

# **Article 17 National Summary Factsheet – Luxembourg**

This factsheet provides statistics presenting the main results from the Member States' Article 17 reports from the reporting period 2013 – 2018.

## Contents

|     |   |    |
|-----|---|----|
| 1   | General information on Natura 2000 network.....   | 3  |
| 1.1 | Natura 2000 network and site designation - number and area of SCIs and SACs.....  | 3  |
| 1.2 | Natura 2000 sites (SACs) - Conservation measures and management plans. ....   | 3  |
| 2   | General information on habitats and species reported .....  | 4  |
| 2.1 | Number of habitats and species/subspecies.....  | 4  |
| 3   | Conservation status & trends .....  | 5  |
| 3.1 | Overall assessment of conservation status .....   | 5  |
| 3.2 | Overall trend in conservation status .....  | 5  |
| 3.3 | Overall assessment of conservation status of habitats and species by biogeographical/marine region ..                               | 6  |
| 3.4 | Conservation status and trend in conservation status by habitat category/species group.....   | 7  |
| 3.5 | Genuine changes of conservation status and trend.....   | 9  |
| 4   | Condition of habitat: good / unknown / not good condition .....   | 11 |
| 5   | Main pressures and threats .....  | 12 |
| 5.1 | Frequency of main pressures and threats.....  | 12 |
| 6   | Natura 2000 coverage .....  | 15 |
| 6.1 | Coverage of habitat types and species by the Natura 2000 network .....  | 15 |
| 6.2 | Population trend and trend in habitat area with good condition within the Natura 2000 network in comparison to overall trends ..... | 16 |
| 7   | Conservation measures .....   | 19 |
| 7.1 | Information on the status of measures.....  | 19 |
| 7.2 | Main purpose of the measures taken .....  | 19 |
| 7.3 | Location of measures .....  | 19 |
| 7.4 | Main conservation measures .....  | 19 |
| 8   | Information on Annex V species.....   | 21 |
| 8.1 | Exploitation of Annex V species .....   | 21 |
| 9   | Data quality and completeness .....   | 22 |
| 9.1 | Proportion of mandatory information that is missing or reported as unknown .....  | 22 |
| 9.2 | Methods used to estimate values or trends in Member State reports.....  | 23 |
|     | Appendix.....   | 25 |
| 1   | Source of information.....  | 25 |
| 2   | Online dashboards.....  | 25 |
| 3   | General Methodology.....  | 25 |

# 1 General information on Natura 2000 network

## 1.1 Natura 2000 network and site designation - number and area of SCIs and SACs

The table provides the total number and total area of sites proposed and designated under the Habitats Directive (proposed Sites of Community Importance, pSCIs Sites of Community Importance, SCIs & Special Areas of Conservation, SACs), terrestrial area of sites and number and area of marine sites (i.e. any site with a marine component).

| Type of Natura 2000 sites | Number of sites |        | Area (km <sup>2</sup> ) |             |        |
|---------------------------|-----------------|--------|-------------------------|-------------|--------|
|                           | All             | Marine | All                     | Terrestrial | Marine |
| <b>SCIs &amp; SACs</b>    | 48              | 0      | 416                     | 416         | 0      |
| <b>SACs only</b>          | 48              | 0      | 416                     | 416         | 0      |

**Note:** This table provides information as calculated and reported by the Member States in the frame of reporting under Article 17 of the Habitats Directive. The numbers correspond to the status and areas of the Habitats Directive sites at the end of the reporting period (2018). Although the Article 17 information should be based on the last 2018 submission of the Natura 2000 dataset, these are two separate data flows and discrepancies can occur. For information from the Natura 2000 dataflow please look here: <https://www.eea.europa.eu/data-and-maps/dashboards/natura-2000-barometer>

## 1.2 Natura 2000 sites (SACs) - Conservation measures and management plans.

Information is provided below on the proportion of SACs for which necessary conservation measures have been established and are applied, in addition to the proportion of SACs for which conservation measures have been set out in either a comprehensive management plan or a similar instrument. The data are calculated as a proportion of the total number of SACs reported.

| Conservation measures status  | Number of SACs | % of total SACs area reported |
|---|----------------|-------------------------------|
| SACs for which necessary conservation measures have been established according to Art.6(1) and are applied        | 23             | 44,1                          |
| SACs for which conservation measures have been set out in a comprehensive management plan or a similar instrument | 48             | 100                           |

**Note:** This table provides information as calculated and reported by the Member States in the frame of reporting under Article 17 of the Habitats Directive. The numbers correspond to the status and areas of the Habitats Directive sites at the end of the reporting period (2018). Although the Article 17 information should be based on the last 2018 submission of the Natura 2000 dataset, these are two separate data flows and discrepancies can occur. For information from the Natura 2000 dataflow please look here: <https://www.eea.europa.eu/data-and-maps/dashboards/natura-2000-barometer>

## 2 General information on habitats and species reported

### 2.1 Number of habitats and species/subspecies

The below table gives the number of habitat types and species/subspecies in each Annex of the Habitats Directive by biogeographical and marine region in the Member State.

Number of habitats and species/sub-species per Member State and per biogeographical/marine region

Member State(s): **LU**

|  | Number of habitats   |                  |               | Number of species     |                   |                |                                      |                                      |                                     |                                     |
|--|----------------------|------------------|---------------|-----------------------|-------------------|----------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|
|  | Annex I non-priority | Annex I priority | Annex I total | Annex II non-priority | Annex II priority | Annex II total | Annex IV excluding those in Annex II | Annex IV including those in Annex II | Annex V excluding those in Annex II | Annex V including those in Annex II |
| Number of habitats and species in the MS | 21                   | 7                | 28            | 23                    | 1                 | 24             | 22                                   | 37                                   | 14                                  | 16                                  |

|             | Number of habitats   |                  | Number of species     |                   |                                      |                                      |                                     |                                     |  |
|-------------|----------------------|------------------|-----------------------|-------------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--|
|             | Annex I non-priority | Annex I priority | Annex II non-priority | Annex II priority | Annex IV excluding those in Annex II | Annex IV including those in Annex II | Annex V excluding those in Annex II | Annex V including those in Annex II |  |
| Continental | 21                   | 7                | 23                    | 1                 | 22                                   | 37                                   | 14                                  | 16                                  |  |

Note: Some Member States have exceptions from one or more Annexes for certain species. These species/reports are not included in the statistics above.

#### Additional information:

#### *Not applicable for habitats*

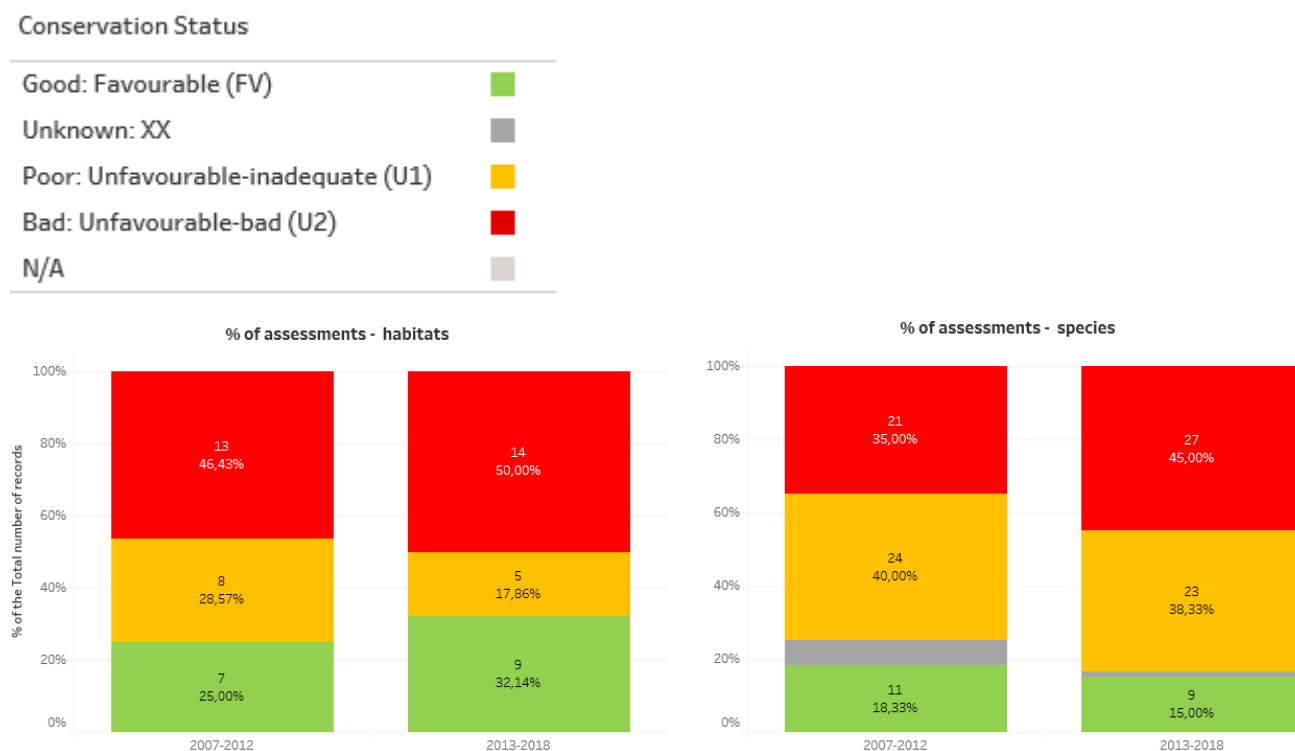
#### Species

|  |   |
|--|---|
| Number of species regionally (within a biogeographical / marine region) extinct prior the Habitats Directive came into force | 4 |
| Number of assessments for marginal and occasional species  | 7 |

### 3 Conservation status & trends

#### 3.1 Overall assessment of conservation status

The figures show the percentage of biogeographical assessments in each category of conservation status for habitats and species for 2007-2012 and 2013-2018 reporting periods. The numbers of assessments in each category of conservation status on which these figures are based are presented in the table below.



The figures shown for 2007-2012 and 2013-2018 are not necessarily directly comparable because many changes in conservation status may be due to changes of methods or to better data rather than reflecting genuine changes.

| Member State | genuine change | non-genuine change | no change |
|--------------|----------------|--------------------|-----------|
| LU           | 21,43%         | 3,57%              | 75,00%    |

| Member State | genuine change | non-genuine change | no change |
|--------------|----------------|--------------------|-----------|
| LU           | 6,67%          | 33,33%             | 60,00%    |

|              | FV    | U1    | U2     | Total   |
|--------------|-------|-------|--------|---------|
| LU 2007-2012 | 7 25% | 8 29% | 13 46% | 28 100% |
| 2013-2018    | 9 32% | 5 18% | 14 50% | 28 100% |

|              | FV     | XX   | U1     | U2     | Total   |
|--------------|--------|------|--------|--------|---------|
| LU 2007-2012 | 11 18% | 4 7% | 24 40% | 21 35% | 60 100% |
| 2013-2018    | 9 15%  | 1 2% | 23 38% | 27 45% | 60 100% |

#### 3.2 Overall trend in conservation status

The figures show the proportion of unfavourable assessments (only U1 and U2) which are improving, deteriorating, stable or unknown. Grey bars represents proportions reported for the reporting period 2007-2012. The numbers of assessments in each category of conservation status trend on which these figures are based are presented in the table below.

## Unfavourable assessment categories

U+: Unfavourable improving

Ux: Unfavourable unknown

U=: Unfavourable stable

U-: Unfavourable decreasing

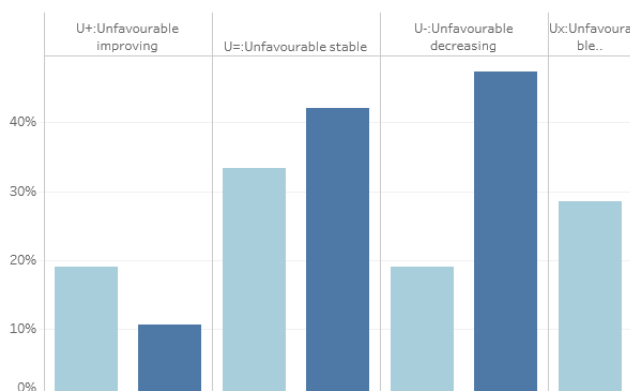
U/NA: Unfavourable-no trend provided

## Reporting period

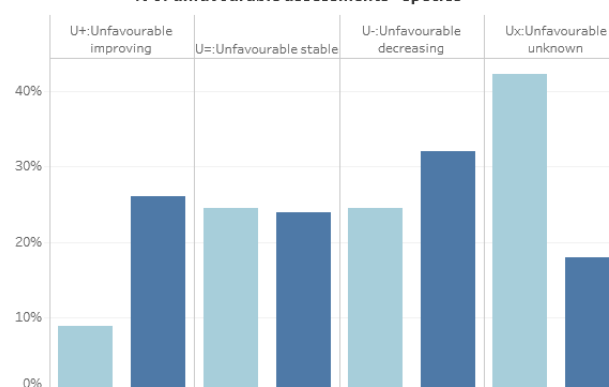
2007-2012

2013-2018

% of unfavourable assessments - habitats



% of unfavourable assessments - species



The figures shown for 2007-2012 and 2013-2018 are not necessarily directly comparable because many changes in conservation status trend may be due to changes of methods or to better data rather than reflecting genuine changes.

Reason for change in trend in conservation status - habitats (%)

| Member State | genuine change | non-genuine change | no change |
|--------------|----------------|--------------------|-----------|
| LU           | 28,57%         | 32,14%             | 39,29%    |

Reason for change in trend in conservation status - species (%)

| Member State | genuine change | non-genuine change | no change |
|--------------|----------------|--------------------|-----------|
| LU           | 36,67%         | 40,00%             | 23,33%    |

Proportion of unfavourable assessments in each category of conservation status trend.

|         |           |    | U+: Unfavourable improving |     | U=: Unfavourable stable |     | U-: Unfavourable decreasing |     | Ux: Unfavourable unknown |     | Total |      |
|---------|-----------|----|----------------------------|-----|-------------------------|-----|-----------------------------|-----|--------------------------|-----|-------|------|
| habitat | 2007-2012 | LU | 4                          | 19% | 7                       | 33% | 4                           | 19% | 6                        | 29% | 21    | 100% |
|         | 2013-2018 | LU | 2                          | 11% | 8                       | 42% | 9                           | 47% |                          |     | 19    | 100% |
| species | 2007-2012 | LU | 4                          | 9%  | 11                      | 24% | 11                          | 24% | 19                       | 42% | 45    | 100% |
|         | 2013-2018 | LU | 13                         | 26% | 12                      | 24% | 16                          | 32% | 9                        | 18% | 50    | 100% |

### 3.3 Overall assessment of conservation status of habitats and species by biogeographical/marine region

The figures show the percentage of assessments in categories of conservation status and conservation status trend (for unfavourable assessments only) by biogeographical and marine region. The numbers of assessments in each category of conservation status and conservation status trend on which these figures are based are presented in the table below.

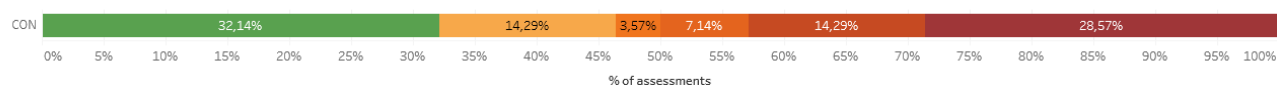
## Conservation status &amp; trend

|                             |   |
|-----------------------------|---|
| FV - Favourable             | <span style="color: green;">■</span>      |
| XX - Unknown                | <span style="color: grey;">■</span>       |
| U1 improving                | <span style="color: yellow;">■</span>     |
| U1 stable/unknown           | <span style="color: orange;">■</span>     |
| U1 decreasing               | <span style="color: darkorange;">■</span> |
| U2 improving                | <span style="color: red;">■</span>        |
| U2 stable/unknown           | <span style="color: darkred;">■</span>    |
| U2 decreasing               | <span style="color: brown;">■</span>      |
| Not applicable/not reported | <span style="color: yellow;">■</span>     |

## Proportion of assessments in categories of conservation status and conservation status trend (for unfavourable assessments only) by biogeographical and marine region

## Habitat - conservation status and trend in conservation status

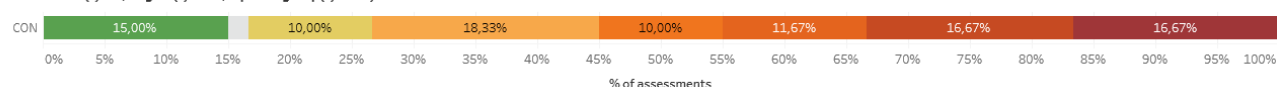
(Member State(s): LU, Region(s): CON, Habitat group(s): Tout)



## Proportion of assessments in categories of conservation status and conservation status trend (for unfavourable assessments only) by biogeographical and marine region

## Species - conservation status and trend in conservation status

(Member State(s): LU, Region(s): CON, Species group(s): Tout)



Stable (=) and unknown (x) trends in conservation status are combined in the bar chart but provided separately in the table below.

## Number of habitat assessments in categories of conservation status and trend in CS

(Country: LU, Region: CON, Habitat group: Tout)

| Region | FV | U1= | U1- | U2+ | U2= | U2- | Total |
|--------|----|-----|-----|-----|-----|-----|-------|
| CON    | 9  | 4   | 1   | 2   | 4   | 8   | 28    |
| Total  | 9  | 4   | 1   | 2   | 4   | 8   | 28    |

Stable (=) and unknown (x) trends in conservation status are combined in the bar chart but provided separately in the table below.

## Number of species assessments in categories of conservation status and trend in CS










(Country: LU, Region: CON, Species group: Tout)

| Region | FV | XX | U1+ | U1x | U1= | U1- | U2+ | U2x | U2- | U2= | Total |
|--------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| CON    | 9  | 1  | 6   | 8   | 3   | 6   | 7   | 1   | 10  | 9   | 60    |
| Total  | 9  | 1  | 6   | 8   | 3   | 6   | 7   | 1   | 10  | 9   | 60    |

## 3.4 Conservation status and trend in conservation status by habitat category/species group

These figures show the percentage of assessments in categories of conservation status and conservation status trend (for unfavourable assessments only) by habitat/species taxonomic group. The numbers of assessments in each category of conservation status and conservation status trend on which these figures are based are presented in the table below.

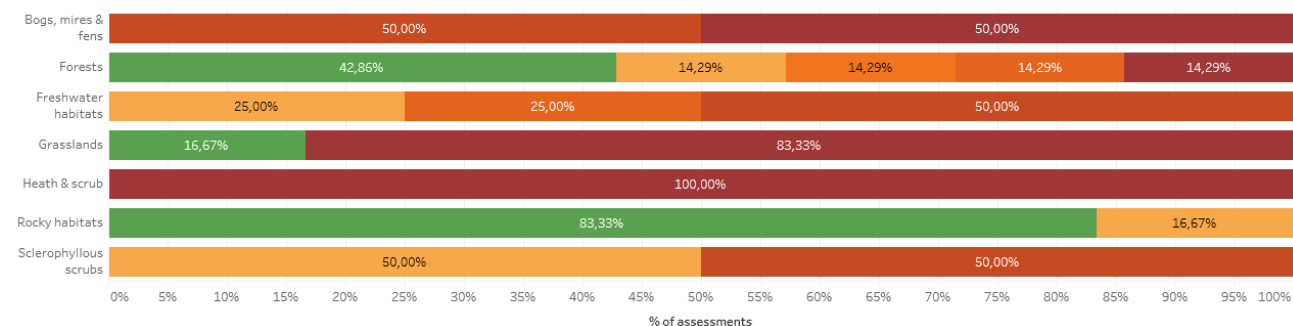
## Conservation status &amp; trend

|                             |   |
|-----------------------------|---|
| FV - Favourable             |  |
| XX - Unknown                |  |
| U1 improving                |  |
| U1 stable/unknown           |  |
| U1 decreasing               |  |
| U2 improving                |  |
| U2 stable/unknown           |  |
| U2 decreasing               |  |
| Not applicable/not reported |  |

## Proportion of assessments in categories of conservation status and conservation status trend (for unfavourable assessments only) by habitat category

## Habitat - conservation status and trend in conservation status

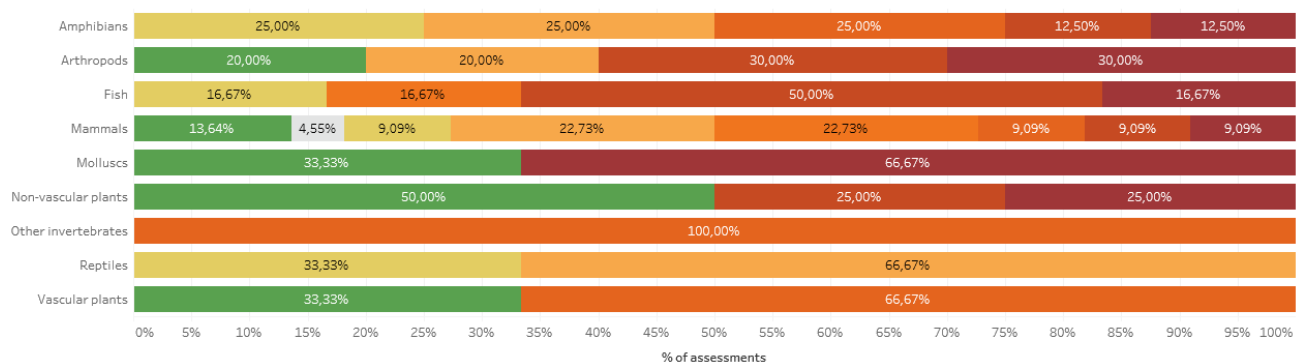
(Member State(s): LU, Region(s): Tout, Habitat group(s): Tout)



## Proportion of assessments in categories of conservation status and conservation status trend (for unfavourable assessments only) by species taxonomic group

## Species - conservation status and trend in conservation status

(Member State(s): LU, Region(s): ALP, ATL, BLS et 11 de plus, Species group(s): Amphibians, Arthropods, Fish et 6 de plus)



Stable (=) and unknown (x) trends in conservation status are combined in the bar chart but provided separately in the table below.

## Number of habitat assessments in categories of conservation status and trend in CS

(Country: LU, Region: Tout, Habitat group: Tout)

|                       | FV       | U1=      | U1-      | U2+      | U2=      | U2-      | Total     |
|-----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Bogs, mires & fens    |          |          |          |          | 1        | 1        | 2         |
| Forests               | 3        | 1        | 1        | 1        |          | 1        | 7         |
| Freshwater habitats   |          | 1        |          | 1        | 2        |          | 4         |
| Grasslands            | 1        |          |          |          |          | 5        | 6         |
| Heath & scrub         |          |          |          |          |          | 1        | 1         |
| Rocky habitats        | 5        | 1        |          |          |          |          | 6         |
| Sclerophyllous scrubs |          | 1        |          |          | 1        |          | 2         |
| <b>Total</b>          | <b>9</b> | <b>4</b> | <b>1</b> | <b>2</b> | <b>4</b> | <b>8</b> | <b>28</b> |



Stable (=) and unknown (x) trends in conservation status are combined in the bar chart but provided separately in the table below.

Number of species assessments in categories of conservation status and trend in CS

(Country: LU, Region: ALP, ATL, BLS et 11 de plus, Species group: Amphibians, Arthropods, Fish et 6 de plus)

|                     | FV       | XX       | U1+      | U1x      | U1=      | U1-      | U2+      | U2x      | U2=      | U2-       | Total     |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| Amphibians          |          |          | 2        | 1        | 1        |          | 2        |          | 1        | 1         | 8         |
| Arthropods          | 2        |          |          | 2        |          |          |          |          | 3        | 3         | 10        |
| Fish                |          |          | 1        |          |          | 1        |          | 1        | 2        | 1         | 6         |
| Mammals             | 3        | 1        | 2        | 4        | 1        | 5        | 2        |          | 2        | 2         | 22        |
| Molluscs            | 1        |          |          |          |          |          |          |          |          | 2         | 3         |
| Non-vascular plants | 2        |          |          |          |          |          |          |          | 1        | 1         | 4         |
| Other invertebrates |          |          |          |          |          |          | 1        |          |          |           | 1         |
| Reptiles            |          |          | 1        | 1        | 1        |          |          |          |          |           | 3         |
| Vascular plants     | 1        |          |          |          |          |          | 2        |          |          |           | 3         |
| <b>Total</b>        | <b>9</b> | <b>1</b> | <b>6</b> | <b>8</b> | <b>3</b> | <b>6</b> | <b>7</b> | <b>1</b> | <b>9</b> | <b>10</b> | <b>60</b> |

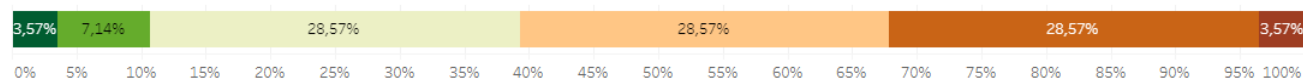
### 3.5 Genuine changes of conservation status and trend

The figures show the percentage of assessments for which conservation status and trend in conservation status changed; either improved or deteriorated. The numbers on which these figures are based are presented in the table below.

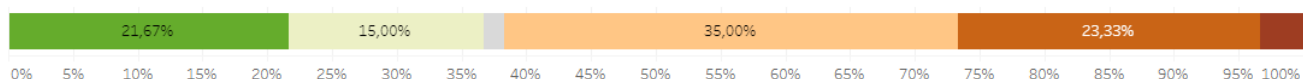
#### Categories of change/no change

|                             |   |
|-----------------------------|---|
| Deteriorated status         | ■ |
| Deteriorating trend         | ■ |
| Unfavourable with no change | ■ |
| Unknown                     | ■ |
| Favourable with no change   | ■ |
| Stabilised trend            | ■ |
| Improved status             | ■ |
| Improving trend             | ■ |

#### Habitats



#### Species



The "improved status", "deteriorated status" and "stabilised trend" categories only include assessments where the main reason for change is 'genuine'. If there was a genuine change in both conservation status and trend the assessment is counted only for a genuine change of conservation status to avoid double counting.

#### Number of habitat assessments with genuine change in conservation status or CS trend\* (\*unfavourable status only)

| Conservation status for 2007-2012 period |    |    | Conservation status trend for 2007-2012 period |   |     |
|--|----|----|--|---|-----|
| Conservation status for 2013-2018 period | U1 | U2 | Conservation status trend for 2013-2018 period | - | + = |
| FV                                       | 1  |    | -  |   |     |
| U1                                       | 1  |    | -  | 2 | 1   |
| U2                                       | 1  | 3  | +  |   | 1   |

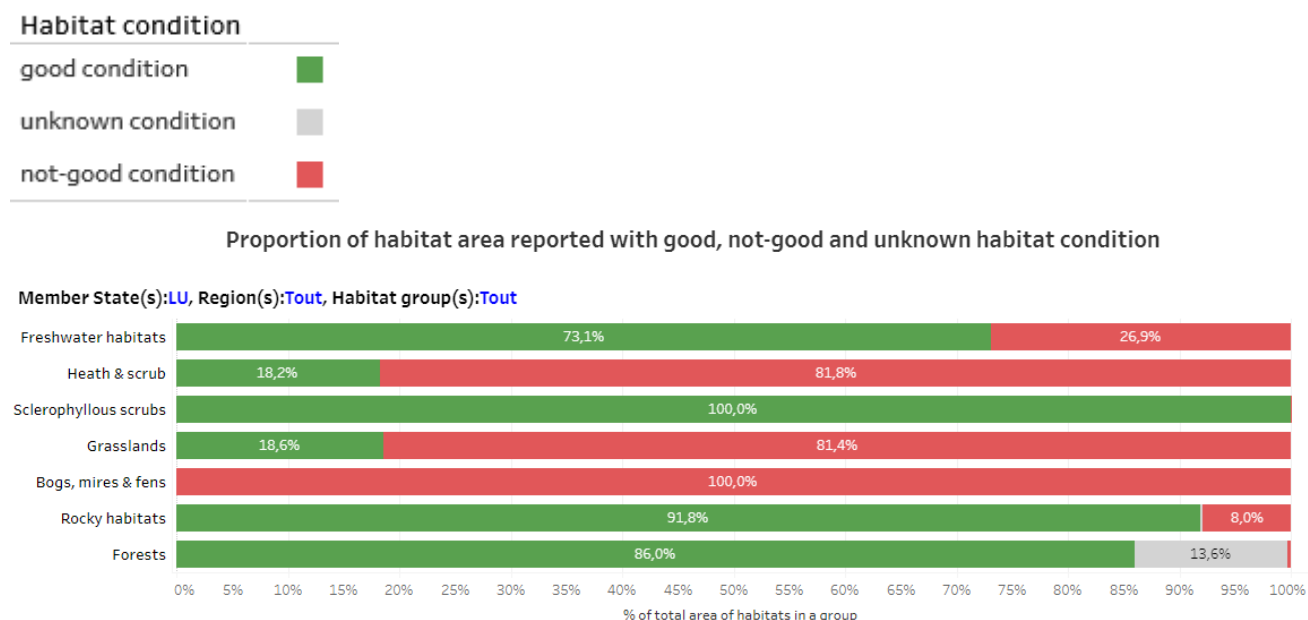
Number of species assessments with genuine change in conservation status or CS trend\*  
(\*unfavourable status only)

| Conservation status for 2007-2012 period    |    |    | Conservation status trend for 2007-2012 period    |   |     |
|---|----|----|---|---|-----|
| Conservation status for<br>2013-2018 period | U1 | U2 | Conservation status trend<br>for 2013-2018 period | - | + = |
| U2  | 2  | 2  | -   | 5 | 3   |
|   |    |    | +   | 2 | 1 2 |

*Specific remarks on species with taxonomical changes (split or merged reports):* in case one species reported in 2012 was split into two or more species in 2018 and all occur within a Member State's biogeographical regions, the 2012 conservation status and its trend are considered 'Not applicable'. Similarly, as for 'Unknown' 2012 status any changes of status or trends are considered non-genuine (the same applies if two species were merged into one).

## 4 Condition of habitat: good / unknown / not good condition

The figure shows the percentage of the total habitat area of habitat types within a habitat group with good, unknown and not good condition of its structure & functions. The total habitat area with good, unknown and not good condition and total habitat area of habitats within a habitat group on which these figures are based are presented in the table below.



The habitats groups correspond to groups as defined in Annex I of the Habitats Directive.

'Unknown condition' should not be interpreted solely as a lack of information on the habitat. It is acknowledged that monitoring may take place but the habitat condition may not be concluded.

Member State(s): **LU**, Region(s): **Tout**

### Total area of habitat (km<sup>2</sup>) in each condition category

| Group                 | good condition | not-good condition | unknown condition | Total  |
|-----------------------|----------------|--------------------|-------------------|--------|
| Freshwater habitats   | 3,97           | 1,46               | 0,00              | 5,43   |
| Heath & scrub         | 0,03           | 0,14               | 0,00              | 0,17   |
| Sclerophyllous scrubs | 0,06           | 0,00               | 0,00              | 0,06   |
| Grasslands            | 27,72          | 121,57             | 0,00              | 149,28 |
| Bogs, mires & fens    | 0,00           | 0,01               | 0,00              | 0,01   |
| Rocky habitats        | 4,33           | 0,38               | 0,01              | 4,72   |
| Forests               | 266,13         | 1,25               | 42,16             | 309,53 |

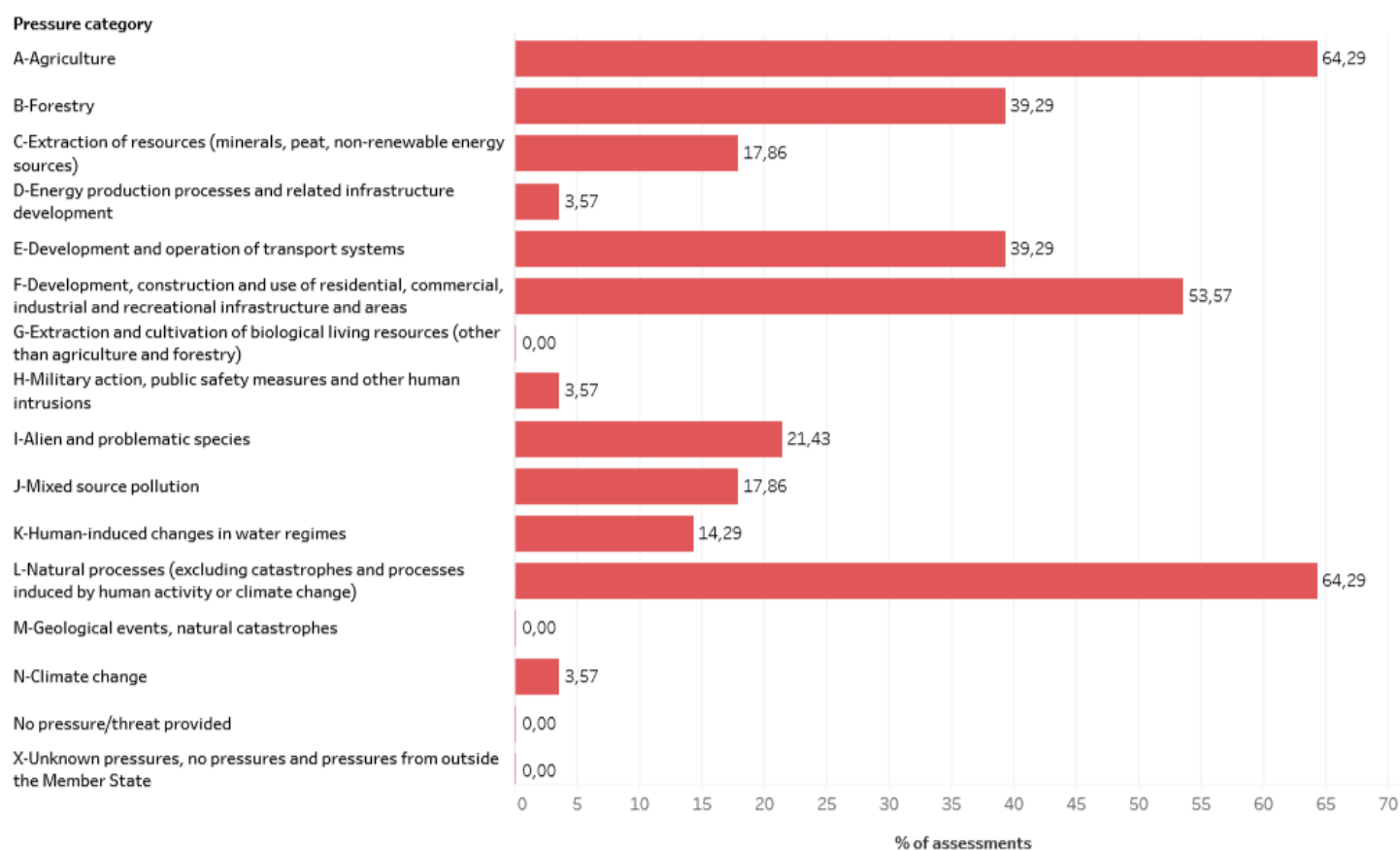
## 5 Main pressures and threats

### 5.1 Frequency of main pressures and threats

The figures below show the percentage of the assessments reported as being affected by one or more pressures/threats (high & medium) under the pressure categories A-N. This information illustrates the relative importance of pressures: currently acting, and threats: expected in near future.

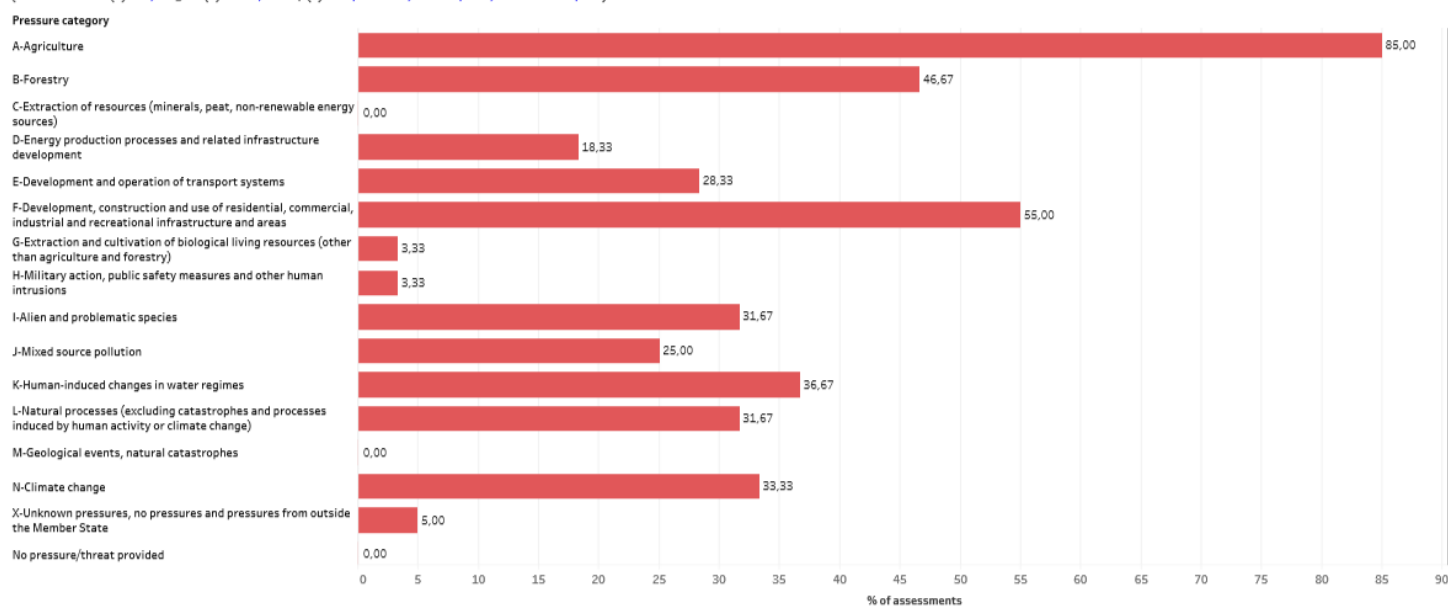
Proportion of habitats assessments reported as being affected by one or more pressure from broad pressure categories

(Member State(s): **LU**, Region(s): **Tout**, Group(s): **Tout**).



## Proportion of species assessments reported as being affected by one or more pressures from broad pressure categories

(Member State(s): LU, Region(s): Tout, Group(s): Amphibians, Arthropods, Fish et 6 de plus).



*Note:* for a comparison of pressures and threats for either species or habitats, please see the online dashboard here.

<https://www.eea.europa.eu/themes/biodiversity/state-of-nature-in-the-eu/article-17-national-summary-dashboards/main-pressures-and-threats>

Member State(s): [LU](#), Region(s): [All](#)

Number of habitats and species assessments reported as being affected by one or more pressures/threats from broad pressure categories

| Pressure category  | Number of habitat assessments |                      | Number of species assessments |                      |
|--|-------------------------------|----------------------|-------------------------------|----------------------|
|  | <i>pressure</i><br>all        | <i>threat</i><br>all | <i>pressure</i><br>all        | <i>threat</i><br>all |
| A-Agriculture  | 18                            | 16                   | 51                            | 51                   |
| B-Forestry   | 11                            | 9                    | 28                            | 25                   |
| C-Extraction of resources (minerals, peat, non-renewable energy sources)   | 5                             | 5                    | 0                             | 0                    |
| D-Energy production processes and related infrastructure development   | 1                             | 1                    | 11                            | 12                   |
| E-Development and operation of transport systems   | 11                            | 3                    | 17                            | 17                   |
| F-Development, construction and use of residential, commercial, industrial and recreational infrastructure and areas | 15                            | 11                   | 33                            | 33                   |
| G-Extraction and cultivation of biological living resources (other than agriculture and forestry)                    | 0                             | 0                    | 2                             | 2                    |
| H-Military action, public safety measures and other human intrusions   | 1                             | 4                    | 2                             | 2                    |
| I-Alien and problematic species  | 6                             | 4                    | 19                            | 20                   |
| J-Mixed source pollution   | 5                             | 5                    | 15                            | 15                   |
| K-Human-induced changes in water regimes   | 4                             | 4                    | 22                            | 22                   |
| L-Natural processes (excluding catastrophes and processes induced by human activity or climate change)               | 18                            | 16                   | 19                            | 19                   |
| M-Geological events, natural catastrophes  | 0                             | 5                    | 0                             | 0                    |
| N-Climate change   | 1                             | 6                    | 20                            | 23                   |
| X-Unknown pressures, no pressures and pressures from outside the Member State  | 0                             | 0                    | 3                             | 4                    |
| No pressure/threat provided  | 0                             | 0                    | 0                             | 0                    |

## 6 Natura 2000 coverage

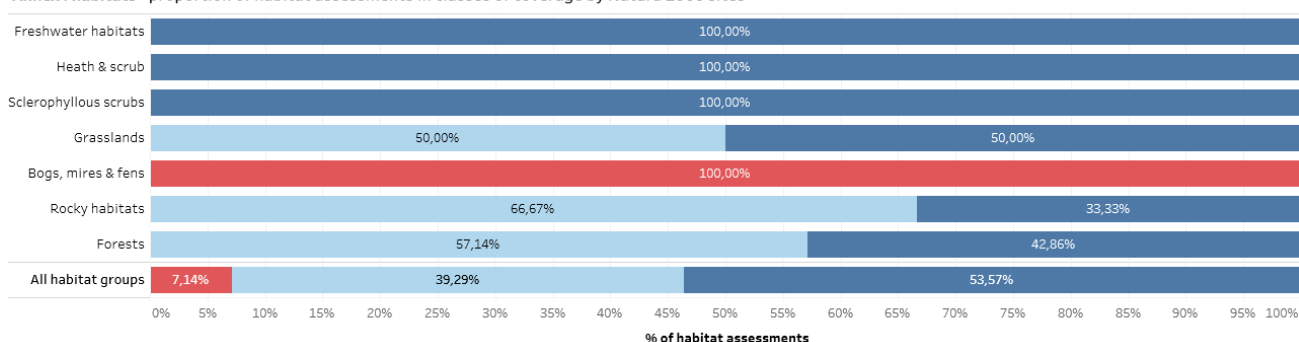
### 6.1 Coverage of habitat types and species by the Natura 2000 network

The figures show the percentage of habitats/species assessments by group in three classes based on their coverage by the Natura 2000 network. The numbers of assessments in three classes of coverage by Natura 2000 sites on which these figures are based are presented in the table below.

#### Natura 2000 coverage classes



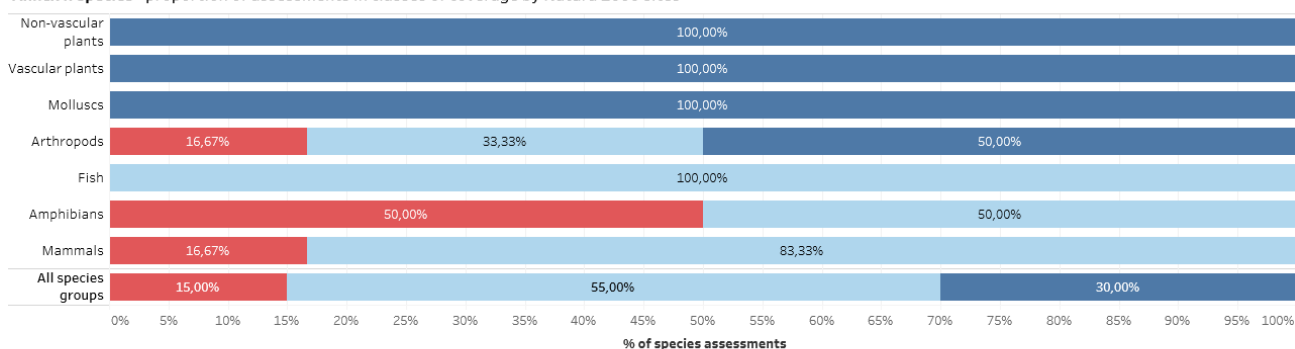
#### Annex I habitats - proportion of habitat assessments in classes of coverage by Natura 2000 sites



The figure excludes the habitats for which the coverage by Natura 2000 sites is unknown, these are provided in the table below.

'Unknown' includes cases where the coverage by Natura 2000 sites is unknown (e.g. overall habitat area and/or habitat area within the Natura 2000 network were not reported) or the calculated proportions between overall habitat area and habitat area within the Natura 2000 network were bigger than 100%.

#### Annex II species - proportion of assessments in classes of coverage by Natura 2000 sites



The figure excludes the species for which the coverage by Natura 2000 sites is unknown, these are provided in the table below.

'Unknown' includes cases where the coverage by Natura 2000 sites is unknown (e.g. overall population size and/or population size within the Natura 2000 network were not reported) or the calculated proportions between overall population size and population size within the Natura 2000 network were bigger than 100%.

**Annex I habitats** - number of habitat assessments in classes of coverage by Natura 2000 sites





|                       | 0-35% | 35-75% | 75-100% | Total |
|-----------------------|-------|--------|---------|-------|
| Freshwater habitats   |       |        | 4       | 4     |
| Heath & scrub         |       |        | 1       | 1     |
| Sclerophyllous scrubs |       |        | 2       | 2     |
| Grasslands            |       | 3      | 3       | 6     |
| Bogs, mires & fens    | 2     |        |         | 2     |
| Rocky habitats        |       | 4      | 2       | 6     |
| Forests               |       | 4      | 3       | 7     |
| All habitat groups    | 2     | 11     | 15      | 28    |

**Annex II species** - Number of species assessments in classes of coverage by Natura 2000 sites

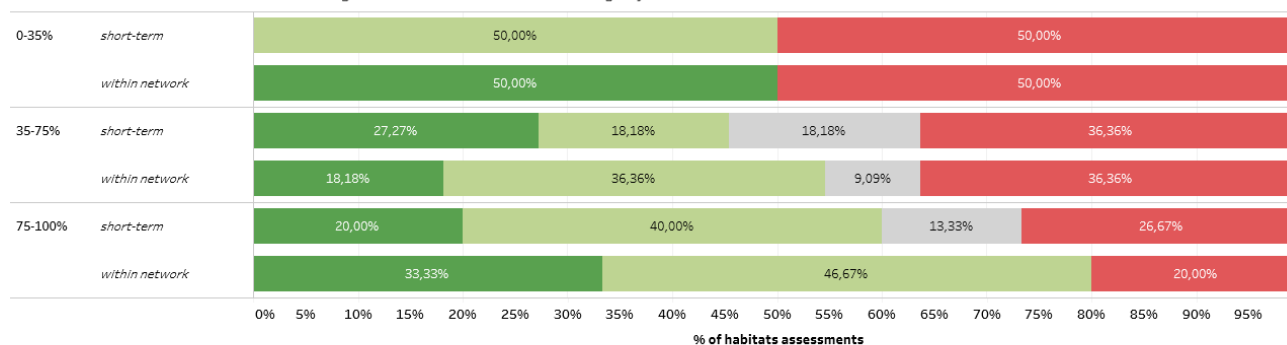
|                     | 0-35% | 35-75% | 75-100% | unknown | Total |
|---------------------|-------|--------|---------|---------|-------|
| Non-vascular plants |       |        | 1       |         | 1     |
| Vascular plants     |       |        | 1       |         | 1     |
| Molluscs            |       |        | 1       | 1       | 2     |
| Arthropods          | 1     | 2      | 3       |         | 6     |
| Fish                |       | 3      |         | 1       | 4     |
| Amphibians          | 1     | 1      |         |         | 2     |
| Mammals             | 1     | 5      |         | 2       | 8     |
| All species groups  | 3     | 11     | 6       | 4       | 24    |

## 6.2 Population trend and trend in habitat area with good condition within the Natura 2000 network in comparison to overall trends

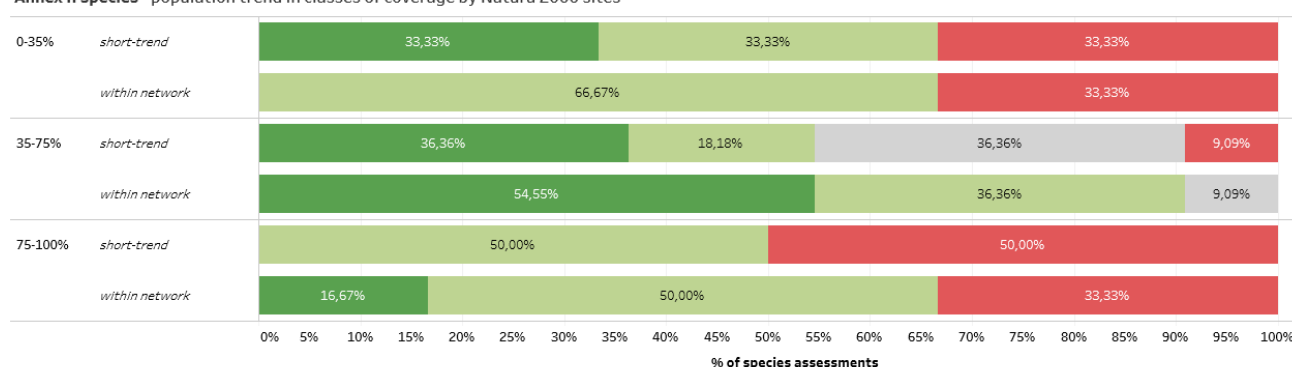
The figures show the percentage of habitats/species assessments with increasing, stable, unknown and decreasing trends in classes based on coverage by Natura 2000 sites. Trends concern the habitat area with good condition/population trends within the Natura 2000 network and overall. The numbers of assessments on which these figures are based are presented in the table below.

| Trend      |   |
|------------|---|
| increasing |  |
| stable     |  |
| unknown    |  |
| decreasing |  |



**Annex I habitat** - trend in area of habitat in good condition in classes of coverage by Natura 2000 sites

The figure excludes the habitats for which the coverage by Natura 2000 sites is unknown; these are provided in the table below.

**Annex II species** - population trend in classes of coverage by Natura 2000 sites

The figure excludes the species for which the coverage by Natura 2000 sites is unknown; these are provided in the table below.

**Annex I habitats** - number of habitat assessments per category of 'trend of area of habitat in good condition'

| Natura 2000 coverage classes | Trend Type            | increasing | stable | unknown | decreasing |
|------------------------------|-----------------------|------------|--------|---------|------------|
| <b>0-35%</b>                 | <i>short-term</i>     |            | 1      |         | 1          |
|                              | <i>within network</i> | 1          |        |         | 1          |
| <b>35-75%</b>                | <i>short-term</i>     | 3          | 2      | 2       | 4          |
|                              | <i>within network</i> | 2          | 4      | 1       | 4          |
| <b>75-100%</b>               | <i>short-term</i>     | 3          | 6      | 2       | 4          |
|                              | <i>within network</i> | 5          | 7      |         | 3          |

**Annex II species** - number of species assessments per category of population trend

| Natura 2000 coverage classes | Trend Type            | increasing | stable | unknown | decreasing |
|------------------------------|-----------------------|------------|--------|---------|------------|
| <b>0-35%</b>                 | <i>short-trend</i>    | 1          | 1      |         | 1          |
|                              | <i>within network</i> |            | 2      |         | 1          |
| <b>35-75%</b>                | <i>short-trend</i>    | 4          | 2      | 4       | 1          |
|                              | <i>within network</i> | 6          | 4      | 1       |            |
| <b>75-100%</b>               | <i>short-trend</i>    |            | 3      |         | 3          |
|                              | <i>within network</i> | 1          | 3      |         | 2          |
| <b>unknown</b>               | <i>short-trend</i>    |            | 3      |         | 1          |
|                              | <i>within network</i> |            | 3      |         | 1          |

## 7 Conservation measures

### 7.1 Information on the status of measures

The table summarises the 'status of measures' category for each habitat and species report. The data are presented as whole numbers and a percentage of the total number of reports (per habitats or species).

|                                   | Number/% of assessments with: |        |                     |       |
|-----------------------------------|-------------------------------|--------|---------------------|-------|
|                                   | measures needed and taken     |        | measures not needed |       |
| <b>Habitats</b>                   | 28                            | 100,0% |                     |       |
| <b>Annex II and/or IV species</b> | 23                            | 50,0%  | 23                  | 50,0% |

### 7.2 Main purpose of the measures taken

The table shows the number and percentage of the assessments for each of the categories of 'main purpose of measures taken'.

| Number/% of habitat assessments with measures taken to mainly: |                             |       |  |       |                                     |       |   |        |
|--|-----------------------------|-------|--|-------|-------------------------------------|-------|---|--------|
|  | maintain the current status |       | increase the surface area of the habitat |       | restore the structure and functions |       | total number of assessments with measures taken |        |
| Habitats   | 5                           | 17,9% | 9  | 32,1% | 14                                  | 50,0% | 28  | 100,0% |

| Number/% of species assessments with measures taken to mainly: |                             |       |                          |       |  |      |                                    |       |  |        |
|--|-----------------------------|-------|--------------------------|-------|--|------|------------------------------------|-------|--|--------|
|  | maintain the current status |       | expand the current range |       | increase the population size and/or improve dyna.. |      | restore the habitat of the species |       | total number of assessments with measu.. |        |
| Annex II species   | 7                           | 30,4% | 4                        | 17,4% | 2  | 8,7% | 10                                 | 43,5% | 23                                       | 100,0% |

### 7.3 Location of measures

The table shows the number and percentage of the assessments with measures taken mainly inside or outside the Natura 2000 network or both.

|                         | Number/% of assessments with:                |      |                                  |        |
|-------------------------|--|------|----------------------------------|--------|
|                         | measures mainly inside the Natura 2000 sit.. |      | measures both inside and outside |        |
| <b>Habitats</b>         |  |      | 28                               | 100,0% |
| <b>Annex II species</b> | 2  | 8,7% | 21                               | 91,3%  |

Information on conservation measures was only mandatory for Annex II species but Explanatory notes and guidelines encourage it for Annex IV species. If this information was provided for Annex IV species it is also included in the statistics.

### 7.4 Main conservation measures

The figures (separate figure for habitats and for species) show the percentages of the assessments with measure taken per measure category. The numbers of assessments on which these figures are based are presented in the table below the figures.

|  | Number/% of habitat assessments |               | Number/% of species assessments |               |
|--|---------------------------------|---------------|---------------------------------|---------------|
| CA - Agriculture and agriculture-related habitats                                    | 14                              | 21,2%         | 17                              | 21,3%         |
| CB - Forestry and forestry-related habitats  | 11                              | 16,7%         | 17                              | 21,3%         |
| CC - Resources extraction and energy production                                      |                                 |               | 1                               | 1,3%          |
| CE - Development and operation of transport systems                                  | 3                               | 4,5%          | 2                               | 2,5%          |
| CF - Residential, commercial, industrial and recreational infrastructures/activities | 10                              | 15,2%         | 11                              | 13,8%         |
| CI - Alien and problematic native species  | 3                               | 4,5%          | 6                               | 7,5%          |
| CJ - Mixed source pollution and changes in hydraulic conditions for several uses     | 4                               | 6,1%          | 7                               | 8,8%          |
| CL - Natural processes, geological events and natural catastrophes                   | 14                              | 21,2%         | 1                               | 1,3%          |
| CN - Climate change  |                                 |               | 2                               | 2,5%          |
| CS - Management of species from the nature directives and other native species       | 7                               | 10,6%         | 14                              | 17,5%         |
| CX - Outside the Member State  |                                 |               | 1                               | 1,3%          |
| N/P - Not reported   |                                 |               | 1                               | 1,3%          |
| <b>Total</b>   | <b>66</b>                       | <b>100,0%</b> | <b>80</b>                       | <b>100,0%</b> |

Information on conservation measures is only mandatory for Annex II species but Explanatory notes and guidelines encourage to provide it also for Annex IV species. Where this information has been provided the filter labelled 'Annex' can be used.

## 8 Information on Annex V species

### 8.1 Exploitation of Annex V species

The table provides the number of Annex V species in the Member State, number of Annex V species which are taken in the wild/exploited and number of species being taken/exploited which are in unfavourable status in at least one region.

| Group               | Number of Annex V species | Number of species which are taken in the wild/exploited | Number of species being taken/exploited which are in unfavourable status in at least one region |
|---------------------|---------------------------|---|---|
| Non-vascular plants | 3                         |   |   |
| Vascular plants     | 2                         |   |   |
| Molluscs            | 2                         | 1   |   |
| Arthropods          | 1                         |   |   |
| Fish                | 3                         | 1   | 1   |
| Amphibians          | 2                         |   |   |
| Mammals             | 2                         |   |   |
| Other invertebrates | 1                         |   |   |
| <b>Total</b>        | <b>16</b>                 | <b>2</b>  | <b>1</b>  |

## 9 Data quality and completeness

### 9.1 Proportion of mandatory information that is missing or reported as unknown

The tables give percentages of assessments with unknown or missing information for components of conservation status for 2007-2012 and 2013-2018 periods. The aim of this section is to provide an overview of the evolution of completeness of the reports.

| Type of mandatory information                                      | % of habitat assessments with missing and unknown information |
|--|---|
| Distribution map   | 0%  |
| Range surface area   | 0%  |
| Short-term range trend   | 0%  |
| Favourable reference range   | 0%  |
| Area covered by habitat  | 0%  |
| Short-term trend of area covered by habitat                        | 0%  |
| Favourable reference area  | 0%  |
| Condition of habitat   | 4%  |
| Short-term trend of habitat area in good condition                 | 14%   |
| Future prospects of range  | 0%  |
| Future prospects of habitat area                                   | 0%  |
| Future prospects of structure and functions                        | 0%  |
| Status of range  | 0%  |
| Status of habitat area   | 0%  |
| Status of structure and functions (including typical species)      | 0%  |
| Status of future prospects   | 0%  |
| Overall conservation status  | 0%  |
| Overall trend in conservation status                               | 0%  |
| Pressures and threats  | 0%  |
| Surface area of the habitat inside the network                     | 0%  |
| Short-term trend of habitat area in good condition within the ne.. | 4%  |
| Member State average   | 1%  |

| Type of mandatory information              | % of species assessments with missing and unknown information |
|--|---|
| Distribution map                           | 5%  |
| Range surface area                         | 0%  |
| Short-term range trend                     | 10%   |
| Favourable reference range                 | 0%  |
| Population size                            | 0%  |
| Short-term population trend                | 25%   |
| Favourable reference population            | 3%  |
| Sufficiency of occupied habitat            | 5%  |
| Sufficiency of unoccupied habitat          | 15%   |
| Short-term habitat trend                   | 18%   |
| Future prospects of range                  | 5%  |
| Future prospects of population             | 20%   |
| Future prospects of habitat of the species | 8%  |
| Status of range                            | 0%  |
| Status of population                       | 5%  |
| Status of habitat of the species           | 2%  |
| Status of future prospects                 | 8%  |
| Overall conservation status                | 2%  |
| Overall trend in conservation status       | 17%   |
| Pressures and threats                      | 2%  |
| Population size inside the network         | 0%  |
| Population trend within the network        | 4%  |
| Member State average                       | 7%  |

## 9.2 Methods used to estimate values or trends in Member State reports

For some parameters and trends, the report format requires an indication of which of three methods have been used to estimate the values or trends. The tables provide the percentage of habitats/species assessments for which values were estimated by each of three methods.

| Parameter                            | % of habitats assessments |               |                |                   |
|--------------------------------------|---------------------------|---------------|----------------|-------------------|
|                                      | Complete survey           | Extrapolation | Expert opinion | Insufficient data |
| <b>Map</b>                           | 100 %                     |               |                |                   |
| <b>Range trend</b>                   |                           | 100 %         |                |                   |
| <b>Area</b>                          | 7 %                       | 93 %          |                |                   |
| <b>Area trend</b>                    | 4 %                       | 82 %          | 14 %           |                   |
| <b>Condition of habitat</b>          | 11 %                      | 86 %          | 4 %            |                   |
| <b>Structure and functions trend</b> | 4 %                       | 82 %          | 11 %           | 4 %               |
| <b>Area within Natura 2000</b>       | 4 %                       | 93 %          | 4 %            |                   |
| <b>Trend within Natura 2000</b>      |                           | 89 %          | 11 %           |                   |
| <b>Member State average</b>          | 16 %                      | 78 %          | 5 %            | 0 %               |

| Parameter                            | % of species assessments |               |                |                   |
|--------------------------------------|--------------------------|---------------|----------------|-------------------|
|                                      | Complete survey          | Extrapolation | Expert opinion | Insufficient data |
| <b>Map</b>                           | 20 %                     | 53 %          | 22 %           | 5 %               |
| <b>Range trend</b>                   | 18 %                     | 55 %          | 20 %           | 7 %               |
| <b>Population size</b>               | 20 %                     | 57 %          | 23 %           |                   |
| <b>Population trend</b>              | 15 %                     | 45 %          | 27 %           | 13 %              |
| <b>Habitat sufficiency</b>           | 8 %                      | 43 %          | 45 %           | 3 %               |
| <b>Habitat trend</b>                 | 7 %                      | 33 %          | 47 %           | 13 %              |
| <b>Population within Natura 2000</b> | 25 %                     | 67 %          | 8 %            |                   |
| <b>Trend within Natura 2000</b>      | 29 %                     | 42 %          | 29 %           |                   |
| <b>Member State average</b>          | 16 %                     | 49 %          | 29 %           | 6 %               |



## Appendix

### 1 Source of information

Member State reported data on conservation status of habitat types and species (Article 17, Habitats Directive 92/43/EEC).

Member State reported data can be accessed here:

[http://cdr.eionet.europa.eu/ReportekEngine/searchdataflow?dataflow\\_uris=http%3A%2F%2Frod.eionet.europa.eu%2Fobligations%2F269&years%3Aint%3Aignore\\_empty=&partofyear=&reportingdate\\_start%3Adate%3Aignore\\_empty=2019%2F01%2F04&reportingdate\\_end%3Adate%3Aignore\\_empty=&country=&release\\_status=anystatus&sort\\_on=reportingdate&sort\\_order=reverse&batch\\_size=](http://cdr.eionet.europa.eu/ReportekEngine/searchdataflow?dataflow_uris=http%3A%2F%2Frod.eionet.europa.eu%2Fobligations%2F269&years%3Aint%3Aignore_empty=&partofyear=&reportingdate_start%3Adate%3Aignore_empty=2019%2F01%2F04&reportingdate_end%3Adate%3Aignore_empty=&country=&release_status=anystatus&sort_on=reportingdate&sort_order=reverse&batch_size=)

### 2 Online dashboards

The online dashboards can be accessed here:

<https://www.eea.europa.eu/themes/biodiversity/state-of-nature-in-the-eu/article-17-national-summary-dashboards>

The appearance of the online dashboards may differ slightly to this printed version but the data behind are the same.

### 3 General Methodology

#### General methods for Article 17 National Summaries

National Summaries include basic statistics and an overview of the main results from Member States' Article 17 reports and are based on information reported by Member States in their national reports for the period 2013-2018.

The statistics for conservation status, overall trend in conservation status, pressures and threats, conservation measures and Natura 2000 are based on the reported information for the following habitats/species categories:

| Species/habitat category <sup>1</sup>          | Statistics on conservation status and trends      | Other statistics (on pressures and threats, conservation measures and on Natura 2000 coverage and trends) |
|--|---|---|
| Habitats/species present regularly (PRE & TAX) | included Counted as missing if no report provided | included  |

<sup>1</sup> Following definition of categories provided in the 'Explanatory notes and guidelines' (<https://circabc.europa.eu/d/a/workspace/SpacesStore/5b74d59f-c82e-424a-8070-bf190fdcf990/Reporting%20guidelines%20Article%2017%20final%20May%202017.docx0>) under Occurrence categories used in the species checklist p. 100-103 and Occurrence categories used in the habitat checklist p. 151

|   |   |                       |
|---|---|-----------------------|
| <b>Species extinct after entry into force of the Habitats Directive (EXa)</b> <sup>2</sup>  | included Counted as missing if no report provided                     | included if available |
| <b>Species extinct prior to entry into force of the Habitats Directive (EXp)</b> in case there is a restoration project or recent signs of recolonisation for species of particular interest <sup>3</sup> | included if available<br>NOT counted as missing if no report provided | included if available |

Only the reports for habitats and species in the categories above will be later used to produce analyses and assessments feeding to e.g. EEA's State of Nature Report or Commission's Composite Report, and therefore only these will be included in the statistics in National Summaries.

The reports for habitats and species for which the guidelines do not request the assessment of conservation status will not be taken into account in the National Summaries statistics. This includes:

- marginal habitats and species (**MAR**);
- occasional (**OCC**) and newly arriving (**ARR**) species;
- reports for species regionally extinct before the Habitats Directive came into force (**EXp**) excluding the case of applied restoration projects and recent signs of recolonisation - see above;
- potential reports for habitats and species with uncertain occurrence (**SCR**, scientific reserve) that give only general information related to habitat/species without evaluation of the conservation status;
- any redundant reports e.g. provided for both marine and terrestrial regions for habitats and species for which only one, either terrestrial or marine report was expected;
- reports for individual species of *Cladonia*, *Lycopodium*, *Sphagnum* spp (or other optional reports) submitted in addition to mandatory genus level reports.

<sup>2</sup> According to 'Explanatory notes and guidelines', the assessment of conservation status in Section 11 'Conclusions' should be provided for these species. The overall conservation status should be assessed as 'unfavourable-bad'

<sup>3</sup> According to 'Explanatory notes and guidelines', a reporting is mandatory for these species and whenever possible the assessment of conservation status in Section 11 'Conclusions' should be provided.