



Overview eBMS network and tools

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Dutch Butterfly Conservation (*Vlinderstichting*) &
Butterfly Conservation Europe



Content



- eBMS Growth
- eBMS Network update (EMBRACE project)
- eBMS tools update: website & app





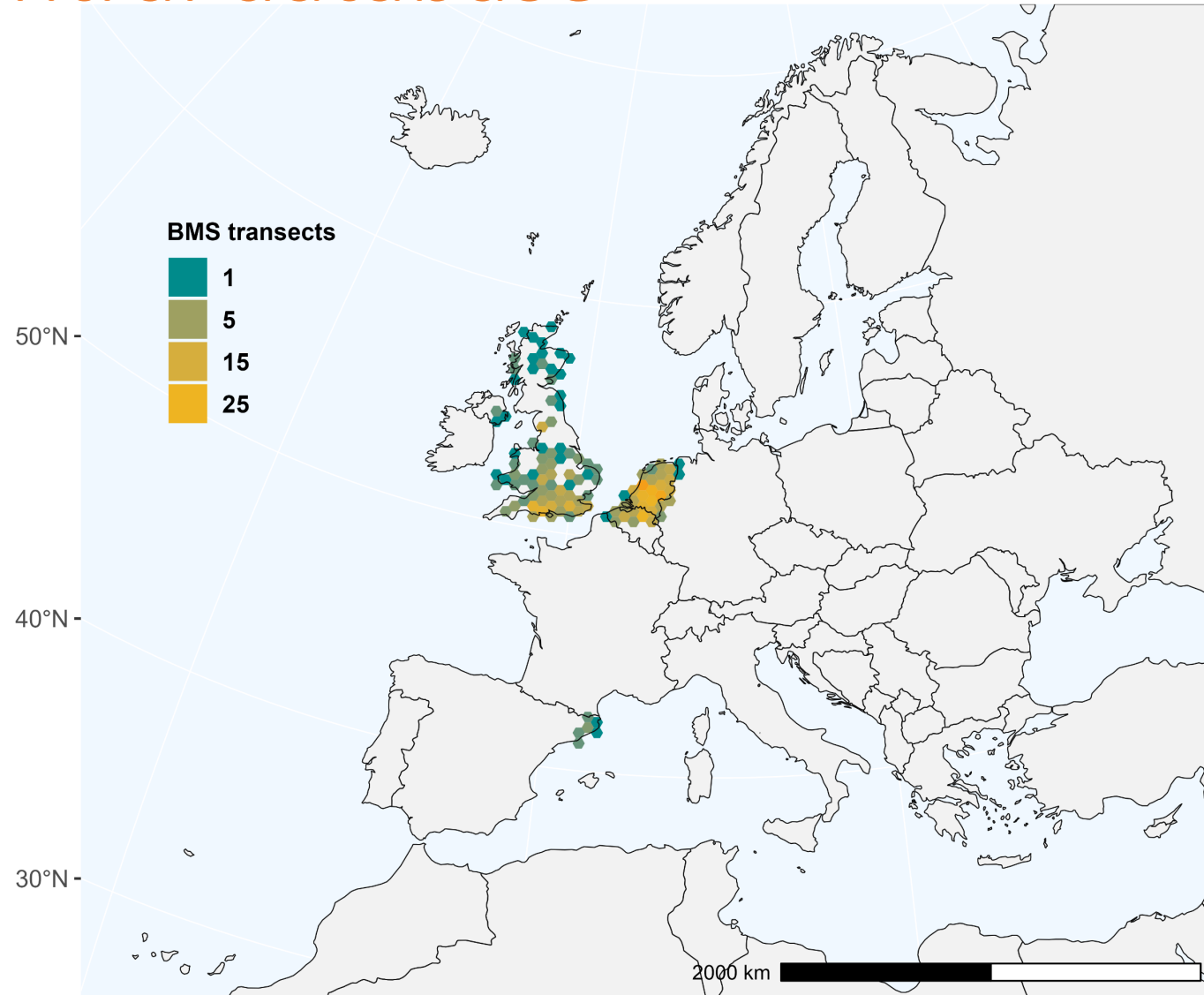
eBMS Growth

5-year periods since 1990

eBMS central database

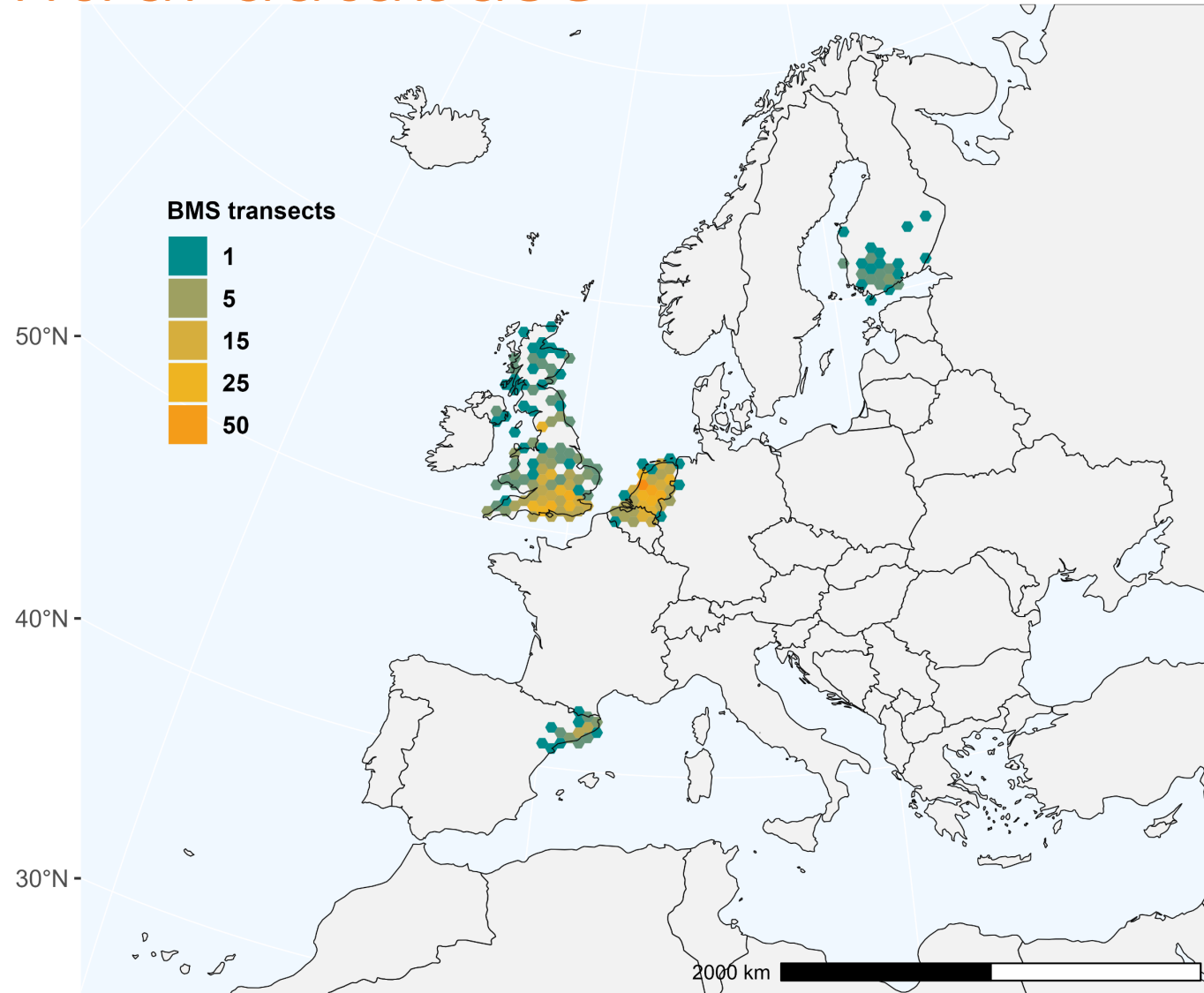


eBMS 1990-1994



eBMS central database

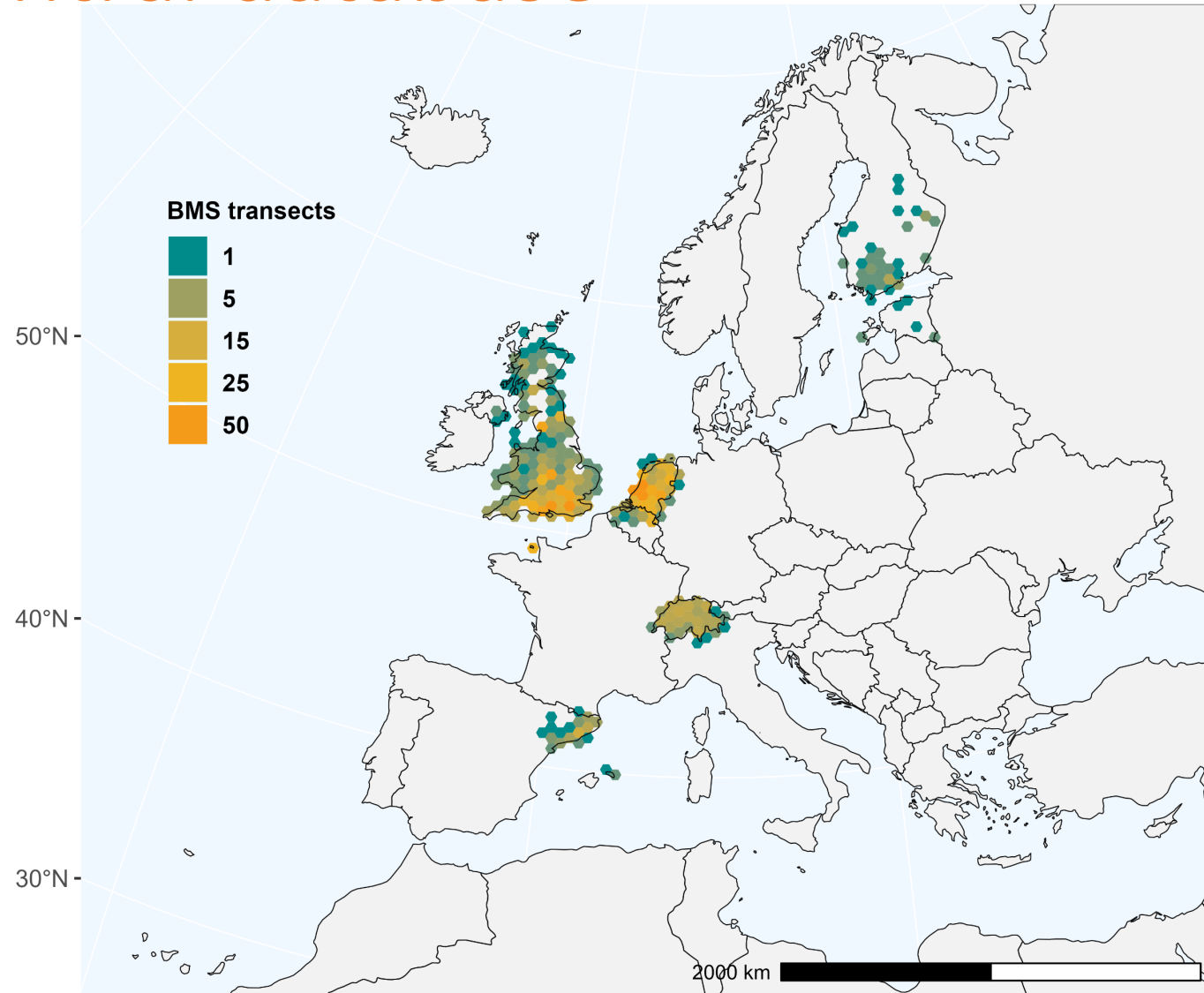
eBMS 1995-1999



eBMS central database



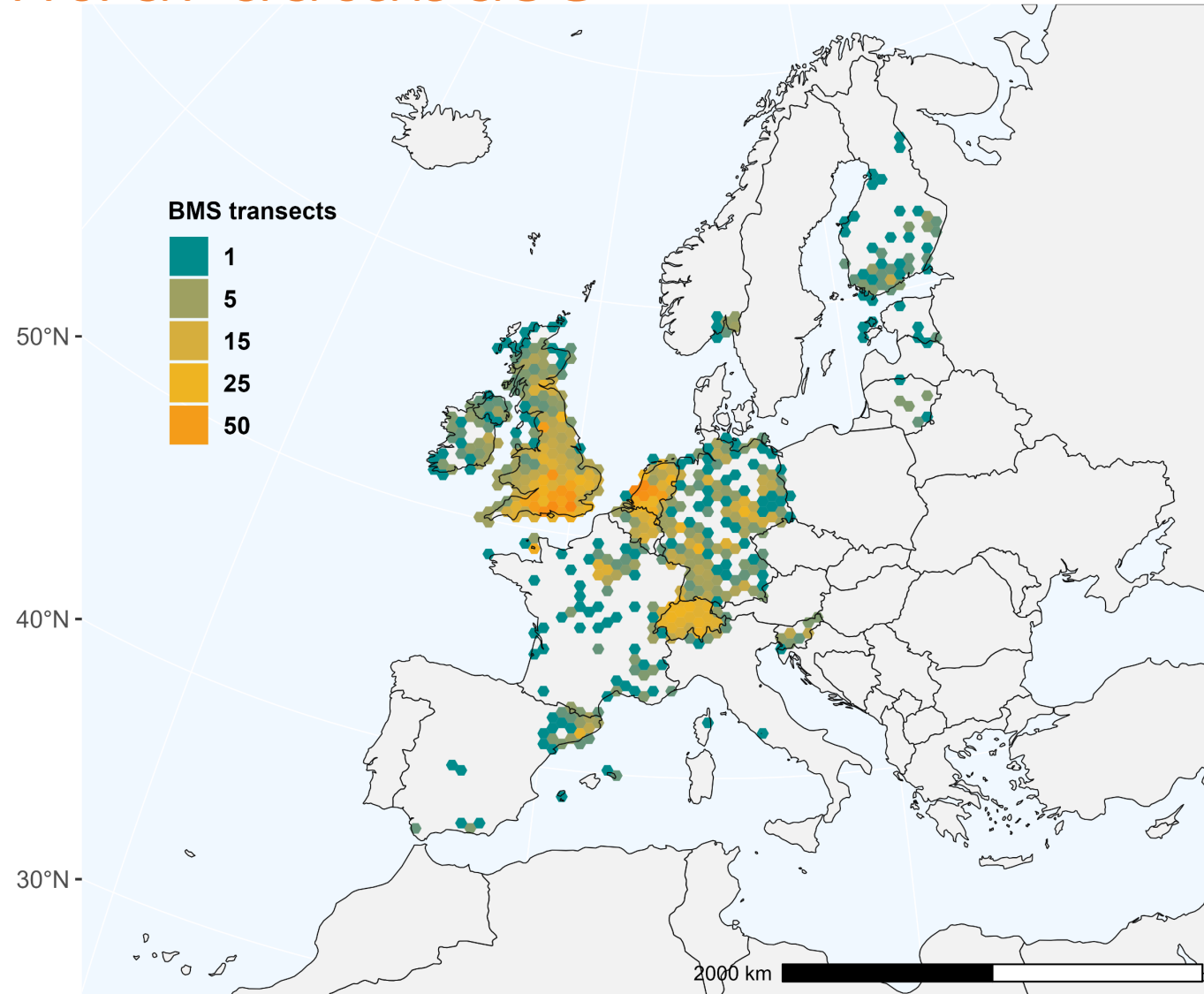
eBMS 2000-2004



eBMS central database



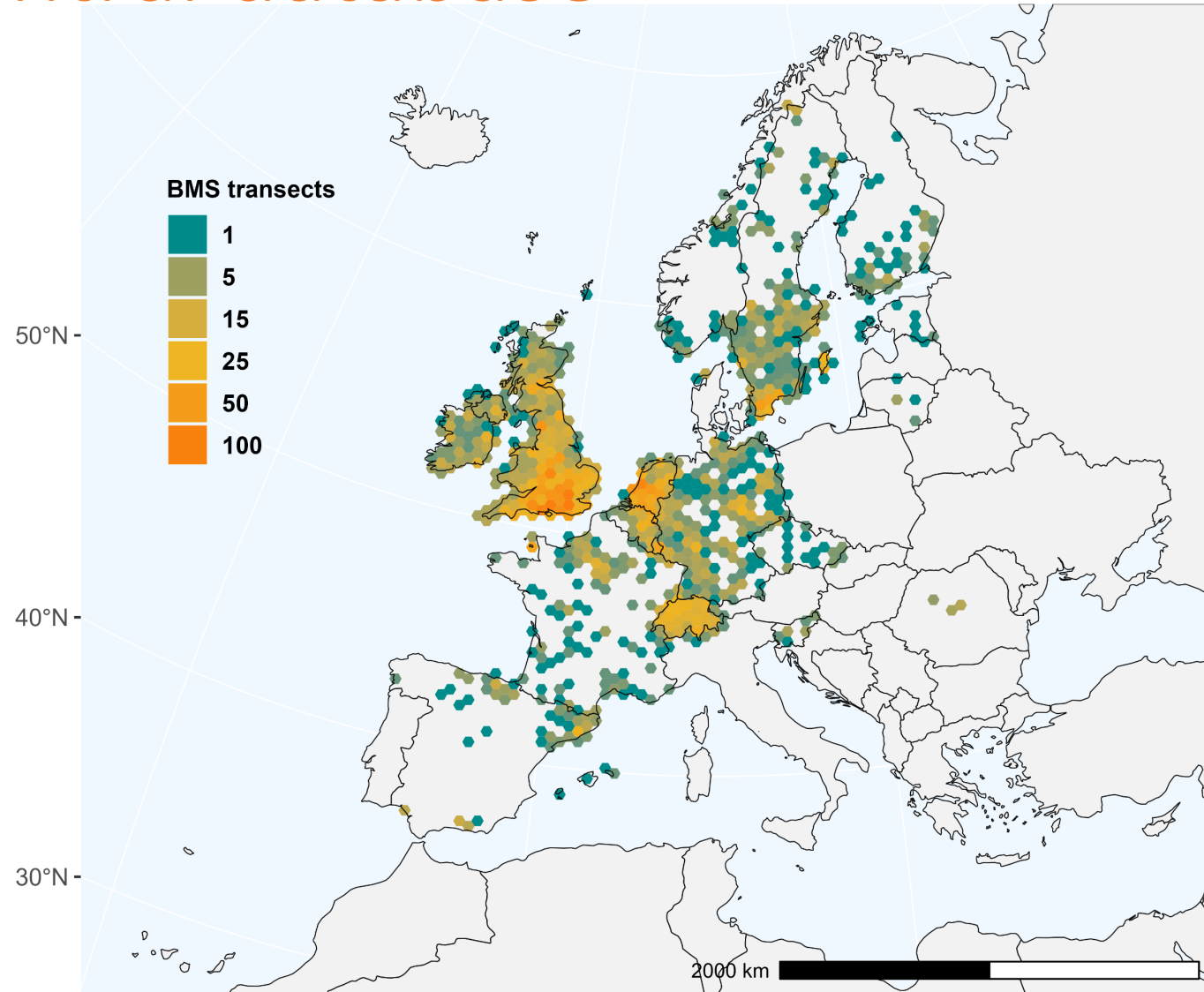
eBMS 2004-2009



eBMS central database



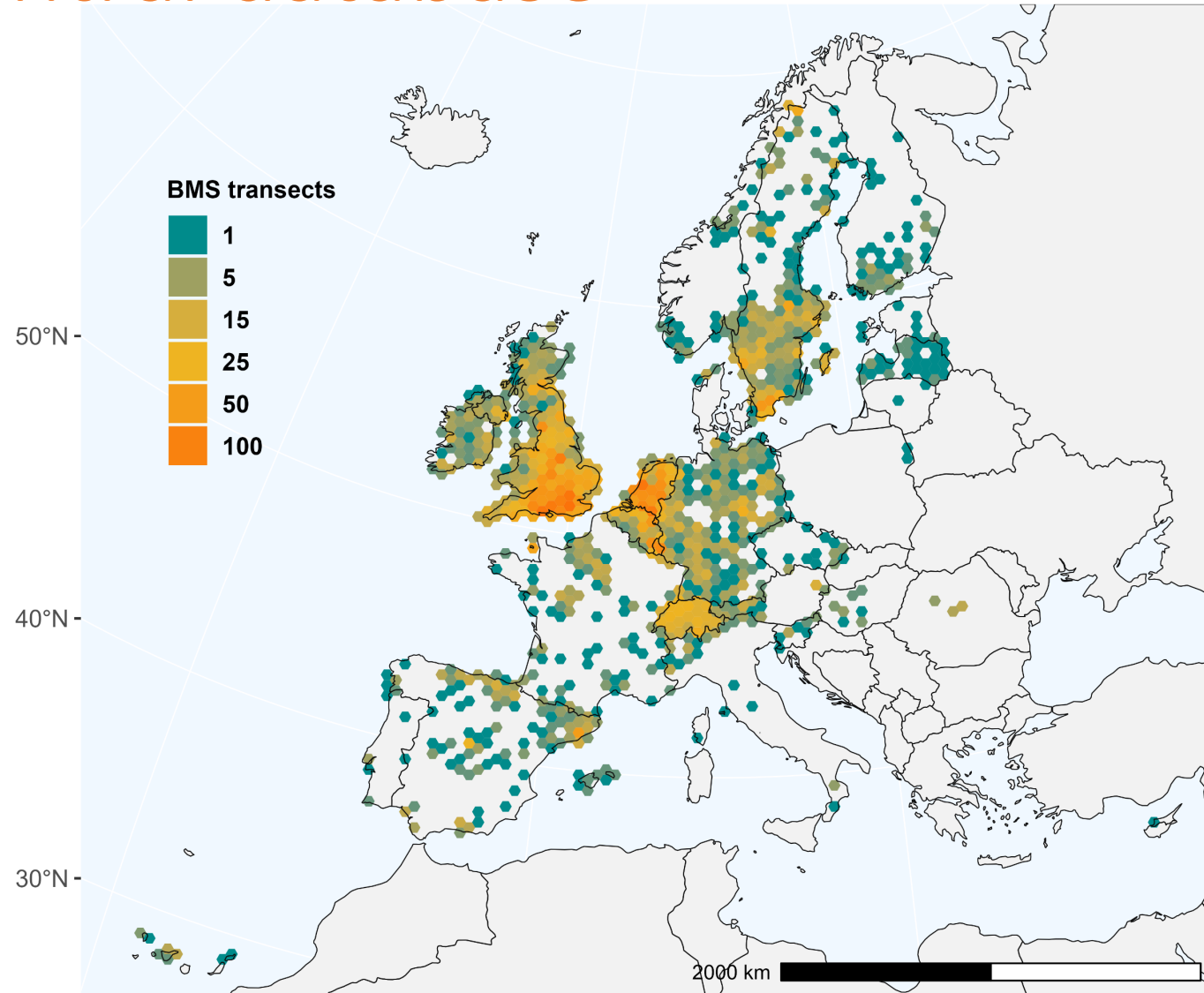
eBMS 2010-2014



eBMS central database



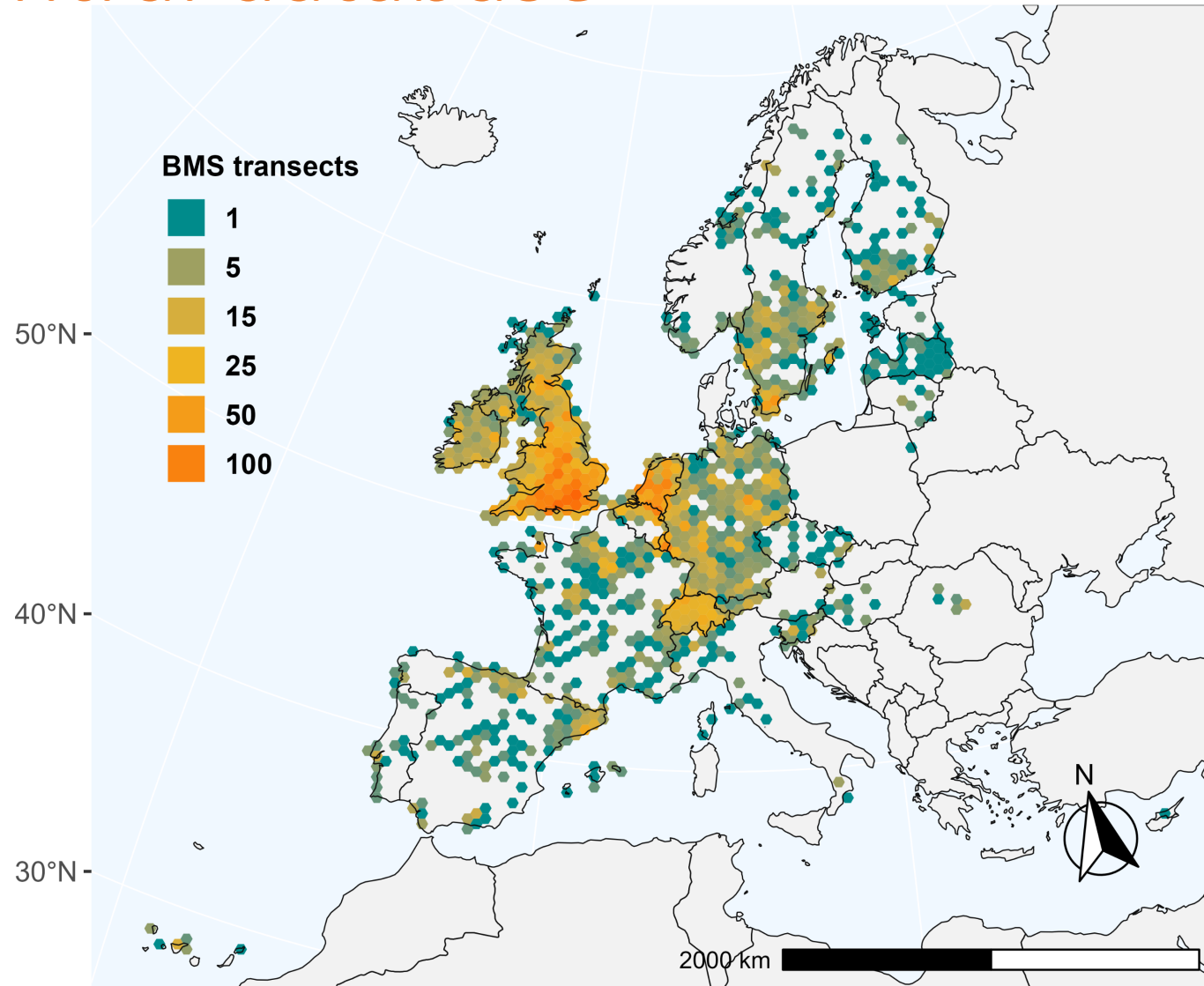
eBMS 2015-2019



eBMS central database



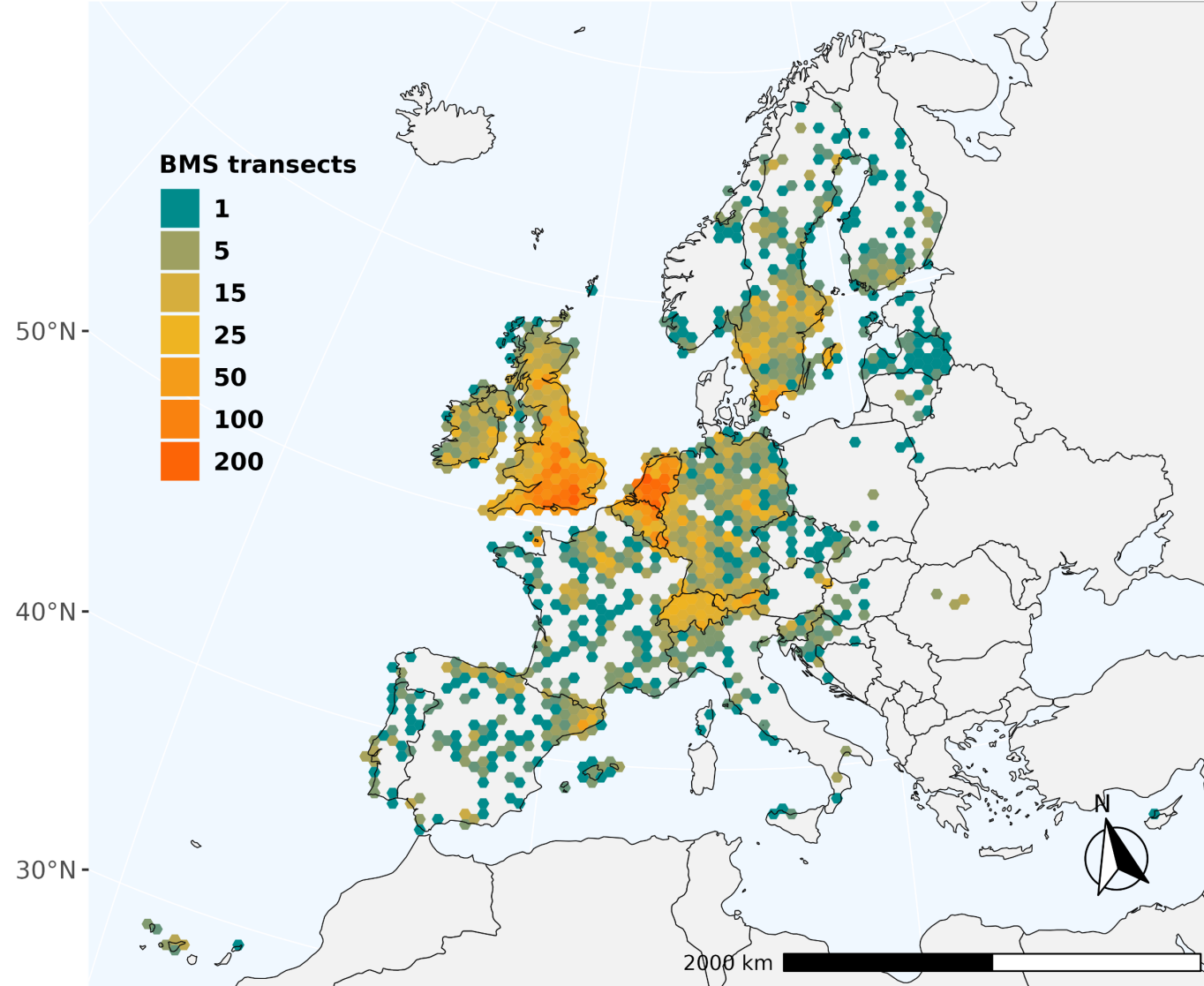
eBMS 2020



eBMS central database



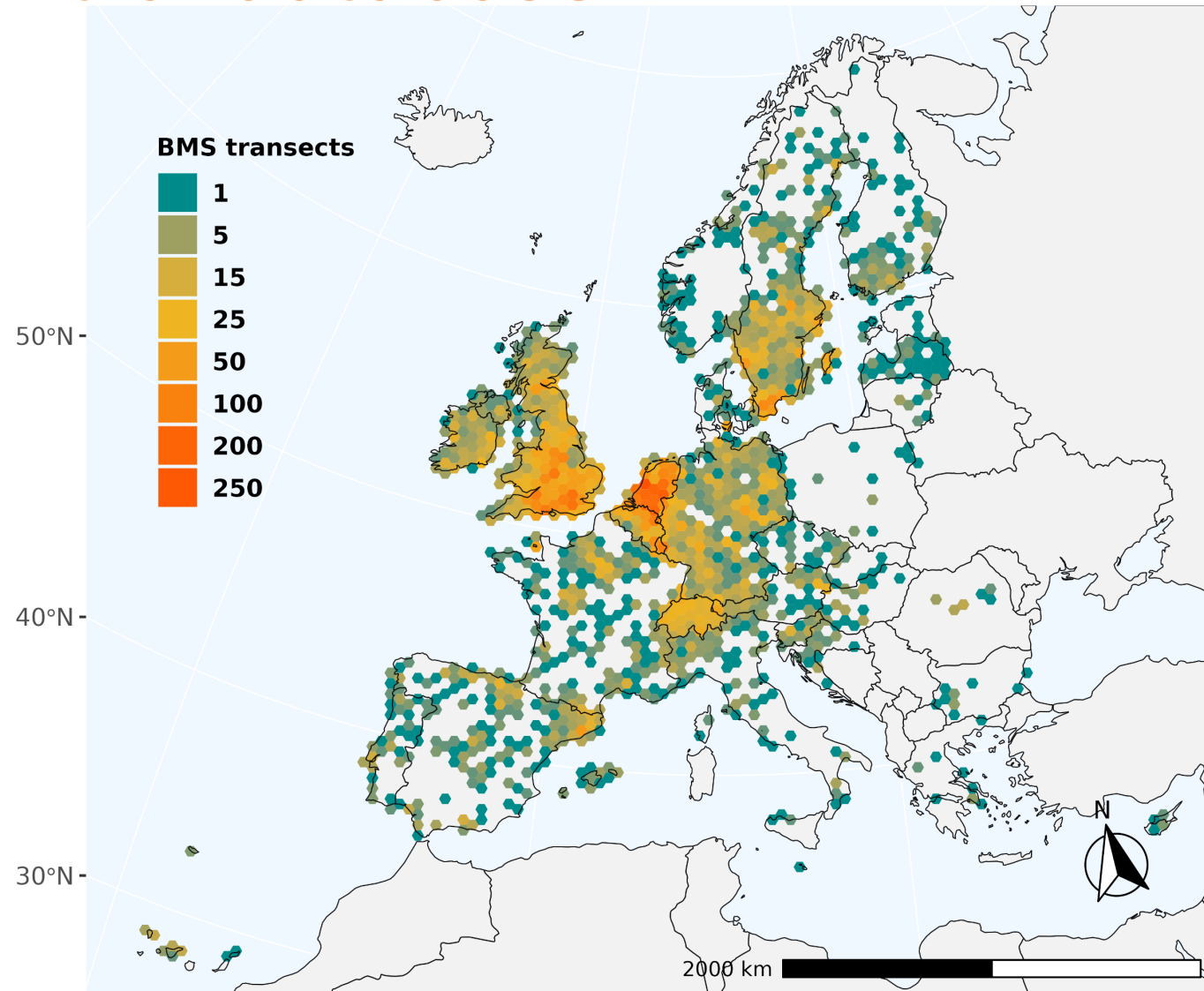
eBMS 2021



eBMS central database



eBMS 2023

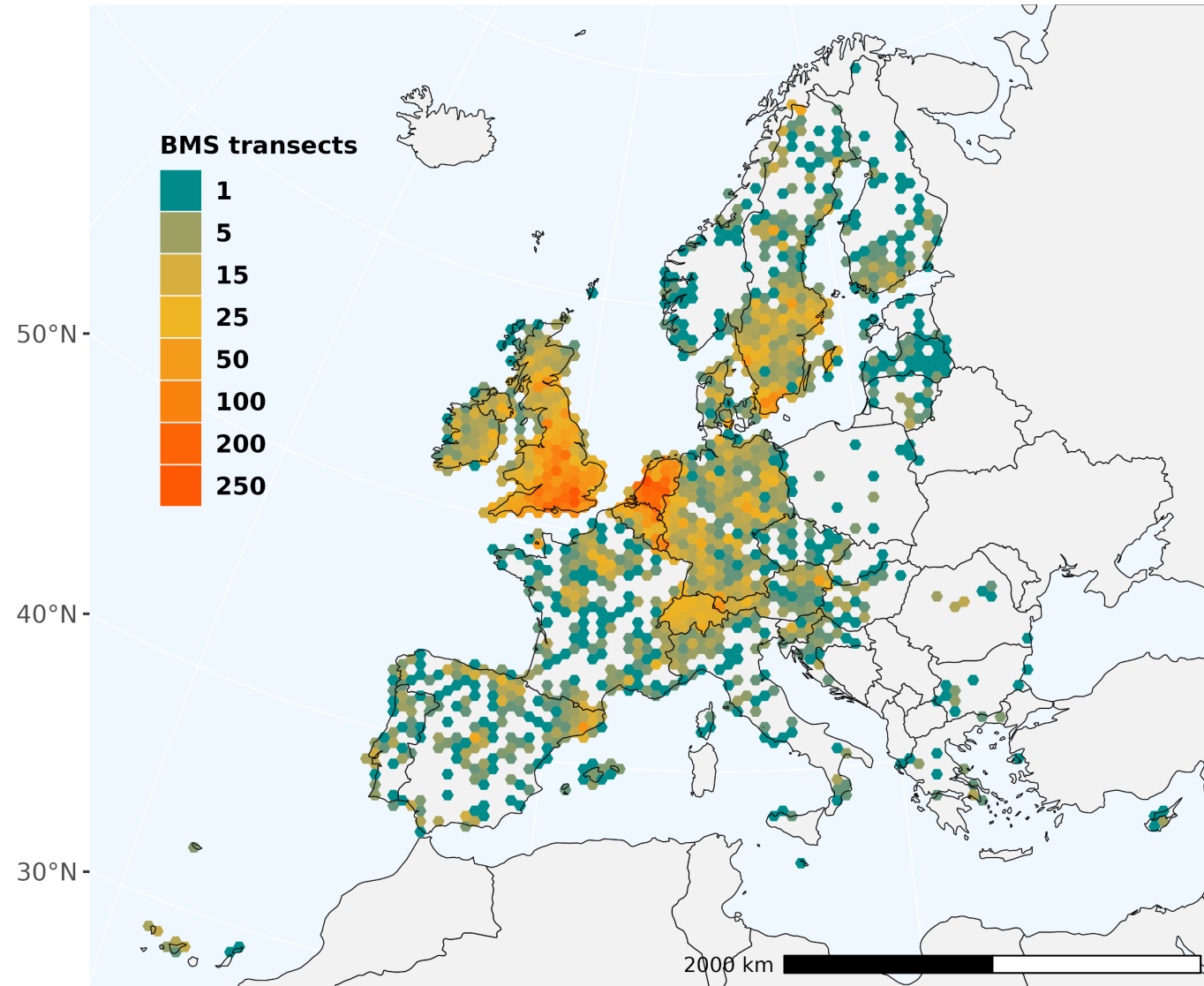


eBMS central database



eBMS 2024

16,152 butterfly
transects in total
in Europe



eBMS central database



European database in numbers (1990 - 2024)

New update v7 eBMS 2023 → 2024

- 18 → 19 million counts
- 1,278,018 → 1,368,613 visits
- 15,149 → 16,152 transects
- 3,176 → 3,488 transects more 10 years
- 49,418 → 51,340 km monitored
- 353 → **368** registered butterfly species

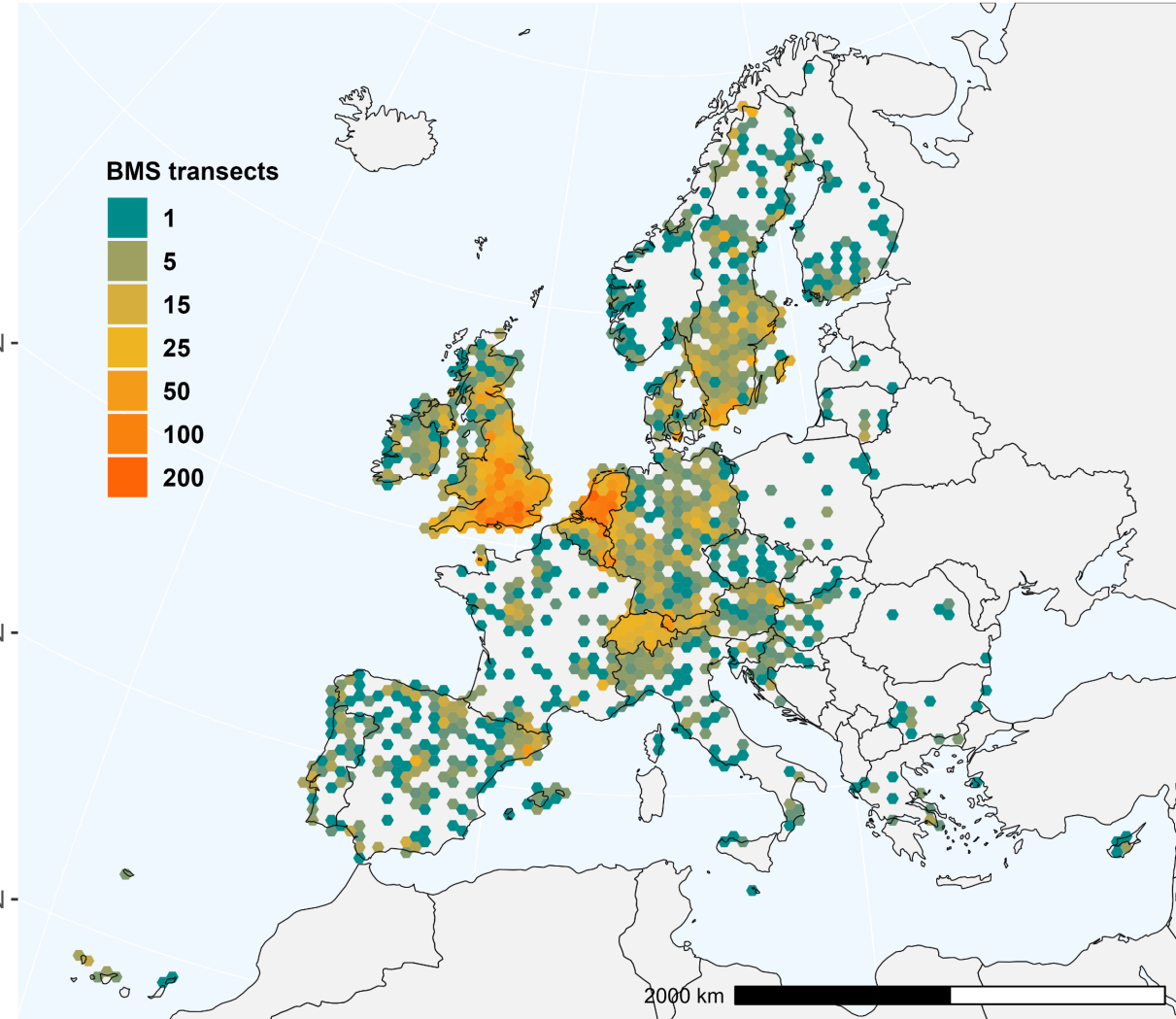
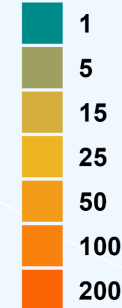


50°N -

40°N -

30°N -

BMS transects

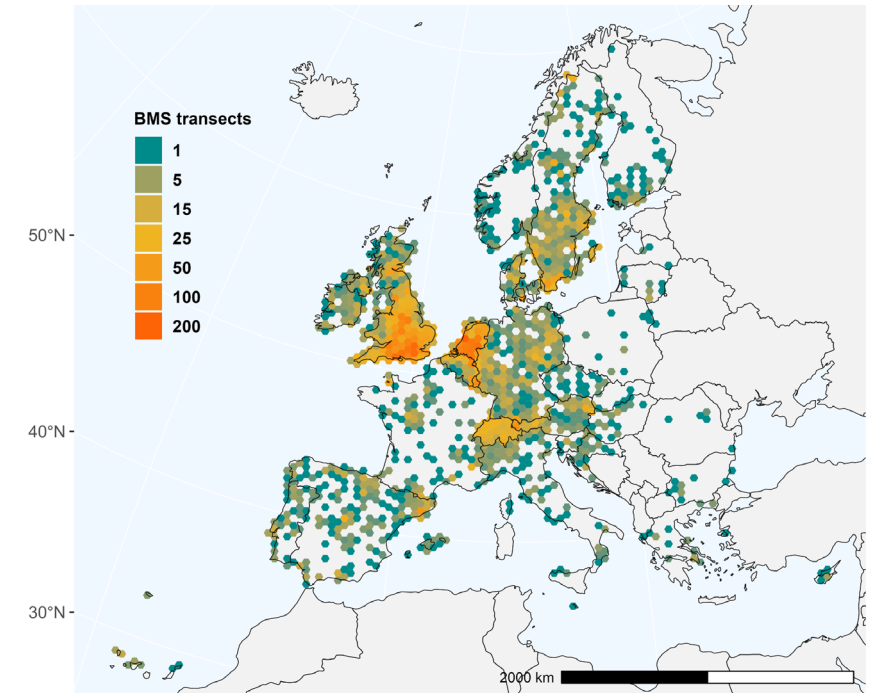
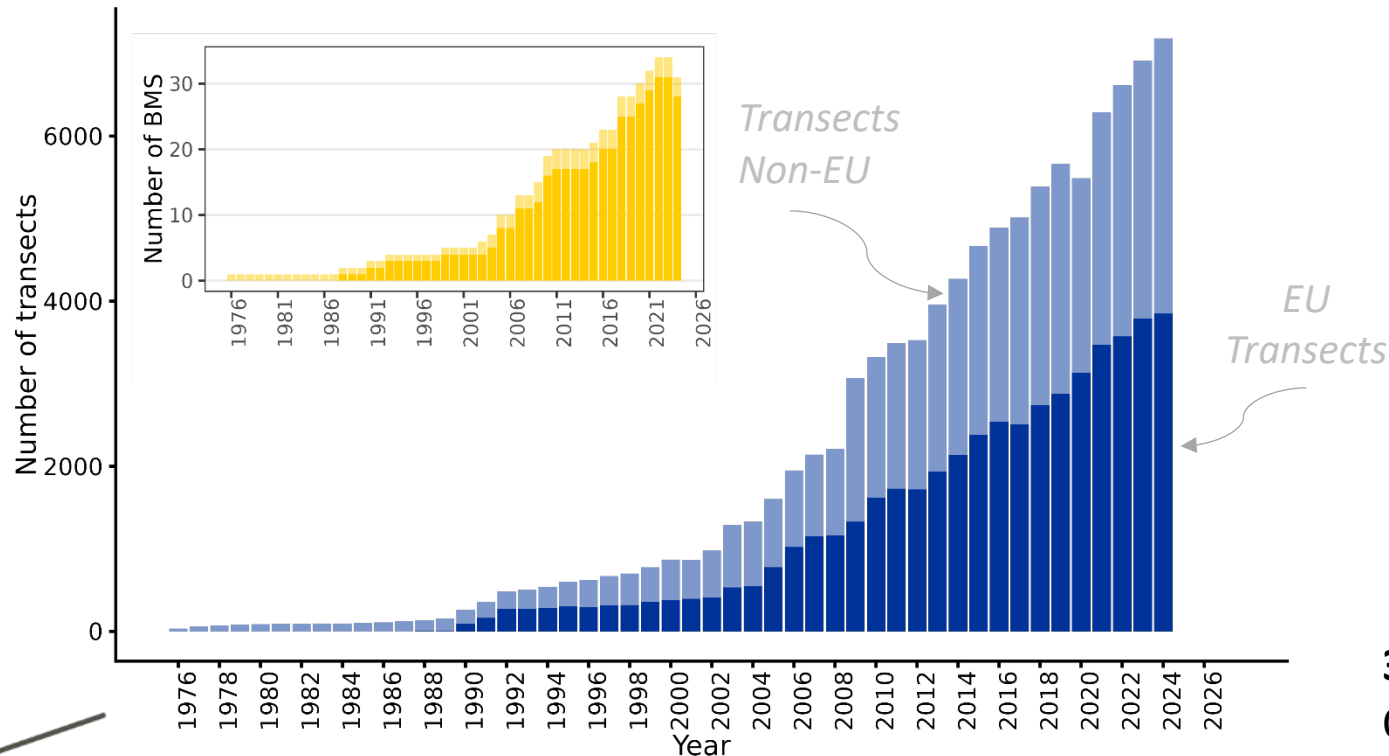


eBMS central database



Transects:

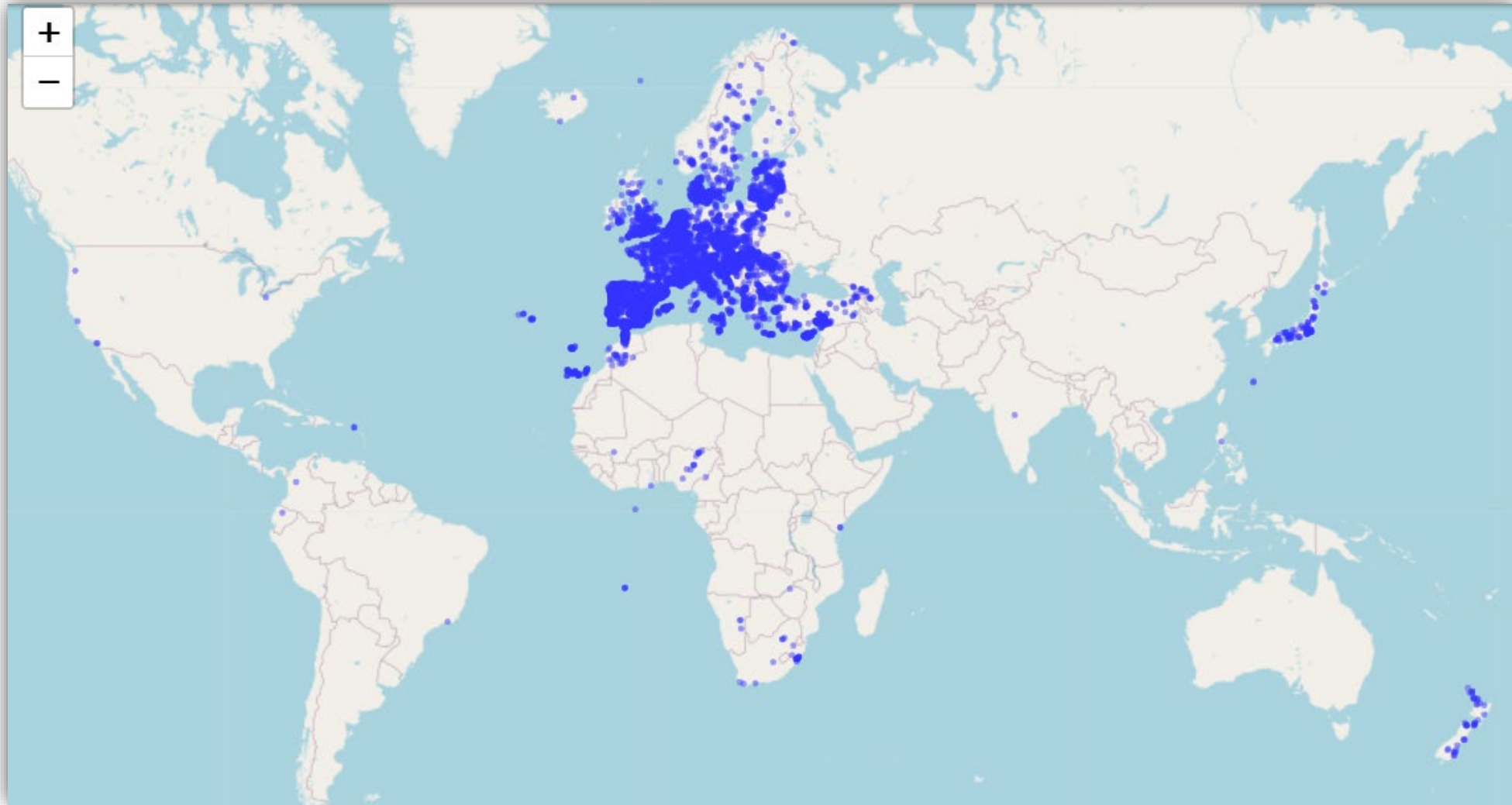
- BMS growing fast across Europe
- Same methodology: comparison between countries/schemes



V7 eBMS database updated 2024: butterfly transects

36 BMS in 30 countries (Europe)
One year data updated!!

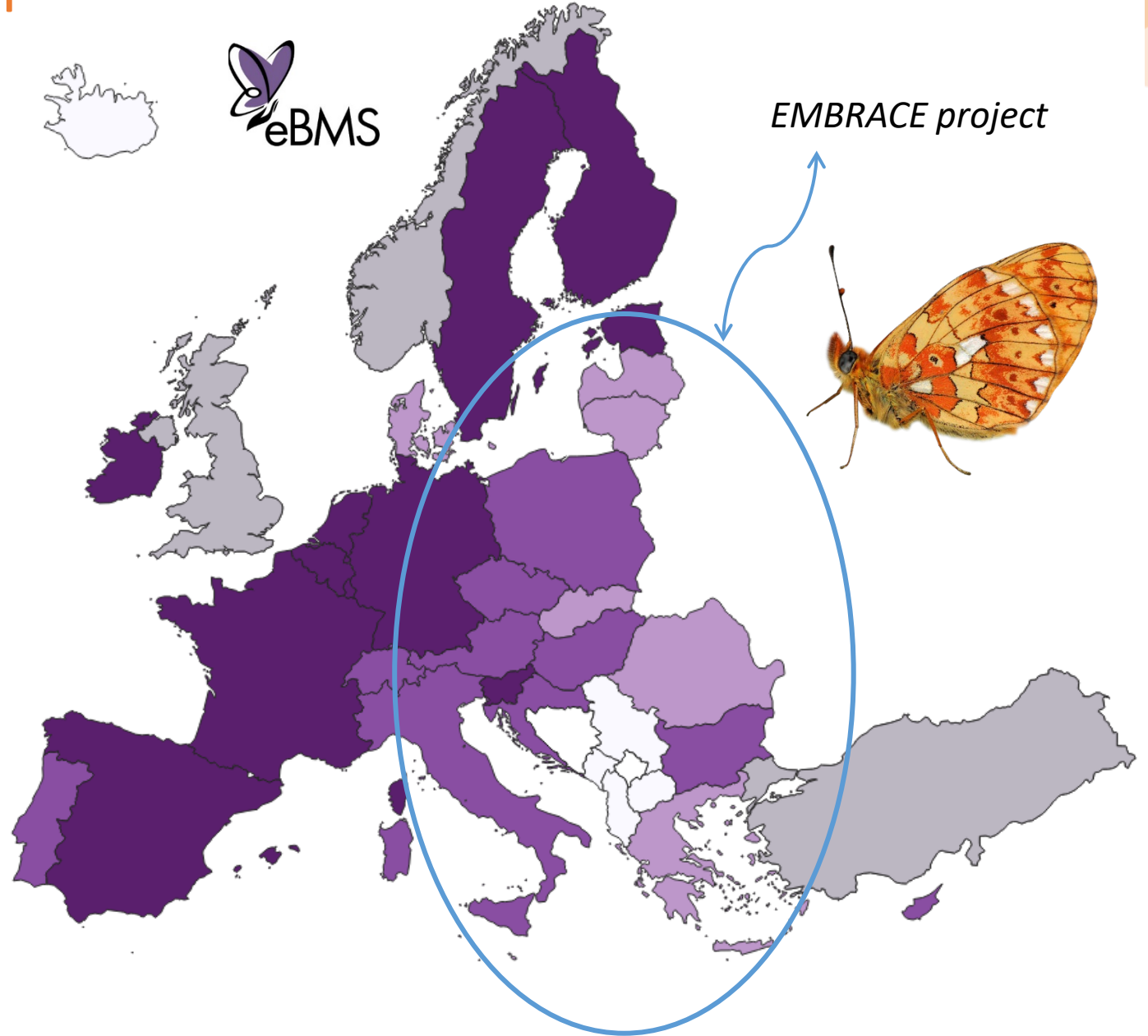
eBMS beyond Europe



eBMS Network update

Robust network of Butterfly Monitoring,
27 EU MS running BMS

-  Stable BMS
-  In Progress BMS
-  Starting BMS
-  Other schemes in Europe



EMBRACE PROJECT

Expanding **M**onitoring of **B**utterflies for **R**estoration **A**nd **C**onservation across Europe 2021-2026



- 2 years EU funded Project: DG-Env (2025-26)
- Co-operation **Vlinderstichting**, UKCEH, BCE and BC UK

Main Tasks:

- **Task 1 Grassland Butterfly Indicator- GBI**
- **Task 2 Capacity building on eBMS network**



EMBRACE PROJECT



Task 1 Grassland Butterfly Indicator:

- **GBI** for EU27 and Europe: updates up to 2025 data
- Help in building national GBI
- **Training for BMS co-ordinators** (GBI calculations, verification, feedbacks...)

- 
- eBMS coordinator Meeting April 2025 in Wageningen
 - Online training for eBMS data management and data validation June 2025



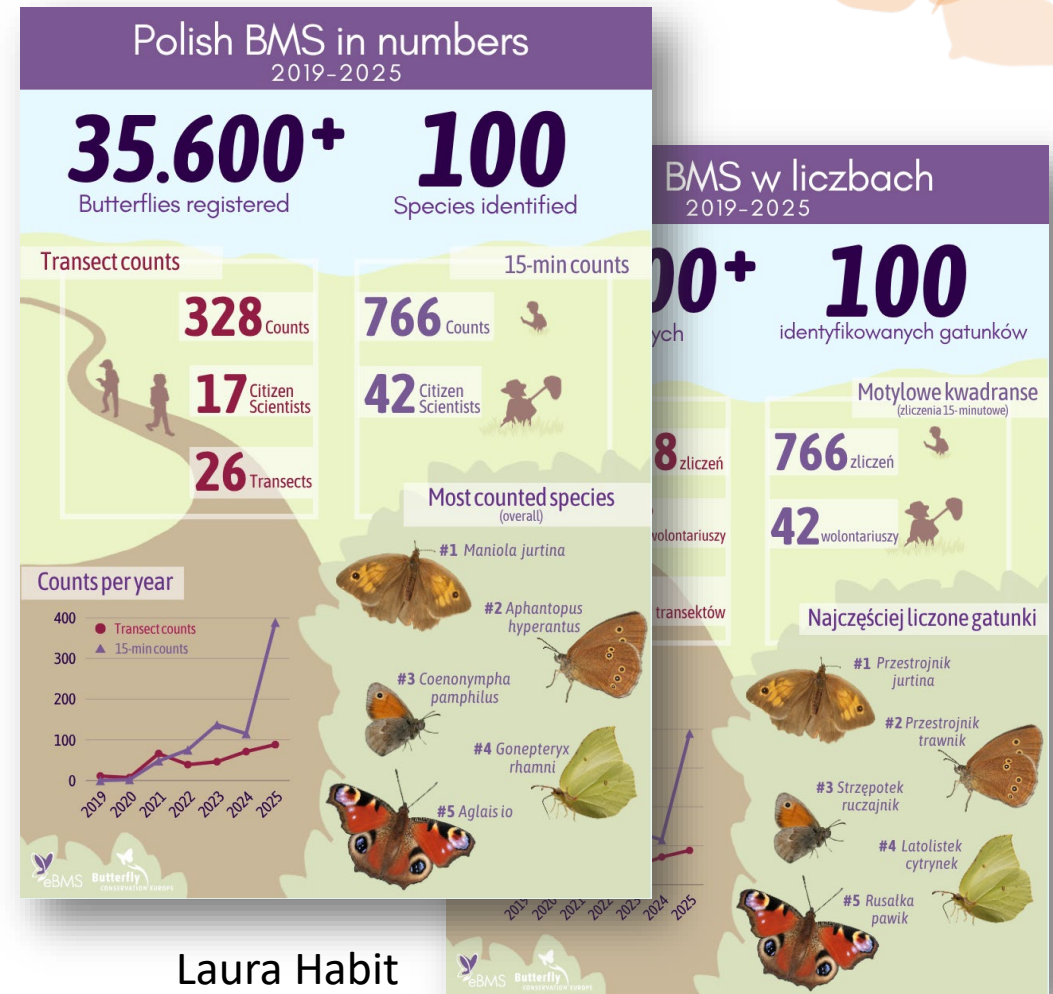
EMBRACE PROJECT

Task 2 Capacity building on eBMS network

- Support national BMS's (Eastern countries)
- eBMS networking and coordination: Enhance community and sustainability of schemes

Supporting Poland BMS

- Review of Polish data on eBMS
- Send personal emails to encourage Polish volunteers to continue counting butterflies



Laura Habit
internship result

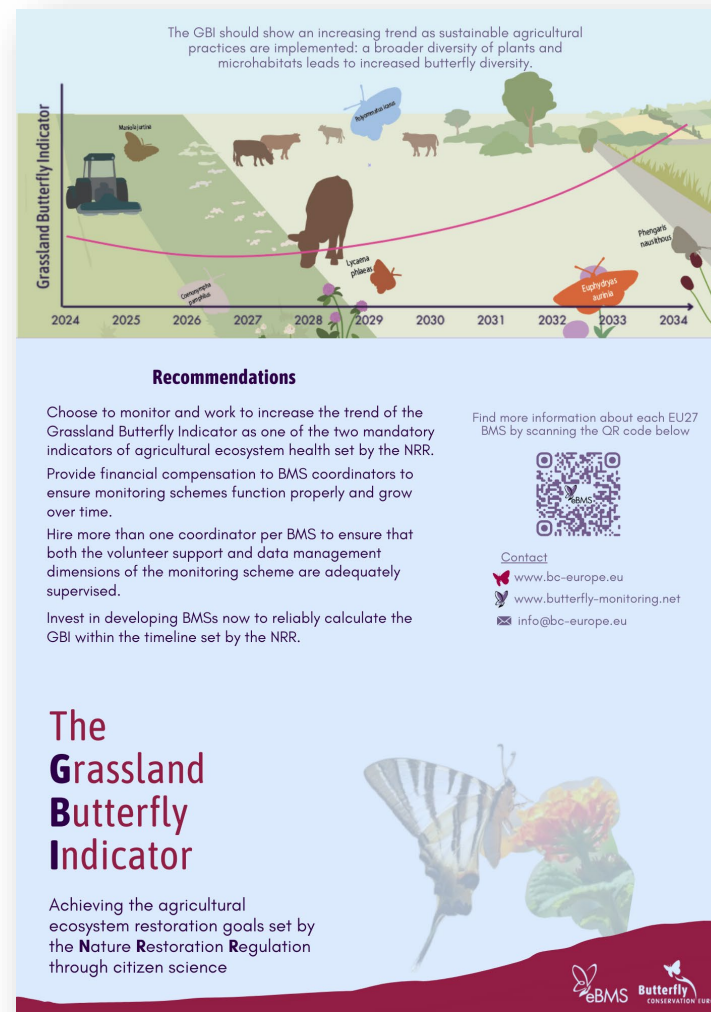
EMBRACE PROJECT

Task 2 Capacity building on eBMS network

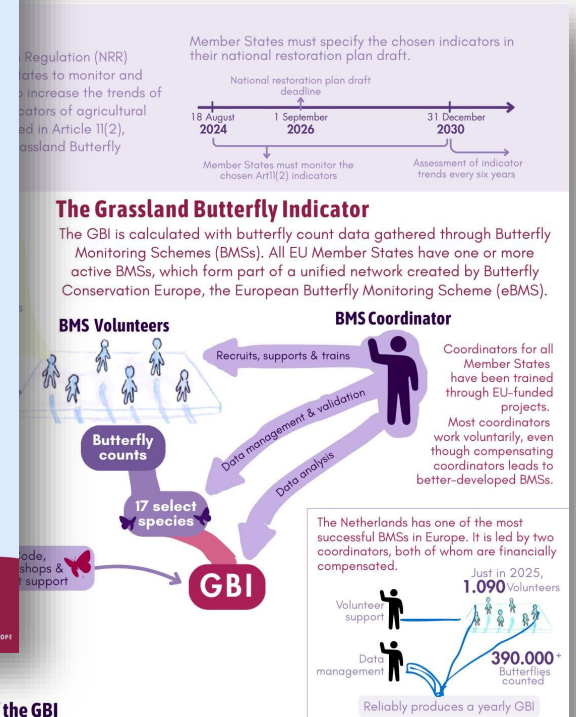
- Support national BMS's (Eastern countries)
- eBMS networking and coordination: Enhance community and sustainability of schemes

Supporting BMSs on EU Policy

- GBI for stakeholders: talk in their language



Preliminary GBI Leaflet Laura Habit internship



EMBRACE PROJECT

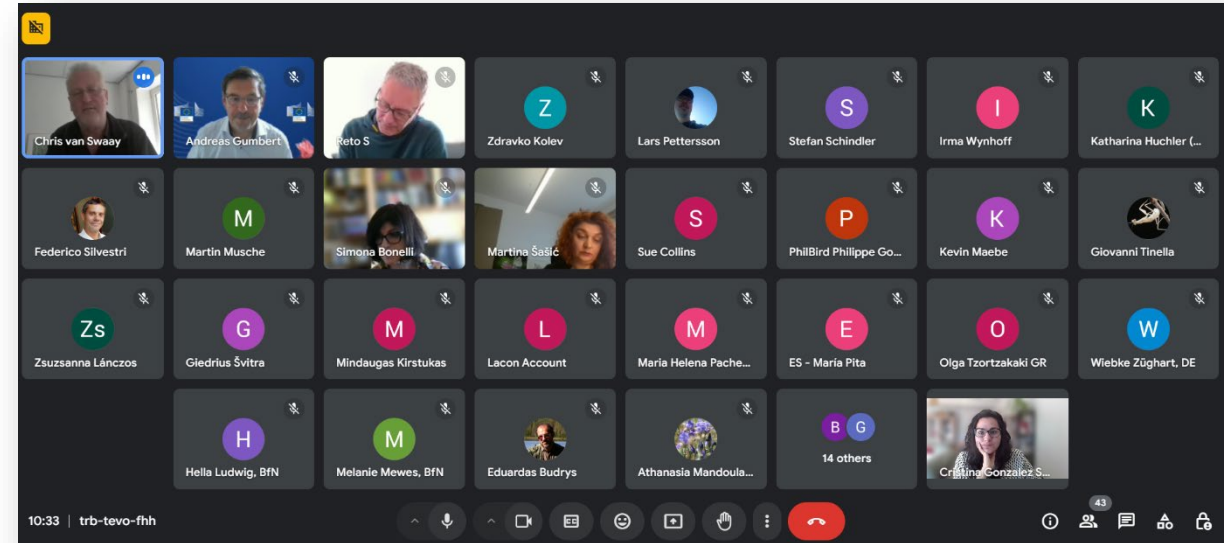


Task 2 Capacity building on eBMS network

- Support national BMS's (Eastern countries)
- eBMS networking and coordination: Enhance community and sustainability of schemes



- Two webinars Member States: eBMS + GBI
- BCE + eBMS meeting Laufen December 2025
- Visits to Ministries 2026: eBMS + GBI

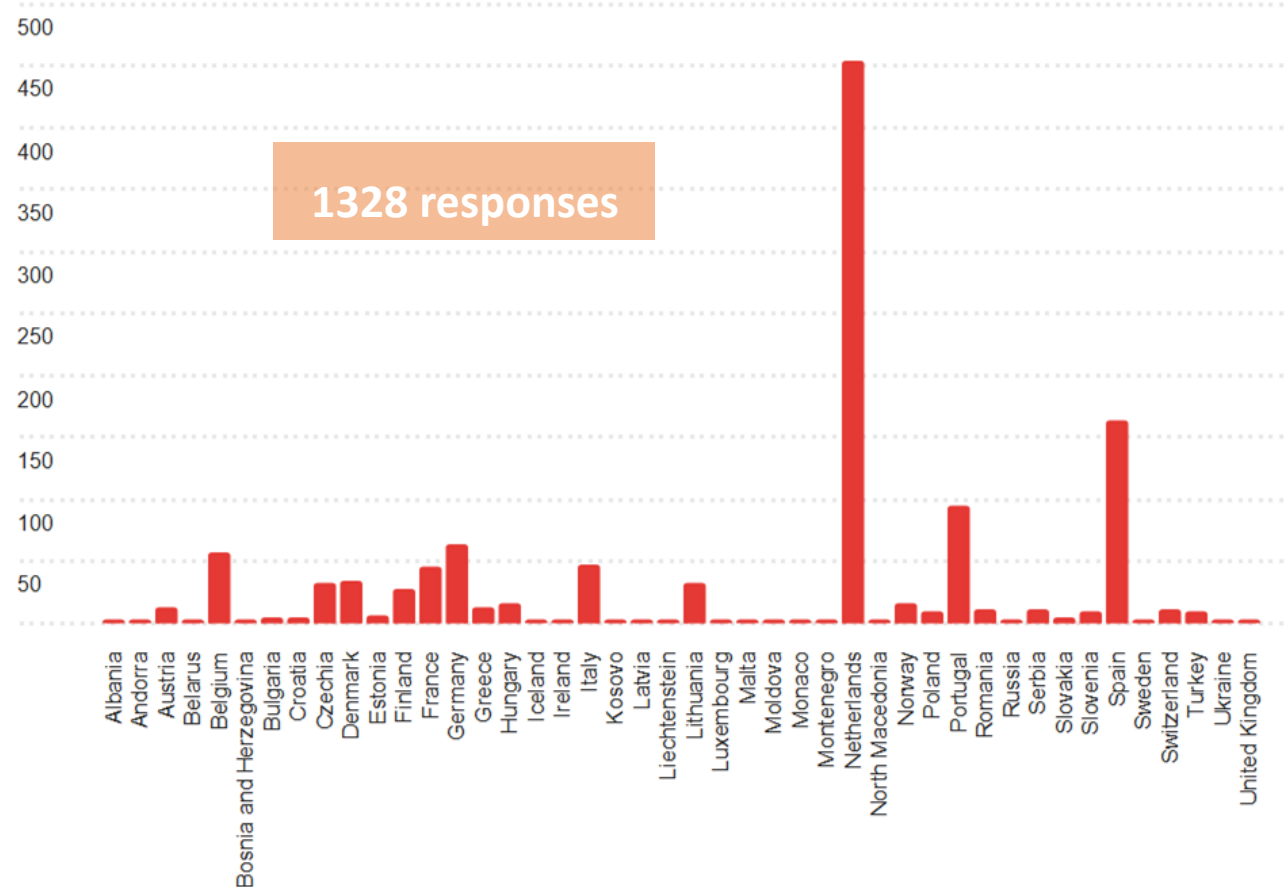
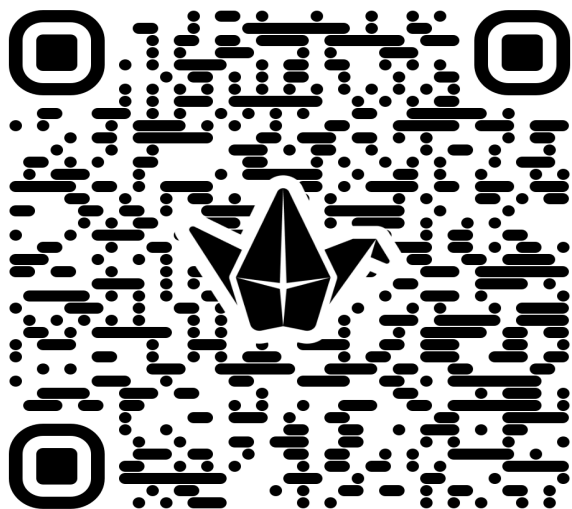


EMBRACE PROJECT



Task 2 Capacity building on eBMS network

- Support national BMS's (Eastern countries)
- eBMS networking and coordination: Enhance community and sustainability of schemes
- Template feedbacks: eBMS survey



Please share your comments, suggestions for further analysis and insight on this Padlet board. Click the "+" button to add.

martha@techworksforus.com

eBMS Network update



BMS schemes updating their current situation:



1. *Denmark – Anne Eskildsen*
2. *Austria – Daniela Lehner*
3. *Hungary – András Szabadfalvi*
4. *Slovenia – Barbara Zakšek*
5. *Romania - László Rákossy*



eBMS tools update



eBMS tools updates



Butterfly Count app

- Projects to be added to 15min counts

The image shows two smartphone screens side-by-side, illustrating the Butterfly Count app interface. The left screen is titled '15min Count' and has a 'Finish' button in the top right. It displays a 'Details' section with fields for 'Area' (3602 m²), 'Duration' (12:48), and 'Additional Details'. Below this is an 'Add species' button. At the bottom, there is a table with two rows of butterfly counts.

Count	Species	
1	Aglais urticae	⚠ >
2	Pieris napi	⚠ >

The right screen is titled 'Additional Details' and has a 'BACK' button in the top left. It displays 'Weather Conditions' with fields for 'Temperature' (5), 'Cloud' (100), 'Wind Direction' (NE), and 'Wind Speed' (Slight smoke drift). Below this is a 'Photo' section with a camera icon and the text 'No photo has been added. Press [camera icon] to add.' and a note 'Representative photo of where the 15 minute count was made'. At the bottom, there is an 'Other' section with a 'Project' field (circled in red) and a 'Sensitive' toggle switch.

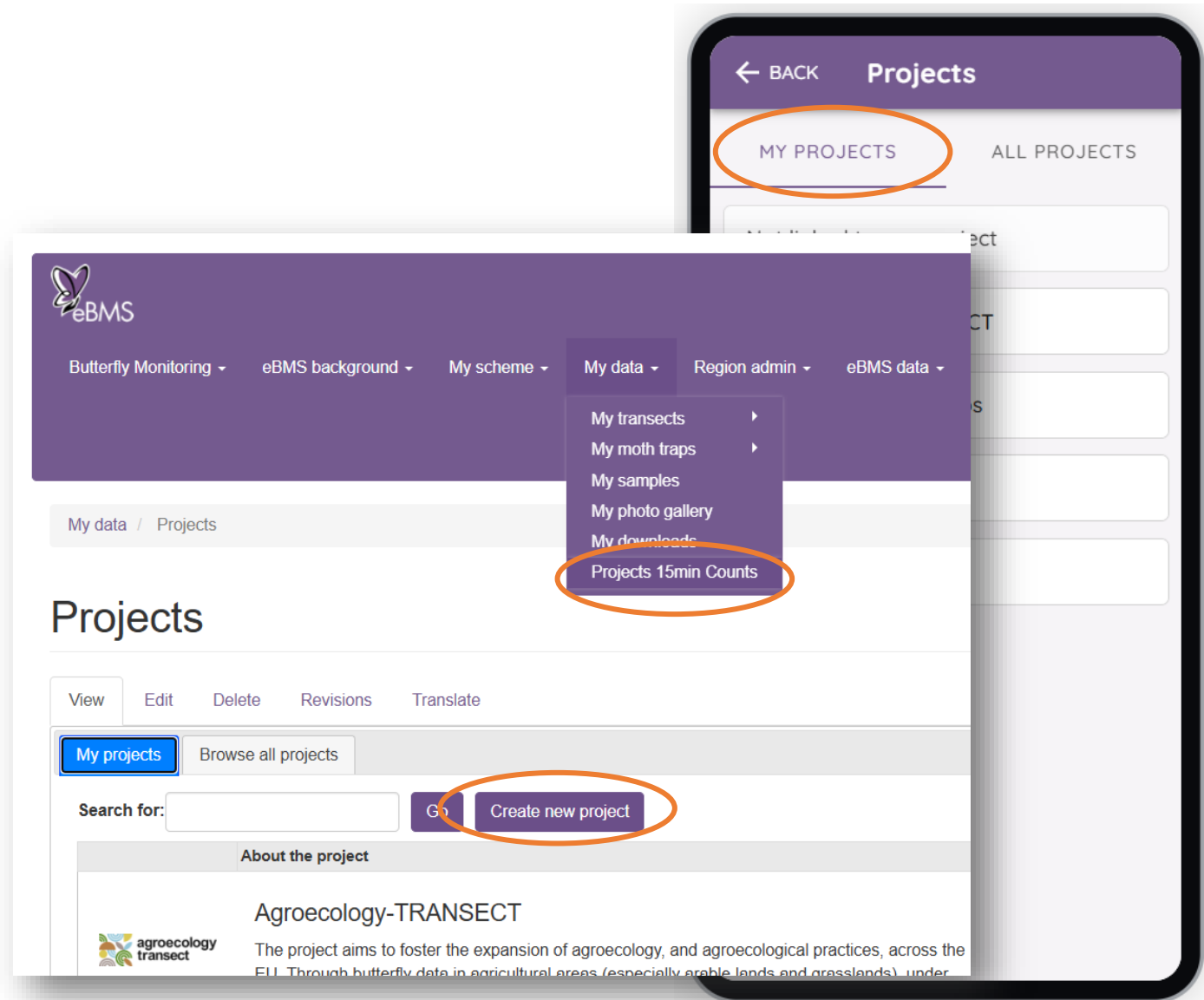
eBMS tools updates



Butterfly Count app

- Projects to be added to 15min counts

Projects have to be created on the website. Refresh on the app.



eBMS tools updates



Butterfly Count app

- Projects to be added to 15min counts

Managing of the projects on the website: download, add people, manage sites...

My projects

Browse all projects

Search for:

Go

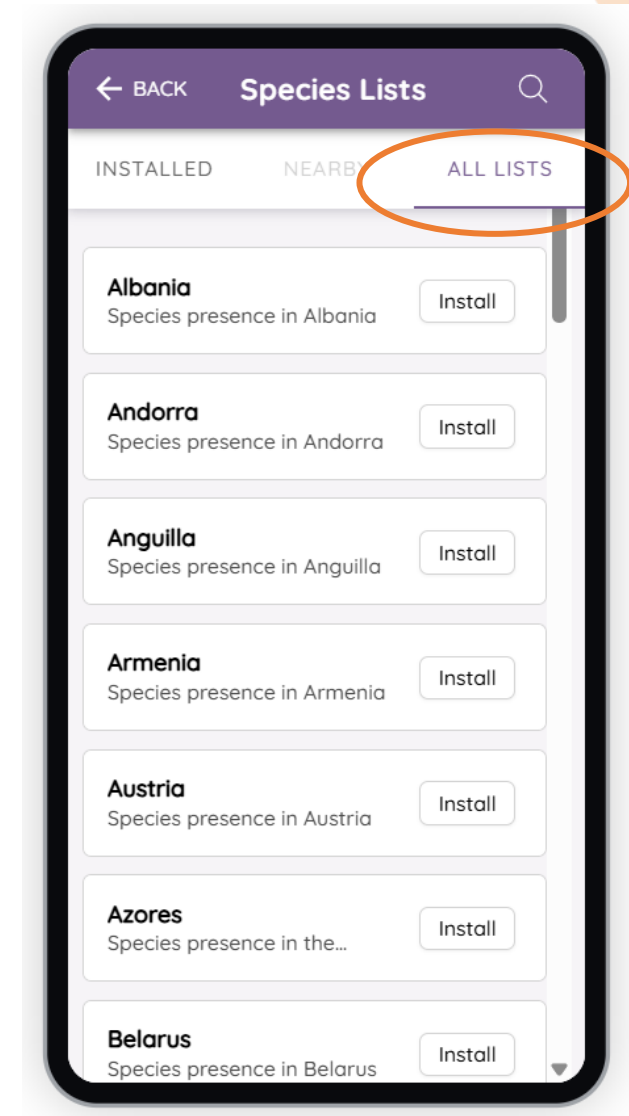
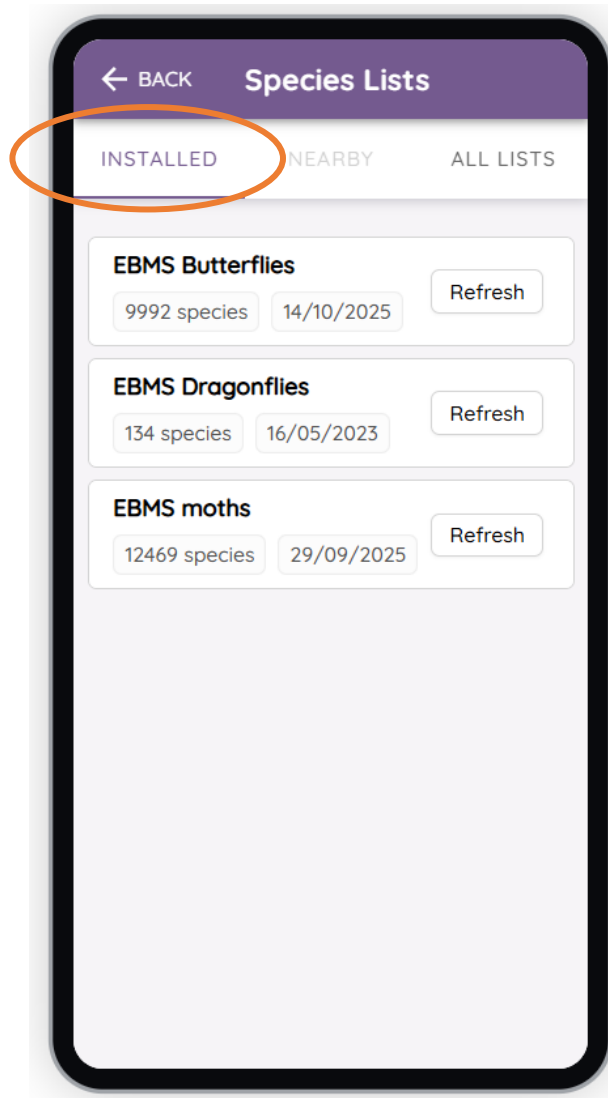
Create new project

About the project		Members	Links	Actions
	Agroecology-TRANSECT The project aims to foster the expansion of agroecology, and agroecological practices, across the EU. Through butterfly data in agricultural areas (especially arable lands and grasslands), under agroecological practices compared to others, we wish to learn about the effects on biodiversity.	29	Manage sites	
	Cantera Yepes-Ciruelos	3	Project downloads Manage sites	
	Pinto En Verde Recuentos de 15 minutos en áreas de plantación o de flores para ver la presencia de mariposas. Pinto en verde es un proyecto de SEO.	2	Edit/Add records Project downloads Manage sites	

eBMS tools updates

Butterfly Count app

- Species lists to be downloaded



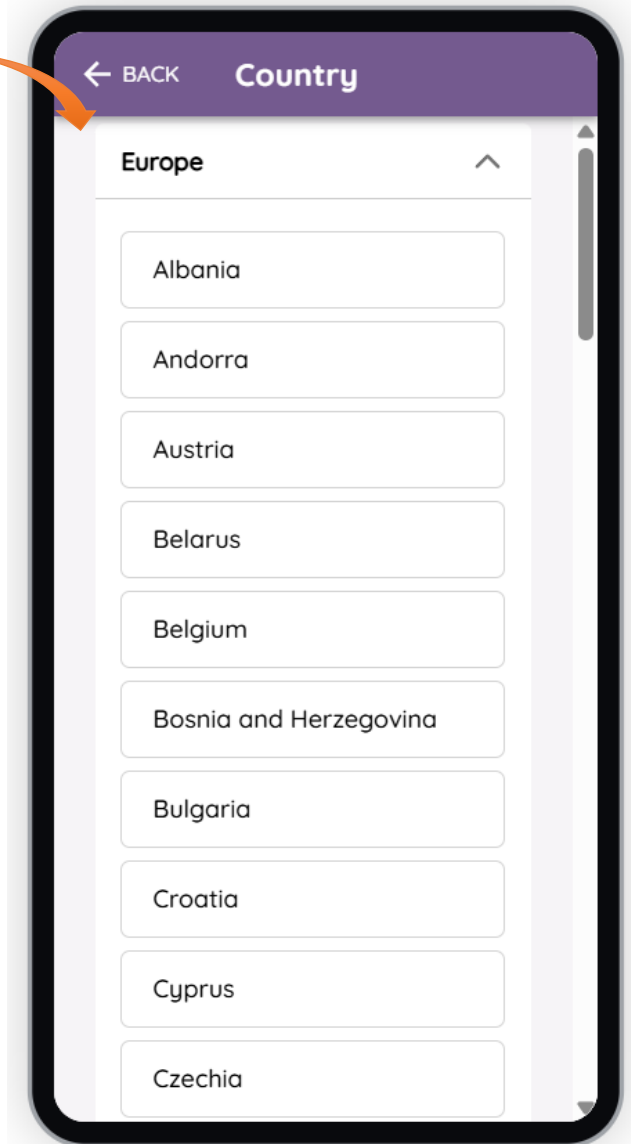
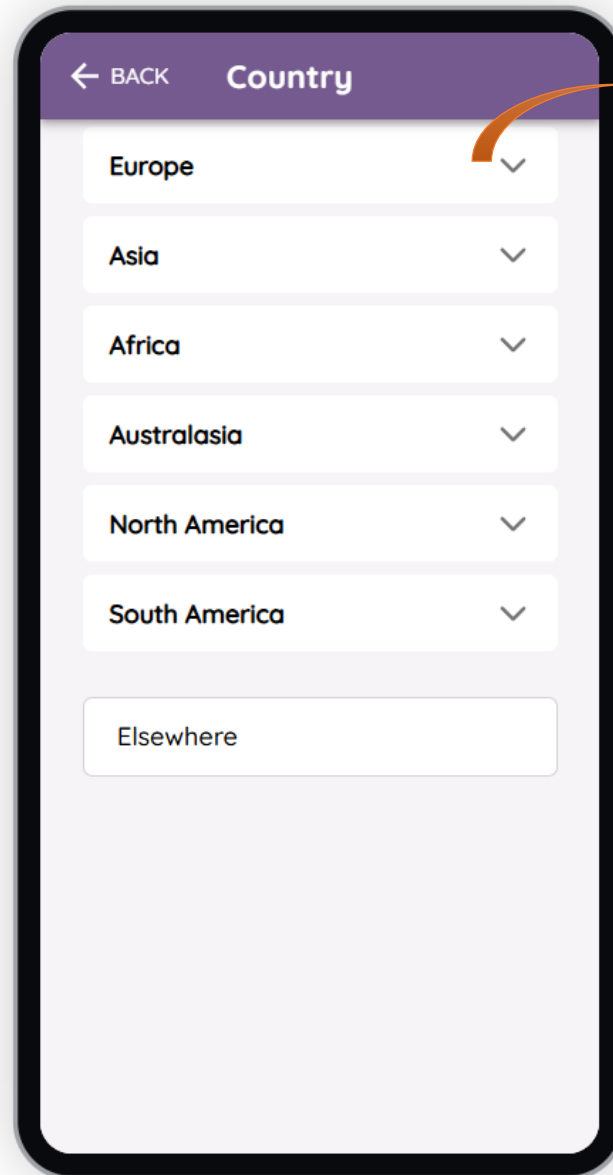
eBMS tools updates



Butterfly Count app

- Sorting the country lists:

More countries, more continent;
we sorted the countries by
continents



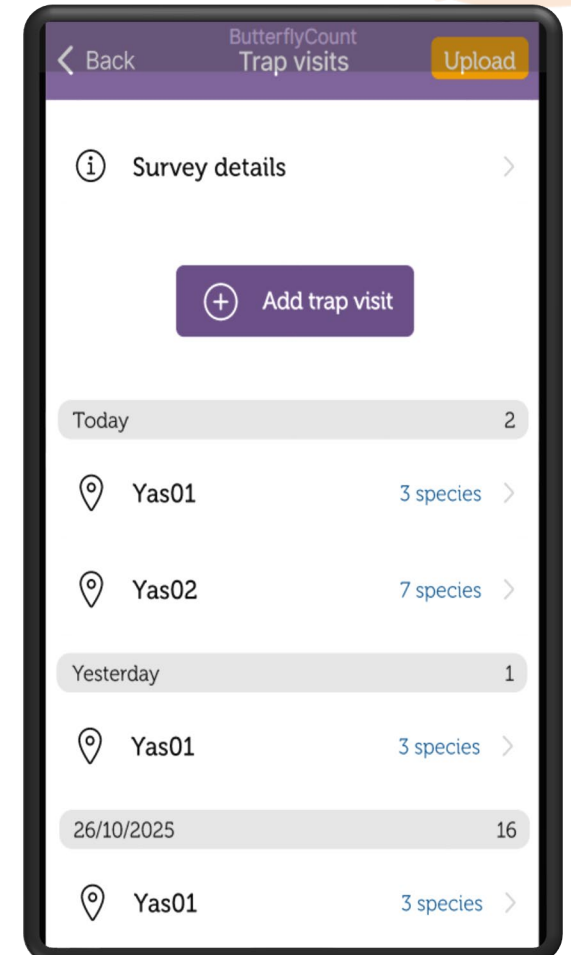
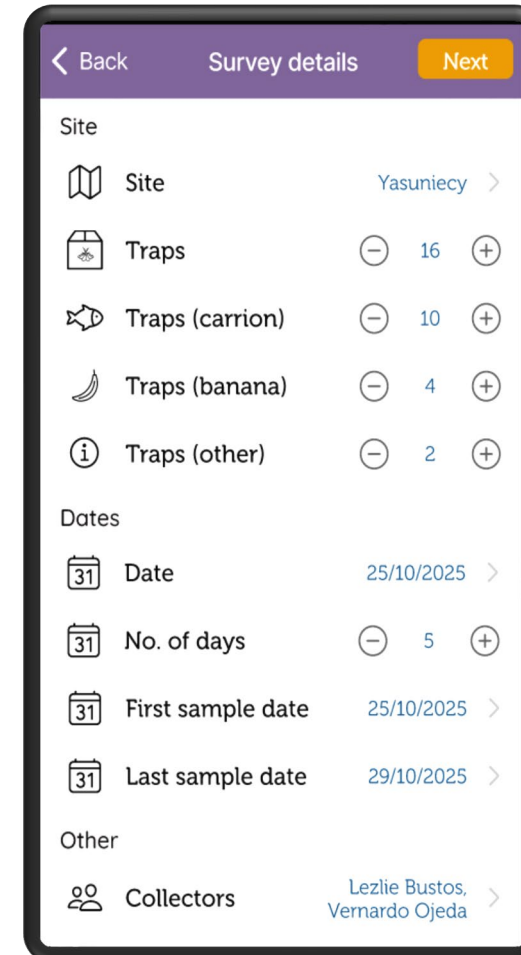
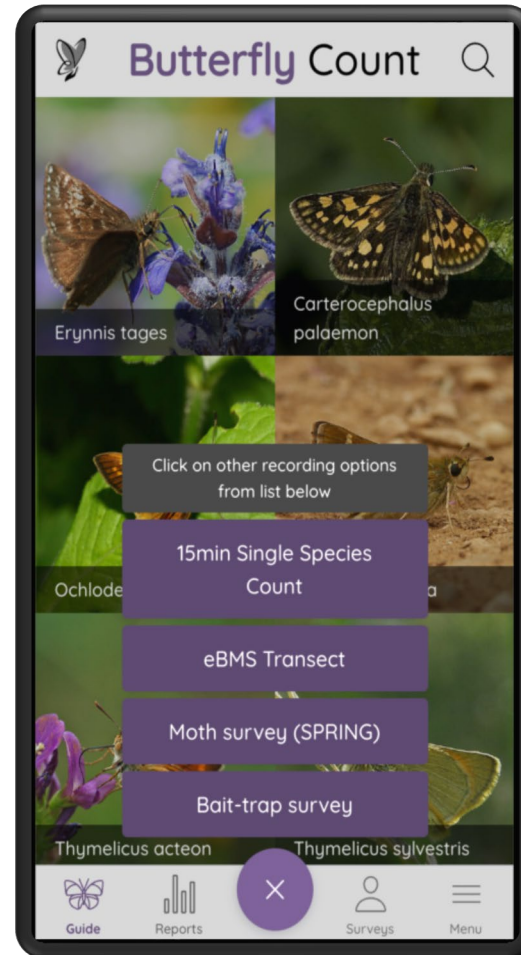
eBMS tools updates



Butterfly Count app

- Bait trap survey being designed for app

Gathering butterflies in tropical regions

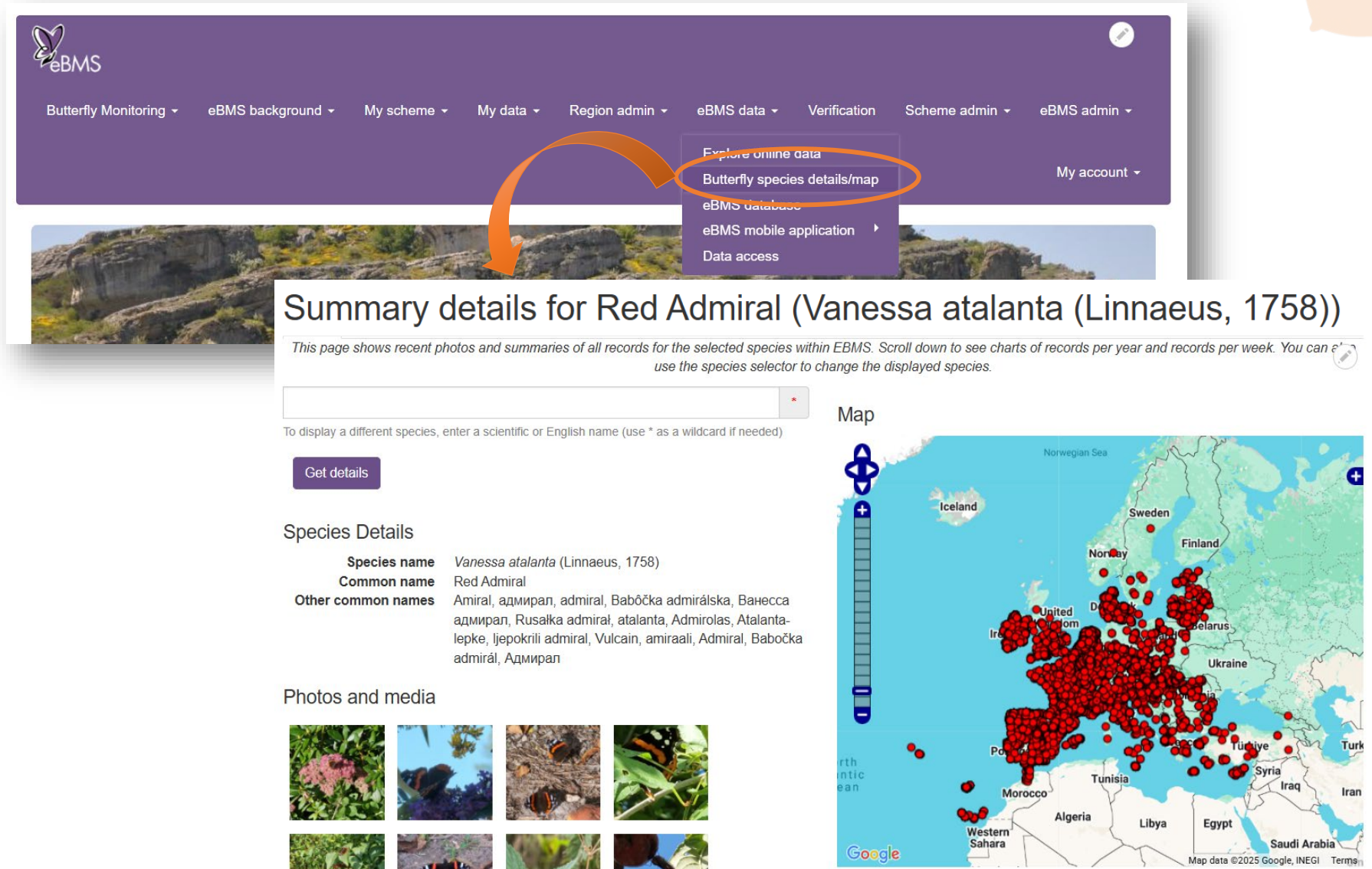


eBMS tools updates



Website

- Butterfly Species details map



The screenshot shows the eBMS website interface. The top navigation bar includes links for Butterfly Monitoring, eBMS background, My scheme, My data, Region admin, eBMS data, Verification, Scheme admin, eBMS admin, and My account. A dropdown menu under 'eBMS data' is open, highlighting 'Butterfly species details/map'. Below the navigation bar, there is a banner image of a rocky landscape. The main content area is titled 'Summary details for Red Admiral (Vanessa atalanta (Linnaeus, 1758))'. It includes a search bar with a red star icon, a 'Get details' button, and a section for 'Species Details' listing the species name, common name, and other common names. To the right of the text is a map of Europe and North Africa with red dots indicating the distribution of the species. Below the species details is a section for 'Photos and media' showing a grid of images.

Navigation Menu:

- Butterfly Monitoring
- eBMS background
- My scheme
- My data
- Region admin
- eBMS data
 - Explore online data
 - Butterfly species details/map**
 - eBMS database
 - eBMS mobile application
 - Data access
- Verification
- Scheme admin
- eBMS admin
- My account

Summary details for Red Admiral (Vanessa atalanta (Linnaeus, 1758))

This page shows recent photos and summaries of all records for the selected species within EBMS. Scroll down to see charts of records per year and records per week. You can use the species selector to change the displayed species.

*

To display a different species, enter a scientific or English name (use * as a wildcard if needed)

Get details

Species Details

Species name	Vanessa atalanta (Linnaeus, 1758)
Common name	Red Admiral
Other common names	Amiral, адмирал, admiral, Babočka admirálska, Ванесса адмирал, Rusalka admiral, atalanta, Admirolas, Atalanta-lepke, Ijepokrili admiral, Vulcain, amiraali, Admiral, Babočka admirál, Адмирал

Photos and media

Map

Map showing the distribution of Red Admiral (Vanessa atalanta) across Europe and North Africa. The map includes labels for various countries and regions, such as Iceland, Sweden, Finland, Norway, United Kingdom, Ireland, Poland, Czech Republic, Slovakia, Austria, Hungary, Germany, France, Italy, Spain, Portugal, Morocco, Tunisia, Libya, Egypt, Saudi Arabia, Turkey, Syria, Iraq, Iran, and Western Sahara. Red dots indicate the locations where the species has been recorded.

eBMS tools updates



Website

- My photo gallery

My data / My photo gallery

My photo gallery

Use the filters below to view your photos.

Date From:
dd/mm/yyyy

Date To:
dd/mm/yyyy

Taxon Group:
<please select>

- insect - butterfly
- insect - dragonfly (Odonata)
- insect - hymenopteran
- insect - moth

for, or leave for all groups

eBMS

Butterfly Monitoring ▾ eBMS background ▾ My scheme ▾ My data ▾ Region admin ▾ eBMS data ▾ Verification

My transects ▸
My moth traps ▸
My samples
My photo gallery
My downloads
Projects 15min Counts

Photographs

<i>Mythimna ferrago</i> tegelrödt gräsflä 14/08/2025 Herreria	<i>Unknown</i> Unbekannt 14/08/2025 Herreria	<i>Unknown</i> Unbekannt 14/08/2025 Herreria	<i>Unknown</i> Unbekannt 14/08/2025 Herreria	<i>Scopula rubiginata</i> rödlätt lövmätare 14/08/2025 Herreria
<i>Paidia rica</i> Mauer-Flechtenbärchen 14/08/2025 Herreria	<i>Paidia rica</i> Mauer-Flechtenbärchen 14/08/2025 Herreria	<i>Unknown</i> Unbekannt 14/08/2025 Herreria	<i>Idaea biselata</i> tofsotad lövmätare 14/08/2025 Herreria	<i>Unknown</i> Unbekannt 14/08/2025 Herreria
<i>Scoparia/Eudonia spec.</i> 14/08/2025 Herreria	<i>Scoparia/Eudonia spec.</i> 14/08/2025 Herreria	<i>Campogramma bilineata</i> Ockergelber Blattspanner 14/08/2025 Herreria	<i>Campogramma bilineata</i> Ockergelber Blattspanner 14/08/2025 Herreria	<i>Idaea straminata</i> våglinjelövmätare 14/08/2025 Herreria

eBMS tools updates



Website

- Working on the Taxon list viewer page
- No open still on the menu

Report parameters

Taxon group:

Butterflies

<all>

Butterflies

Moths

Bumblebees

Dragonflies

<all>

Continent, country or region.

Species viewer

Report parameters

Taxon group:

Butterflies

Choose from butterflies, moths, bumblebees, or dragonflies.

Include higher level taxa?

Include higher level taxa? (above species aggregate).

Continent/country/region:

Croatia

Choose from continent, country or region.

Filter based on species presence:

P

Change to "all" if you wish to return any presence status.

Include common names?

<none>

Limit common names language

Include synonym?

Include synonyms in results?

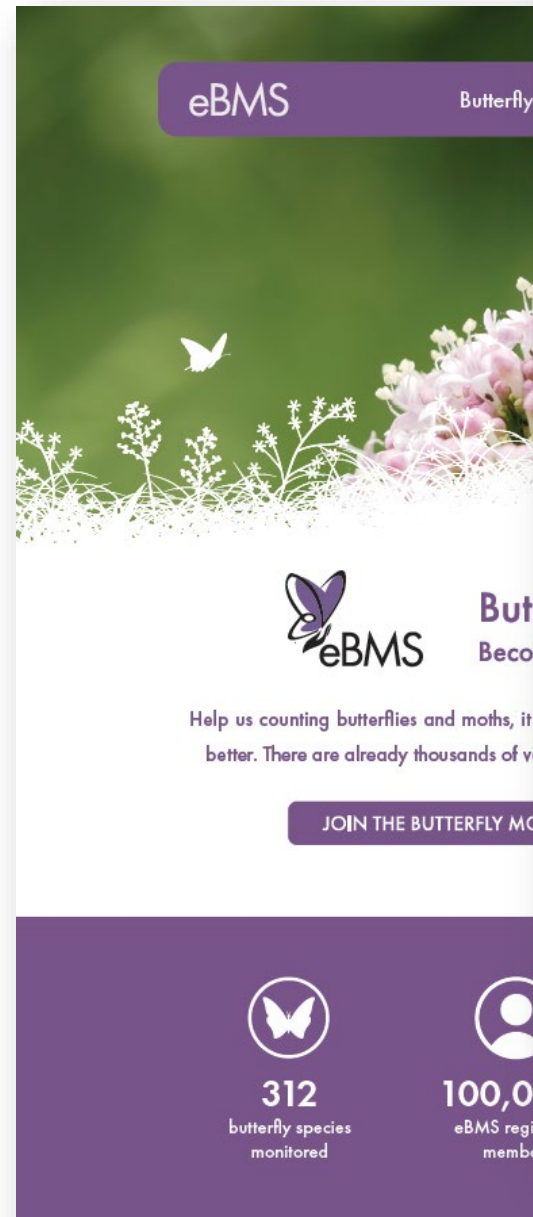
Filter

ID	Taxon name	Common names	Synonyms	Taxon group	Images
432425	Aglais io			Butterfly	 
432426	Aglais urticae			Butterfly	 
432244	Anthocharis cardamines			Butterfly	 

eBMS tools updates

Website

- Website redesign



BMS Activity Map

Search Method **All** Country/EU NUTS Region **All Locations**

[VIEW FULL MAP](#)

Top BMS Schemes

Sort by **15-min Counts**

	15-min Counts	Transacts	Moth Traps
1 Netherlands	260326	None	1271
2 Spain	189320	283594	15785
3 Germany	69176	140	4642
4 France	56125	240969	1565
5 Portugal	28775	49145	83256

[VIEW ALL SCHEMES](#)

000,000 eBMS Members
Join one of the biggest citizen science networks

Help Butterflies Worldwide
Monitoring butterflies in your area will contribute to science

Make a Real Difference
Other taxa such as bumblebees and dragonflies can be counted

Butterfly Records

See all the records submitted to eBMS from many different places around the world

[BUTTERFLY RECORDS](#)

Explainer Videos

See how to use the eBMS website on the BCE Youtube Channel or [check the pdf](#) of the eBMS Guidelines with all the explanations.

[EXPLAINER VIDEOS](#)



Thank you!



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