

SPRING

Task 1.1 Expand European Butterfly Monitoring Scheme



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BCE and Vlinderstichting



The SPRING project team



eBMS coordinator meeting 12th Jan 2024



Task 1.1 Growing eBMS capacity across EU



Butterfly
CONSERVATION EUROPE

Aims and results

- ▶ To achieve complete coverage of European Butterfly Monitoring Schemes **in all EU Member States**, run mainly by trained volunteers as a form of citizen science; ➡ **27 EU MS running BMS**
- ▶ Integration between the eBMS with the EU Pollinator Monitoring Scheme; including expanding support from EU MSs ➡ **Worked closely with MVS**
- ▶ **Identification and training** of volunteers and national coordinators
- ▶ **Resources** to support national schemes, such as tailored identification guides, including translation to native languages
- ▶ World leading **tools** and resources to support Butterfly Monitoring Schemes across the EU;
- ▶ Updates to existing EU Butterfly **Indicators**, ➡ **Updated Grassland Butterfly Indicator**
- ▶ An updated database of Butterfly Monitoring Scheme counts to support EU **policy evaluation and research**. ➡ **Updated v5 up to 2021**

Workshops,
trainings,
field guides,
App, tools...

Task 1.1 Growing eBMS capacity across EU



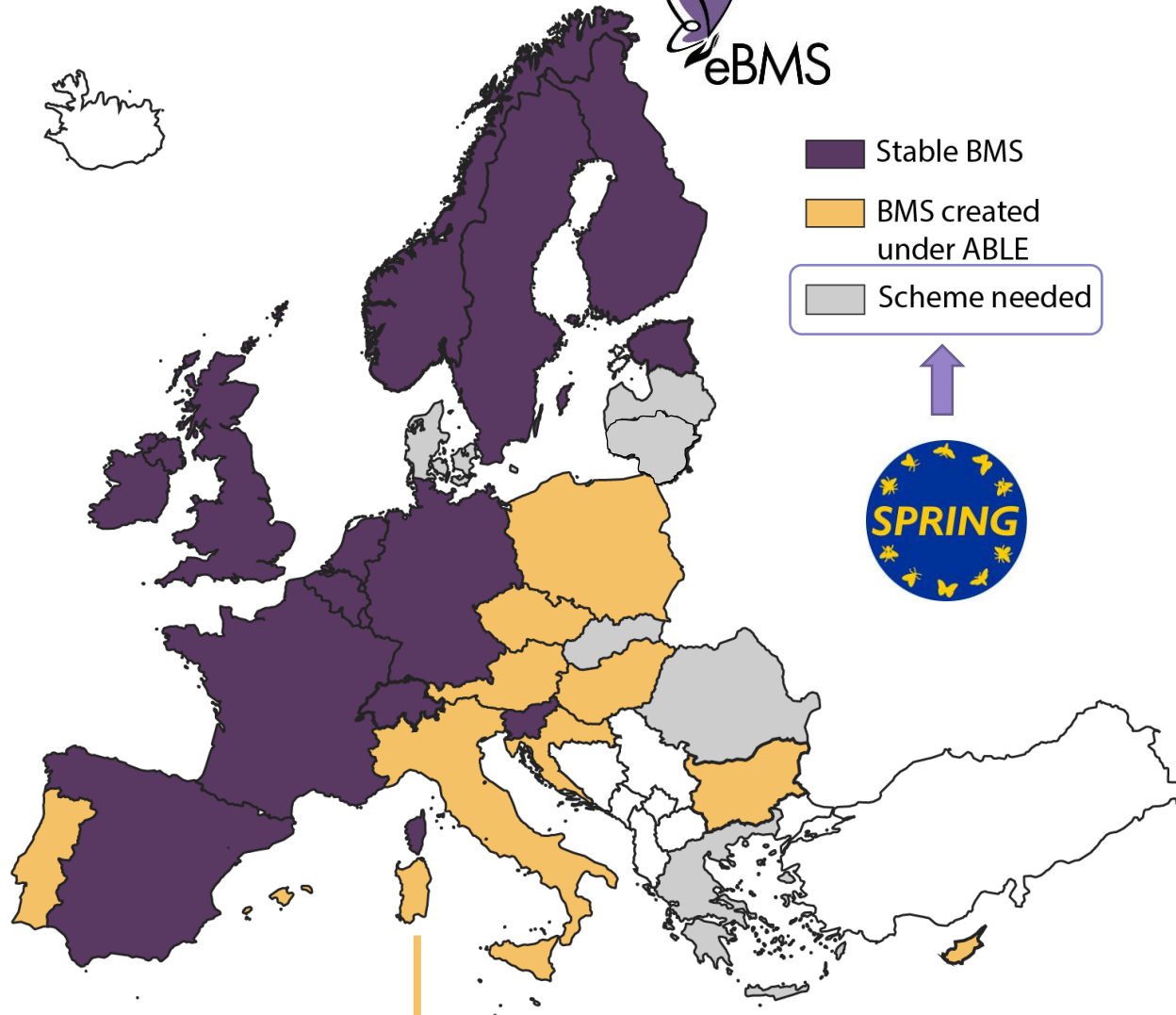
Butterfly
CONSERVATION EUROPE

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Workshops,
trainings,
field guides,
App, tools...

eBMS Status 2021



Focus countries SPRING:





- | | |
|--------------|-------------|
| 1. Denmark | 4. Slovakia |
| 2. Lithuania | 5. Romania |
| 3. Latvia | 6. Greece |

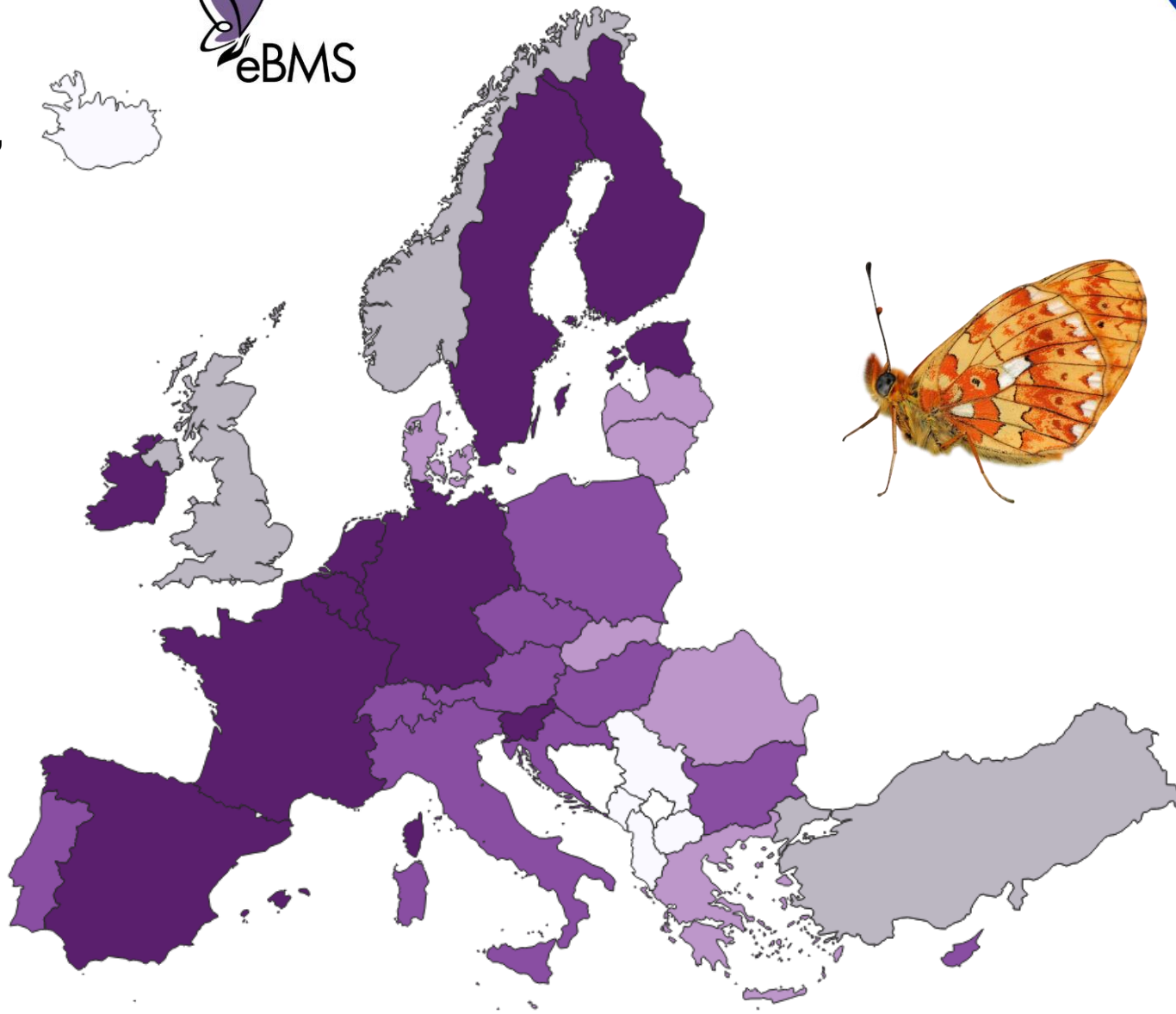
Support and further development during the project

eBMS Status 2024



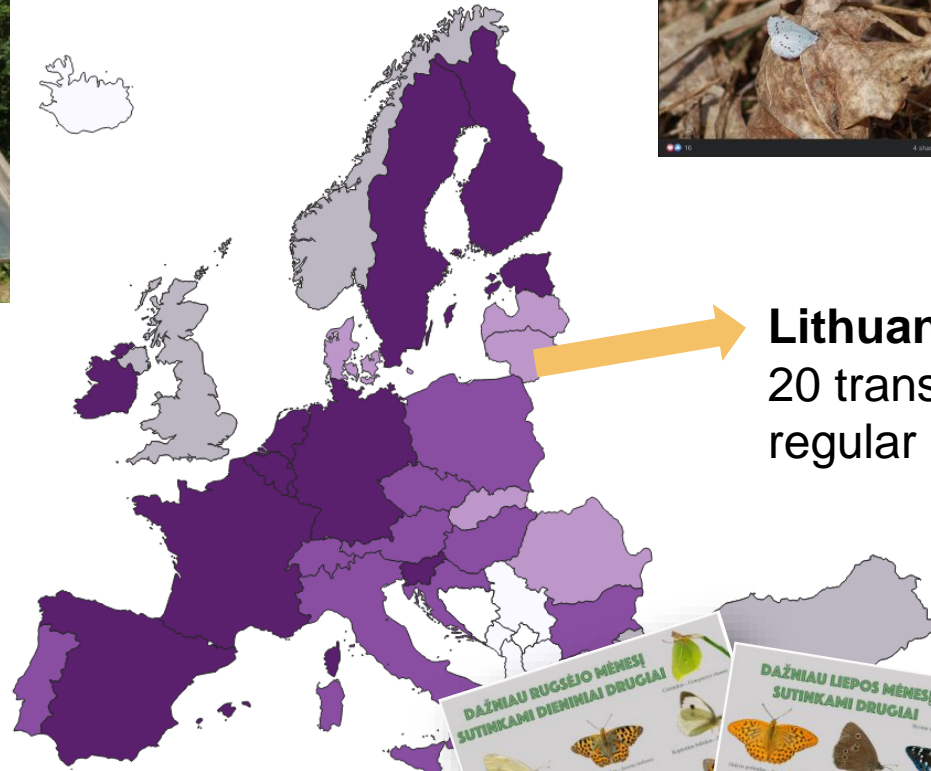
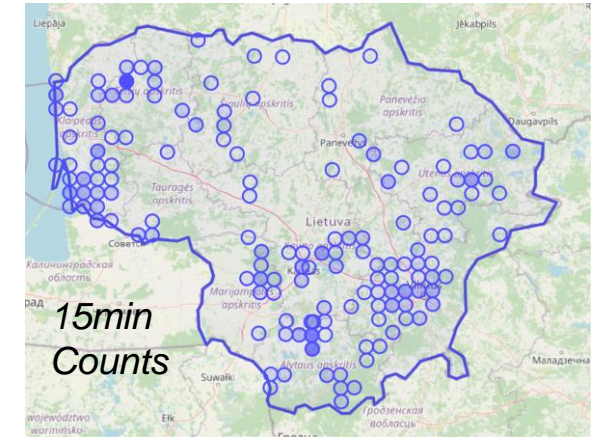
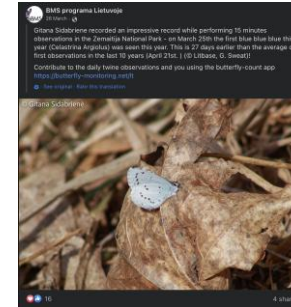
Robust network of Butterfly Monitoring,
27EU running BMS

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

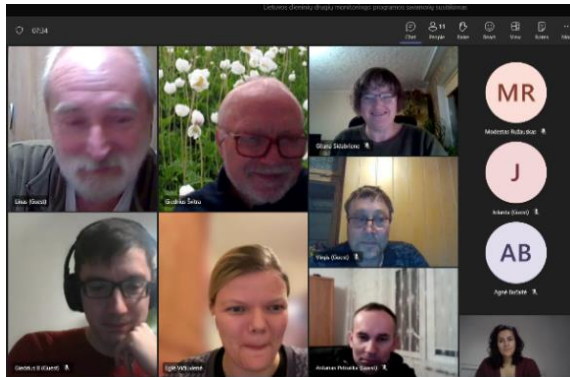


eBMS development

2021



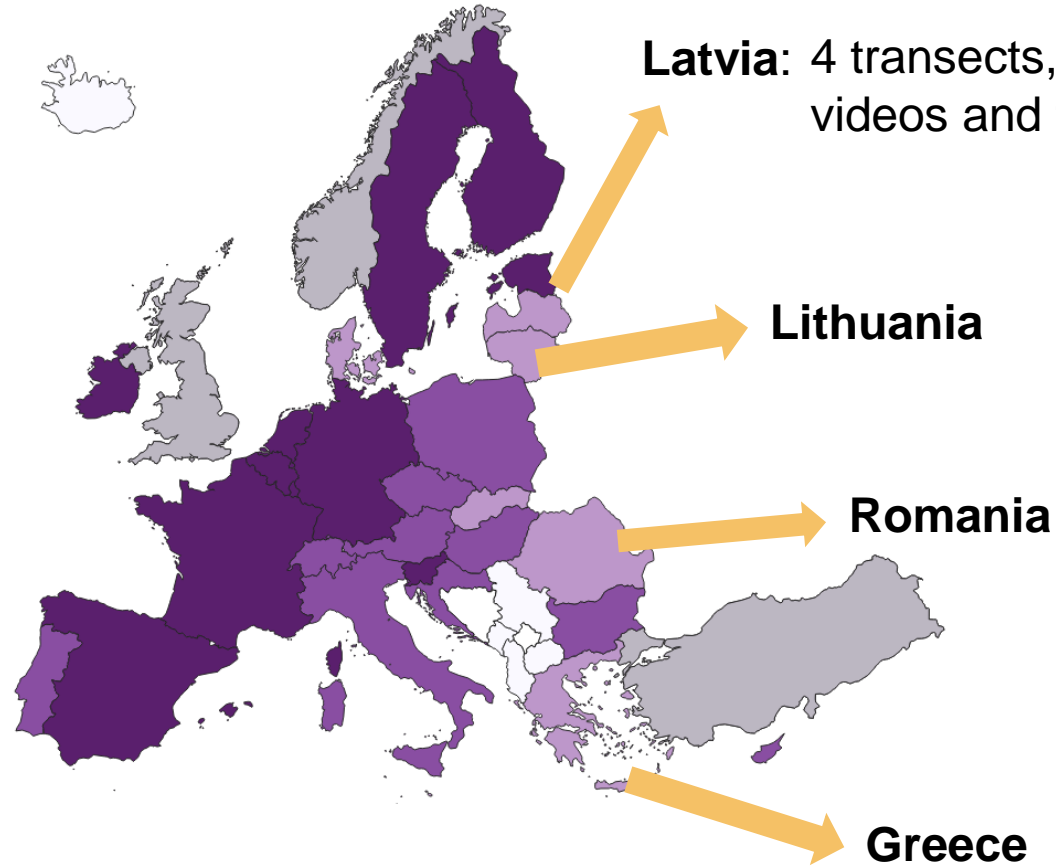
Lithuania:
20 transects, Field Guide,
regular meetings



eBMS development



2022



Latvia: 4 transects, materials: online videos and translated manuals

Lithuania

Romania

Greece



eBMS development



2022

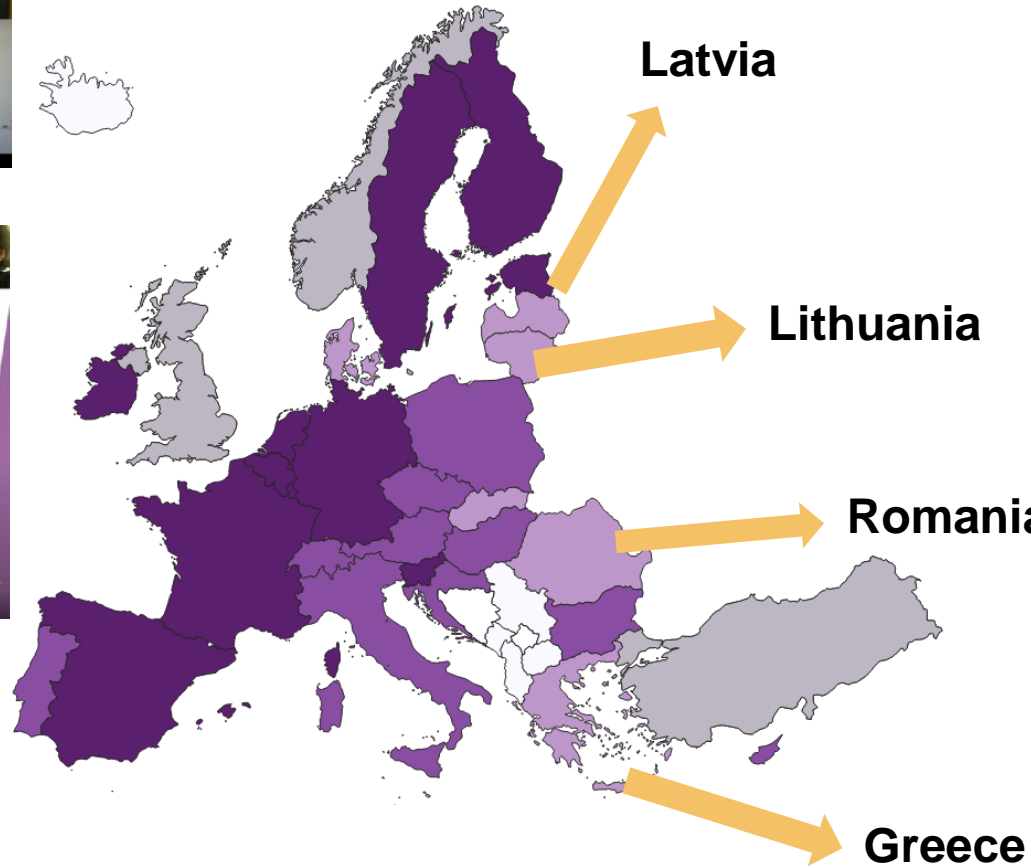


Website-ul eBMS

Sistem care centralizează datele din transecte care informează indicii fluturilor de zi: eBMS - European Butterfly Monitoring Scheme

eBMS este permanent îmbunătățit pentru a funcționa ca instrument de maximizare a calității informațiilor din înregistrări

Site-ul eBMS este în curs de aducere în vigoare în...



eBMS development



2022



Latvia

Lithuania

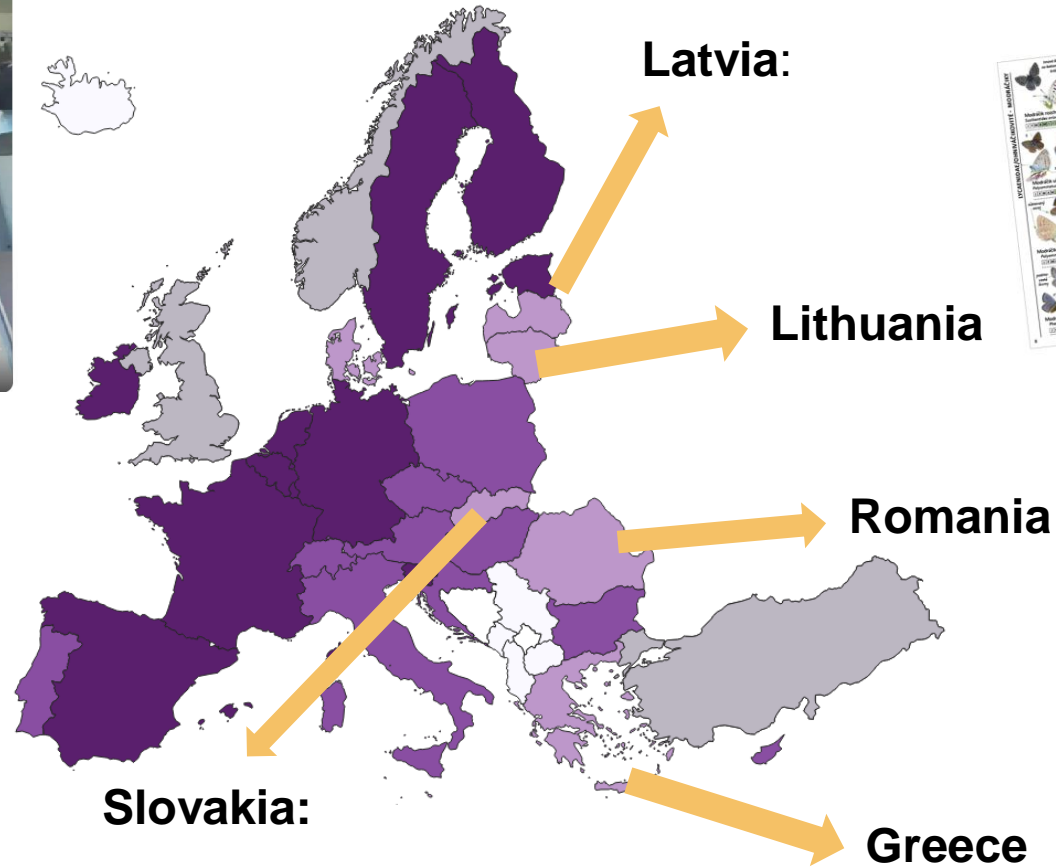
Romania

Greece: 13 transects, translation, shared previous data

eBMS development



2023



5 transects, translation, and workshop



eBMS Status 2024



~30 transects,
translation,
FG in progress
and workshops



Denmark:

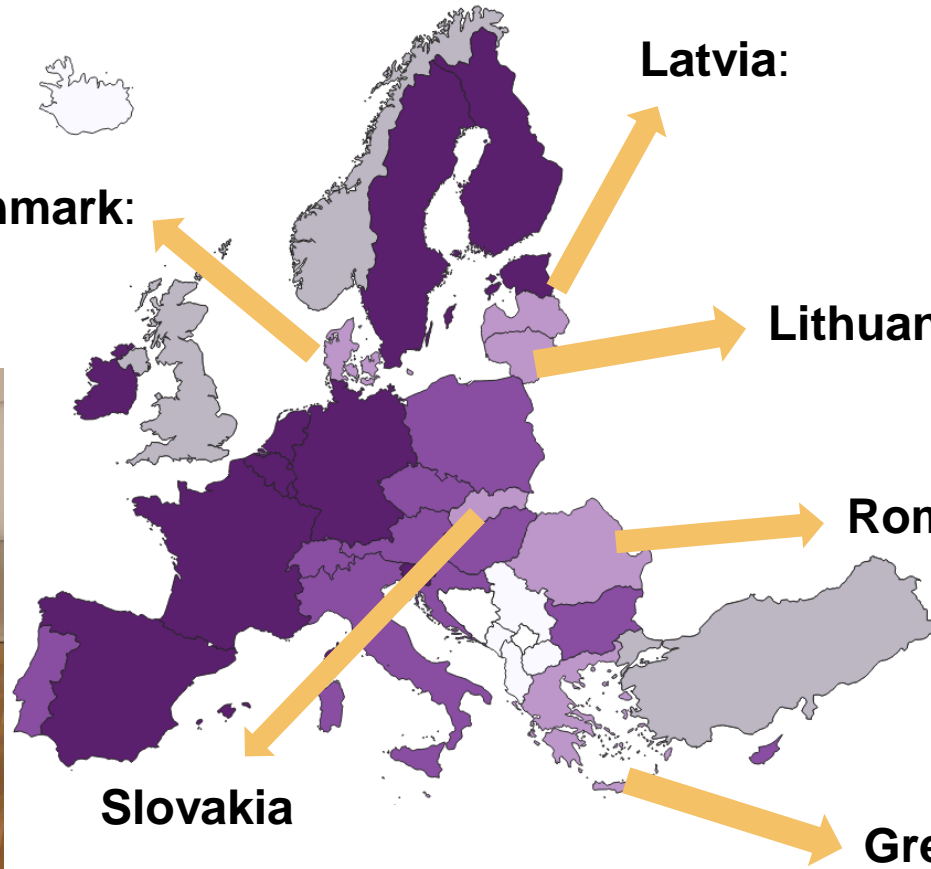
Latvia:

Lithuania

Romania

Slovakia

Greece



2023



Support other schemes



Spain



Hungary



Cyprus



Cyprus



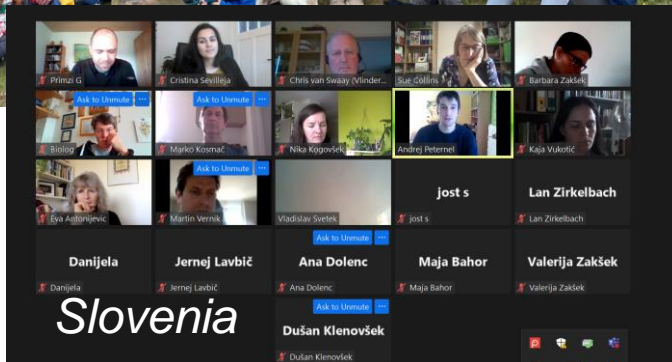
Portugal



Italy



Poland



Slovenia



Support other schemes



30 years of Catalan BMS



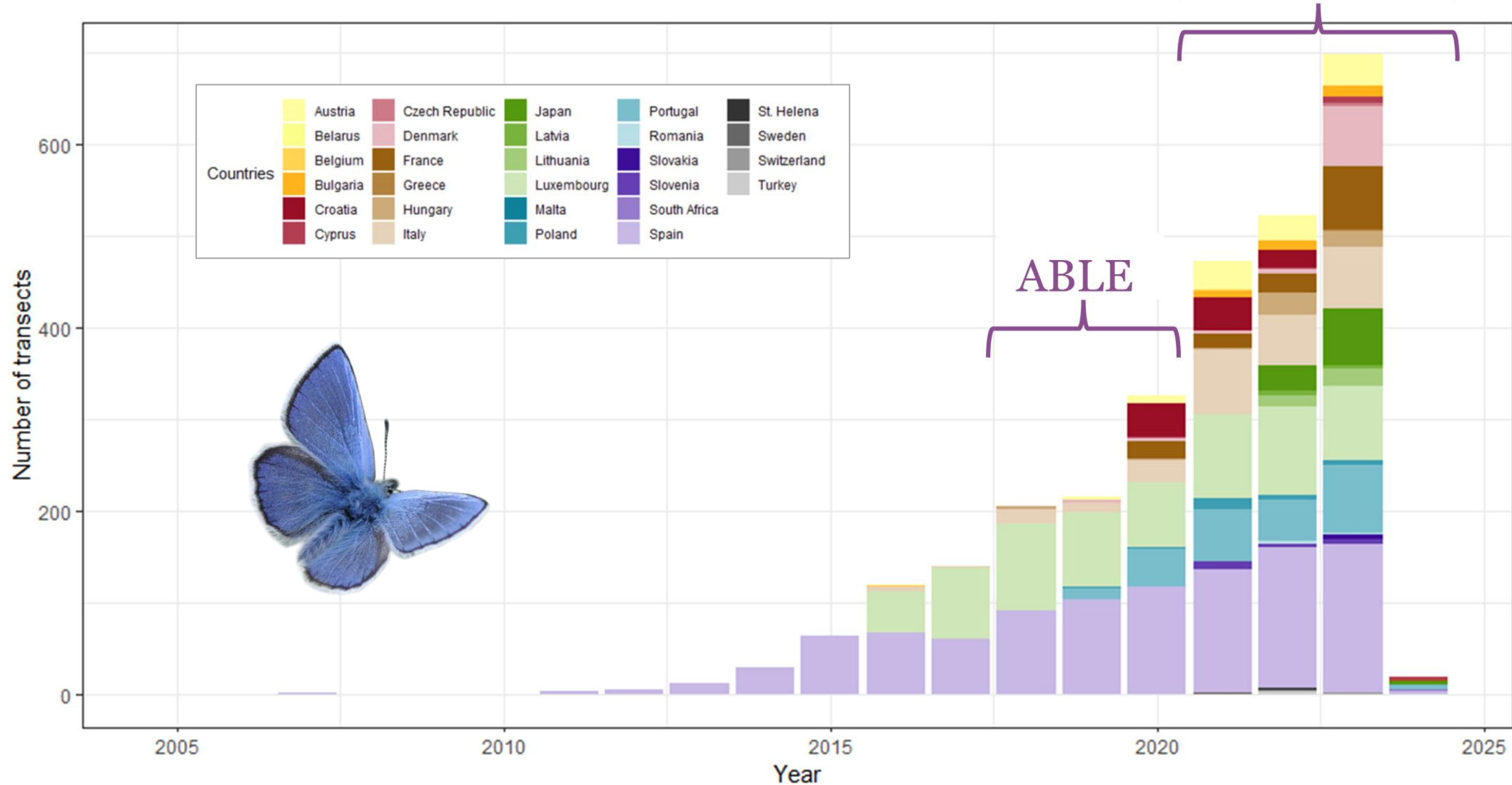
40 years of Dutch BMS



eBMS increased in transects



Active transects on eBMS website until January 2024

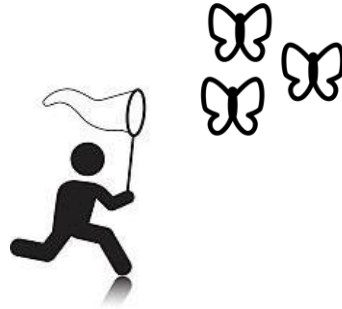


eBMS central database update v5.0

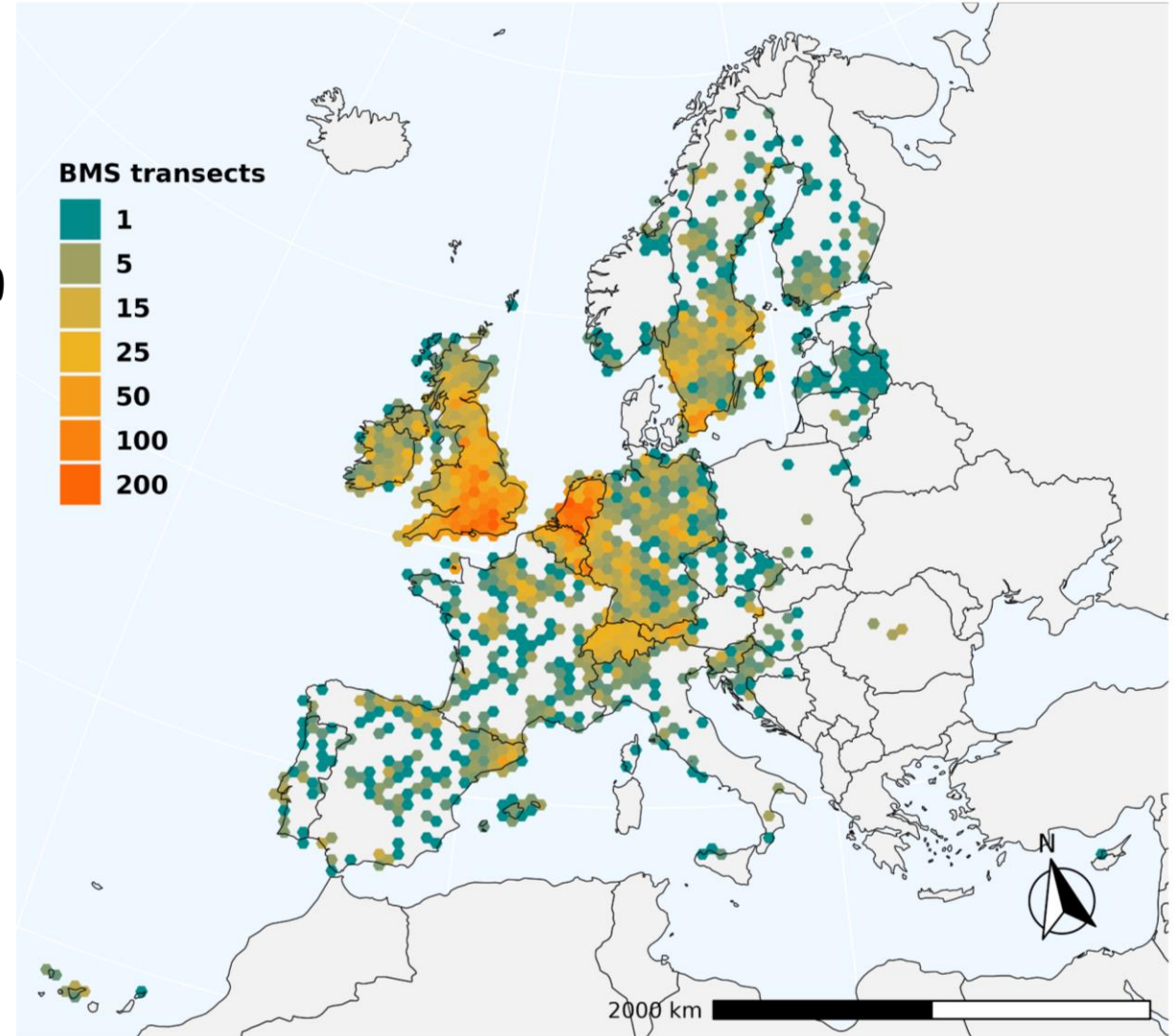


Database in numbers (1990 - 2021)

- ~10,000 volunteers
- 16 million counts (44 years)
- **31 BMS** in 29 countries
- 1 million visits
- 13,214 transects
- 19,059 km of transects
- **329** registered butterfly species



Comparison, analysis,
trends and indicators



Resources & Support

- ▶ Workshops, training seminars & meetings
- ▶ Produce and provide materials
- ▶ Supporting coordinators, networks & use of eBMS tools
- ▶ Sharing knowledge, feedbacks, use of data
- ▶ Dissemination of results

Capacity Building



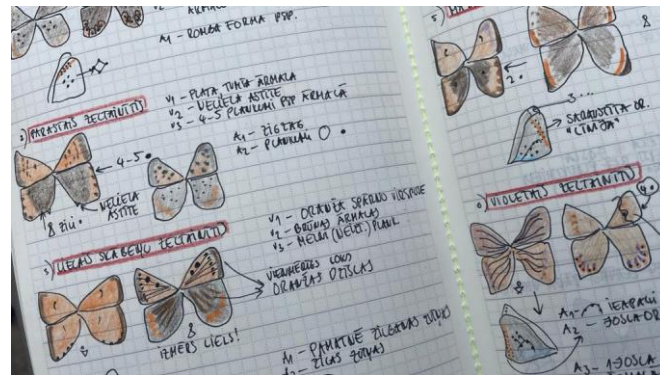
Val Grande
Butterfly Monitoring Scheme Italia
X^o Workshop Nazionale
 Parco Nazionale della Val Grande, Circolo di Colloredo (VB)
 19 maggio 2022

Il workshop ha lo scopo di presentare il progetto nazionale di monitoraggio delle farfalle italiane, che fa parte del più ampio europeo Butterfly Monitoring Scheme (eBMS).

Programma:

- 9:00-9:30 Accoglienza dei partecipanti
- 9:30-10:00 Saluti di benvenuto dal Parco
- 10:00-10:30 Cristina Sevilleja (responsabile del progetto eBMS) - Presentazione del progetto SPRING
- 10:30-11:00 Simona Bonelli (Università degli Studi di Torino) - Lo stato dell'arte del BMS Italia
- 11:00-11:30 Federica Paradiso (Università di Torino) - Il metodo del transecto di Pollard
- 11:30-12:00 Silvia Ghidotti (Parco Nazionale del Gran Paradiso) - Spese di Lepidotteri delle Alpi Occidentali: come riconoscerle
- 12:00-12:30 Alessandra Pollo (Università degli Studi di Torino) - Le farfalle protette dalla Direttiva Habitat e vulnerabili (IUCN) nel Parco Nazionale della Val Grande
- 12:30-13:30 Pausa pranzo (Pranzo al sacco o al Circolo a pagamento)
- 13:30-15:30 Marta Depetris (Università di Torino) - Monitoraggio delle farfalle al transecto BMS di Colloredo.
- 15:30-16:30 Inserimento dati sul sito BMS

È previsto un numero massimo di 35 partecipanti, pertanto si rende necessaria la prenotazione (specificando eventuale volontà di mangiare presso il Circolo) che può essere fatta inviando una e-mail a: promozione@parcovalgrande.it entro il 17 maggio



SUSKAIČIUOK DUBYSOS REGIONINIO PARKO DRUGIUS

Liepos 11 d. 11 val. Dubysos regioniniame parke

SPRING-eBMS Workshops in Lithuania, Italy, Spain, Austria, Cyprus, Slovenia, Bulgaria, Poland, Portugal



Improve eBMS tools

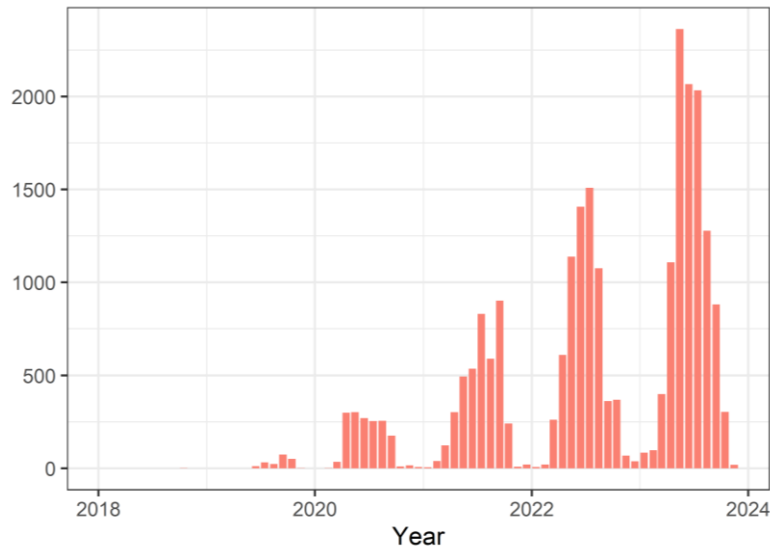


- Reinforce of ButterflyCount app and eBMS website

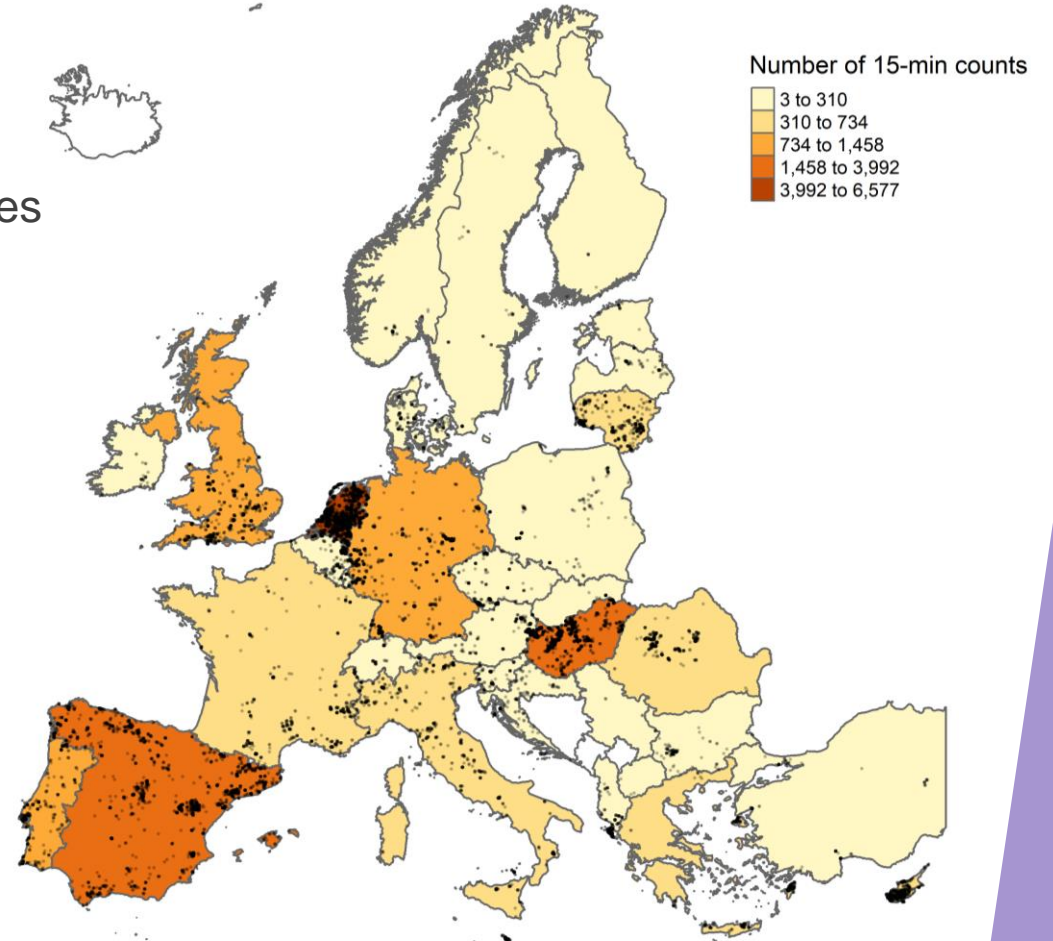
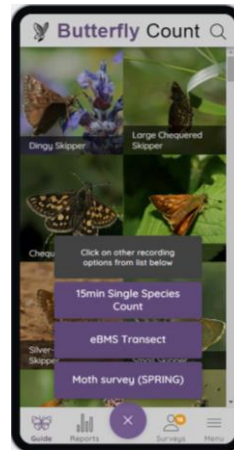


New languages, functions, improvements and updates

- Extend use of **15min counts** (new method): rare species
- Develop moth data collection (traps)

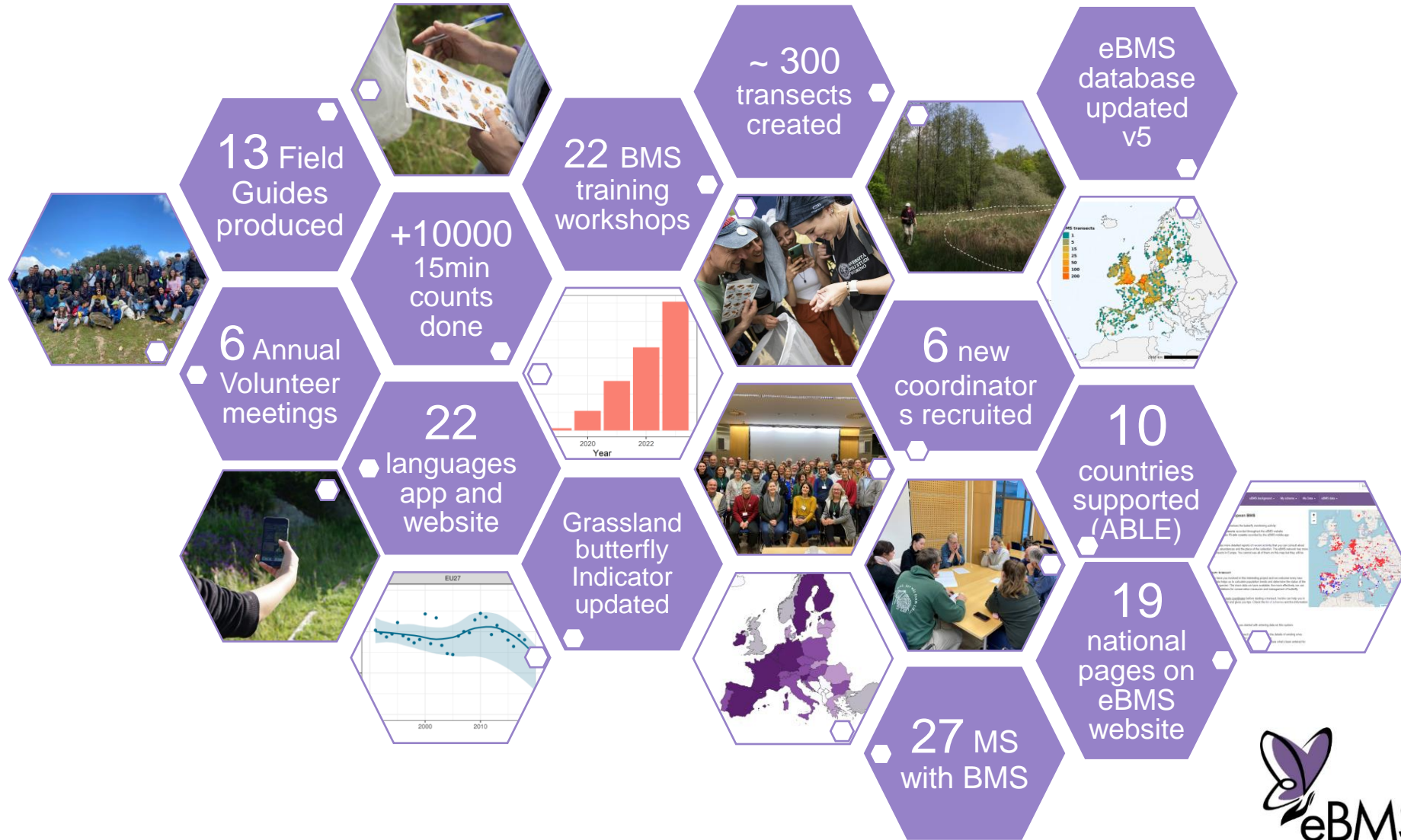


Number of 15-min count registered per month in the last years.



<https://butterfly-monitoring.net>

SPRING Results Task 1.1



Conclusions



How we overcame challenges to build capacity to run new schemes

EU level coordination and BCE support from SPRING:

1. Found talented individuals willing to be coordinators and spend time setting up a scheme
2. Worked with these new coordinators to
 - Train them in the eBMS protocol, register transect routes, share data, validate observations and do online recording
 - Support translations of Manual, App and Website into national languages
 - **Find volunteers** willing to learn how to identify butterflies and to walk transects regularly and frequently
 - **Provide resources** – field guides and workshops to train these volunteers to identify butterflies and report regular observations to the European database



Conclusions



Remaining challenges

- Securing MS support for stable jobs for national and where needed regional coordinators
- Retaining Volunteers to repeatedly walk the same transects year after year
- Increasing the number of transects across the whole of a MS
- Growing the use of butterfly count results by MSs and the EU to support recovery of wild pollinators





Looking ahead – from PPA to mainstreaming

EU and Member States Supporting recovery of butterflies and other wild pollinators and their habitats by:

- Using eBMS results and indicators to inform policy and implementation
- **Providing long term**, secure support for coordinators at EU and national levels
- **Growing eBMS Schemes further**, with more trained volunteers, transects and observations in the European database
- Greater awareness of the need for pollinator recovery and how citizens, professionals and governments are working together to achieve it
- Sharing experiences globally





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Acknowledgements
 Volunteers
 Assistants
 Rangers
 Institutions
 Experts
 European Commission
 MEPs
 DG Environment

