



eBMS update

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European Butterfly Monitoring Scheme

– the world's largest network dedicated to insects?

- A brief background to the eBMS
- Current activities
- Future perspectives

Background to the eBMS

A Butterfly Conservation Europe partnership to promote and develop butterfly monitoring in Europe

- *Towards a representative BMS network across Europe*
- *To support butterfly indicators*
- *To support wider use and to raise the profile of butterflies*
- *To aid butterfly conservation*

Aims of the eBMS (from 2017)

- Establish a formal **data sharing agreement** with existing schemes to clarify intellectual property rights and rights of access to data ✓
- **Gather data annually** from existing monitoring schemes ✓
- Develop an **online data entry system** to grow the network - allow new countries to submit data efficiently and in a standard format ✓
- **Provide tools** for calculating population trends ✓
- Produce an effective database to aid the production of a suite of butterfly **indicators** ✓

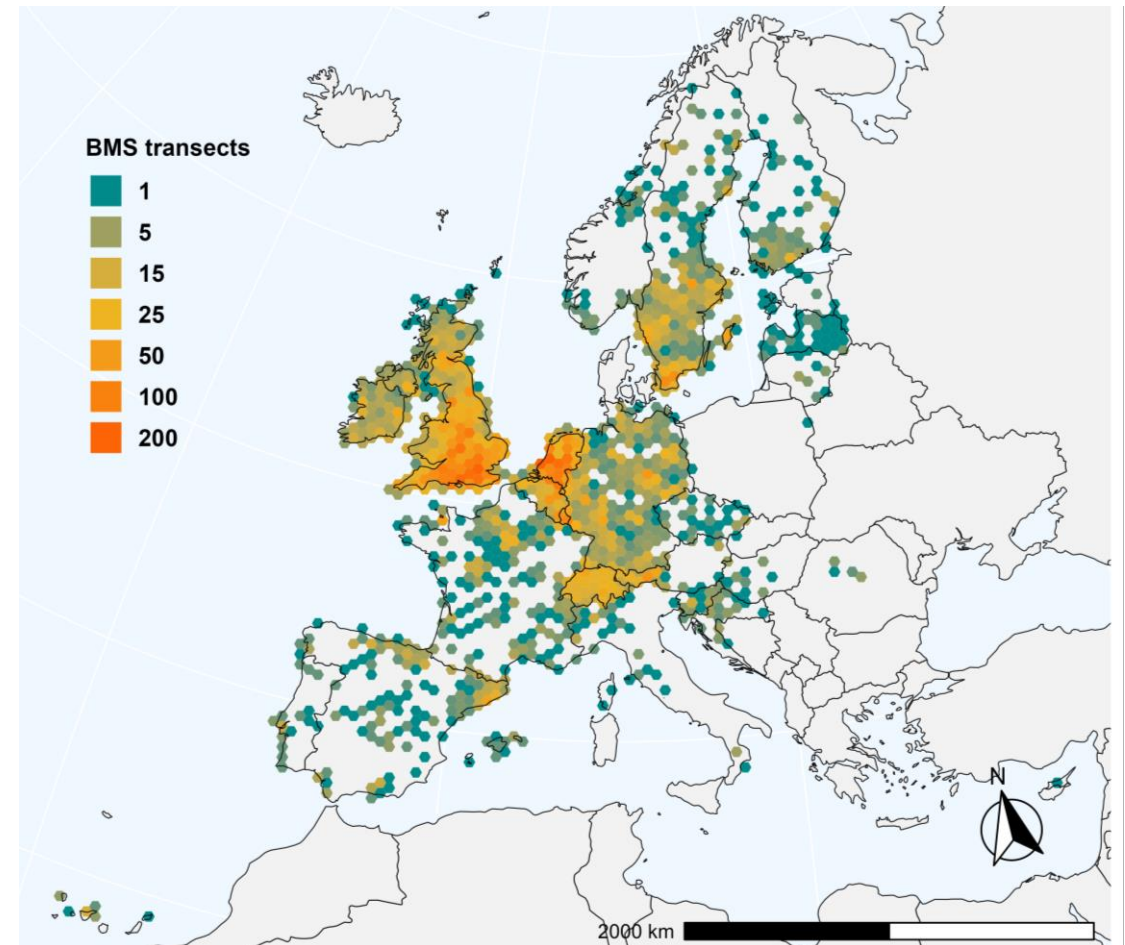
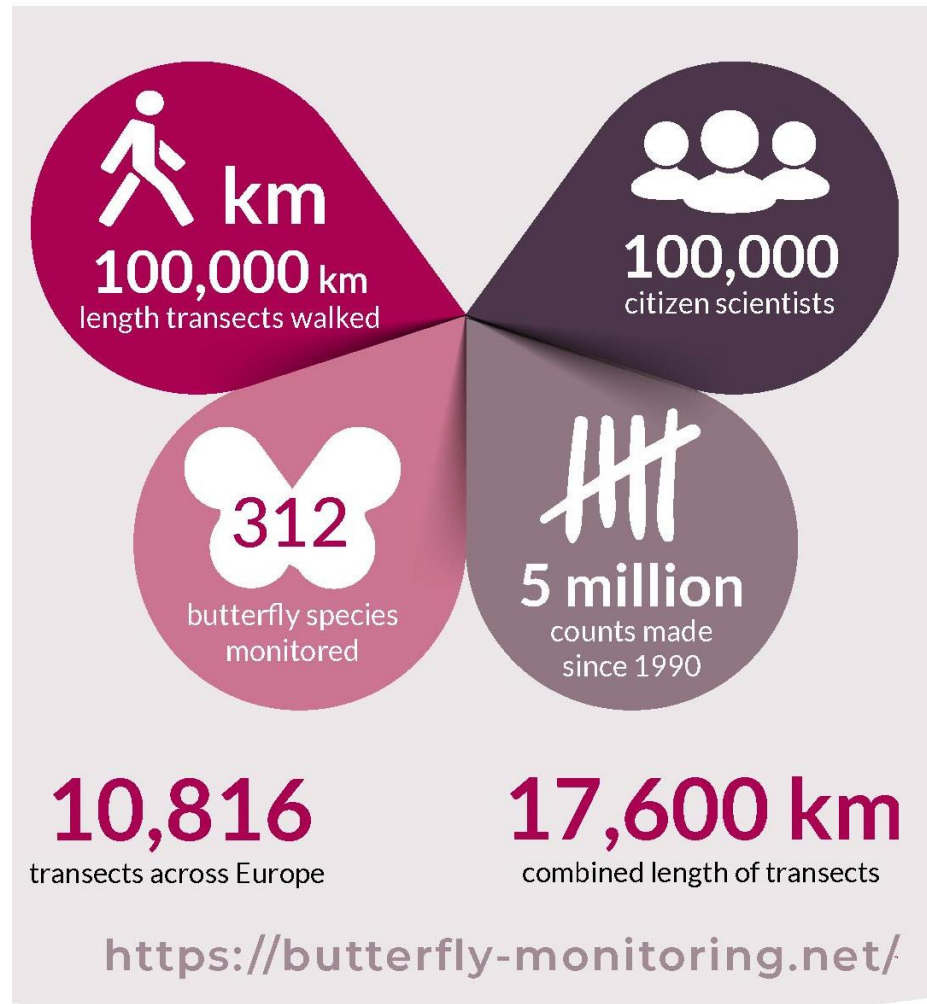


eBMS – the largest global network dedicated to insects?

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The largest insect population database in the world? eBMS database v4.2

► 28 BMS in 23 countries




(data update - August 2022)


Density of BMS transects per 50x50 Km

Online tools to support capture of new data

eBMS website: butterfly-monitoring.net

- Translations into 20 languages
 - more being added via SPRING
- Make improvements as resources allow

Dansk 

 Sommerfugleovervågning ▾ Baggrund for eBMS ▾ Min ordning ▾ Mine data ▾ eBMS data ▾ Log in

Mine data

Velkommen til den europæiske BMS

På kortet til højre kan du se en oversigt over sommerfugleovervågningsaktivitet forskellige steder:

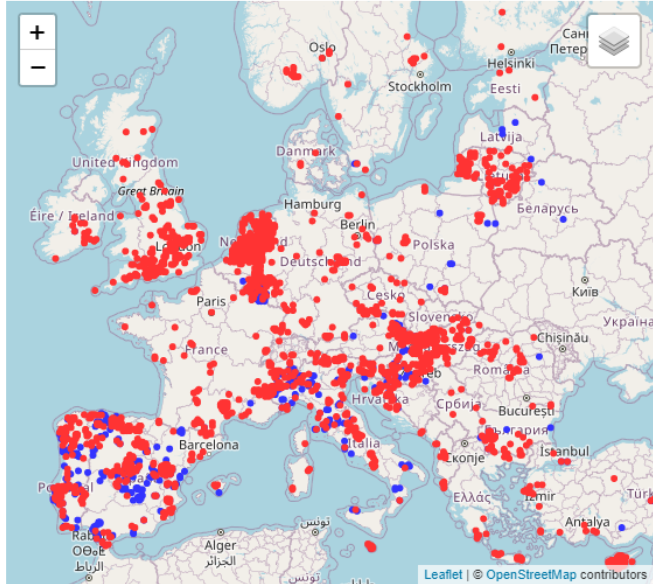
- Blå symboler viser **transekter** indsendt til eBMS-hjemmesiden
- Røde symboler viser **15-minuts observationer** sendt fra eBMS-appen

På hjemmesiden kan du se mere detaljerede rapporter om [ny aktivitet](#), som du kan besøge for at se, hvilke arter der er blevet set, hvor mange gange de blev fundet og hvorhenne. I eBMS-netværket er der registreret mere end 10.000 transekter i Europa. Du kan ikke se dem alle sammen på kortet endnu, men de vil snart blive tilføjet.

Opsæt et nyt transekt

Vi er glade for at have dig med i dette spændende projekt, og vi byder alle nye transekter velkomne. Denne form for data hjælper os med at beregne bestandstendenser og bestemme forskellige sommerfuglearters status. Jo mere data vi har til rådighed, jo mere effektivt kan vi lave anbefalinger til bevaringsforanstaltninger og til forvaltning af sommerfuglepopulationer.

- [Kontakt hovedkoordinatoren](#) inden du starter et transekt, han/hun kan hjælpe dig med at lave dit transekt og give dig tips. Tjek [listen over ordninger](#) og oplysningerne deri.



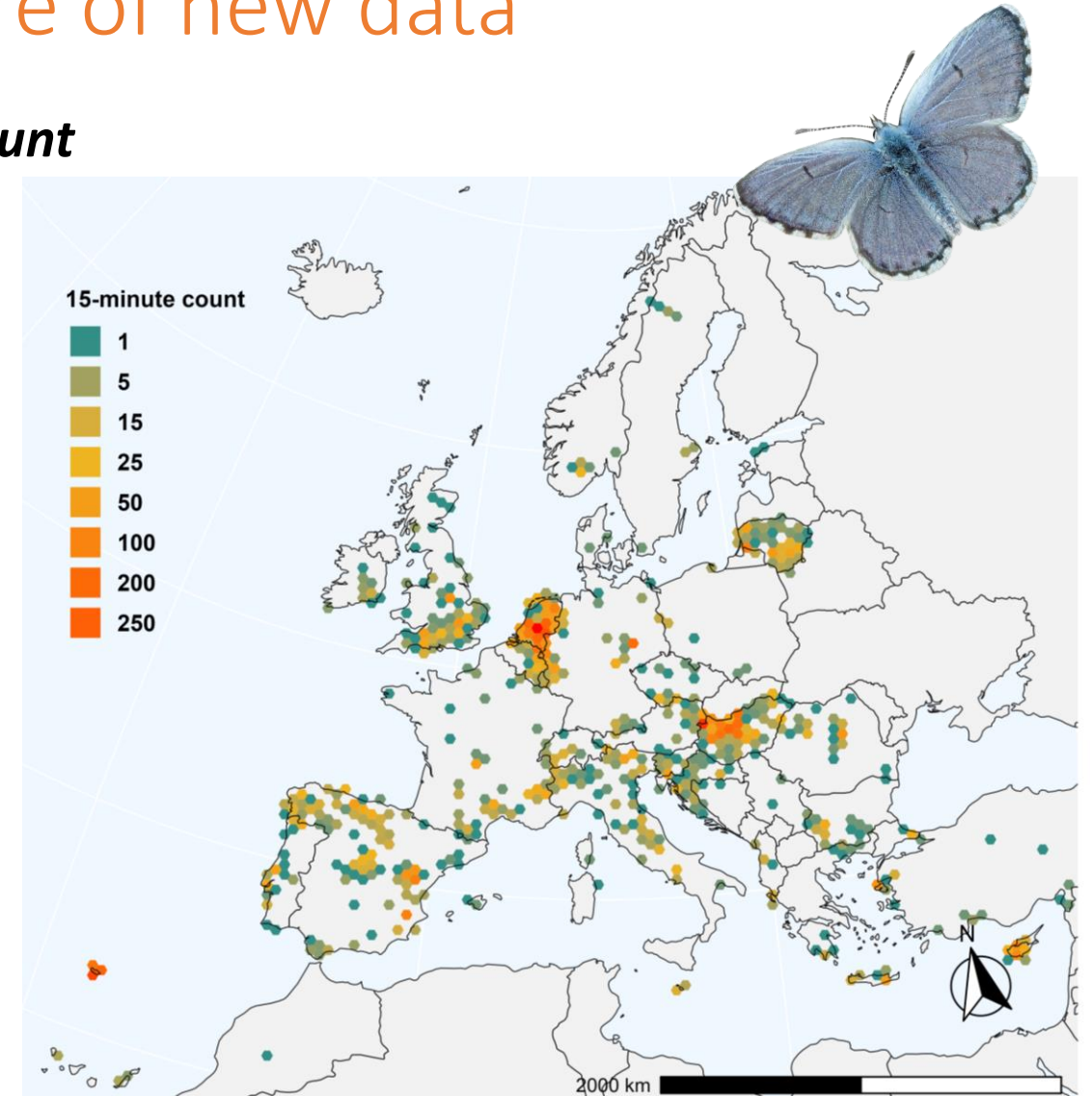
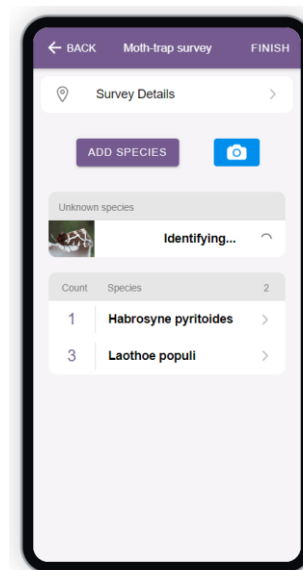
Leaflet | © OpenStreetMap contributors

Online tools to support capture of new data

ButterflyCount app: (2021 - 2022) 15-minute count

- ▶ 470 volunteers = high frequency of data
- ▶ 9,854 recording events (15 minutes)
- ▶ ca. 2,500 hours of monitoring
- ▶ 234 registered butterfly species
- ▶ + dragonflies, bumblebees, moths

top recorders	n records
1. Szabadfalvi, Andras	28,794
2. Ambrus, Andras	20,731
3. van Swaay, Chris	14,750



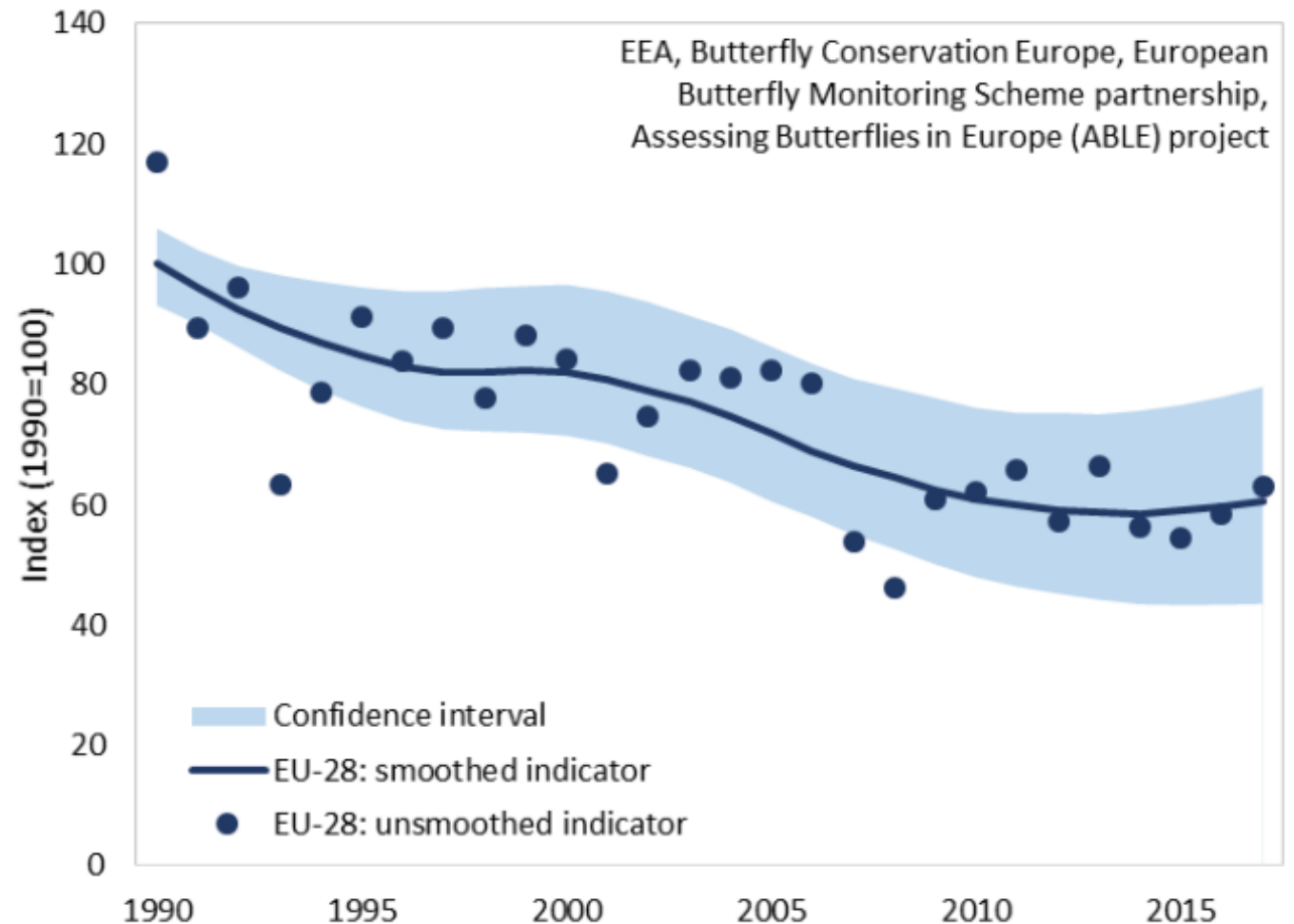
eBMS data updated 2020

(data update - September 2022)

Density of 15-minute counts per 50x50 Km

Indicators (and analysis tools).....

- Since 2005, led by Chris van Swaay
- Latest published version upto 2017 includes data from 16 countries
- Important measure for the EU Restoration Law
- See Reto's talks for an update on indicators and tools



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Developing the network

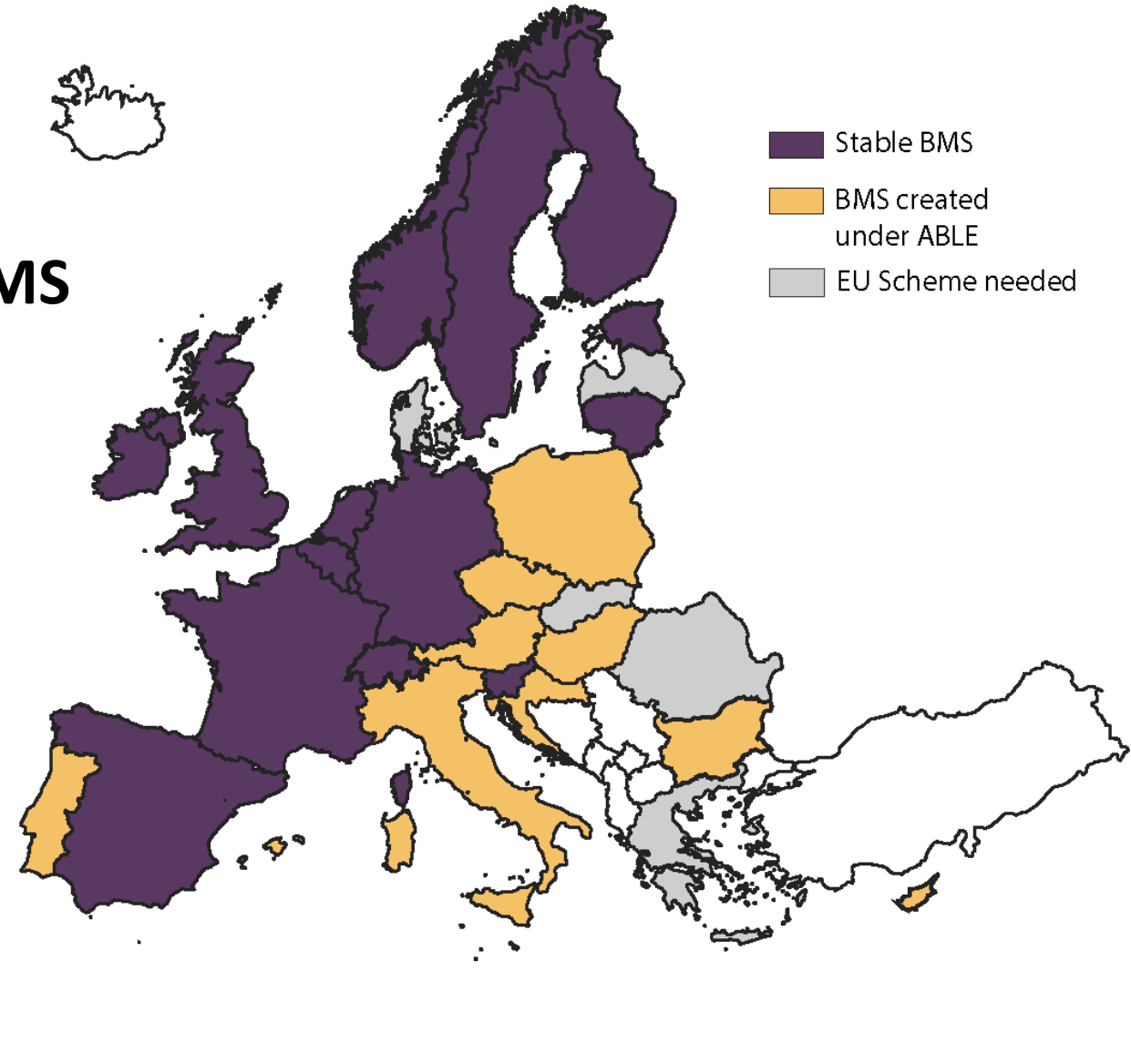
SPRING project focuses on 6 remaining EU countries without BMS

- Lithuania, Denmark and Romania, Slovakia, Greece Latvia



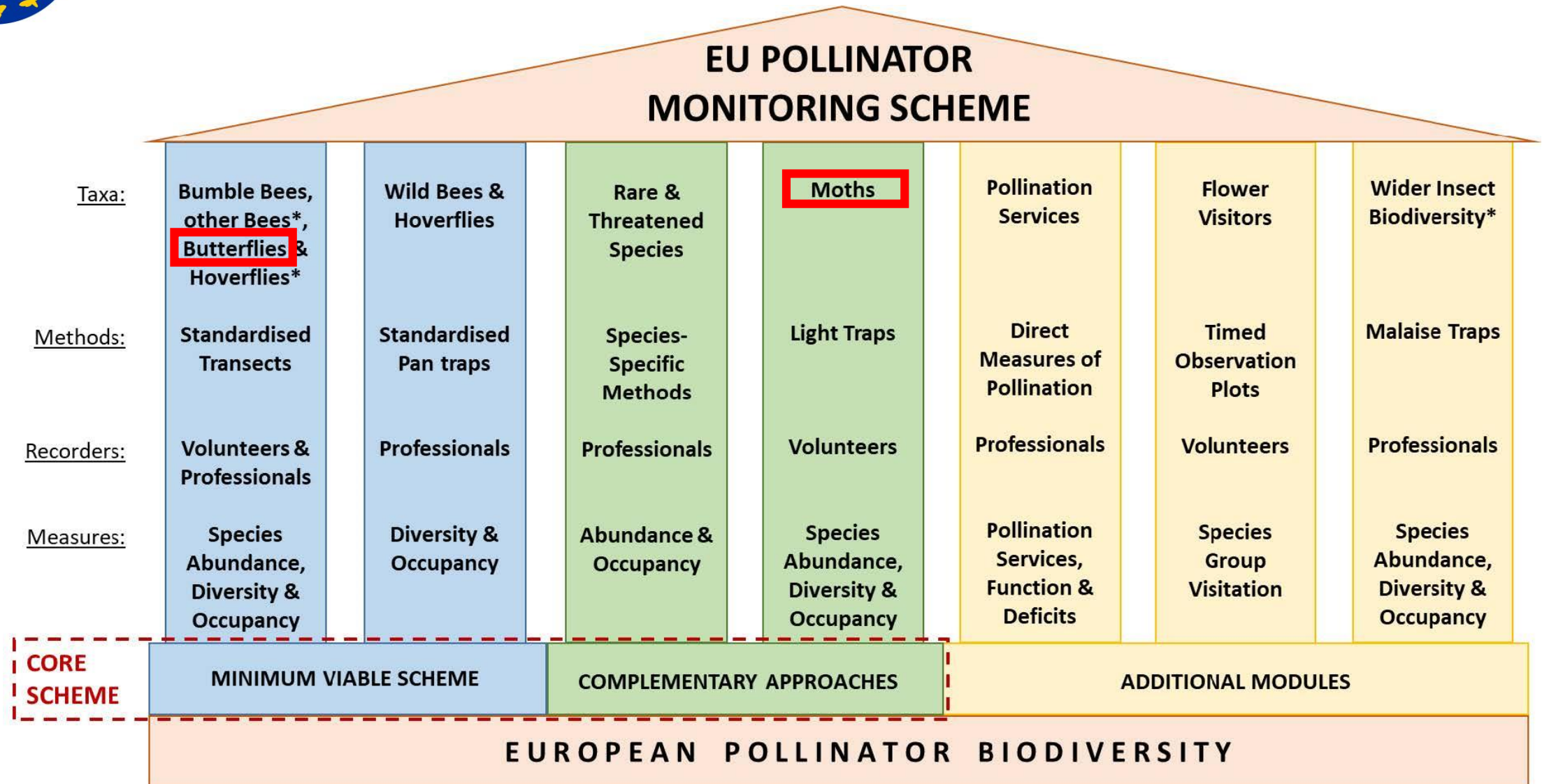
Coordination,
translations,
workshops,
materials

- Continue support and further development of “ABLE” BMS



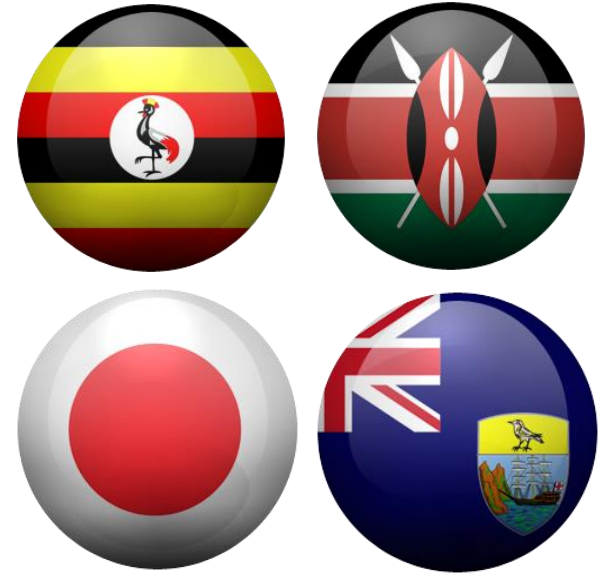


Complementarity between the eBMS & EU PoMS



Future priorities?

- Continue all current activities
- Expand beyond Europe
- Expand work on moths
- Raise profile of eBMS dataset for research



Thank you

BMS Coordinators
EBMS partners
Volunteers



The EU and MEPs for funding and
support for ABLE and SPRING



<https://butterfly-monitoring.net/>