Vlaanderen
is wetenschap

Staat van instandhouding (status en trends) van de soorten van de Habitatrictlijn

Deelrapport vissen (rapportageperiode 2013-2018)

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Samenvatting

Elke lidstaat dient om de zes jaar (2013, 2019, 2025...) aan de Europese Commissie (EC) te rapporteren over de staat van instandhouding van de habitattypen en de soorten van de Habitatrichtlijn die per biogeografische regio in hun land voorkomen. Dit document bevat de soortenfiches van de beoordeling van de staat van instandhouding van vissen op niveau Vlaanderen voor de periode 2013-2018. Naast deze detailfiches wordt ook de criteria opgenomen die gebruikt werden om de data te controleren.

English abstract

Each Member State needs to report every 6 years (2013-2019, 2025...) to the European Commission (EC) about the conservation status of habitats and species present in each biogeographical region. This document presents the reporting files for the period 2013-2018 of the fish species present in Flanders (northern Belgium). The criteria used for data controlling are also included.

Inhoudstafel

Dankwoord	4
Samenvatting	5
English abstract.....	5
1 Inleiding	7
2 Data controle	8
2.1 Validatiecriteria.....	8
2.2 Vissen	8
3 Beoordelingsmatrix van de staat van instandhouding van een soort	10
4. Vissen	11
4.1 <i>Rhodeus amarus</i> – Bittervoorn	11
4.2 <i>Misgurnus fossilis</i> – Grote modderkruiper.....	33
4.3 <i>Cobitis taenia</i> – Kleine modderkruiper	55
4.4 <i>Lampetra planeri</i> – Beekprik.....	78
4.5 <i>Lampetra fluviatilis</i> – Rivierprik	101
4.6 <i>Cottus gobio</i> – Rivierdonderpad	122
4.7 <i>Alosa fallax</i> – Fint.....	145
4.8 <i>Barbus barbus</i> – Barbeel	167

1 Inleiding

Elke lidstaat dient om de zes jaar (2013, 2019, 2025, ...) aan de Europese Commissie (EC) te rapporteren over de staat van instandhouding van de habitattypen en de soorten van de Habitatrichtlijn die per biogeografische regio in hun land voorkomen. Hiertoe heeft de Europese Commissie een bundel geschreven met richtlijnen (Reporting guidelines) over elk te rapporteren aspect. Deze documenten zijn te vinden op het officiële referentieportaal van de Europese Commissie (http://cdr.eionet.europa.eu/help/habitats_art17). De richtlijnen en rapportageformulieren zijn op heel wat punten aangepast in vergelijking met de vorige rapportageronde (2007-2013)(zie o.a. De Knijf et al. 2019). Voor het invullen van het onderdeel drukken en bedreigingen (pressures en threats) onder punt 8 in het rapportageformulier, en de lijst van beschermingsmaatregelen (conservation measures) onder 9.5, dient elke lidstaat gebruikt te maken van een door de EC opgestelde vaste lijst waaruit kan geselecteerd worden.

Dit document bevat de ingevulde rapportageformulieren voor Vlaanderen voor vissen. Voor de gehanteerde werkwijze, de lijst van de te rapporteren soorten en de samenvatting van de resultaten verwijzen we naar De Knijf et al. (2019). Naast deze eerder vrij technische fiches, worden voor de besproken groepen ook de criteria besproken die gebruikt werden bij het beoordelen van de verkregen data om die al dan niet te gebruiken bij de rapportage.

Deze rapportageformulieren bevatten de informatie voor gans Vlaanderen. Bij de rapportage naar de EC toe moet de rapportage echter gebeuren per biogeografische regio. Enkel de gemeente Voeren behoort tot de Continentale regio (Cont). Al de rest van Vlaanderen ligt in de Atlantische biogeografische regio (Atl). Waar relevant wordt er een opsplitsing gemaakt tussen Vlaanderen (Flanders Atl & Cont) en Vlaanderen (Atl), omdat beide onderdelen moeten geïntegreerd worden tot 1 rapport per biogeografische regio per lidstaat. Indien er niets ingevuld staat, betekent dit dat de soort in een bepaalde regio niet voorkomt (zie ook De Knijf et al. 2019). In heel wat gevallen is de situatie voor Atlantisch Vlaanderen dezelfde als die voor gans Vlaanderen.

Referentie

De Knijf et al. 2019. Staat van instandhouding (status en trends) van de soorten van de Habitatrichtlijn (rapportageperiode 2013-2018). Rapporten van het Instituut voor Natuur- en Bosonderzoek 2019 (6). Instituut voor Natuur- en Bosonderzoek, Brussel. doi: 10.21436/inbor.15968946.

2 Data controle

2.1 Validatiecriteria

Alle externe data waarover INBO kon beschikken zijn door de betreffende INBO-soortexpert nagekeken om al dan niet te gebruiken in de rapportage. Dit betreft zowel data die bekomen werden van webportaal waarnemingen.be van Natuurpunt als data van andere overheidsinstanties, bv. provinciale visserijcommissies, ANB, Provincies of instanties, zoals LIKONA of Universiteiten. De data die gebruikt werden uit de Meetnetten vallen hierbuiten omdat daar al een interne INBO kwaliteitscontrole op gebeurd is.

De data werden nauwkeurig gecontroleerd en ingedeeld in enerzijds waarnemingen die we op basis van de beschikbare informatie als 'waarschijnlijk' kunnen beschouwen en anderzijds waarnemingen die twijfelachtig zijn. De twijfelachtige waarnemingen werden door de INBO-soortexpert grondig nagekeken en al dan niet weerhouden.

Deze regels werden afgestemd op wat relevant is voor de soort of soortengroep in kwestie.

In het databestand werd elke record voorzien van een veld 'beoordeling', waarbij uiteindelijk een van de volgende 4 categorieën wordt toegekend:

1. voldoet aan de regels
2. niet volgens de regels, nagekeken en toch aanvaard
3. niet volgens de regels, nagekeken en niet aanvaard
4. volgens de regels, toch in detail nagekeken en niet aanvaard

Hierbij werden enkel de data van 1 en 2 in rekening gebracht voor het berekenen van de range, de verspreiding en het aantal hokken voor de populatiegrootte. Een soort kan bv. buiten het gekende areaal voorkomen, maar na nazicht bleek dit correct te zijn, waardoor we met deze waarneming verder wel rekening mee konden houden. Indien een waarneming volgens de INBO beoordeling niet voldoet aan de regels (categorie 2 en 3) of niet aanvaard wordt (categorie 4), dan werd dit kort gemotiveerd in het veld opmerking.

2.2 Vissen

Voor vissen werden de data werden opgedeeld in twee sets, waarop andere criteria gebruikt werden:

- eigen data en data verzameld door experts
- de data van Natuurpunt

Eigen data en data verzameld door experts

Voor de samenstelling van datasets hebben we gebruik gemaakt van zoveel mogelijk beschikbare gegevens:

-gegevens verzameld voor rapport Soortbeschermingsplan beekprik, donderpad en kleine modderkruiper;

-gegevens opgevraagd bij Kristof Vlietinck van ANB van bemonsteringen uitgevoerd door ANB of op vraag van ANB, gegevens van Universiteiten, Provincies, Visserijcommissies tussen 2009-2017, het provinciaal Centrum voor Milieuonderzoek,...(de bron van de gegevens zijn opgenomen in de betreffende verspreidingstabellen);

-gegevens uit de rapporten van visbestandopnames verzameld door LIKONA (2009-2017) (de rapporten zijn beschikbaar op internet, de coördinaten werden op het INBO opgezocht aan de hand van de beschrijving of foto's)

-gegevens verzameld door het team Aquatisch beheer (coördinaten eveneens opgezocht aan de hand van de beschrijvingen);

-exportdata uit de VIS databank (gegevens tussen 2012-2017 werden gebruikt).

Voor deze gegevens kennen we enkel de categorieën 1 of 2 toe.

Al deze gegevens werden verzameld door mensen met ervaring en we mogen redelijkerwijs aannemen dat ze correct zijn.

Categorie 1 wordt toegekend als:

- voor de vangsten: de methode, de vangstaantallen en de unit of effort en de exacte datum is weergegeven;
- voor de meetplaats: de coördinaten waren toegekend of men krijgt voldoende duidelijkheid over de exacte ligging van de meetplaats op basis van een accurate beschrijving.

Categorie 2 wordt toegekend als:

- voor de vangsten: één van de vier bovenstaande elementen ontbreken, twijfelachtig of onduidelijk zijn
- voor de meetplaats: de beschrijving van de meetplaats niet helemaal duidelijk is maar we er kunnen van uitgaan dat de vangstplaats in een range van 1 km zit van de uiteindelijk toegekende coördinaat.
- Indien categorie 2 werd toegekend dan is de reden hiervan vermeld in het veld opmerking.

Uit deze datasets werden enkel de gegevens uit **categorie 1 gebruikt voor verdere verwerking voor bepaling van populaties**. Zowel de data uit **categorie 1 als 2 worden opgenomen voor verspreiding**.

De data beschikbaar gesteld door Natuurpunt

Deze gegevens zullen enkel gebruikt worden voor verspreiding.

Hier zijn de regels om data te weerhouden dan ook licht verschillend.

Categorie 1 wordt toegekend als:

- Een waarneming overeenkomt met gekende verspreiding in Vlaanderen
- de locatie ligt binnen 3 km van gekend verspreidingsgebied van de soort in de beek of rivier

De overige locaties kunnen categorie 2, 3 of 4 toegekend krijgen. In de praktijk werden enkel codes 3 en 4 toegekend

Voor deze datasets worden enkel de gegevens die hier categorie 1 toegewezen gekregen hebben meegenomen in de verspreidingskaarten.

3 Beoordelingsmatrix van de staat van instandhouding van een soort

Parameter	Conservation Status			
	Favourable ('green')	Unfavourable - Inadequate ('amber')	Unfavourable - Bad ('red')	Unknown (<i>insufficient information to make an assessment</i>)
Range (within the biogeographical region concerned)	Stable (loss and expansion in balance) or increasing <u>AND</u> not smaller than the 'favourable reference range'	Any other combination	Large decline: Equivalent to a loss of more than 1% per year within period specified by MS <u>OR</u> more than 10% below favourable reference range	<i>No or insufficient reliable information available</i>
Population	Population(s) not lower than 'favourable reference population' AND reproduction, mortality and age structure not deviating from normal (if data available)	Any other combination	Large decline: Equivalent to a loss of more than 1% per year (indicative value MS may deviate from if duly justified) within period specified by MS <u>AND</u> below 'favourable reference population' <u>OR</u> More than 25% below favourable reference population <u>OR</u> Reproduction, mortality and age structure strongly deviating from normal (if data available)	<i>No or insufficient reliable information available</i>
Habitat for the species	Area of habitat is sufficiently large (and stable or increasing) <u>AND</u> habitat quality is suitable for the long-term survival of the species	Any other combination	Area of habitat is clearly not sufficiently large to ensure the long-term survival of the species <u>OR</u> Habitat quality is bad, clearly not allowing long-term survival of the species	<i>No or insufficient reliable information available</i>
Future prospects (as regards to population, range and habitat availability)	Main pressures and threats to the species not significant; species will remain viable on the long-term	Any other combination	Severe influence of pressures and threats to the species; very bad prospects for its future, long-term viability at risk.	<i>No or insufficient reliable information available</i>
Overall assessment of CS	All 'green' OR three 'green' and one 'unknown'	One or more 'amber' but no 'red'	One or more 'red'	Two or more 'unknown' combined with green or all "unknown"

4. Vissen

4.1 *Rhodeus amarus* – Bittervoorn

NATIONAL LEVEL		
1 General information		
1.1 Member State	<i>Use two-digit code according to list in the Reference portal</i>	BE
1.2 Species code	<i>Select code from species checklist in the Reference portal</i>	5339
1.3 Species scientific name	<i>Select species name from species checklist in the Reference portal</i>	<i>Rhodeus amarus</i>
1.4 Alternative species scientific name <i>Optional</i>	<i>Scientific name used at the national level if different to 1.3</i>	Rhodeus sericeus amarus
1.5 Common name <i>Optional</i>	<i>In national language</i>	Bittervoorn

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	<i>The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive'¹ YES/NO</i>	NO
2.2 Year or period	<i>Year or period when distribution was last determined</i>	2013-2017

¹ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)			
3.1 Is the species taken in the wild/exploited?	<i>Is the species taken in the wild/exploited? YES/NO</i> <i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i> <i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i>		
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO	
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO	
	c) regulation of the periods and/or methods of taking specimens	YES/NO	
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO	
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO	
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO	
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO	
	h) other measures, if yes, describe	YES/NO	
	<i>If 'yes, other measures' have been taken, describe those measures</i> <i>Free text</i>		

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/year 1	Season/year 2	Season/year 3	Season/year 4	Season/year 5	Season/year 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL		
Complete for each biogeographical region or marine region concerned.		
4 Biogeographical and marine regions	Flanders (ATL & CON)	Atlantic Flanders

4.1 Biogeographical or marine region where the species occurs	<p>Choose one of the following:</p> <p>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</p>	ATL	ATL
4.2 Sources of information	<p>For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)</p>	<p>-VIS-database (http://vis.inbo.be)</p> <p>-data-Natuurpunt (https://waarnemingen.be/)</p> <p>Lommaert L., Adriaens, D. & Pollet, M. (eds.) 2018, niet gepubliceerd. Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen. Versie 2.0. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO.R.2015.8193367). Instituut voor Natuur- en Bosonderzoek, Brussel.</p> <p>Steinmann I., Klinger H. & Schütz C. (2006). Kriterien zur Bewertung des Erhaltungszustandes der Populationen des Bitterlings <i>Rhodeus amarus</i> (BLOCH, 1782). In: Schnitter P., Eichen C., Ellwanger G., Neukirchen M. & Schröder E. Empfehlungen für die Erfassung und Bewertung von Arten als Basis für das Monitoring nach Artikel 11 und 17 der FFH-Richtlinie in Deutschland. p. 223-224. Berichte des Landesamtes für Umweltschutz Sachsen-Anhalt (Halle) . Landesamt für Umweltschutz Sachsen-Anhalt in Zusammenarbeit mit dem Bundesamt für Naturschutz, Halle</p>	

5 Range		Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.			
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²	15500	

5.2 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range</i>		2006-2017	2006-2017
5.3 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>Stable</i>	<i>Stable</i>
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
5.5 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>

	c) yes, due to the use of different method	YES/NO		
	d) yes, but there is no information on the nature of change	YES/NO		
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method			
5.12 Additional information Optional	Other relevant information, complementary to the data requested under fields 5.1–5.11 Free text			

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	Year or period when population size was last determined		2013-2017	2013-2017
6.2 Population size (in reporting unit)	a) Unit	Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal	1 x 1 km grids	1 x 1 km grids
	b) Minimum	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)		
	c) Maximum	Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)		
	d) Best single value	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)	205	205
6.3 Type of estimate	Best estimate / multi-year mean / 95% confidence interval / minimum		Best estimate	Best estimate

6.10 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
6.11 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
6.12 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	<i>/</i>
	b) Maximum	<i>Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	<i>/</i>
	c) Confidence interval	<i>Indicate confidence interval if a statistically reliable sampling scheme is used</i>	<i>/</i>	<i>/</i>
6.14 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>/</i>	<i>/</i>

6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size (with unit) or		≥ 0.25 ind./m ² (in bitterling habitat area) Of ≥ 400 ind./ha (if fished area not suitable for bitterlings is also counted)	
	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		≈	≈
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text		literature	literature
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		YES	YES
	a) yes, due to genuine change	YES/NO	YES	YES
	b) yes, due to improved knowledge/more accurate data	YES/NO	NO	NO
	c) yes, due to the use of different method	YES/NO	YES	YES
	d) yes, but there is no information on the nature of change	YES/NO	NO	NO
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method		Genuine change	Genuine change

7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	b)	b)	
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017	
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	stable	stable	
7.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)	
7.6 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)	/	/	
7.7 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown	/	/	

7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/	
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>			

8 Main pressures and threats			Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats					
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>				
	Pressu re	Threat	Pressure	Threat	

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: A26Agricultural activities generating diffuse pollution to surface or ground waters</p> <p>M: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>M: F01Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>M: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>M: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>M: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M:K05 Physical alteration of water bodies</p> <p>M: I01 Invasive alien species of Union concern</p> <p>M: I02 Other invasive alien species (other then species of Union concern)</p>	<p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: A26Agricultural activities generating diffuse pollution to surface or ground waters</p> <p>M: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>M: F01Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>M: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>M: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>M: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M:K05 Physical alteration of water bodies</p> <p>M: I01 Invasive alien species of Union concern</p> <p>M: I02 Other invasive alien species (other then species of Union concern)</p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1</i> <i>Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>		YES <i>b</i>

9.2 Main purpose of the measures taken	<p><i>Indicate the main purpose of measures taken:</i></p> <p><i>a) Maintain the current range, population and/or habitat for the species or</i></p> <p><i>b) Expand the current range of the species (related to 'Range') or</i></p> <p><i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i></p> <p><i>d) Restore the habitat of the species (related to 'Habitat for the species')</i></p>		<i>a</i>
9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i></p> <p><i>b) Both inside and outside Natura 2000 or</i></p> <p><i>c) Only outside Natura 2000</i></p>		<i>b</i>
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i></p> <p><i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i></p> <p><i>c) Long-term results (after 2030)</i></p>		<i>b</i>

9.5 List of main conservation measures	<i>List a maximum of 10 measures using code list provided in the Reference portal</i>		<i>CL01: Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes</i> <i>CS03: Improvement of habitat of species from the directives</i> <i>CJ03: Restore habitats impacted by multi-purpose hydrological changes</i> <i>CJ04: Other measures related to mixed source pollution and multi-purpose human-induced changes in hydraulic conditions</i> <i>CN02: Implement climate change adaptation measures</i>
9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>		

10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	<i>Good / Poor / Bad / Unknown</i>	<i>Good</i>	<i>Good</i>
	b) Population	<i>Good / Poor / Bad / Unknown</i>	<i>Good</i>	<i>Good</i>
	c) Habitat of the species	<i>Good / Poor / Bad / Unknown</i>	<i>Good</i>	<i>Good</i>
10.2 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 10.1</i> <i>Free text</i>			

11 Conclusions			Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period				
11.1 Range	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>FV</i>	<i>FV</i>
11.2 Population	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>FV</i>	<i>FV</i>
11.3 Habitat for the species	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>FV</i>	<i>FV</i>
11.4 Future prospects	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>FV</i>	<i>FV</i>
11.5 Overall assessment of Conservation Status	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>FV</i>	<i>FV</i>
11.6 Overall trend in Conservation Status	<i>Indicate the trend (qualifier) for FV, U1 and U2:</i> <i>improving / deteriorating / stable / unknown</i>		<i>improving</i>	<i>improving</i>
11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>			
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)	
	<i>a) no, there is no difference</i>	<i>YES/NO</i>	<i>YES/NO</i>	<i>No – NO</i>
	<i>b) yes, due to genuine change</i>	<i>YES/NO</i>	<i>YES/NO</i>	
	<i>c) yes, due to improved knowledge/more accurate data</i>	<i>YES/NO</i>	<i>YES/NO</i>	
	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	<i>YES/NO</i>	<i>YES/NO</i>	

	<i>e) yes, but there is no information on the nature of change</i>	<i>YES/NO</i>	<i>YES/NO</i>		
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>		
11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>				

12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1 x 1 km grids	1 x 1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	77	77
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>stable</i>	<i>stable</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.2 *Misgurnus fossilis* – Grote modderkruiper

NATIONAL LEVEL		
1 General information		
1.1 Member State	Use two-digit code according to list in the Reference portal	BE
1.2 Species code	Select code from species checklist in the Reference portal	1145
1.3 Species scientific name	Select species name from species checklist in the Reference portal	Misgurnus fossilis
1.4 Alternative species scientific name <i>Optional</i>	Scientific name used at the national level if different to 1.3	Misgurnus fossilis
1.5 Common name <i>Optional</i>	In national language	Grote modderkruiper

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive' ² YES/NO	NO
2.2 Year or period	Year or period when distribution was last determined	2013-2018

² See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)		
3.1 Is the species taken in the wild/exploited?	<p><i>Is the species taken in the wild/exploited? YES/NO</i></p> <p><i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i></p> <p><i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i></p>	NO
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO
	c) regulation of the periods and/or methods of taking specimens	YES/NO
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO
	h) other measures, if yes, describe	YES/NO
	<p><i>If 'yes, other measures' have been taken, describe those measures</i></p> <p><i>Free text</i></p>	

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/year 1	Season/year 2	Season/year 3	Season/year 4	Season/year 5	Season/year 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information Optional	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	<p>Choose one of the following:</p> <p>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</p>	ATL	ATL
4.2 Sources of information	<p>For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)</p>	<p>- VIS-database (http://vis.inbo.be)</p> <p>- data-Natuurpunt (https://waarnemingen.be/)</p> <p>Lommaert L., Adriaens, D. & Pollet, M. (eds.) 2018, niet gepubliceerd. Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen. Versie 2.0. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO.R.2015.8193367). Instituut voor Natuur- en Bosonderzoek, Brussel.</p> <p>Steinmann I., Klinger H., Schütz C. & Arzbach H.-H. (2006). Kriterien zur Bewertung des Erhaltungszustandes der Populationen des Schlammpeitzgers <i>Misgurnus fossilis</i> (LINNAEUS, 1758). In: Schnitter P., Eichen C., Ellwanger G., Neukirchen M. & Schröder E. Empfehlungen für die Erfassung und Bewertung von Arten als Basis für das Monitoring nach Artikel 11 und 17 der FFH-Richtlinie in Deutschland. p. 220-220. Berichte des Landesamtes für Umweltschutz Sachsen-Anhalt (Halle) . Landesamt für Umweltschutz Sachsen-Anhalt in Zusammenarbeit mit dem Bundesamt für Naturschutz, Halle (Saale).</p>	

5 Range			Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.				
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²		500	
5.2 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range		2006-2018	2006-2018
5.3 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown		unknown	
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum		
	b) Maximum	Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum		
5.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		a)	a)
5.6 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)		/	/

5.7 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown		/	/
5.8 Long-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum	/	/
	b) Maximum	Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum	/	/
5.9 Long-term trend Method used <i>Optional</i>	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		/	/
5.10 Favourable reference range	a) In km ² or			
	b) Indicate if operators were used (use these symbols ≈, >, >>) or		>>	>>
	c) If favourable reference range is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
5.11 Change and reason for change in surface area of range	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		NO	NO
	a) yes, due to genuine change		YES/NO	

	<i>b) yes, due to improved knowledge/more accurate data</i>	YES/NO		
	<i>c) yes, due to the use of different method</i>	YES/NO		
	<i>d) yes, but there is no information on the nature of change</i>	YES/NO		
	<i>The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method</i>			
5.12 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 5.1–5.11</i> <i>Free text</i>	<i>Short term trend in range is considered unknown because the species is hard to detect</i>		

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	<i>Year or period when population size was last determined</i>		<i>2013-2018</i>	<i>2013-2018</i>
6.2 Population size <i>(in reporting unit)</i>	a) Unit	<i>Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal</i>	<i>1 x 1 km grids</i>	<i>1 x 1 km grids</i>
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>3</i>	<i>3</i>
6.3 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>

6.10 Short-term trend Method used	Select one of the following methods: <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
6.11 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	
6.12 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	
	b) Maximum	<i>Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	
	c) Confidence interval	<i>Indicate confidence interval if a statistically reliable sampling scheme is used</i>	<i>/</i>	
6.14 Long-term trend Method used <i>Optional</i>	Select one of the following methods: <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>			
6.15 Favourable reference	<i>a) Population size (with unit) or</i>			

population <i>(using the unit in 6.2 or 6.4)</i>	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		>>	>>
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		NO	NO
	a) yes, due to genuine change	YES/NO		
	b) yes, due to improved knowledge/more accurate data	YES/NO		
	c) yes, due to the use of different method	YES/NO		
	d) yes, but there is no information on the nature of change	YES/NO		
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method			
6.17 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 6.1–6.16 Free text			

7 Habitat for the species		Flanders (ATL & CON)	Atlantic Flanders
7.1 Sufficiency of area and quality of occupied habitat	<p>a) Are area and quality of <u>occupied</u> habitat sufficient (for long-term survival)? YES/NO/Unknown</p> <p>b) If NO, is there a sufficiently large area of <u>unoccupied</u> habitat of suitable quality (for long-term survival)? YES/NO/Unknown</p>	<p>NO</p> <p>NO</p>	<p>NO</p> <p>NO</p>
7.2 Sufficiency of area and quality of occupied habitat Method used	<p>Select one of the following methods:</p> <p>a) Complete survey or a statistically robust estimate</p> <p>b) Based mainly on extrapolation from a limited amount of data</p> <p>c) Based mainly on expert opinion with very limited data</p> <p>d) Insufficient or no data available</p>	c)	c)
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	stable	stable
7.5 Short-term trend Method used	<p>Select one of the following methods:</p> <p>a) Complete survey or a statistically robust estimate</p> <p>b) Based mainly on extrapolation from a limited amount of data</p> <p>c) Based mainly on expert opinion with very limited data</p> <p>d) Insufficient or no data available</p>	c)	c)
7.6 Long-term trend Period Optional	A trend calculated over 24 years (1994–2018)	/	/

7.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>	/	/
7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>	/	

8 Main pressures and threats		Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats				
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>			
	<div>Pressure</div> <div>Threat</div>	<div>Pressure</div> <div>Threat</div>		

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>H: N02 Droughts and decreases in precipitation due to climate change</p> <p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: K05 Physical alteration of water bodies</p>	<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: K05 Physical alteration of water bodies</p> <p>M: I02 Other invasive alien species (other than species of Union concern)</p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1</i> <i>Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>		YES <i>b</i>
9.2 Main purpose of the measures taken	<i>Indicate the main purpose of measures taken:</i> <i>a) Maintain the current range, population and/or habitat for the species or</i> <i>b) Expand the current range of the species (related to 'Range') or</i> <i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i> <i>d) Restore the habitat of the species (related to 'Habitat for the species')</i>		<i>b) Expand the current range of the species (related to 'Range')</i>

9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i> <i>b) Both inside and outside Natura 2000 or</i> <i>c) Only outside Natura 2000</i></p>		<p><i>b) Both inside and outside Natura 2000</i></p>
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i> <i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i> <i>c) Long-term results (after 2030)</i></p>		<p><i>c) Long-term results (after 2030)</i></p>

9.5 List of main conservation measures	<i>List a maximum of 10 measures using code list provided in the Reference portal</i>		<i>CA11 : Reduce diffuse pollution to surface or ground waters from agricultural activities</i> <i>CS03 : Improvement of habitat of species from the directives</i> <i>CE01 : Reduce impact of transport operation and infrastructure</i> <i>CS02 : Reintroduce species from the directives</i> <i>CA07 : Recreate Annex I agricultural habitats</i> <i>CL01: Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes</i> <i>CF02: Habitat restoration of areas impacted by residential, commercial, industrial and recreational infrastructure, operations and activities</i>
9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>		

10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	Good / Poor / Bad / Unknown	Bad	Bad
	b) Population	Good / Poor / Bad / Unknown	Bad	Bad
	c) Habitat of the species	Good / Poor / Bad / Unknown	Bad	Bad
10.2 Additional information Optional	Other relevant information, complementary to the data requested under field 10.1 Free text			

11 Conclusions		Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period			
11.1 Range	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.2 Population	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.3 Habitat for the species	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.4 Future prospects	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.5 Overall assessment of Conservation Status	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.6 Overall trend in Conservation Status	Indicate the trend (qualifier) for FV, U1 and U2: improving / deteriorating / stable / unknown	unknown	unknown

11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>				
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)		
	<i>a) no, there is no difference</i>	YES/NO	YES/NO	NO - YES	NO - YES
	<i>b) yes, due to genuine change</i>	YES/NO	YES/NO	Yes	
	<i>c) yes, due to improved knowledge/more accurate data</i>	YES/NO	YES/NO	NO	
	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	YES/NO	YES/NO	NO	
	<i>e) yes, but there is no information on the nature of change</i>	YES/NO	YES/NO	NO	
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Genuine change</i>	

<p>11.8 Additional information</p> <p><i>Optional</i></p>	<p><i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i></p> <p><i>Free text</i></p>	<p><i>11.2 Actual range is far below what is needed for long term persistence of the species</i></p> <p><i>11.3 Both the actual habitat area and quality are far below what is needed for long term persistence of the species</i></p> <p><i>11.4 Reference values neither for range, nor for population, nor for habitat area/quality are expected to be met within the next 12 years because future trends tend to be either stable or even further decreasing. All this is mainly due to the scarce occurrence of places with habitat that is suitable for survival and reproduction. Natural processes like recurrent flooding and accumulation of sediments are increasingly impeded or counteracted by anthropogenic interventions.</i></p> <p><i>11.6 & 11.7 As the species has decreased so much last decennia, it seems that we now have reached the 'bottom', hence the decline has stopped (11.6) and there is a change in trend from negative to stable (11.7).</i></p>
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12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1 x 1 km grids	1 x 1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	1	1
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>stable</i>	<i>stable</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.3 *Cobitis taenia*– Kleine modderkruiper

NATIONAL LEVEL		
1 General information		
1.1 Member State	<i>Use two-digit code according to list in the Reference portal</i>	BE
1.2 Species code	<i>Select code from species checklist in the Reference portal</i>	6963
1.3 Species scientific name	<i>Select species name from species checklist in the Reference portal</i>	Cobitis taenia Complex
1.4 Alternative species scientific name <i>Optional</i>	<i>Scientific name used at the national level if different to 1.3</i>	Cobitis taenia
1.5 Common name <i>Optional</i>	<i>In national language</i>	Kleine modderkruiper

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	<i>The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive'³ YES/NO</i>	NO
2.2 Year or period	<i>Year or period when distribution was last determined</i>	2012-2017

³ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)			
3.1 Is the species taken in the wild/exploited?	<i>Is the species taken in the wild/exploited? YES/NO</i> <i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i> <i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i>		
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO	
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO	
	c) regulation of the periods and/or methods of taking specimens	YES/NO	
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO	
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO	
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO	
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO	
	h) other measures, if yes, describe	YES/NO	
	<i>If 'yes, other measures' have been taken, describe those measures</i> <i>Free text</i>		

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/year 1	Season/year 2	Season/year 3	Season/year 4	Season/year 5	Season/year 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information Optional	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	<p>Choose one of the following:</p> <p>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</p>	ATL	ATL

4.2 Sources of information	<p>For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)</p>	<p>-VIS-database (http://vis.inbo.be)</p> <p>- data-Natuurpunt (https://waarnemingen.be/)</p> <p>De Meyer, E., Vlietinck, K. en Menschaert, J., 2017 Agentschap voor natuur en Bos. Soortenbeschermingsprogramma voor beekprik (<i>Lampetra planeri</i>), rivierdonderpad (<i>Cottus gobio</i>) en kleine modderkruiper (<i>Cobitis taenia</i>) voor de periode 2018-2022.</p> <p>Steinmann I., Klinger H. & Schütz C. (2006). Kriterien zur Bewertung des Erhaltungszustandes der Populationen des Steinbeißers <i>Cobitis taenia</i> (LINNAEUS, 1758). In: Schnitter P., Eichen C., Ellwanger G., Neukirchen M. & Schröder E. Empfehlungen für die Erfassung und Bewertung von Arten als Basis für das Monitoring nach Artikel 11 und 17 der FFH-Richtlinie in Deutschland. p. 206-206. Berichte des Landesamtes für Umweltschutz Sachsen-Anhalt (Halle) . Landesamt für Umweltschutz Sachsen-Anhalt in Zusammenarbeit mit dem Bundesamt für Naturschutz, Halle (Saale).</p> <p>Lommaert L., Adriaens, D. & Pollet, M. (eds.) 2018, niet gepubliceerd. Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen. Versie 2.0. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO.R.2015.8193367). Instituut voor Natuur- en Bosonderzoek, Brussel.</p>
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5 Range		Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.			
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²	10000	
5.2 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range	2006-2017	2006-2017

5.3 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>Increasing</i>
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
5.5 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	
5.8 Long-term trend Magnitude	a) Minimum	<i>Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	

Optional	b) Maximum	Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum		/	
5.9 Long-term trend Method used	Optional	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		/	
5.10 Favourable reference range	a) In km ² or				
	b) Indicate if operators were used (use these symbols ≈, >, >>) or	≈		≈	
	c) If favourable reference range is unknown indicate by using 'x'				
	d) Indicate method used to set reference value if other than operators Free text				
5.11 Change and reason for change in surface area of range	Is there a change between reporting periods? YES/NO	YES			
	If yes, provide the nature of that change. More than one option (a to d) can be chosen.				
	a) yes, due to genuine change	YES/NO	YES		
	b) yes, due to improved knowledge/more accurate data	YES/NO	NO		
	c) yes, due to the use of different method	YES/NO	NO		
	d) yes, but there is no information on the nature of change	YES/NO	NO		

	<i>The change is mainly due to (select one of the reasons above):</i> <i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Genuine change</i>	
5.12 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 5.1–5.11</i> <i>Free text</i>		

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	<i>Year or period when population size was last determined</i>		<i>2012-2017</i>	<i>2012-2017</i>
6.2 Population size <i>(in reporting unit)</i>	a) Unit	<i>Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal</i>	<i>1X1 km grids</i>	<i>1X1 km grids</i>
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>94</i>	<i>94</i>
6.3 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.4 Additional population size	a) Unit	<i>Use unit according to list in the Reference portal</i>	<i>Individuals/ha</i>	<i>Individuals/ha</i>

<i>(using population unit other than reporting unit)</i> <i>Optional</i>	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	40	40
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	12 091	12 091
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
6.5 Type of estimate <i>Optional</i>	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.6 Population size Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
6.7 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of population</i>		<i>2006-2017</i>	<i>2006-2017</i>
6.8 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>increasing</i>
6.9 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	29%	29%
	b) Maximum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	69%	69%
	c) Confidence interval	<i>Indicate confidence interval if a statistically reliable sampling scheme is used</i>		

6.10 Short-term trend Method used	Select one of the following methods: <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
6.11 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)		/	/
6.12 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown		/	/
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum	/	/
	b) Maximum	Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum	/	/
	c) Confidence interval	Indicate confidence interval if a statistically reliable sampling scheme is used	/	/
6.14 Long-term trend Method used <i>Optional</i>	Select one of the following methods: <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		/	/
6.15 Favourable reference	<i>a) Population size (with unit) or</i>		≥ 350 ind./ha	

population <i>(using the unit in 6.2 or 6.4)</i>	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		>	>
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text		literature	literature
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		yes	Yes
	a) yes, due to genuine change	YES/NO	yes	Yes
	b) yes, due to improved knowledge/more accurate data	YES/NO	Yes	Yes
	c) yes, due to the use of different method	YES/NO	Yes	Yes
	d) yes, but there is no information on the nature of change	YES/NO	No	No
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method		Genuine change	Genuine change
6.17 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 6.1–6.16 Free text			

7 Habitat for the species		Flanders (ATL & CON)	Atlantic Flanders
7.1 Sufficiency of area and quality of occupied habitat	a) Are area and quality of <u>occupied</u> habitat sufficient (for long-term survival)? YES/NO/Unknown	NO	NO
	b) If NO, is there a sufficiently large area of <u>unoccupied</u> habitat of suitable quality (for long-term survival)? YES/NO/Unknown	NO	NO
7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	increasing	increasing
7.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)
7.6 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)	/	/

7.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>	/	/
7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>		

8 Main pressures and threats		Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats				
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>			
	<div>Pressu re</div> <div>Threat</div>	Pressure	Threat	

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</p> <p>M: K05 Physical alteration of water bodies</p> <p>M: I02 Other invasive alien species (other than species of Union concern)</p>	<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</p> <p>M: K05 Physical alteration of water bodies</p> <p>M: I02 Other invasive alien species (other than species of Union concern)</p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1 Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>		YES <i>b</i>

9.2 Main purpose of the measures taken	<p><i>Indicate the main purpose of measures taken:</i></p> <p><i>a) Maintain the current range, population and/or habitat for the species or</i></p> <p><i>b) Expand the current range of the species (related to 'Range') or</i></p> <p><i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i></p> <p><i>d) Restore the habitat of the species (related to 'Habitat for the species')</i></p>		<i>b</i>
9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i></p> <p><i>b) Both inside and outside Natura 2000 or</i></p> <p><i>c) Only outside Natura 2000</i></p>		<i>b</i>
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i></p> <p><i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i></p> <p><i>c) Long-term results (after 2030)</i></p>		<i>a</i>

9.5 List of main conservation measures	<i>List a maximum of 10 measures using code list provided in the Reference portal</i>		<i>CF05: Reduce/eliminate diffuse pollution to surface or ground waters from industrial, commercial, residential and recreational areas and activities</i> <i>CS03: Improvement of habitat of species from the directives</i> <i>CL01: Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes</i> <i>CN02: Implement climate change adaptation measures</i>
9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>		

10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	<i>Good / Poor / Bad / Unknown</i>	<i>Good</i>	<i>Good</i>
	b) Population	<i>Good / Poor / Bad / Unknown</i>	<i>Poor</i>	<i>Poor</i>
	c) Habitat of the species	<i>Good / Poor / Bad / Unknown</i>	<i>Poor</i>	<i>Poor</i>
10.2 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 10.1</i> <i>Free text</i>			

11 Conclusions			Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period				
11.1 Range	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>FV</i>	<i>FV</i>
11.2 Population	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>U1</i>	<i>U1</i>
11.3 Habitat for the species	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>U1</i>	<i>U1</i>
11.4 Future prospects	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>U1</i>	<i>U1</i>
11.5 Overall assessment of Conservation Status	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>		<i>U1</i>	<i>U1</i>
11.6 Overall trend in Conservation Status	<i>Indicate the trend (qualifier) for FV, U1 and U2:</i> <i>improving / deteriorating / stable / unknown</i>		<i>improving</i>	<i>improving</i>
11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>			
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)	
	<i>a) no, there is no difference</i>	<i>YES/NO</i>	<i>YES/NO</i>	<i>NO/NO</i>
	<i>b) yes, due to genuine change</i>	<i>YES/NO</i>	<i>YES/NO</i>	
	<i>c) yes, due to improved knowledge/more accurate data</i>	<i>YES/NO</i>	<i>YES/NO</i>	
	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	<i>YES/NO</i>	<i>YES/NO</i>	

	<i>e) yes, but there is no information on the nature of change</i>	<i>YES/NO</i>	<i>YES/NO</i>		
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>		
11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>				

12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1X1 km grids	1X1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	34	34
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>increasing</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.4 *Lampetra planeri* – Beekprik

NATIONAL LEVEL		
1 General information		
1.1 Member State	Use two-digit code according to list in the Reference portal	BE
1.2 Species code	Select code from species checklist in the Reference portal	1096
1.3 Species scientific name	Select species name from species checklist in the Reference portal	<i>Lampetra planeri</i>
1.4 Alternative species scientific name Optional	Scientific name used at the national level if different to 1.3	
1.5 Common name Optional	In national language	Beekprik

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive' ⁴ YES/NO	No
2.2 Year or period	Year or period when distribution was last determined	2013-2017
2.3 Distribution map	Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210	

⁴ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.4 Distribution map Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)		
3.1 Is the species taken in the wild/exploited?	<p><i>Is the species taken in the wild/exploited? YES/NO</i></p> <p><i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i></p> <p><i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i></p>	NO
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO
	c) regulation of the periods and/or methods of taking specimens	YES/NO
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO
	h) other measures, if yes, describe	YES/NO
	<p><i>If 'yes, other measures' have been taken, describe those measures</i></p> <p><i>Free text</i></p>	

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>						
	b) Statistics/ quantity taken	<i>Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period</i>						
		<i>Season/year 1</i>	<i>Season/year 2</i>	<i>Season/year 3</i>	<i>Season/year 4</i>	<i>Season/year 5</i>	<i>Season/year 6</i>	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>							
3.5 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 3.1–3.4</i> <i>Free text</i>							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	<p>Choose one of the following:</p> <p>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</p>	ATL+CONT	ATL
4.2 Sources of information	<p>For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)</p>	<p>VIS-database (http://vis.inbo.be)</p> <p>-data-Natuurpunt (https://waarnemingen.be/)</p> <p>-De Meyer, E., Vlietinck, K. en Menschaert, J., 2017 Agentschap voor natuur en Bos. Soortenbeschermingsprogramma voor beekprik (<i>Lampetra planeri</i>), rivierdonderpad (<i>Cottus gobio</i>) en kleine modderkruiper (<i>Cobitis taenia</i>) voor de periode 2018-2022.</p> <p>- Lommaert L., Adriaens, D. & Pollet, M. (eds.) 2018, niet gepubliceerd. Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen. Versie 2.0. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO.R.2015.8193367). Instituut voor Natuur- en Bosonderzoek, Brussel.</p>	

5 Range		Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.			
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²	6900	

5.2 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range</i>		<i>2006-2017</i>	<i>2006-2017</i>
5.3 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
5.5 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	

	<i>b) yes, due to improved knowledge/more accurate data</i>	<i>YES/NO</i>	<i>NO</i>	
	<i>c) yes, due to the use of different method</i>	<i>YES/NO</i>	<i>NO</i>	
	<i>d) yes, but there is no information on the nature of change</i>	<i>YES/NO</i>	<i>NO</i>	
	<i>The change is mainly due to (select one of the reasons above):</i> <i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Genuine change</i>		
5.12 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 5.1–5.11</i> <i>Free text</i>			

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	<i>Year or period when population size was last determined</i>		<i>2013-2017</i>	<i>2013-2017</i>
6.2 Population size <i>(in reporting unit)</i>	a) Unit	<i>Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal</i>	<i>1 x 1 km grids</i>	<i>1 x 1 km grids</i>
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>50</i>	<i>49</i>

6.3 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.4 Additional population size <i>(using population unit other than reporting unit)</i> <i>Optional</i>	a) Unit	<i>Use unit according to list in the Reference portal</i>	<i>Ind/ha</i>	<i>Ind/ha</i>
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>20</i>	<i>20</i>
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>82 857</i>	<i>82 857</i>
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
6.5 Type of estimate <i>Optional</i>	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.6 Population size Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
6.7 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of population</i>		<i>2006-2013</i>	<i>2006-2013</i>
6.8 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>stable</i>	<i>stable</i>
6.9 Short-term trend Magnitude	a) Minimum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>		

<i>Optional</i>	c) Confidence interval	Indicate confidence interval if a statistically reliable sampling scheme is used		
6.10 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		b)	b)
6.11 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)		/	/
6.12 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown		/	/
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	/	/	
	b) Maximum	/	/	
	c) Confidence interval	/	/	
6.14 Long-term trend Method used <i>Optional</i>	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		/	/

6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size (with unit) or		≥ 50 ind./ha (adults and juveniles) in fished trajects	≥ 50 ind./ha (adults and juveniles) in fished trajects
	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		>	>
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		YES	YES
	a) yes, due to genuine change	YES/NO	NO	NO
	b) yes, due to improved knowledge/more accurate data	YES/NO	YES	YES
	c) yes, due to the use of different method	YES/NO	YES	YES
	d) yes, but there is no information on the nature of change	YES/NO	NO	NO
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method		Improved knowledge through more accurate data	Improved knowledge through more accurate data

7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	increasing	increasing
7.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)
7.6 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)	/	/
7.7 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown	/	/

7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>	<i>7.1 Area is sufficient but quality and migration barriers are the limiting factor</i> <i>7.4 More and more habitat becomes available for the species since water quality in general is increasing and migration barriers are gradually removed. However, the overall habitat quality still remains insufficient to allow sustainable populations.</i>	

8 Main pressures and threats			Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats					
a) Pressure/threat	b) Ranking of pressure/threat Indicate whether the pressure/threat is of: H = high importance (maximum of 5 entries for pressures and 5 for threats) M = medium importance				
	Pressu re	Threat	Pressure	Threat	

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p><i>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</i></p> <p><i>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</i></p> <p><i>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</i></p> <p><i>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</i></p> <p><i>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</i></p> <p><i>H:K05 Physical alteration of water bodies</i></p> <p><i>M: A25 Agricultural activities generating point source pollution to surface or ground waters</i></p> <p><i>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</i></p> <p><i>M: I01 Invasive alien species of Union concern</i></p>	<p><i>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</i></p> <p><i>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</i></p> <p><i>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</i></p> <p><i>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</i></p> <p><i>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</i></p> <p><i>H:K05 Physical alteration of water bodies</i></p> <p><i>M: A25 Agricultural activities generating point source pollution to surface or ground waters</i></p> <p><i>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</i></p> <p><i>M: I01 Invasive alien species of Union concern</i></p>	<p><i>As for Flanders</i></p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1 Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>	YES <i>b</i>	YES <i>B</i>

9.2 Main purpose of the measures taken	<p><i>Indicate the main purpose of measures taken:</i></p> <p><i>a) Maintain the current range, population and/or habitat for the species or</i></p> <p><i>b) Expand the current range of the species (related to 'Range') or</i></p> <p><i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i></p> <p><i>d) Restore the habitat of the species (related to 'Habitat for the species')</i></p>	<i>b)</i>	<i>b)</i>
9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i></p> <p><i>b) Both inside and outside Natura 2000 or</i></p> <p><i>c) Only outside Natura 2000</i></p>	<i>b</i>	<i>B</i>
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i></p> <p><i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i></p> <p><i>c) Long-term results (after 2030)</i></p>	<i>b</i>	<i>B</i>

9.5 List of main conservation measures	<p><i>List a maximum of 10 measures using code list provided in the Reference portal</i></p>	<p><i>CF04 : Reduce/eliminate point source pollution to surface or ground waters from industrial, commercial, residential and recreational areas and activities</i></p> <p><i>CS03 : Improvement of habitat of species from the directives</i></p> <p><i>CE01 : Reduce impact of transport operation and infrastructure</i></p> <p><i>CJ02 : Reduce impact of multi-purpose hydrological changes</i></p> <p><i>CS02 : Reintroduce species from the directives</i></p> <p><i>CJ02 : Reduce impact of multi-purpose hydrological changes</i></p> <p><i>CF02: Habitat restoration of areas impacted by residential, commercial, industrial and recreational infrastructure, operations and activities</i></p> <p><i>CL01: Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes</i></p>	<p><i>CF04 : Reduce/eliminate point source pollution to surface or ground waters from industrial, commercial, residential and recreational areas and activities</i></p> <p><i>CS03 : Improvement of habitat of species from the directives</i></p> <p><i>CE01 : Reduce impact of transport operation and infrastructure</i></p> <p><i>CJ02 : Reduce impact of multi-purpose hydrological changes</i></p> <p><i>CS02 : Reintroduce species from the directives</i></p> <p><i>CJ02 : Reduce impact of multi-purpose hydrological changes</i></p> <p><i>CF02: Habitat restoration of areas impacted by residential, commercial, industrial and recreational infrastructure, operations and activities</i></p> <p><i>CL01: Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes</i></p>
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9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>	<p>9.2 See SBP(-De Meyer, E., Vlietinck, K. en Menschaert, J., 2017 Agentschap voor natuur en Bos. Soortenbeschermingsprogramma voor beekprik (<i>Lampetra planeri</i>), rivierdonderpad (<i>Cottus gobio</i>) en kleine modderkruiper (<i>Cobitis taenia</i>) voor de periode 2018-2022.</p> <p>De focus van de acties die voorgesteld worden in dit SBP ligt op de verdere verbetering van de waterkwaliteit, structuurherstel van waterlopen, een aangepast waterloopbeheer en het verbinden van geïsoleerde populaties door het oplossen van vismigratieknelpunten. Al deze acties zijn te beschouwen als verdere concretisering van acties die reeds voorzien zijn in de stroomgebiedbeheerplannen in uitvoering van de Europese kaderrichtlijn Water. Verder is er ook aandacht voor herintroductie (omwille van de beperkte dispersiecapaciteit van deze soorten) en voor het beheer van invasieve exoten die een bedreiging kunnen vormen voor deze vissoorten. Ten slotte is het noodzakelijk om de verspreiding van de soorten zowel op Vlaams niveau als gebiedsgericht afdoende te monitoren, zodat acties en maatregelen gericht kunnen worden ingezet en geëvalueerd.</p>
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10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders	Atlantic BE (if responsible)
10.1 Future prospects of parameters	a) Range	Good / Poor / Bad / Unknown	Good	Good	
	b) Population	Good / Poor / Bad / Unknown	Poor	Poor	
	c) Habitat of the species	Good / Poor / Bad / Unknown	Poor	Poor	
10.2 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 10.1</i> <i>Free text</i>				

11 Conclusions				Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period					
11.1 Range	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>FV</i>	<i>FV</i>
11.2 Population	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U1</i>	<i>U1</i>
11.3 Habitat for the species	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U2</i>	<i>U2</i>
11.4 Future prospects	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U1</i>	<i>U1</i>
11.5 Overall assessment of Conservation Status	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U2</i>	<i>U2</i>
11.6 Overall trend in Conservation Status	<i>Indicate the trend (qualifier) for FV, U1 and U2:</i> <i>improving / deteriorating / stable / unknown</i>			<i>improving</i>	<i>improving</i>
11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>				
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)		
	<i>a) no, there is no difference</i>	YES/NO	YES/NO	NO/yes	NO/yes
	<i>b) yes, due to genuine change</i>	YES/NO	YES/NO	NO	NO
	<i>c) yes, due to improved knowledge/more accurate data</i>	YES/NO	YES/NO	YES	YES

	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	YES/NO	YES/NO	YES	YES
	<i>e) yes, but there is no information on the nature of change</i>	YES/NO	YES/NO	NO	NO
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Improved knowledge through more accurate data</i>	<i>Improved knowledge through more accurate data</i>
11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>			<i>11.1 The range has remained stable and is about equal to the reference range.</i> <i>11.2 Additional Population size estimates in ind/ha based on a set of 29 sites selected for species (all in Atlantic Flanders) shows that for 96% of these sites the Favourable reference population is reached. Therefore we score U1. (in 2013 we scored U2 because we didn't have that kind of information).</i> <i>11.3 The area of habitat that is occupied by the species is too low and habitat quality is insufficient to allow sustainable populations.</i> <i>11.4 Future prospects can be considered as U1 since slight increase in water quality conditions and efforts to improve river connectivity in recent years.</i>	

12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1 x 1 km grids	1 x 1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	40	40
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>stable</i>	<i>stable</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.5 *Lampetra fluviatilis* – Rivierprik

NATIONAL LEVEL		
1 General information		
1.1 Member State	<i>Use two-digit code according to list in the Reference portal</i>	BE
1.2 Species code	<i>Select code from species checklist in the Reference portal</i>	1099
1.3 Species scientific name	<i>Select species name from species checklist in the Reference portal</i>	<i>Lampetra fluviatilis</i>
1.4 Alternative species scientific name <i>Optional</i>	<i>Scientific name used at the national level if different to 1.3</i>	
1.5 Common name <i>Optional</i>	<i>In national language</i>	Rivierprik

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	<i>The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive'⁵ YES/NO</i>	No
2.2 Year or period	<i>Year or period when distribution was last determined</i>	2010-2017

⁵ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)		
3.1 Is the species taken in the wild/exploited?	<p><i>Is the species taken in the wild/exploited? YES/NO</i></p> <p><i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i></p> <p><i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i></p>	NO
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO
	c) regulation of the periods and/or methods of taking specimens	YES/NO
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO
	h) other measures, if yes, describe	YES/NO
	<p><i>If 'yes, other measures' have been taken, describe those measures</i></p> <p><i>Free text</i></p>	

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/year 1	Season/year 2	Season/year 3	Season/year 4	Season/year 5	Season/year 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information Optional	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	Choose one of the following: <i>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</i>	ATL	ATL
4.2 Sources of information	For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)	Vis Informatiesysteem https://vis.inbo.be Data-Natuurpunt (https://waarnemingen.be/) <i>Stevens, M.; Van den Neucker, T.; Mouton, A.; Buysse, D.; Martens, S.; Baeyens, R.; Jacobs, Y.; Gelaude, E.; Coeck, J. (2009). Onderzoek naar de trekvissoorten in het stroomgebied van de Schelde. Rapport van het Instituut voor Natuur- en Bosonderzoek, R.2009.9. Instituut voor Natuur- en Bosonderzoek: Brussel. 188 pp.</i>	

5 Range		Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.			
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²	5800	

5.2 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range</i>		<i>2006-2017</i>	<i>2006-2017</i>
5.3 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>increasing</i>
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
5.5 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>

	<i>b) yes, due to improved knowledge/more accurate data</i>	<i>YES/NO</i>	<i>NO</i>	
	<i>c) yes, due to the use of different method</i>	<i>YES/NO</i>	<i>NO</i>	
	<i>d) yes, but there is no information on the nature of change</i>	<i>YES/NO</i>	<i>NO</i>	
	<i>The change is mainly due to (select one of the reasons above):</i> <i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Genuine change</i>		
5.12 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 5.1–5.11</i> <i>Free text</i>		<i>Although the river Scheldt is more or less included in the range, this is not the reproduction habitat. Therefore, it must include smaller streams and rivulets upstreams, where the species is until now not yet found.</i>	

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	<i>Year or period when population size was last determined</i>			
6.2 Population size <i>(in reporting unit)</i>	a) Unit	<i>Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal</i>	<i>1X1 km grids</i>	<i>1X1 km grids</i>
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>20</i>	<i>20</i>

6.3 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.4 Additional population size <i>(using population unit other than reporting unit)</i> <i>Optional</i>	a) Unit	<i>Use unit according to list in the Reference portal</i>		
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
6.5 Type of estimate <i>Optional</i>	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>			
6.6 Population size Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
6.7 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of population</i>		<i>2006-2017</i>	<i>2006-2017</i>
6.8 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>Stable</i>	<i>stable</i>
6.9 Short-term trend Magnitude	a) Minimum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>		

<i>Optional</i>	c) Confidence interval	Indicate confidence interval if a statistically reliable sampling scheme is used		
6.10 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		a)	a)
6.11 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)		/	/
6.12 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown		/	/
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum	/	/
	b) Maximum	Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum	/	/
	c) Confidence interval	Indicate confidence interval if a statistically reliable sampling scheme is used	/	/
6.14 Long-term trend Method used <i>Optional</i>	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		/	/

6.15 Favourable reference population <i>(using the unit in 6.2 or 6.4)</i>	a) Population size (with unit) or			
	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		>>	>>
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO		NO	NO
	If yes, provide the nature of that change. More than one option (a to d) can be chosen.			
	a) yes, due to genuine change	YES/NO		
	b) yes, due to improved knowledge/more accurate data	YES/NO		
	c) yes, due to the use of different method	YES/NO		
	d) yes, but there is no information on the nature of change	YES/NO		
The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method				
6.17 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 6.1–6.16 Free text			

7 Habitat for the species		Flanders (ATL & CON)	Atlantic Flanders
7.1 Sufficiency of area and quality of occupied habitat	a) Are area and quality of <u>occupied</u> habitat sufficient (for long-term survival)? YES/NO/Unknown	NO	NO
	b) If NO, is there a sufficiently large area of <u>unoccupied</u> habitat of suitable quality (for long-term survival)? YES/NO/Unknown	NO	NO
7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c) Based mainly on expert opinion with very limited data	c) Based mainly on expert opinion with very limited data
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017
	stable / increasing / decreasing / uncertain / unknown	increasing	increasing
	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c) Based mainly on expert opinion with very limited data	c) Based mainly on expert opinion with very limited data
7.6 Long-term trend Period Optional	A trend calculated over 24 years (1994–2018)	/	/

7.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>	/	/
7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>	<i>7.1 No due to water quality and migration barriers which are the limiting factor</i> <i>7.4 Slight improvement of water quality, mitigation of migration barriers in Flanders.</i>	

8 Main pressures and threats			Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats					
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>				
	Pressure	Threat	Pressure	Threat	

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p> <p>.</p>			<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>H: K05 Physical alteration of water bodies</p> <p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</p> <p>M: I01 Invasive alien species of Union concern</p>	<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>H: K05 Physical alteration of water bodies</p> <p>M: A25 Agricultural activities generating point source pollution to surface or ground waters</p> <p>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</p> <p>M: I01 Invasive alien species of Union concern</p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1 Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>		YES <i>b</i>

9.2 Main purpose of the measures taken	<p><i>Indicate the main purpose of measures taken:</i></p> <p><i>a) Maintain the current range, population and/or habitat for the species or</i></p> <p><i>b) Expand the current range of the species (related to 'Range') or</i></p> <p><i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i></p> <p><i>d) Restore the habitat of the species (related to 'Habitat for the species')</i></p>		<i>a</i>
9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i></p> <p><i>b) Both inside and outside Natura 2000 or</i></p> <p><i>c) Only outside Natura 2000</i></p>		<i>b</i>
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i></p> <p><i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i></p> <p><i>c) Long-term results (after 2030)</i></p>		<i>b</i>

9.5 List of main conservation measures	<i>List a maximum of 10 measures using code list provided in the Reference portal</i>		<p><i>CF05: Reduce/eliminate diffuse pollution to surface or ground waters from industrial, commercial, residential and recreational areas and activities</i></p> <p><i>CS03: Improvement of habitat of species from the directives</i></p> <p><i>CJ03: Restore habitats impacted by multi-purpose hydrological changes</i></p> <p><i>CJ04: Other measures related to mixed source pollution and multi-purpose human-induced changes in hydraulic conditions</i></p> <p><i>CS03: Improvement of habitat of species from the directives</i></p> <p><i>CS04: Manage other native species</i></p> <p><i>CN02: Implement climate change adaptation measures</i></p>
9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>		

10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	<i>Good / Poor / Bad / Unknown</i>	<i>Poor</i>	<i>Poor</i>
	b) Population	<i>Good / Poor / Bad / Unknown</i>	<i>Bad</i>	<i>Bad</i>
	c) Habitat of the species	<i>Good / Poor / Bad / Unknown</i>	<i>Bad</i>	<i>Bad</i>
10.2 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 10.1</i> <i>Free text</i>			

11 Conclusions				Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period					
11.1 Range	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			U1	U1
11.2 Population	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			U2	U2
11.3 Habitat for the species	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			U2	U2
11.4 Future prospects	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			U2	U2
11.5 Overall assessment of Conservation Status	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			U2	U2
11.6 Overall trend in Conservation Status	<i>Indicate the trend (qualifier) for FV, U1 and U2:</i> <i>improving / deteriorating / stable / unknown</i>			improving	improving
11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>				
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)		
	<i>a) no, there is no difference</i>	YES/NO	YES/NO	No - No	No - No
	<i>b) yes, due to genuine change</i>	YES/NO	YES/NO		
	<i>c) yes, due to improved knowledge/more accurate data</i>	YES/NO	YES/NO		

	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	YES/NO	YES/NO		
	<i>e) yes, but there is no information on the nature of change</i>	YES/NO	YES/NO		
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>		
11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>			<i>11.6 Although the population and habitat and future prospects stay U2, we believe that the overall trend is improving since slight increase in water quality conditions and efforts to improve river connectivity in recent years. Spawning area's are not really know yet and thought to be not very reachable.</i>	

12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1 x 1 km grids	1 x 1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	7	7
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>stable</i>	<i>stable</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.6 *Cottus gobio* – Rivierdonderpad

NATIONAL LEVEL		
1 General information		
1.1 Member State	<i>Use two-digit code according to list in the Reference portal</i>	BE
1.2 Species code	<i>Select code from species checklist in the Reference portal</i>	6965
1.3 Species scientific name	<i>Select species name from species checklist in the Reference portal</i>	Cottus gobio all others
1.4 Alternative species scientific name <i>Optional</i>	<i>Scientific name used at the national level if different to 1.3</i>	Cottus gobio Cottus rhenanus & Cottus perifretum
1.5 Common name <i>Optional</i>	<i>In national language</i>	Rivierdonderpad

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	<i>The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive' ⁶ YES/NO</i>	NO
2.2 Year or period	<i>Year or period when distribution was last determined</i>	2013-2017

⁶ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)		
3.1 Is the species taken in the wild/exploited?	<p><i>Is the species taken in the wild/exploited? YES/NO</i></p> <p><i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i></p> <p><i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i></p>	NO
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO
	c) regulation of the periods and/or methods of taking specimens	YES/NO
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO
	h) other measures, if yes, describe	YES/NO
	<p><i>If 'yes, other measures' have been taken, describe those measures</i></p> <p><i>Free text</i></p>	

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/year 1	Season/year 2	Season/year 3	Season/year 4	Season/year 5	Season/year 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information Optional	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	<p>Choose one of the following:</p> <p>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</p>	ATL+CONT	ATL
4.2 Sources of information	<p>For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)</p>	<p>-VIS-database (http://vis.inbo.be)</p> <p>-data-Natuurpunt (https://waarnemingen.be/)</p> <p>Cowx I.G., Harvey J.P., Noble R.A. & Nunn A.D. (2009). Establishing survey and monitoring protocols for the assessment of conservation status of fish populations in river Special Areas of Conservation in the UK. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 19: 96-103.</p> <p>De Meyer, E., Vlietinck, K. en Menschaert, J., 2017 Agentschap voor natuur en Bos. Soortenbeschermingsprogramma voor beekprik (<i>Lampetra planeri</i>), rivierdonderpad (<i>Cottus gobio</i>) en kleine modderkruiper (<i>Cobitis taenia</i>) voor de periode 2018-2022.</p> <p>Lommaert L., Adriaens, D. & Pollet, M. (eds.) 2018, niet gepubliceerd. Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen. Versie 2.0. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO.R.2015.8193367). Instituut voor Natuur- en Bosonderzoek, Brussel.</p>	

5 Range			Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.				
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²		9500	
5.2 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range		2006-2017	2006-2017
5.3 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown		stable	
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum		
	b) Maximum	Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum		
5.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		a)	a)

5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		/	/
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		/	/
5.8 Long-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum</i>	/	/
	b) Maximum	<i>Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum</i>	/	/
5.9 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		/	/
5.10 Favourable reference range	<i>a) In km² or</i>			
	<i>b) Indicate if operators were used (use these symbols ≈, >, >>) or</i>		≈	≈
	<i>c) If favourable reference range is unknown indicate by using 'x'</i>			

	d) Indicate method used to set reference value if other than operators Free text		
5.11 Change and reason for change in surface area of range	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.	NO	
	a) yes, due to genuine change	YES/NO	
	b) yes, due to improved knowledge/more accurate data	YES/NO	
	c) yes, due to the use of different method	YES/NO	
	d) yes, but there is no information on the nature of change	YES/NO	
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method		
5.12 Additional information Optional	Other relevant information, complementary to the data requested under fields 5.1–5.11 Free text		

6 Population		Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.			
6.1 Year or period	Year or period when population size was last determined	2013-2017	2013-2017

6.2 Population size (in reporting unit)	a) Unit	Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal	1 x 1 km grids	1 x 1 km grids
	b) Minimum	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)		
	c) Maximum	Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)		
	d) Best single value	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)	104	92
6.3 Type of estimate	Best estimate / multi-year mean / 95% confidence interval / minimum		Best estimate	Best estimate
6.4 Additional population size (using population unit other than reporting unit) Optional	a) Unit	Use unit according to list in the Reference portal	Individuals/m2	Individuals/m2
	b) Minimum	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)	0,004	0,004
	c) Maximum	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)	18,230	10
	d) Best single value	Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)		
6.5 Type of estimate Optional	Best estimate / multi-year mean / 95% confidence interval / minimum		Best estimate	Best estimate
6.6 Population size Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		b)	b)

6.7 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of population</i>	<i>2006-2017</i>	<i>2006-2017</i>
6.8 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>	<i>increasing</i>	<i>increasing</i>

6.9 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	<i>48%</i>	<i>51%</i>
	b) Maximum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	<i>95%</i>	<i>98%</i>
	c) Confidence interval	<i>Indicate confidence interval if a statistically reliable sampling scheme is used</i>		
6.10 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
6.11 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
6.12 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>

	<i>c) yes, due to the use of different method</i>	<i>No</i>	<i>yes</i>	<i>yes</i>
	<i>d) yes, but there is no information on the nature of change</i>	<i>No</i>	<i>No</i>	<i>No</i>
	<i>The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method</i>		<i>Genuine change</i>	<i>Genuine change</i>
6.17 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 6.1–6.16</i> <i>Free text</i>		<i>6.6 Additional Population size estimates in ind/m2 based on a set of 30 sites selected for species</i> <i>6.15 a) (1) upstream (2) downstream</i> <i>Cowx I.G., Harvey J.P., Noble R.A. & Nunn A.D. (2009). Establishing survey and monitoring protocols for the assessment of conservation status of fish populations in river Special Areas of Conservation in the UK. Aquatic Conservation: Marine and Freshwater Ecosystems 19: 96-103.</i> <i>6.15 b) In less than 35% of the sites population size was good($\geq 0,2$ ind./m² or $\geq 0,5$ ind./m²)</i> <i>So operator is set for ></i> <i>6.9 a) Increase between two periods showed byMC Nemar test</i> <i>6.9 b)The relative increase between two periods</i>	

7 Habitat for the species		Flanders (ATL & CON)	Atlantic Flanders
7.1 Sufficiency of area and quality of occupied habitat	a) Are area and quality of <u>occupied</u> habitat sufficient (for long-term survival)? YES/NO/Unknown	NO	NO
	b) If NO, is there a sufficiently large area of <u>unoccupied</u> habitat of suitable quality (for long-term survival)? YES/NO/Unknown	NO	NO
7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2007	2006-2017
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	increasing	increasing
7.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c)	c)
7.6 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)	/	/

7.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>	<i>/</i>	<i>/</i>
7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	<i>/</i>	<i>/</i>
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>	<i>7.1 Area is sufficient but quality and migration barriers are the limiting factor</i> <i>7.4 Slight improvement of water quality, mitigation of migration barriers in Flanders.</i>	

8 Main pressures and threats		Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats				
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>			
	<div>Pressu re</div> <div>Threat</div>	Pressure	Threat	

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p><i>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</i></p> <p><i>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</i></p> <p><i>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</i></p> <p><i>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</i></p> <p><i>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</i></p> <p><i>H: K05 Physical alteration of water bodies</i></p> <p><i>H: I02 Other invasive alien species (other than species of Union concern)</i></p> <p><i>M: A25 Agricultural activities generating point source pollution to surface or ground waters</i></p> <p><i>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</i></p> <p><i>M: I01 Invasive alien species of Union concern</i></p>	<p><i>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</i></p> <p><i>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</i></p> <p><i>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</i></p> <p><i>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</i></p> <p><i>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</i></p> <p><i>H: K05 Physical alteration of water bodies</i></p> <p><i>H: I02 Other invasive alien species (other than species of Union concern)</i></p> <p><i>M: A25 Agricultural activities generating point source pollution to surface or ground waters</i></p> <p><i>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</i></p> <p><i>M: I01 Invasive alien species of Union concern</i></p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1 Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>	YES <i>b</i>	YES <i>b</i>

9.2 Main purpose of the measures taken	<p>Indicate the main purpose of measures taken:</p> <p>a) Maintain the current range, population and/or habitat for the species or</p> <p>b) Expand the current range of the species (related to 'Range') or</p> <p>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</p> <p>d) Restore the habitat of the species (related to 'Habitat for the species')</p>	<i>b</i>	<i>b</i>
9.3 Location of the measures taken	<p>Indicate the location of measures taken:</p> <p>a) Only inside Natura 2000 or</p> <p>b) Both inside and outside Natura 2000 or</p> <p>c) Only outside Natura 2000</p>	<i>b</i>	<i>b</i>
9.4 Response to the measures (when the measures starts to neutralize the pressure(s) and produce positive effects)	<p>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</p> <p>a) Short-term results (within the current reporting period, 2013-2018) or</p> <p>b) Medium-term results (within the next two reporting periods, 2019-2030) or</p> <p>c) Long-term results (after 2030)</p>	<i>b</i>	<i>b</i>
9.5 List of main conservation measures	<p>List a maximum of 10 measures using code list provided in the Reference portal</p>	<p>CF04 : Reduce/eliminate point source pollution to surface or ground waters from industrial, commercial, residential and recreational areas and activities</p> <p>CS03 : Improvement of habitat of species from the directives</p> <p>CE01 : Reduce impact of transport operation and infrastructure</p> <p>CJ02 : Reduce impact of multi-purpose hydrological changes</p> <p>CS02 : Reintroduce species from the directives</p> <p>CL01: Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes</p>	

9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>	<p>9.2 See SBP(-De Meyer, E., Vlietinck, K. en Menschaert, J., 2017 Agentschap voor natuur en Bos. Soortenbeschermingsprogramma voor beekprik (<i>Lampetra planeri</i>), rivierdonderpad (<i>Cottus gobio</i>) en kleine modderkruiper (<i>Cobitis taenia</i>) voor de periode 2018-2022.</p> <p>De focus van de acties die voorgesteld worden in dit SBP ligt op de verdere verbetering van de waterkwaliteit, structuurherstel van waterlopen, een aangepast waterloopbeheer en het verbinden van geïsoleerde populaties door het oplossen van vismigratieknelpunten. Al deze acties zijn te beschouwen als verdere concretisering van acties die reeds voorzien zijn in de stroomgebiedbeheerplannen in uitvoering van de Europese kaderrichtlijn Water. Verder is er ook aandacht voor herintroductie (omwille van de beperkte dispersiecapaciteit van deze soorten) en voor het beheer van invasieve exoten die een bedreiging kunnen vormen voor deze vissoorten. Ten slotte is het noodzakelijk om de verspreiding van de soorten zowel op Vlaams niveau als gebiedsgericht afdoende te monitoren, zodat acties en maatregelen gericht kunnen worden ingezet en geëvalueerd.</p>
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10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	Good / Poor / Bad / Unknown	Good	Good
	b) Population	Good / Poor / Bad / Unknown	Poor	Poor
	c) Habitat of the species	Good / Poor / Bad / Unknown	Poor	Poor

10.2 Additional information	<i>Other relevant information, complementary to the data requested under field 10.1</i>		
<i>Optional</i>	<i>Free text</i>		

11 Conclusions				Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period					
11.1 Range	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>FV</i>	<i>FV</i>
11.2 Population	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U1</i>	<i>U1</i>
11.3 Habitat for the species	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U1</i>	<i>U1</i>
11.4 Future prospects	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U1</i>	<i>U1</i>
11.5 Overall assessment of Conservation Status	<i>Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)</i>			<i>U1</i>	<i>U1</i>
11.6 Overall trend in Conservation Status	<i>Indicate the trend (qualifier) for FV, U1 and U2: improving / deteriorating / stable / unknown</i>			<i>improving</i>	<i>improving</i>
11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>				
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)		
	<i>a) no, there is no difference</i>	<i>YES/NO</i>	<i>YES/NO</i>	<i>NO – NO</i>	<i>NO/NO</i>
	<i>b) yes, due to genuine change</i>	<i>YES/NO</i>	<i>YES/NO</i>		

	<i>c) yes, due to improved knowledge/more accurate data</i>	<i>YES/NO</i>	<i>YES/NO</i>		
	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	<i>YES/NO</i>	<i>YES/NO</i>		
	<i>e) yes, but there is no information on the nature of change</i>	<i>YES/NO</i>	<i>YES/NO</i>		
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>		
11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>			<i>11.2 Population sizes recently increased because of increasing habitat quality. However, most populations are still too small and isolated to persist in the long term.</i> <i>11.3 More and more habitat becomes available for the species since water quality in general is increasing and migration barriers are gradually removed. However, the overall habitat quality still remains insufficient to allow sustainable populations.</i> <i>11.4 Both population sizes and habitat quality are not assumed to reach the threshold for long term survival within the next 12 years, although trends are positive in general. Habitat restoration is a long term project. As long as the habitat is unsuitable, both population growth and colonization of unoccupied but suitable habitat is precluded.</i>	

12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1 x 1 km grids	1 x 1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	41	33
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>Increasing</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.7 *Alosa fallax* – Fint

NATIONAL LEVEL		
1 General information		
1.1 Member State	<i>Use two-digit code according to list in the Reference portal</i>	BE
1.2 Species code	<i>Select code from species checklist in the Reference portal</i>	1103
1.3 Species scientific name	<i>Select species name from species checklist in the Reference portal</i>	Alosa fallax
1.4 Alternative species scientific name <i>Optional</i>	<i>Scientific name used at the national level if different to 1.3</i>	Alosa fallax fallax
1.5 Common name <i>Optional</i>	<i>In national language</i>	Fint

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	<i>The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive'⁷ YES/NO</i>	NO
2.2 Year or period	<i>Year or period when distribution was last determined</i>	2013-2017

⁷ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)		
3.1 Is the species taken in the wild/exploited?	<p><i>Is the species taken in the wild/exploited? YES/NO</i></p> <p><i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i></p> <p><i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i></p>	NO
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO
	c) regulation of the periods and/or methods of taking specimens	YES/NO
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO
	h) other measures, if yes, describe	YES/NO
	<p><i>If 'yes, other measures' have been taken, describe those measures</i></p> <p><i>Free text</i></p>	

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/ ear 1	Season/ ear 2	Season/ year 3	Season/ ear 4	Season/ ear 5	Season/ ear 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information Optional	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	<p>Choose one of the following:</p> <p>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</p>	ATL	ATL
4.2 Sources of information	<p>For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)</p>	<p>-VIS-database (http://vis.inbo.be)</p> <p>- https://waarnemingen.be/</p> <p>-Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen- Lommaert L., Adriaens, D. & Pollet, M. (eds.) 2018, niet gepubliceerd. Criteria voor de beoordeling van de lokale staat van instandhouding van de Habitatrichtlijnsoorten in Vlaanderen. Versie 2.0. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO.R.2015.8193367). Instituut voor Natuur- en Bosonderzoek, Brussel.</p>	

5 Range		Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.			
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²	1900	

5.2 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range</i>		<i>2006-2017</i>	<i>2006-2017</i>
5.3 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>increasing</i>
5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
5.5 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>

5.8 Long-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum	/	/
	b) Maximum	Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum	/	/
5.9 Long-term trend Method used <i>Optional</i>	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d		/	/
5.10 Favourable reference range	a) In km ² or			
	b) Indicate if operators were used (use these symbols ≈, >, >>) or		≈	≈
	c) If favourable reference range is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
5.11 Change and reason for change in surface area of range	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		YES	YES
	a) yes, due to genuine change		YES/NO	YES

	<i>b) yes, due to improved knowledge/more accurate data</i>	<i>YES/NO</i>	<i>NO</i>	<i>NO</i>
	<i>c) yes, due to the use of different method</i>	<i>YES/NO</i>	<i>NO</i>	<i>NO</i>
	<i>d) yes, but there is no information on the nature of change</i>	<i>YES/NO</i>	<i>NO</i>	<i>NO</i>
	<i>The change is mainly due to (select one of the reasons above):</i> <i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Genuine change</i>		<i>Genuine change</i>
5.12 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 5.1–5.11</i> <i>Free text</i>			

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	<i>Year or period when population size was last determined</i>		<i>2013-2017</i>	<i>2013-2017</i>
6.2 Population size <i>(in reporting unit)</i>	a) Unit	<i>Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal</i>	<i>1 x 1 km grids</i>	<i>1 x 1 km grids</i>
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	<i>48</i>	<i>48</i>

6.3 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.4 Additional population size <i>(using population unit other than reporting unit)</i> <i>Optional</i>	a) Unit	<i>Use unit according to list in the Reference portal</i>	/	/
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	/	/
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	/	/
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	/	/
6.5 Type of estimate <i>Optional</i>	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		/	/
6.6 Population size Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
6.7 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of population</i>		<i>2006-2013</i>	<i>2006-2013</i>
6.8 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>increasing</i>
6.9 Short-term trend Magnitude	a) Minimum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	<i>+269%</i>	<i>+269%</i>
	b) Maximum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	<i>+269%</i>	<i>+269%</i>

<i>Optional</i>	c) Confidence interval	Indicate confidence interval if a statistically reliable sampling scheme is used	/	/
6.10 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		a)	a)
6.11 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)		/	/
6.12 Long-term trend Direction <i>Optional</i>	stable / increasing / decreasing / uncertain / unknown		/	/
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum	/	/
	b) Maximum	Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum	/	/
	c) Confidence interval	Indicate confidence interval if a statistically reliable sampling scheme is used	/	/
6.14 Long-term trend Method used <i>Optional</i>	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		/	/

6.15 Favourable reference population <i>(using the unit in 6.2 or 6.4)</i>	a) Population size (with unit) or			
	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		>	>
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO		YES	YES
	If yes, provide the nature of that change. More than one option (a to d) can be chosen.			
	a) yes, due to genuine change	YES/NO	YES	YES
	b) yes, due to improved knowledge/more accurate data	YES/NO	NO	NO
	c) yes, due to the use of different method	YES/NO	NO	NO
	d) yes, but there is no information on the nature of change	YES/NO	NO	NO
	The change is mainly due to (select one of the reasons above):		Genuine change	Genuine change
	genuine change / improved knowledge or more accurate data / the use of a different method			
6.17 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 6.1–6.16			
	Free text			

7 Habitat for the species		Flanders (ATL & CON)	Atlantic Flanders
7.1 Sufficiency of area and quality of occupied habitat	a) Are area and quality of <u>occupied</u> habitat sufficient (for long-term survival)? YES/NO/Unknown	NO	NO
	b) If NO, is there a sufficiently large area of <u>unoccupied</u> habitat of suitable quality (for long-term survival)? YES/NO/Unknown	YES	YES
7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c) Based mainly on expert opinion with very limited data	c) Based mainly on expert opinion with very limited data
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	increasing	increasing
7.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	b) Based mainly on extrapolation from a limited amount of data	b) Based mainly on extrapolation from a limited amount of data
7.6 Long-term trend Period Optional	A trend calculated over 24 years (1994–2018)	/	/

7.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>	/	/
7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>		

8 Main pressures and threats			Flanders (ATL & CON)		Atlantic Flanders
8.1 Characterisation of pressures/threats					
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>				
	Pressu re	Threat	Pressure	Threat	

<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>M: F10 Deposition and treatment of waste/garbage from commercial and industrial facilities</p> <p>M: F25 Industrial or commercial activities and structures generating noise, light, heat or other forms of pollution</p> <p>M: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M:K05 Physical alteration of waterbodies</p> <p>M:I01 Invasive alien species of Union concern</p>	<p>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</p> <p>H: F01 Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions)</p> <p>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</p> <p>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</p> <p>M: F10 Deposition and treatment of waste/garbage from commercial and industrial facilities</p> <p>M: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</p> <p>M:K05 Physical alteration of water bodies</p> <p>M:I01 Invasive alien species of Union concern</p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1</i> <i>Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>		YES b)
9.2 Main purpose of the measures taken	<i>Indicate the main purpose of measures taken:</i> <i>a) Maintain the current range, population and/or habitat for the species or</i> <i>b) Expand the current range of the species (related to 'Range') or</i> <i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i> <i>d) Restore the habitat of the species (related to 'Habitat for the species')</i>		a)

9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i> <i>b) Both inside and outside Natura 2000 or</i> <i>c) Only outside Natura 2000</i></p>		<p><i>a)</i></p>
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i> <i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i> <i>c) Long-term results (after 2030)</i></p>		<p><i>b)</i></p>

9.5 List of main conservation measures	<i>List a maximum of 10 measures using code list provided in the Reference portal</i>		<p><i>CF05: Reduce/eliminate diffuse pollution to surface or ground waters from industrial, commercial, residential and recreational areas and activities</i></p> <p><i>CE06: Habitat restoration of areas impacted by transport</i></p> <p><i>CE01: Reduce impact of transport operation and infrastructure</i></p> <p><i>CJ02: Reduce impact of multi-purpose hydrological changes</i></p> <p><i>CJ03: Restore habitats impacted by multi-purpose hydrological changes</i></p> <p><i>CJ04: Other measures related to mixed source pollution and multi-purpose human-induced changes in hydraulic conditions</i></p> <p><i>CS03: Improvement of habitat of species from the directives</i></p> <p><i>CS04: Manage other native species</i></p> <p><i>CN02: Implement climate change adaptation measures</i></p>
9.6 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i> <i>Free text</i>		

10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	Good / Poor / Bad / Unknown	Good	Good
	b) Population	Good / Poor / Bad / Unknown	Poor	Poor
	c) Habitat of the species	Good / Poor / Bad / Unknown	Poor	Poor
10.2 Additional information Optional	Other relevant information, complementary to the data requested under field 10.1 Free text			

11 Conclusions		Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period			
11.1 Range	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	FV	FV
11.2 Population	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U1	U1
11.3 Habitat for the species	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U1	U1
11.4 Future prospects	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U1	U1
11.5 Overall assessment of Conservation Status	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U1	U1
11.6 Overall trend in Conservation Status	Indicate the trend (qualifier) for FV, U1 and U2: improving / deteriorating / stable / unknown	improving	improving

11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>				
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)		
	<i>a) no, there is no difference</i>	YES/NO	YES/NO	<i>Yes – No There is a difference in conservation state/ trend remains the same</i>	<i>Yes – No There is a difference in conservation state/ trend remains the same</i>
	<i>b) yes, due to genuine change</i>	YES/NO	YES/NO	YES	YES
	<i>c) yes, due to improved knowledge/more accurate data</i>	YES/NO	YES/NO	NO	NO
	<i>d) yes, due to the use of different method (including taxonomical change or use of different thresholds)</i>	YES/NO	YES/NO	NO	NO
	<i>e) yes, but there is no information on the nature of change</i>	YES/NO	YES/NO	NO	NO
	<i>The change is mainly due to (select one of the reasons above):</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>genuine change / improved knowledge or more accurate data / the use of a different method</i>	<i>Genuine change</i>	<i>Genuine change</i>

11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>	
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12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>	1X1 grids	1X1 grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	44	44
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>		<i>increasing</i>	<i>increasing</i>
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	

4.8 *Barbus barbus* – Barbeel

NATIONAL LEVEL		
1 General information		
1.1 Member State	<i>Use two-digit code according to list in the Reference portal</i>	BE
1.2 Species code	<i>Select code from species checklist in the Reference portal</i>	5085
1.3 Species scientific name	<i>Select species name from species checklist in the Reference portal</i>	Barbus barbus
1.4 Alternative species scientific name <i>Optional</i>	<i>Scientific name used at the national level if different to 1.3</i>	
1.5 Common name <i>Optional</i>	<i>In national language</i>	Barbeel

2 Maps		
Distribution of the species within the Member State concerned.		
2.1 Sensitive species	<i>The spatial information provided relates to a species (or subspecies) to be treated as 'sensitive'⁸ YES/NO</i>	NO
2.2 Year or period	<i>Year or period when distribution was last determined</i>	2012-2017

⁸ See the definition of a sensitive species in the Explanatory Notes and Guidelines for the period 2013–2018

2.3 Distribution map	<i>Submit a map together with relevant metadata following the technical specifications in the Explanatory Notes and Guidelines. The standard for species distribution is 10x10km ETRS grid cells, projection ETRS LAEA 5210</i>	
2.4 Distribution map Method used	<i>Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available</i>	<i>a)</i>
2.5 Additional maps <i>Optional</i>	<i>MS can submit an additional map, deviating from standard submission map under 2.3 and/or a range map</i>	

3 Information related to Annex V species (Art. 14)		
3.1 Is the species taken in the wild/exploited?	<p><i>Is the species taken in the wild/exploited? YES/NO</i></p> <p><i>If the reply is NO, or if the reply is YES and the conservation status of the species is Favourable (FV) in all biogeographical or marine regions where the species occurs, then do not fill in the remaining fields of this section</i></p> <p><i>If the reply is YES and the conservation status of the species is Unfavourable (U1 or U2) in one or more biogeographical/marine regions where the species occurs, complete the remaining relevant fields of this section</i></p>	NO
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	YES/NO
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	YES/NO
	c) regulation of the periods and/or methods of taking specimens	YES/NO
	d) application of hunting and fishing rules which take account of the conservation of such populations	YES/NO
	e) establishment of a system of licences for taking specimens or of quotas	YES/NO
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	YES/NO
	g) breeding in captivity of animal species as well as artificial propagation of plant species	YES/NO
	h) other measures, if yes, describe	YES/NO
	<p><i>If 'yes, other measures' have been taken, describe those measures</i></p> <p><i>Free text</i></p>	

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)	a) Unit	Use reporting unit as in field 6.2 a)						
	b) Statistics/ quantity taken	Provide statistics/quantity taken per hunting season or per year (where season is not used) over the reporting period						
		Season/year 1	Season/year 2	Season/year 3	Season/year 4	Season/year 5	Season/year 6	
	Min. (raw, i.e. not rounded)							
	Max. (raw, i.e. not rounded)							
	Unknown							
3.4 Hunting bag or quantity taken in the wild Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available							
3.5 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 3.1–3.4 Free text							

BIOGEOGRAPHICAL LEVEL			
Complete for each biogeographical region or marine region concerned.			
4 Biogeographical and marine regions		Flanders (ATL & CON)	Atlantic Flanders
4.1 Biogeographical or marine region where the species occurs	Choose one of the following: <i>Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Macaronesian, Pannonian, Steppic, Marine Atlantic, Marine Mediterranean, Marine Black Sea, Marine Macaronesian and Marine Baltic Sea</i>	ATL+CONT	ATL
4.2 Sources of information	For data reported in the sections below provide relevant available bibliographic references and/or link to Internet site(s)	- VIS-database (http://vis.inbo.be) - data-Natuurpunt (https://waarnemingen.be/)	

5 Range		Flanders (ATL & CON)	Atlantic Flanders
Range within the biogeographical region concerned.			
5.1 Surface area	Total surface area of the range within biogeographical/marine region concerned in km ²	1400	
5.2 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to that. The short-term trend should be used for the assessment of range	2006-2017	2006-2017
5.3 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	stable	

5.4 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
	b) Maximum	<i>Percentage change over the period indicated in the field 5.2. If a precise value is known provide the same value under both minimum and maximum</i>		
5.5 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>a)</i>	<i>a)</i>
5.6 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
5.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>
5.8 Long-term trend Magnitude	a) Minimum	<i>Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	<i>/</i>

<i>Optional</i>	b) Maximum	Percentage change over the period indicated in the field 5.6. If a precise value is known provide the same value under both minimum and maximum	/	/
5.9 Long-term trend Method used <i>Optional</i>	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available		/	/
5.10 Favourable reference range	a) In km ² or			
	b) Indicate if operators were used (use these symbols ≈, >, >>) or		≈	≈
	c) If favourable reference range is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
5.11 Change and reason for change in surface area of range	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		NO	
	a) yes, due to genuine change	YES/NO		
	b) yes, due to improved knowledge/more accurate data	YES/NO		
	c) yes, due to the use of different method	YES/NO		
	d) yes, but there is no information on the nature of change	YES/NO		

	<i>The change is mainly due to (select one of the reasons above):</i> <i>genuine change / improved knowledge or more accurate data / the use of a different method</i>		
5.12 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 5.1–5.11</i> <i>Free text</i>		

6 Population			Flanders (ATL & CON)	Atlantic Flanders
Population within the biogeographical/marine region concerned.				
6.1 Year or period	<i>Year or period when population size was last determined</i>		2012-2017	2012-2017
6.2 Population size <i>(in reporting unit)</i>	a) Unit	<i>Individuals or 1 x 1 km grids or other unit (for species occurring only in one Member State). Use unit according to check list in the Reference portal</i>	1 x 1 km grids	1 x 1 km grids
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded) Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>	10	5
6.3 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>		<i>Best estimate</i>	<i>Best estimate</i>
6.4 Additional population size	a) Unit	<i>Use unit according to list in the Reference portal</i>		

<i>(using population unit other than reporting unit)</i> <i>Optional</i>	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
6.5 Type of estimate <i>Optional</i>	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>			
6.6 Population size Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b)</i>	<i>b)</i>
6.7 Short-term trend Period	<i>2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of population</i>		<i>2006-2017</i>	<i>2006-2017</i>
6.8 Short-term trend Direction	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>decreasing</i>	<i>decreasing</i>
6.9 Short-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	<i>-44%</i>	<i>-67%</i>
	b) Maximum	<i>Percentage change over the period indicated in the field 6.7. If a precise value is known provide the same value under both minimum and maximum</i>	<i>-44%</i>	<i>-67%</i>
	c) Confidence interval	<i>Indicate confidence interval if a statistically reliable sampling scheme is used</i>		

6.10 Short-term trend Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>b</i>	<i>b</i>
6.11 Long-term trend Period <i>Optional</i>	<i>A trend calculated over 24 years (1994–2018)</i>		<i>/</i>	<i>/</i>
6.12 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>		<i>/</i>	<i>/</i>
6.13 Long-term trend Magnitude <i>Optional</i>	a) Minimum	<i>Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	<i>/</i>
	b) Maximum	<i>Percentage change over the period indicated in the field 6.11. If a precise value is known provide the same value under both minimum and maximum</i>	<i>/</i>	<i>/</i>
	c) Confidence interval	<i>Indicate confidence interval if a statistically reliable sampling scheme is used</i>	<i>/</i>	<i>/</i>
6.14 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>		<i>/</i>	<i>/</i>
6.15 Favourable reference	<i>a) Population size (with unit) or</i>			

population <i>(using the unit in 6.2 or 6.4)</i>	b) Indicate if operators were used (using symbols ≈, >, >>, <) or		>>	>>
	c) If favourable reference population is unknown indicate by using 'x'			
	d) Indicate method used to set reference value if other than operators Free text			
6.16 Change and reason for change in population size	Is there a change between reporting periods? YES/NO If yes, provide the nature of that change. More than one option (a to d) can be chosen.		YES	YES
	a) yes, due to genuine change	YES/NO	YES	YES
	b) yes, due to improved knowledge/more accurate data	YES/NO	NO	NO
	c) yes, due to the use of different method	YES/NO	YES	YES
	d) yes, but there is no information on the nature of change	YES/NO		
	The change is mainly due to (select one of the reasons above): genuine change / improved knowledge or more accurate data / the use of a different method		Genuine change	Genuine change
6.17 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under fields 6.1–6.16 Free text			

7 Habitat for the species		Flanders (ATL & CON)	Atlantic Flanders
7.1 Sufficiency of area and quality of occupied habitat	a) Are area and quality of <u>occupied</u> habitat sufficient (for long-term survival)? YES/NO/Unknown	NO	NO
	b) If NO, is there a sufficiently large area of <u>unoccupied</u> habitat of suitable quality (for long-term survival)? YES/NO/Unknown	NO	NO
7.2 Sufficiency of area and quality of occupied habitat Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	C	C
7.3 Short-term trend Period	2007–2018 (rolling 12-year time window) or period as close as possible to it. The short-term trend should be used for the assessment of habitat for species	2006-2017	2006-2017
7.4 Short-term trend Direction	stable / increasing / decreasing / uncertain / unknown	stable	stable
7.5 Short-term trend Method used	Select one of the following methods: a) Complete survey or a statistically robust estimate b) Based mainly on extrapolation from a limited amount of data c) Based mainly on expert opinion with very limited data d) Insufficient or no data available	c	c
7.6 Long-term trend Period <i>Optional</i>	A trend calculated over 24 years (1994–2018)	/	/

7.7 Long-term trend Direction <i>Optional</i>	<i>stable / increasing / decreasing / uncertain / unknown</i>	/	/
7.8 Long-term trend Method used <i>Optional</i>	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>	/	/
7.9 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 7.1–7.8</i> <i>Free text</i>	<i>7.4 Slight improvement of water quality, mitigation of migration barriers</i>	

8 Main pressures and threats		Flanders (ATL & CON)	Atlantic Flanders
8.1 Characterisation of pressures/threats			
a) Pressure/threat	b) Ranking of pressure/threat <i>Indicate whether the pressure/threat is of:</i> <i>H = high importance (maximum of 5 entries for pressures and 5 for threats)</i> <i>M = medium importance</i>		

	Pressure	Threat	Pressure	Threat	
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<p>List a maximum of 10 pressures and a maximum of 10 threats using code list provided or in the Reference portal.</p>			<p><i>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</i></p> <p><i>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</i></p> <p><i>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</i></p> <p><i>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</i></p> <p><i>H:K05 Physical alteration of water bodies</i></p> <p><i>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</i></p>	<p><i>H: E03 Shipping lanes, ferry lanes and anchorage infrastructure (e.g. canalisation, dredging)</i></p> <p><i>H: F09 Deposition and treatment of waste/garbage from household/recreational facilities</i></p> <p><i>H: F12 Discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water</i></p> <p><i>H: F33 Abstraction of ground and surface waters (including marine) for public water supply and recreational use</i></p> <p><i>H:K05 Physical alteration of water bodies</i></p> <p><i>M: A26 Agricultural activities generating diffuse pollution to surface or ground waters</i></p>	<p>As for Flanders</p>
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8.2 Sources of information <i>Optional</i>	<i>If available, provide sources of information (URL, metadata) supporting evidence of pressures reported as 'High'</i>		
8.3 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under field 8.1</i> <i>Free text</i>		

9 Conservation measures		Flanders CON (SBZ Voeren)	Atlantic Flanders
To be reported only for Annex II species			
9.1 Status of measures	<i>Are measures needed? YES/NO</i> <i>If yes, indicate the status of measures:</i> <i>a) Measures identified, but none yet taken or</i> <i>b) Measures identified and taken or</i> <i>c) Measures needed but cannot be identified</i>		

9.2 Main purpose of the measures taken	<p><i>Indicate the main purpose of measures taken:</i></p> <p><i>a) Maintain the current range, population and/or habitat for the species or</i></p> <p><i>b) Expand the current range of the species (related to 'Range') or</i></p> <p><i>c) Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure) (related to 'Population') or</i></p> <p><i>d) Restore the habitat of the species (related to 'Habitat for the species')</i></p>		
9.3 Location of the measures taken	<p><i>Indicate the location of measures taken:</i></p> <p><i>a) Only inside Natura 2000 or</i></p> <p><i>b) Both inside and outside Natura 2000 or</i></p> <p><i>c) Only outside Natura 2000</i></p>		
9.4 Response to the measures <i>(when the measures starts to neutralize the pressure(s) and produce positive effects)</i>	<p><i>Indicate the time frame of the response to measures (with regard to the main purpose in field 9.2):</i></p> <p><i>a) Short-term results (within the current reporting period, 2013-2018) or</i></p> <p><i>b) Medium-term results (within the next two reporting periods, 2019-2030) or</i></p> <p><i>c) Long-term results (after 2030)</i></p>		
9.5 List of main conservation measures	<i>List a maximum of 10 measures using code list provided in the Reference portal</i>		
9.6 Additional information <i>Optional</i>	<p><i>Other relevant information, complementary to the data requested under fields 9.1–9.5</i></p> <p><i>Free text</i></p>		

10 Future prospects			Flanders (ATL & CON)	Atlantic Flanders
10.1 Future prospects of parameters	a) Range	Good / Poor / Bad / Unknown	Good	Good
	b) Population	Good / Poor / Bad / Unknown	Bad	Bad
	c) Habitat of the species	Good / Poor / Bad / Unknown	Poor	Poor
10.2 Additional information <i>Optional</i>	Other relevant information, complementary to the data requested under field 10.1 Free text			

11 Conclusions		Flanders (ATL & CON)	Atlantic Flanders
Assessment of conservation status at end of reporting period			
11.1 Range	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	FV	FV
11.2 Population	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.3 Habitat for the species	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U1	U1
11.4 Future prospects	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U1	U1
11.5 Overall assessment of Conservation Status	Favourable (FV) / Inadequate (U1) / Bad (U2) / Unknown (XX)	U2	U2
11.6 Overall trend in Conservation Status	Indicate the trend (qualifier) for FV, U1 and U2: improving / deteriorating / stable / unknown	deteriorating	deteriorating

11.7 Change and reasons for change in conservation status and conservation status trend	<i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change. More than one option (b to e) can be chosen.</i>			
		Overall assessment of conservation status (11.5)	Overall trend in conservation status (11.6)	
	a) no, there is no difference	YES/NO	YES/NO	No/NO
	b) yes, due to genuine change	YES/NO	YES/NO	
	c) yes, due to improved knowledge/more accurate data	YES/NO	YES/NO	
	d) yes, due to the use of different method (including taxonomical change or use of different thresholds)	YES/NO	YES/NO	
	e) yes, but there is no information on the nature of change	YES/NO	YES/NO	
	The change is mainly due to (select one of the reasons above):	genuine change / improved knowledge or more accurate data / the use of a different method	genuine change / improved knowledge or more accurate data / the use of a different method	
11.8 Additional information <i>Optional</i>	<i>Other relevant information, complementary to the data requested under fields 11.1–11.7</i> <i>Free text</i>			

12 Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species			Flanders (ATL & CON)	Atlantic Flanders
12.1 Population size inside the pSCIs, SCIs and SACs network <i>(on the biogeographical/marine level including all sites where the species is present)</i>	a) Unit	<i>Use reporting unit as in field 6.2 a)</i>		
	b) Minimum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value(d)</i>		
	c) Maximum	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
	d) Best single value	<i>Number (raw, i.e. not rounded). Provide either interval (b and c) and/or best single value (d)</i>		
12.2 Type of estimate	<i>Best estimate / multi-year mean / 95% confidence interval / minimum</i>			
12.3 Population size inside the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate,</i> <i>b) Based mainly on extrapolation from a limited amount of data,</i> <i>c) Based mainly on expert opinion with very limited data,</i> <i>d) Insufficient or no data available</i>			
12.4 Short-term trend of population size within the network Direction	<i>Short-term trend of population size within the network over the period indicated in field 6.7 :</i> <i>stable / increasing / decreasing / uncertain / unknown</i>			
12.5 Short-term trend of population size within the network Method used	<i>Select one of the following methods:</i> <i>a) Complete survey or a statistically robust estimate</i> <i>b) Based mainly on extrapolation from a limited amount of data</i> <i>c) Based mainly on expert opinion with very limited data</i> <i>d) Insufficient or no data available</i>			

12.6 Additional information	<i>Other relevant information, complementary to the data requested under fields 12.1–12.5</i>		
<i>Optional</i>	<i>Free text</i>		

13 Complementary information		
13.1 Justification of % thresholds for trends	<i>In case a MS is not using the indicative value of 1% per year in the assessment matrix when assessing trends, this should be duly justified in this free text field</i>	
<i>Optional</i>		
13.2 Trans-boundary assessment	<i>Where two or more MS have made a joint conservation status assessment for a trans-boundary population of a (usually wide-ranging) species, this should be explained here. Note clearly the Member States involved, the % of the total population in the MS concerned, how the assessment was carried out and any joint initiatives taken to ensure a common management of the species (e.g. population management plan)</i>	
<i>Optional</i>		
13.3 Other relevant information	<i>Other relevant information not specific for the section of this format.</i>	
<i>Optional</i>	<i>Free text</i>	