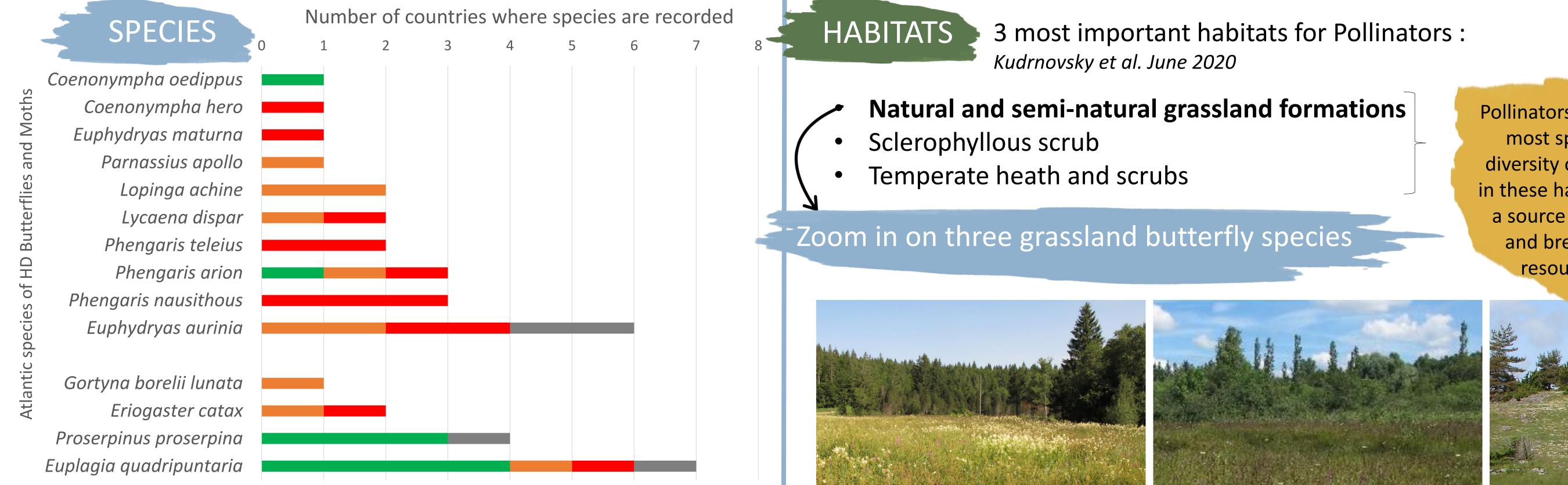
## Taking into account the distribution of butterflies to increase Protected Areas in Atlantic region for Pledges

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Pollinators find the most specific diversity of plants in these habitats as a source of food and breeding resources

Butterfly

OPIE

CONSERVATION EUROPE



6210

## Favorable Unfavourable-inadequate Unfavorable-bad Unknown EU Habitat Directive article 17 database

Even though the species are listed in the Natura 2000 (N2K) Directive annexes, they remain under threat. Conservation measures must be implemented as a matter of urgency and sustained. Pledge networking event, briefing note, March 2022



- Distributed in the Netherlands, Germany and Spain. In these all 3 countries, its conservation status is the worst case: **unfavourable – bad** (table).
- Trends : Netherlands  $\rightarrow$  was increasing in 2018; last site almost destroyed in 2020

Germany / Spain → decline Pledge networking event, briefing note, March 2022



(Sanguisorba officinalis) (6510)

Lowland hay meadows

6510

Well distributed throughout Europe Conservation status **unknown** in Portugal and Germany. Unfavorable in the 4 other countries : **inadequate** and **bad status** (table)

Trends : **stable or increasing**, except in France  $\rightarrow$  decline

Euphydrya aurinia Pledge networking event, briefing note, March 2022

Protected areas for

butterflies in Atlantic

Number of N2K

butterfly species per

cell outside N2K areas

Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae) (6410)

6410

Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (6210)

Its status and populations trends vary 🗟 greatly between the 3 countries where the species is present. UK: Favourable and increasing France: Unfavourable - inadequate unknow trend

Spain: Unfavourable – bad and declining Pledge networking event, briefing note, March 2022

Phengaris arion

In

Atlantic region **92% of observations of** Phengaris arion are not in N2K areas; an open forest species, Lopinga achine has 85% of its sites outside N2K areas

The map displays observation data of number of

Phengaris nausithous





The French national action plan for Pollinators led by two Ministries (Agriculture and Environment) <u>Conserve pollinators while maintaining</u> productivity for farmers

 $\rightarrow$  develop tools to encourage farmers to use less **pesticides** and find solutions to replace them

 $\rightarrow$  enhance favourable habitats for pollinators with heterogeneous tree strata and with local species testing of **EUPoM's** pollinator  $\rightarrow$  supports monitoring protocol within the **EU Spring project** and organizes stakeholders' meetings.



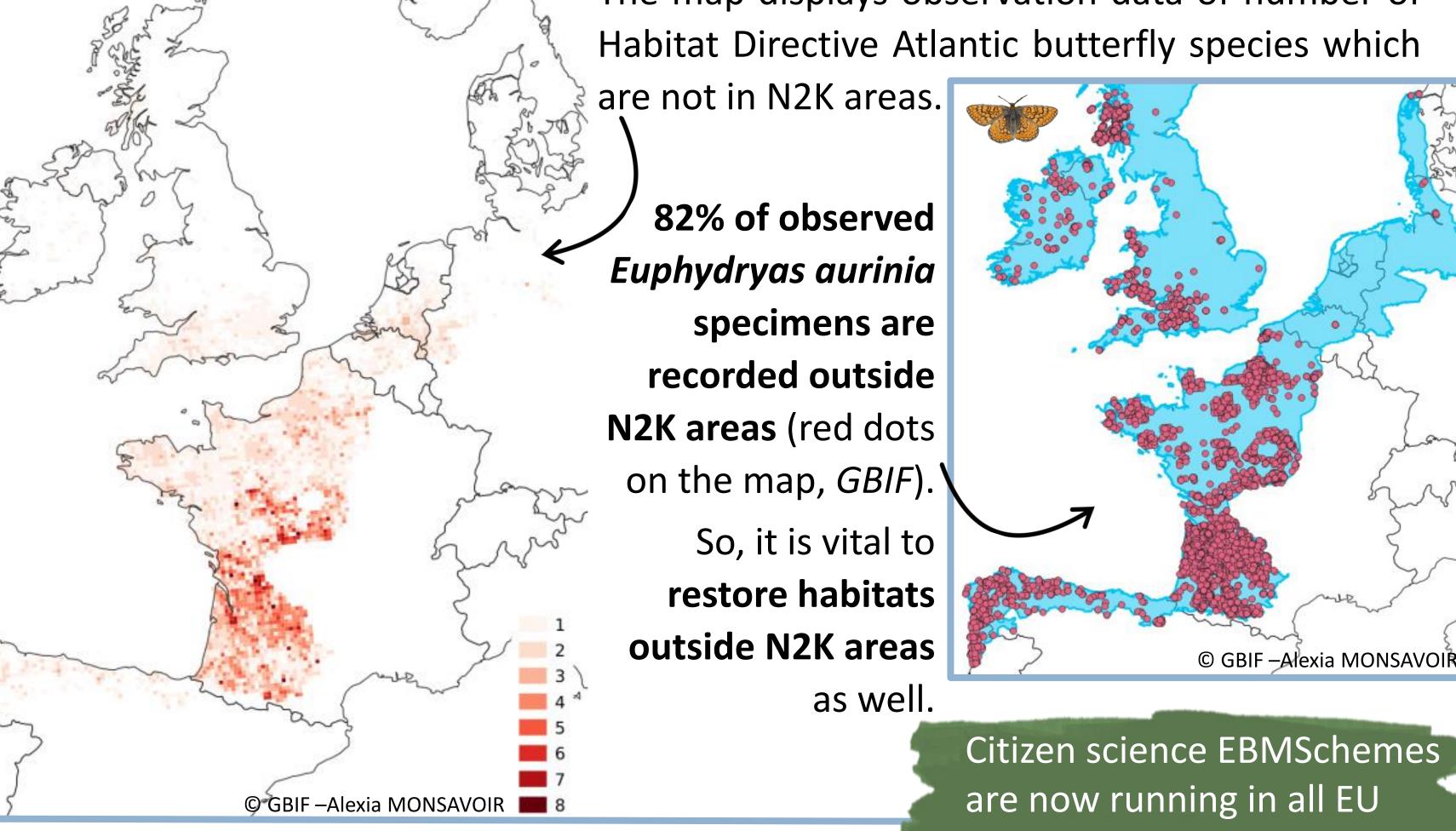
Increasing evidence for the **importance of** Moths as pollinators; an European Red List is almost published for these species. The **Spring** project is testing a protocol to standardize the monitoring of Moths throughout Europe.

## Recovery actions needed

## Protected areas

Preserve the natural environments where species carry out their life cycle.

- Rare species : all sites should to be protected with extension of existing protected areas. Bonelli et al., 2011
- Mobile and rare species : areas between sites must be protected by creating new protected areas. Bonelli et al., 2015
- Landscape scale vision



Monitoring biodiversity is essential : Butterflies  $\rightarrow$  perfect subject to study the state of biodiversity

well documented / recorded in lots of habitats / sensitive to environmental variations / easy to recognize.

Improve connectivity between patches and implement conservation on a landscape scale.

- Area management
- Maintain traditional systems, extensive agriculture, with low grazing pressure, pay attention to water levels, mow in winter. LSPN 1987
- In woodland, carry out rotational coppicing or thinning, keep open environments, and active management of the forest with clearings. Van Swaay C. et al. 2021
- Preserve unmowed areas, leave flowering hedges, grassy strips at the edges of plots and a few trees, allowing species to move around and find a variety of resources. Warren et al., 2020
- Avoid the use of pesticides and reduce fertilization in areas with sensitive soils. Warren et al., 2020

**European Grassland Butterfly Indicator** Van Swaay, C. et al. 2020

 $\rightarrow$  combining trends for 17 grasslands species

eBMS throughout the 27 European Union countries

years, the

For

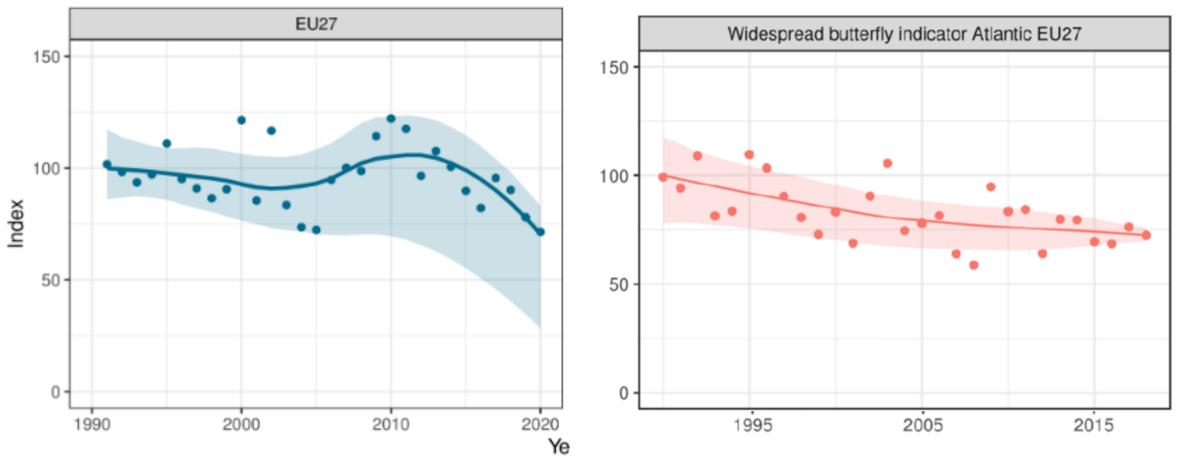
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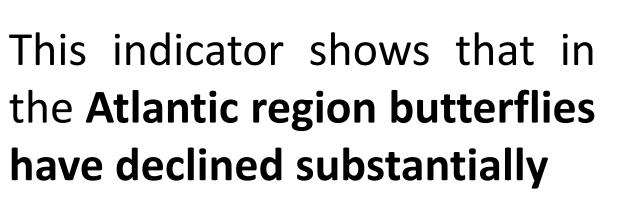
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indicator has **declined by 32%** 

across the European Union





ABLE

coordinators of EBMSchemes is provided in some countries; and it is needed in more EU Member States.

Support for national

Member States providing

valuable monitoring data

The European Butterfly Monitoring Scheme (EBMS) led by Butterfly Conservation Europe (BCE) measures changes in butterfly abundance.

https://www.vlinderstichting.nl/butterflyconservation-europe/ https://butterfly-monitoring.net/

