I.19 CAP Indicator *"Enhancing biodiversity protection: Percentage of species and habitats of Community interest related to agriculture with stable or increasing trends"*

Why?

Contribute to monitor the post-2020 Common Agricultural Policy (CAP) Key objective:

"Contribute to the protection of biodiversity, enhance ecosystem services and preserve habitats and landscapes"

How?

Use the latest Member-States (EU 27) reporting data under Habitat Directive (Art 17 for the period 2012-2018) to show the proportion of Species and Habitats of Community interest related to agriculture with stable or increasing Conservation trends

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# National Assessments of Habitats and Species of Community interest

- *"Conservation status" and "Conservation trends"*

Each protected species and habitat are assessed by Member States at the level of the EU biogeographical regions:

✓ **Conservation status:** *Favourable [FV], Unfavourable inadequate [U1], Unfavourable bad [U2]), Unknown [XX]*

✓ **Conservation trends:** *Increasing [+], Deteriorating [-], Stable [=] or Unknown [x]*

> **The use of "trends" of the overall Conservation status have been required to allow more subtle changes of the categories to be identified.**

➤ Show the proportion of **assessments with Stable [=] or Increasing [+] Conservation trends**

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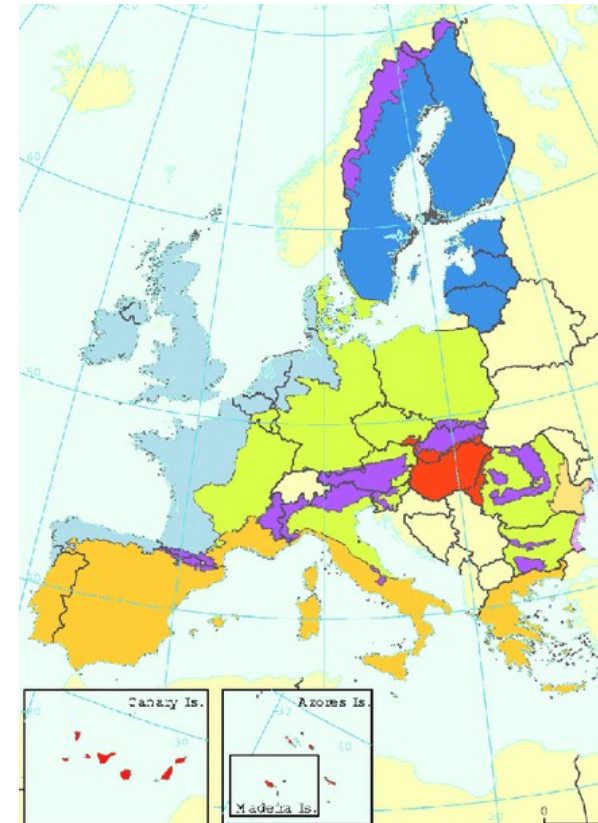
Habitats and Species of Community interest related to agriculture

- *Identifying species and habitats of Community interest associated to agriculture in each Member State*

Based on the "Farming for Natura 2000" report (European Commission, 2014) and ETC/BD expertise:

- ✓ **Key farmland Annex I habitat types,** *considered to be dependent on or associated with extensive agricultural practices*
  - ✓ *including "Coastal and halophytic habitats", "Natural and semi-natural grasslands", "heath and scrub", "bogs and fens" or "Wooded pastures and meadows"*

- ✓ **Key species of Community interest associated with farmland,** *species or subspecies that are associated with agro-ecosystems or grassland ecosystems and dependent on the continuation of extensive traditional farming practices for their survival in the EU*
  - ✓ *The majority of them are associated with grassland*

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List of Habitats for I.19 CAP indicator

- ***2019-2020 MS consultations***

➢ End of 2019, a first list of habitats related to agriculture (V2019) was proposed to MS for validation

➢ Early 2020, this list was revised by ETC/BD (V2020)

  ➢ *resulting from removing the criterion "the habitat should represent in the MS at least 10% of its overall EU distribution within the same biogeographical region"*

Status at present:

➢ 777 habitat records* can be considered as validated

➢ 210 habitat records are still not validated

  ✓ *134 'NH' records (New Habitat): Habitat code in V2020 not listed in V2019 in any biogeographic region*

  ✓ *76 'SH' records (Same Habitat new region): habitat code listed in both V2019 and V2020 lists for the same MS, but in further biogeographical regions in V2020*

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* a record is 1 habitat assessed in 1 MS in 1 BGR

List of Species for I.19 CAP indicator

- *2019-2020 MS consultation*

- ➢ 912 species records* submitted to MS
    - → 1069 species records validated
        - *About 400 species records added*
        - *About 200 species records deleted*

    - ▪ 8 MS **deleted about 20 species records**
    - ▪ 4 others **deleted between 5 and 10 species records**
    - ▪ 12 MS **added more than 10 species records**

* a record is 1 species assessed in 1 MS in 1 BGR

List of Species for I.19 CAP indicator

- *2019-2020 MS consultation*

- *New expert review: "strict" and "broad" species*

➢ 912 species records* submitted to MS
  → 1069 species records validated
  - *About 400 species records added*
  - *About 200 species records deleted*

- 8 MS **deleted about 20 species records**
- 4 others **deleted between 5 and 10 species records**
- 12 MS **added more than 10 species records**

"Strict" species:
- ✓ *Species having agroecosystems as main habitats*
- ✓ *Their existence depends on agriculturally managed habitats*

"Broad" species:
- ✓ *Species occurring within agriculturally managed habitats but also in other habitat types that are not under regular agricultural management*
- ✓ *Those species can usually survive in different habitats*

Species strictly related to managed agricultural habitats: 216 records*
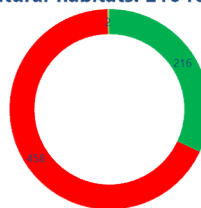
Species broadly related to managed agricultural habitats: 563 records*
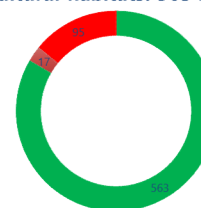
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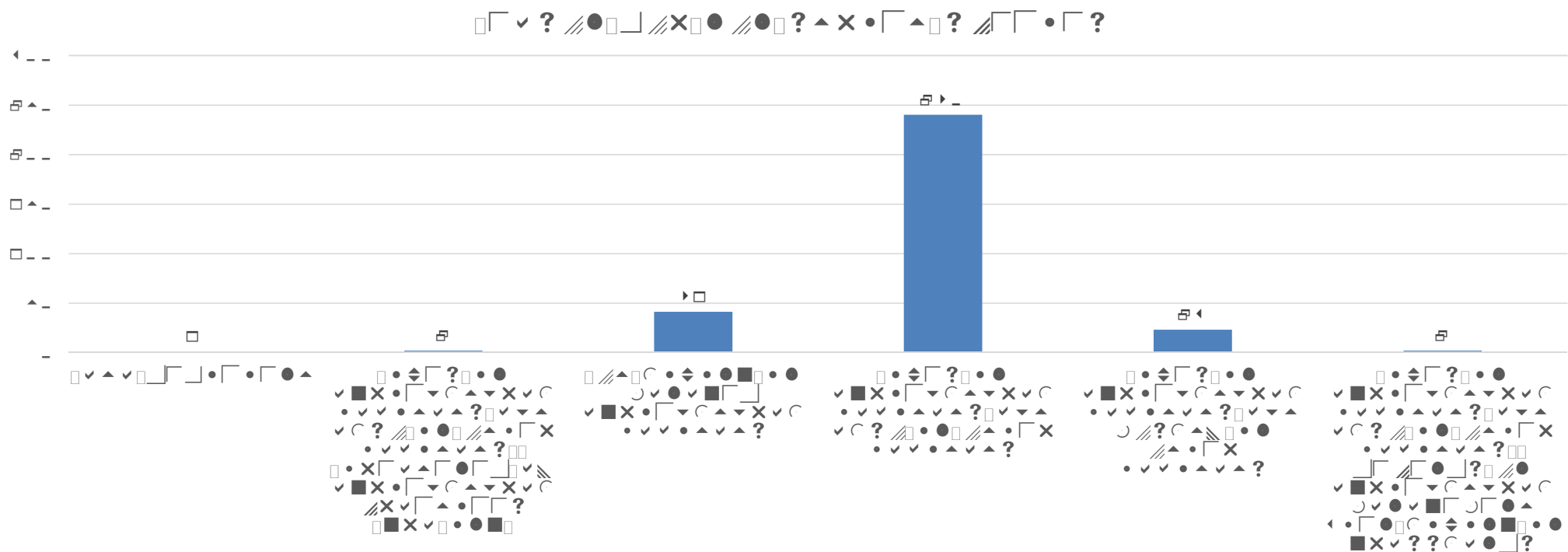European Topic Centre on
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* a record is 1 species assessed in 1 MS in 1 BGR

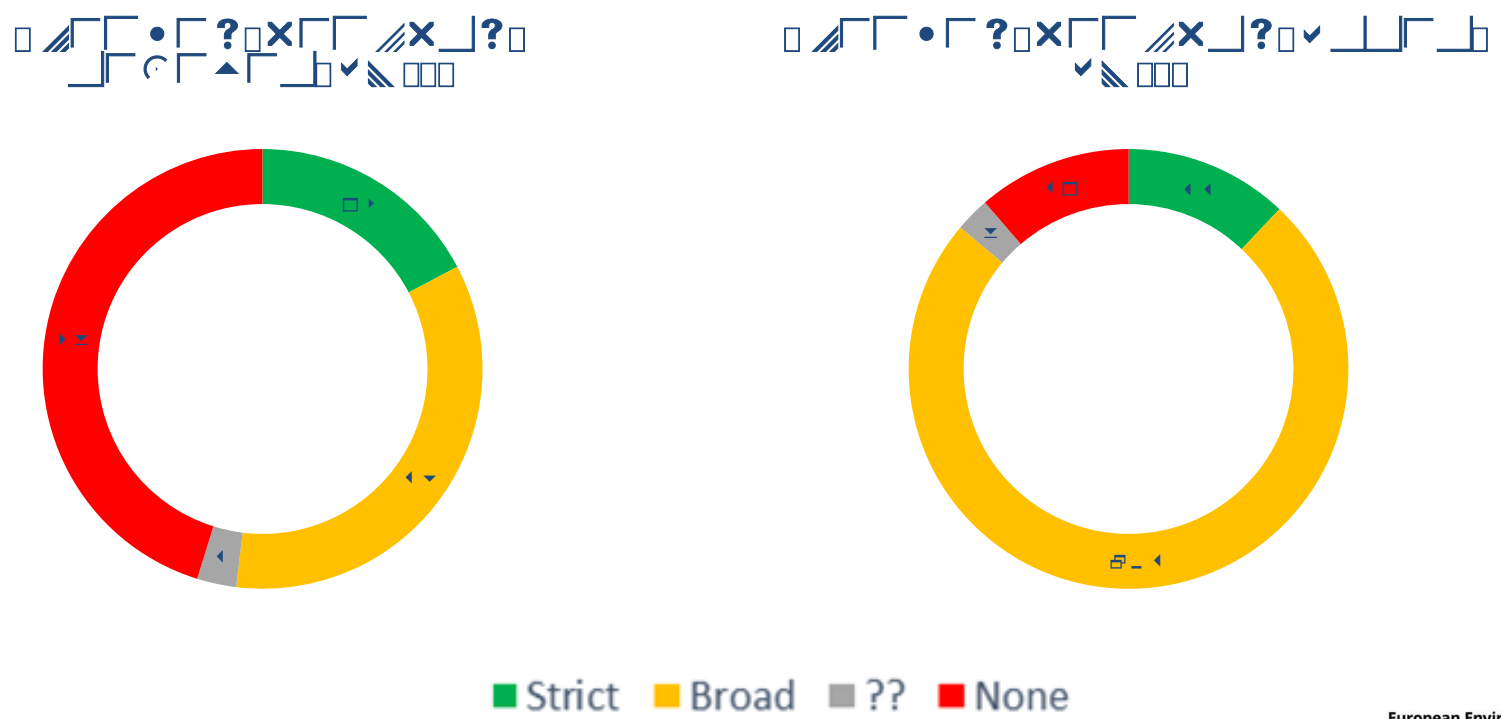** a record is **1 species** assessed in **1 BGR** at **EU level***

List of Species for I.19 CAP indicator

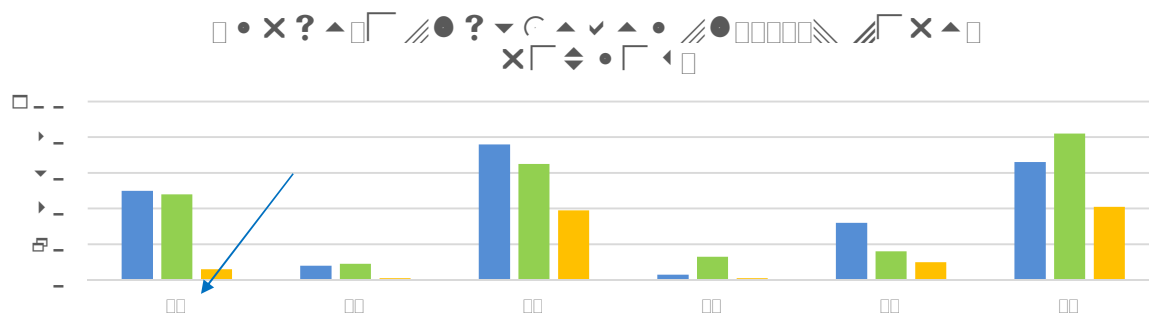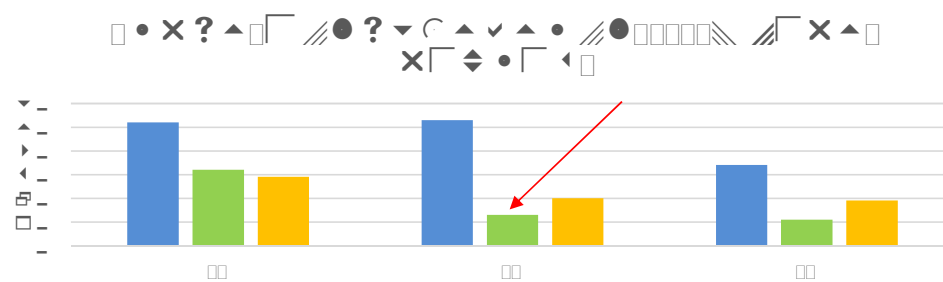- *New expert review: "strict" and "broad" species records*
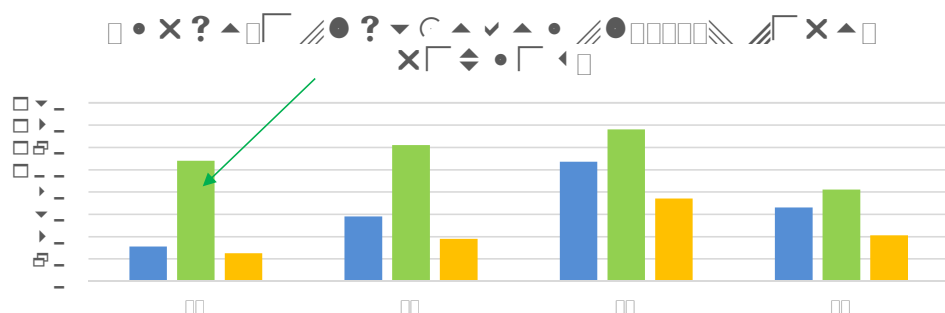
List of Species for I.19 CAP indicator

- *New expert review: "strict" species records*

Strict ■ Broad ■ ?? ■ None

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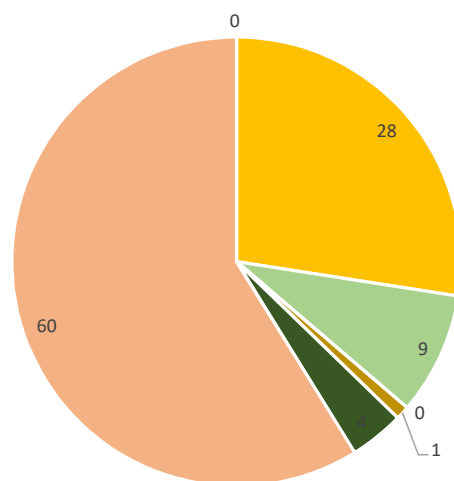
List of Species for I.19 CAP indicator

- *First consultation and Expert review comparison*

List of Species for I.19 CAP indicator

- *New expert review: "strict" species
  by Taxonomic groups (species name)*

Tax group of "strict" species

*Only **6 Amphibians** and **3 molluscs** species were initially listed*

They can all be classified as "broad" species

Legend:
- Amphibians
- Arthropods
- Mammals
- Molluscs
- Non-vascular plants
- Reptiles
- Vascular plants

Pie values: 0, 28, 9, 0, 1, 4, 60

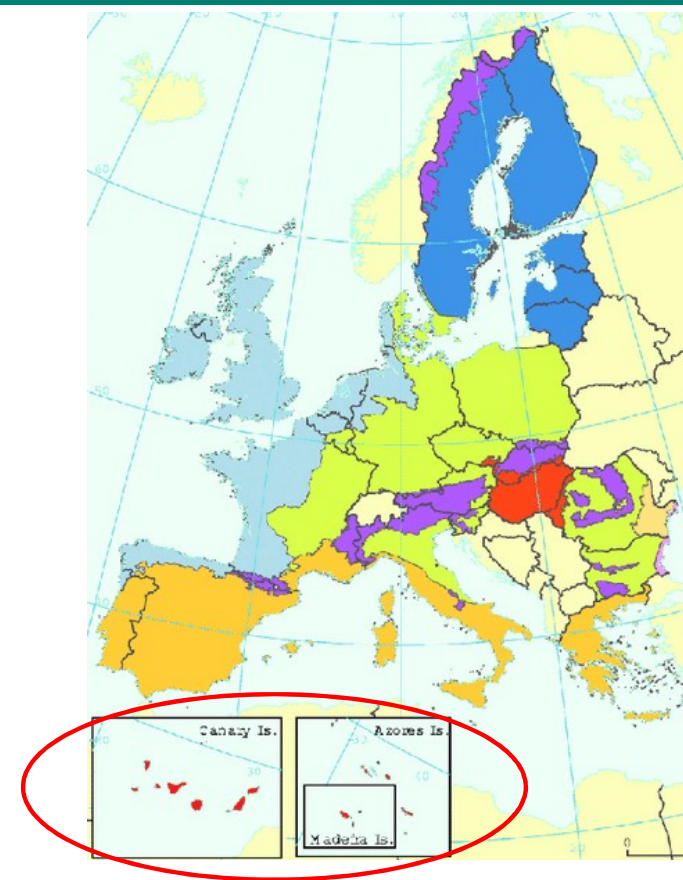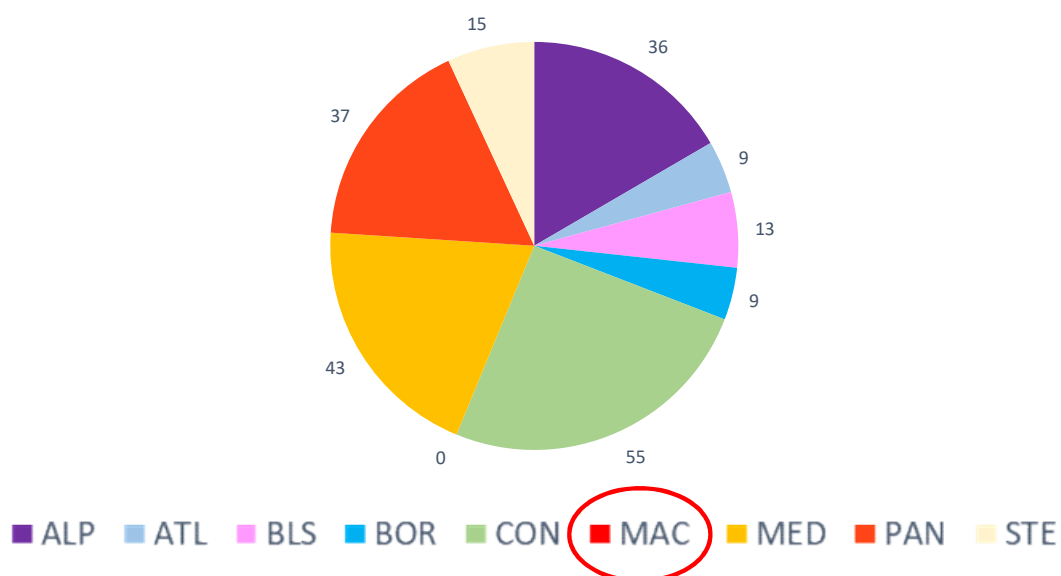**European Environment Agency
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List of Species for I.19 CAP indicator

- *New expert review: "strict" species records by Biogeographical regions*

BGR representation of "strict" species records

ALP ATL BLS BOR CON MAC MED PAN STE

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List of Species for I.19 CAP indicator

- *New expert review: final decision*

→ **Keep only the "strict" species for the indicator**

  ✓ *Species having agroecosystems as main habitats*
  ✓ *Their existence depends on agriculturally managed habitats*

  → *216 species records (species per BGR)*
  → *102 different species*

Species strictly related to managed agricultural habitats: 216 records*
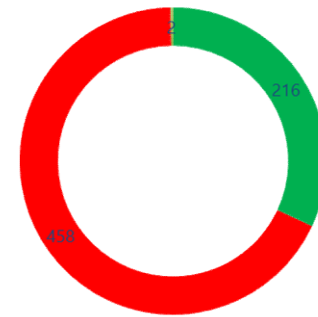
→ **Include the "strict" records from the missing MS within the listed BGR** (40 species concerned)
→ **Include the "strict" records from the missing BGR** (16 species concerned)

→ Expertise to validate the inclusion of missing records (cases of rare species)

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Quality assessment of MS Art 17 reporting data

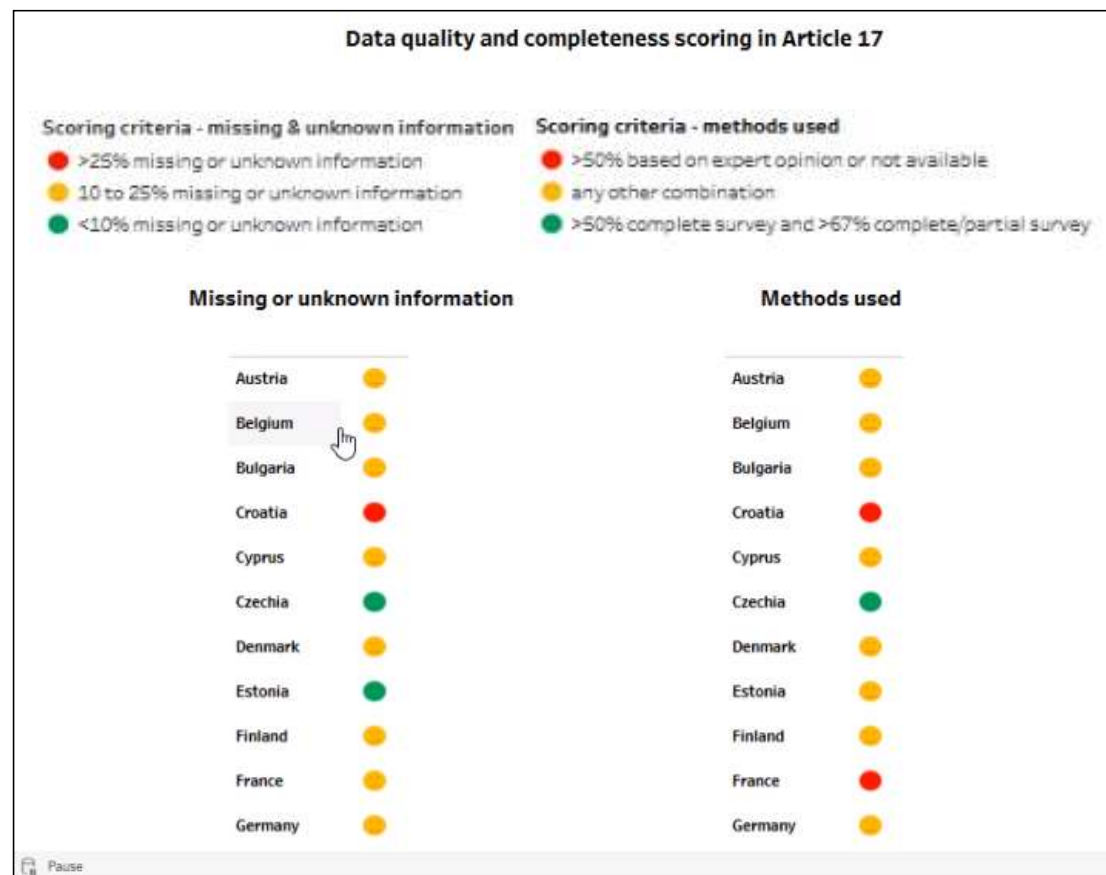- **2 main information presented by MS with "green-light" figures**

→ Number of missing/unknown information
  - ➤ >25%,
  - ➤ 10 to 25%
  - ➤ <10%)

→ Method used
  - ➤ > 50% Expert opinion
  - ➤ >50% complete and >67% complete/partial survey
  - ➤ Any other combination

Assessment of Number of missing/unknown information is only done for "mandatory information"

Data quality and completeness scoring in Article 17

Scoring criteria - missing & unknown information
- 🔴 >25% missing or unknown information
- 🟠 10 to 25% missing or unknown information
- 🟢 <10% missing or unknown information

Scoring criteria - methods used
- 🔴 >50% based on expert opinion or not available
- 🟠 any other combination
- 🟢 >50% complete survey and >67% complete/partial survey

Missing or unknown information		Methods used	
Austria	🟠	Austria	🟠
Belgium	🟠	Belgium	🟠
Bulgaria	🟠	Bulgaria	🟠
Croatia	🔴	Croatia	🔴
Cyprus	🟠	Cyprus	🟠
Czechia	🟢	Czechia	🟢
Denmark	🟠	Denmark	🟠
Estonia	🟢	Estonia	🟠
Finland	🟠	Finland	🟠
France	🟠	France	🔴
Germany	🟠	Germany	🟠

Pause

Quality assessment of MS Art 17 reporting data

- ***Application for CAP Indicator:***

A rough "Data quality scoring" can be aggregated by MS, using the list of habitats and species related to agriculture:

→ How many unknown data by MS?
  - ➤ *Missing or unknown data, based on National Summaries*

→ What is the Method Used (Robust / Model / expert opinion)?
  - ➤ *Each MS must do a "robustness assessment" for each habitat and species reporter under Art 17*

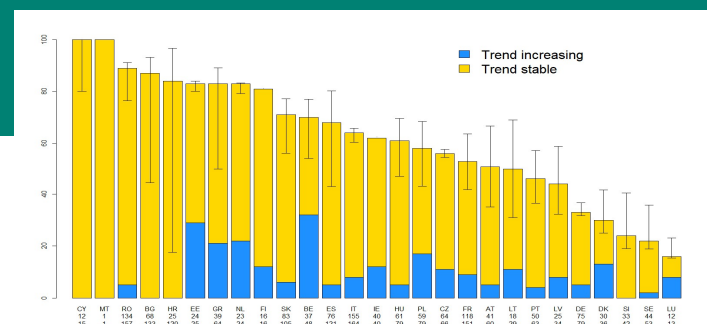→ Is the reporting based on old data or new data?
  - ➤ *MS have to mention if the data used are up to date for the current reporting period,*
  - ➤ *It is hard to assess and not used yet for SoN*

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I.19 CAP indicator *"Enhancing biodiversity protection"*

Proportion of **habitats & species** with stable (=) or increasing (+) conservation status trend.

- ## *Next steps*

➢ MS final consultation for the validation of the lists of habitats and species related to managed agricultural areas

➢ Finalisation of the Indicator formula and visualisation

➢ "Data quality scoring" aggregated by MS using the validated list of habitats and species

➢ Testing the sub-indicators on Pollinators

➢ Develop a methodology for bird species related to agricultural habitats and practices, based on Art 12 data

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