

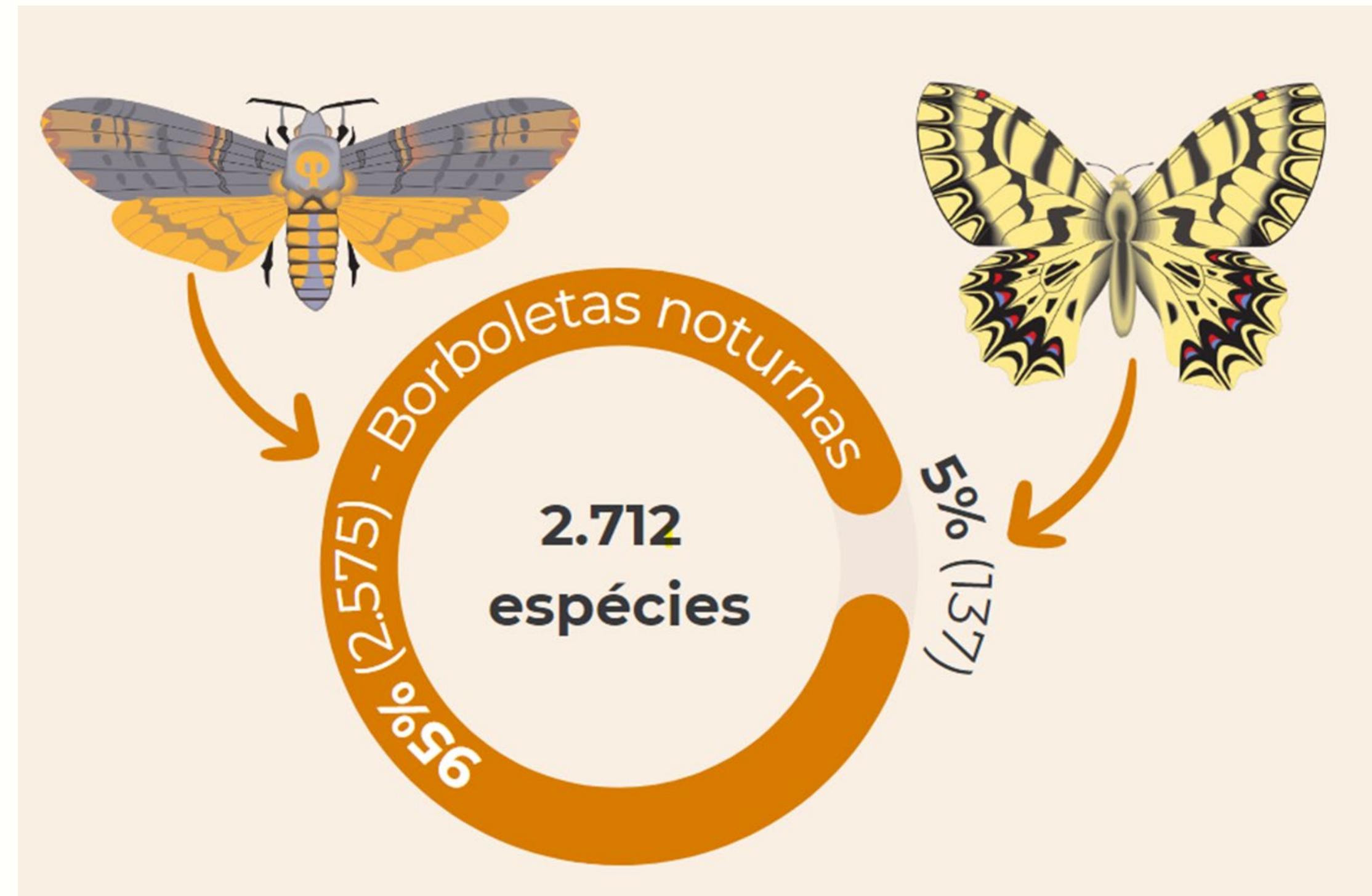
# PORTUGUESE MOTH RECORDING SCHEME

Butterfly Conservation Europe: Partner meeting  
ANL conference centre, Laufen, Germany  
2 - 5 December 2025

Helder Cardoso



# Lepidoptera of Portugal



# The REBN



- Collection of data on species distribution, abundance, and seasonal variation;
- Awareness-raising and outreach;
- Promoting the conservation of moths and their habitats.

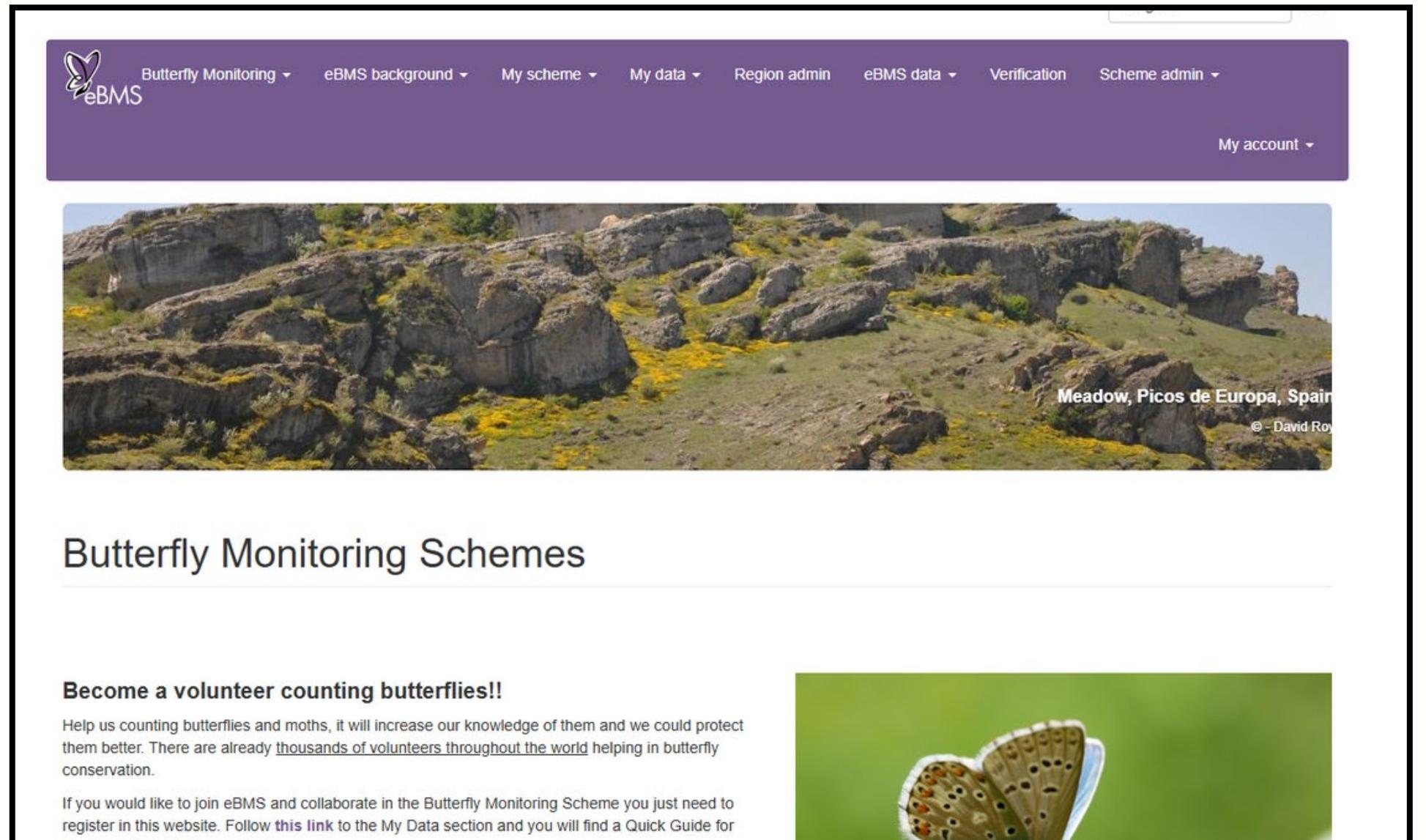


# Methods

- Fixed points of light-trapping – “Stations”
- Any type of habitat;
- Monthly sampling;
- Recording all species and individuals (macro moths).



# Methods



The screenshot shows the eBMS (European Butterfly Monitoring Scheme) website. The top navigation bar is purple with white text and icons. It includes links for 'Butterfly Monitoring', 'eBMS background', 'My scheme', 'My data', 'Region admin', 'eBMS data', 'Verification', 'Scheme admin', and 'My account'. Below the navigation is a large image of a rocky hillside with yellow flowers, labeled 'Meadow, Picos de Europa, Spain' and '© - David Roy'. Underneath this image is a section titled 'Butterfly Monitoring Schemes'. At the bottom left, there is a call to action: 'Become a volunteer counting butterflies!!' followed by a paragraph encouraging users to help with butterfly and moth counts for conservation. To the right of this text is a small image of a butterfly.

Butterfly Monitoring Schemes

**Become a volunteer counting butterflies!!**

Help us counting butterflies and moths, it will increase our knowledge of them and we could protect them better. There are already thousands of volunteers throughout the world helping in butterfly conservation.

If you would like to join eBMS and collaborate in the Butterfly Monitoring Scheme you just need to register in this website. Follow [this link](#) to the My Data section and you will find a Quick Guide for



# Records Review

Search:

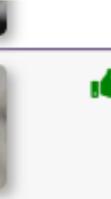
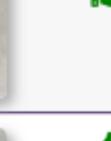
Context: Portugal; Helder moth verifier

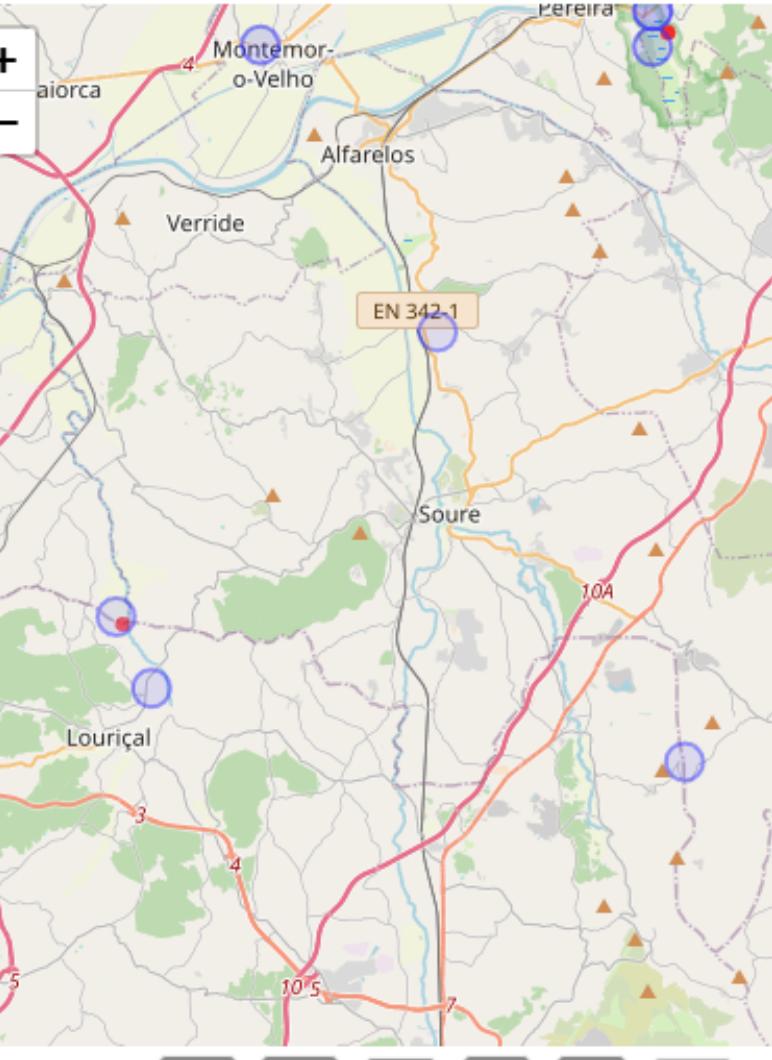
Status: Accepted

Photos: -no filter-

Stored filters
Filter: Select stored filter...
Apply filter
Reset
Create a filter

ID	Src	Species	Location	Date	Recorder	Determiner	Media	Check	Last updated	Year	Country	Quantity	Month

ID	Sample ID	Species	Location	Date	Recorder	Determiner	Media	Check	Last updated	Year	Country	Quantity	Month
470242	118 68	<i>Hoplodrina ambigua</i>	Ansião, Pombal, Leiria, BL	2025-10-11	Rosete, Jorge	Rosete, Jorge		✓	30/11/2022	202	5	5	10
85	1								5 19:55				
470242	118 68	<i>Eupithecia centaureata</i>	Ansião, Pombal, Leiria, BL	2025-10-11	Rosete, Jorge	Rosete, Jorge		✓	30/11/2022	202	1	1	10
84	1								5 19:55				
470242	118 68	<i>Eudonia mercurella</i>	Ansião, Pombal, Leiria, BL	2025-10-11	Rosete, Jorge	Rosete, Jorge		✓	30/11/2022	202	3	3	10
83	1								5 19:55				
470242	118 68	<i>Endotricha flammealis</i>	Ansião, Pombal, Leiria, BL	2025-10-11	Rosete, Jorge	Rosete, Jorge		✓	30/11/2022	202	5	5	10
82	1								5 19:55				
470242	118 68	<i>Dryobotodes roboris</i>	Ansião, Pombal, Leiria, BL	2025-10-11	Rosete, Jorge	Rosete, Jorge		✓	30/11/2022	202	3	3	10
81	1								5 19:53				
470242	118 68	<i>Dolicharthria aetnaealis</i>	Ansião, Pombal, Leiria, BL	2025-10-11	Rosete, Jorge	Rosete, Jorge		✓	30/11/2022	202	1	1	10
80	1								5 19:53				



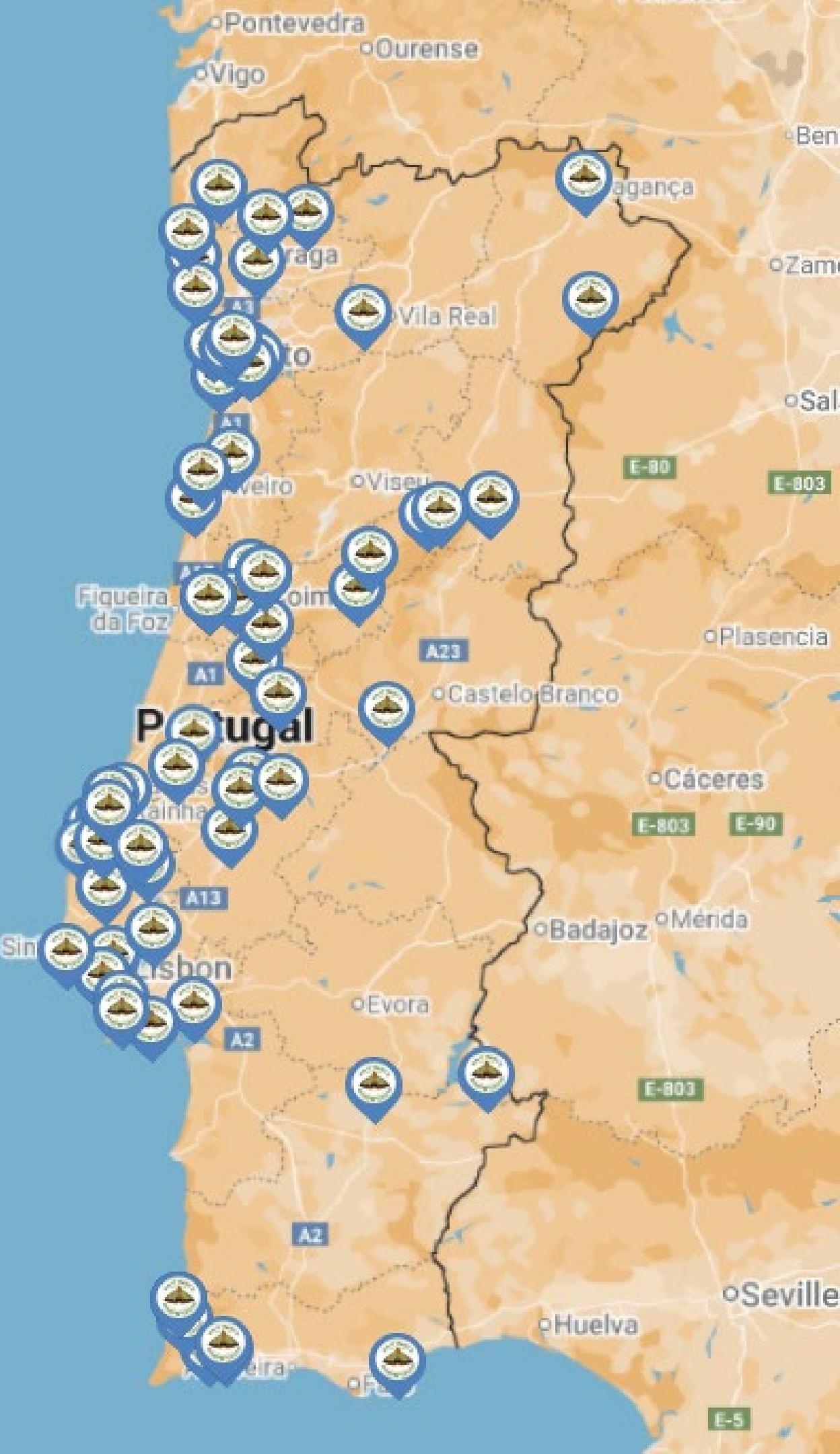
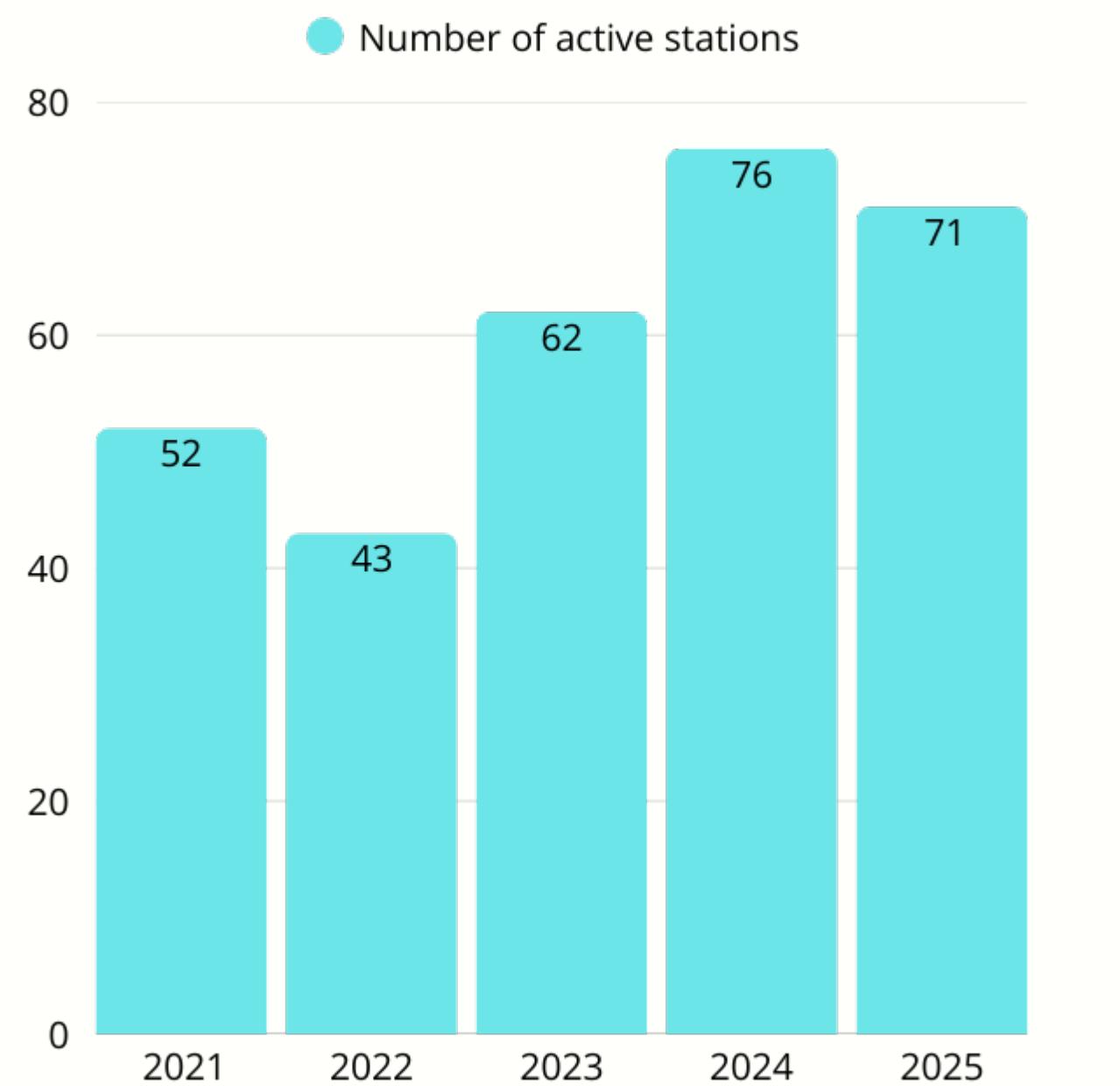
Actions:

Details
Comments
Recorder experience

ID|status|checks
47025020 |  | 

Accepted name (as entered)
Lozotaenia cupidinana (STAUDI)

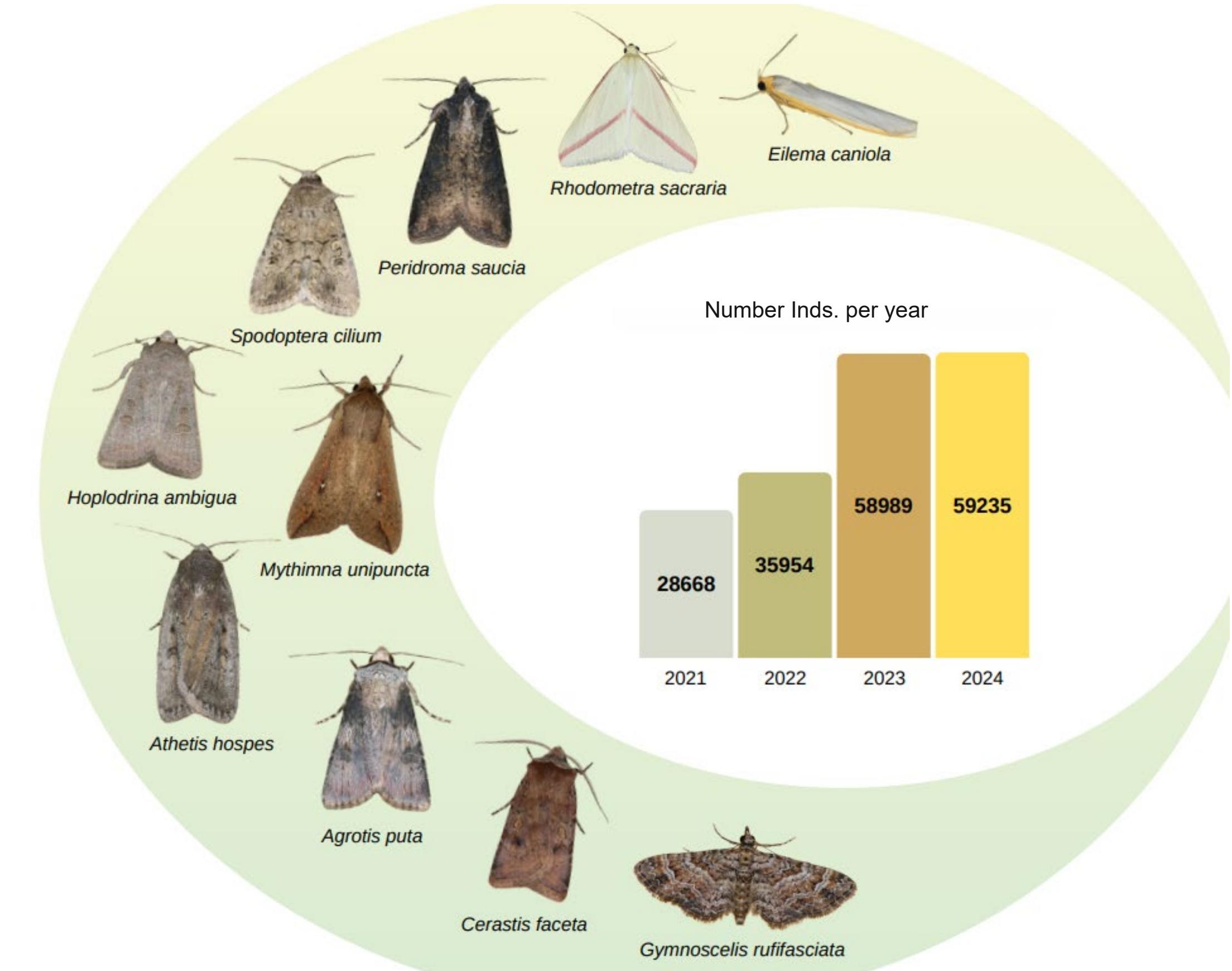
# Moth Recording Stations



# Results

182.846 inds.

719 species (macros)



# Results

Monthly numbers of individuals

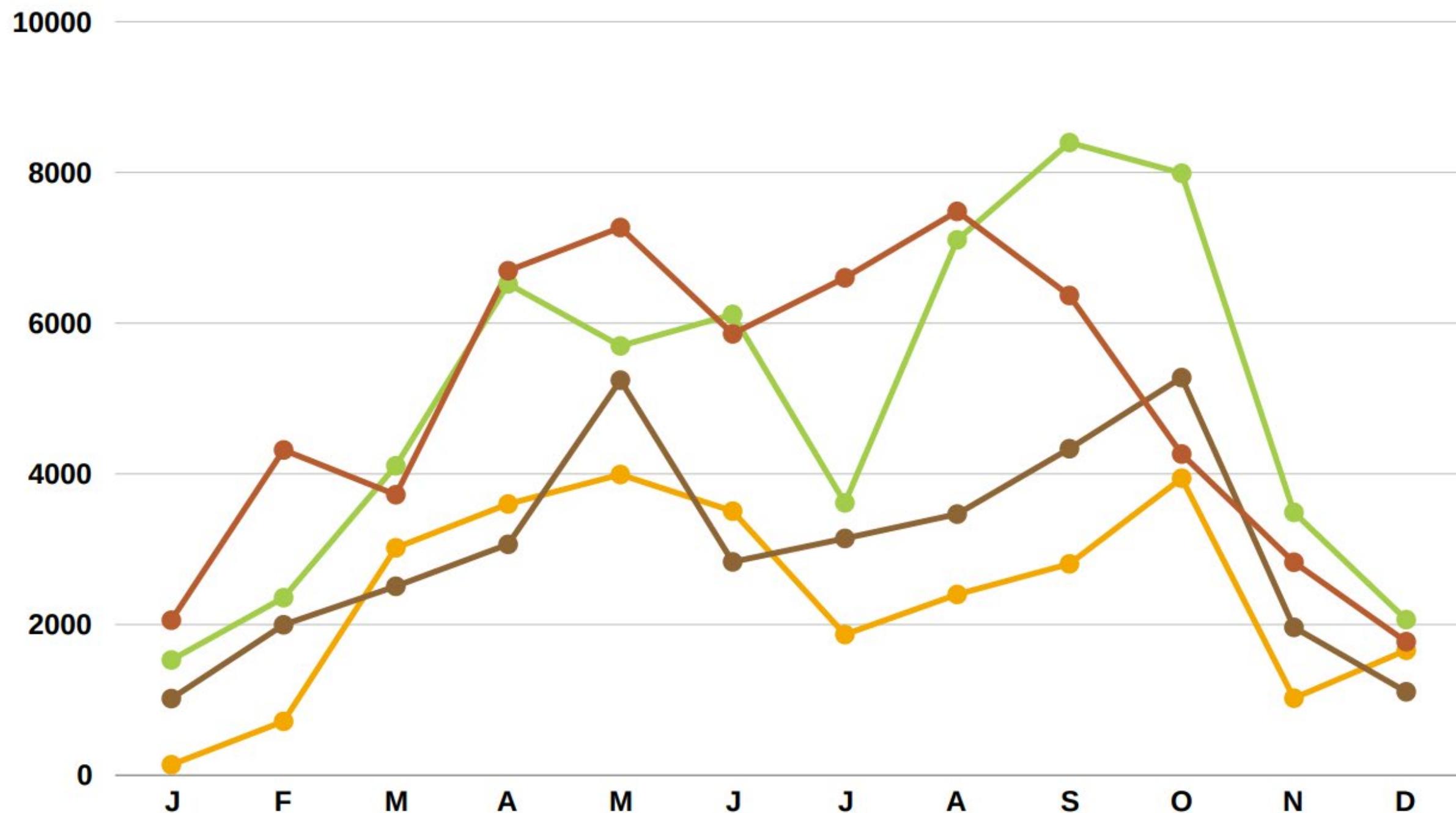
recorded

2021

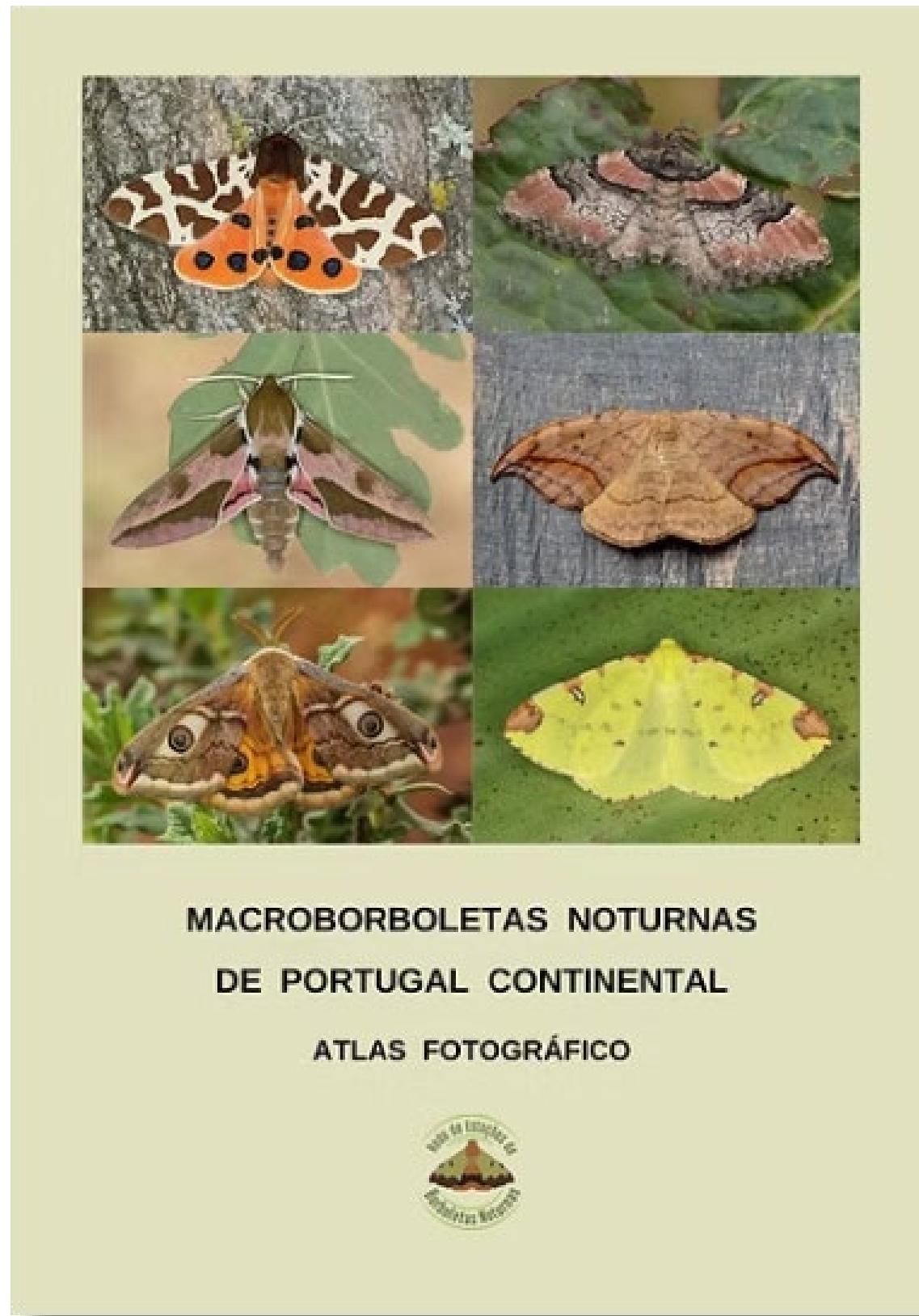
2022

2023

2024



# REBN publications



# REBN publications



# REBN publications

 Comparando espécies  
Género *Selenia*

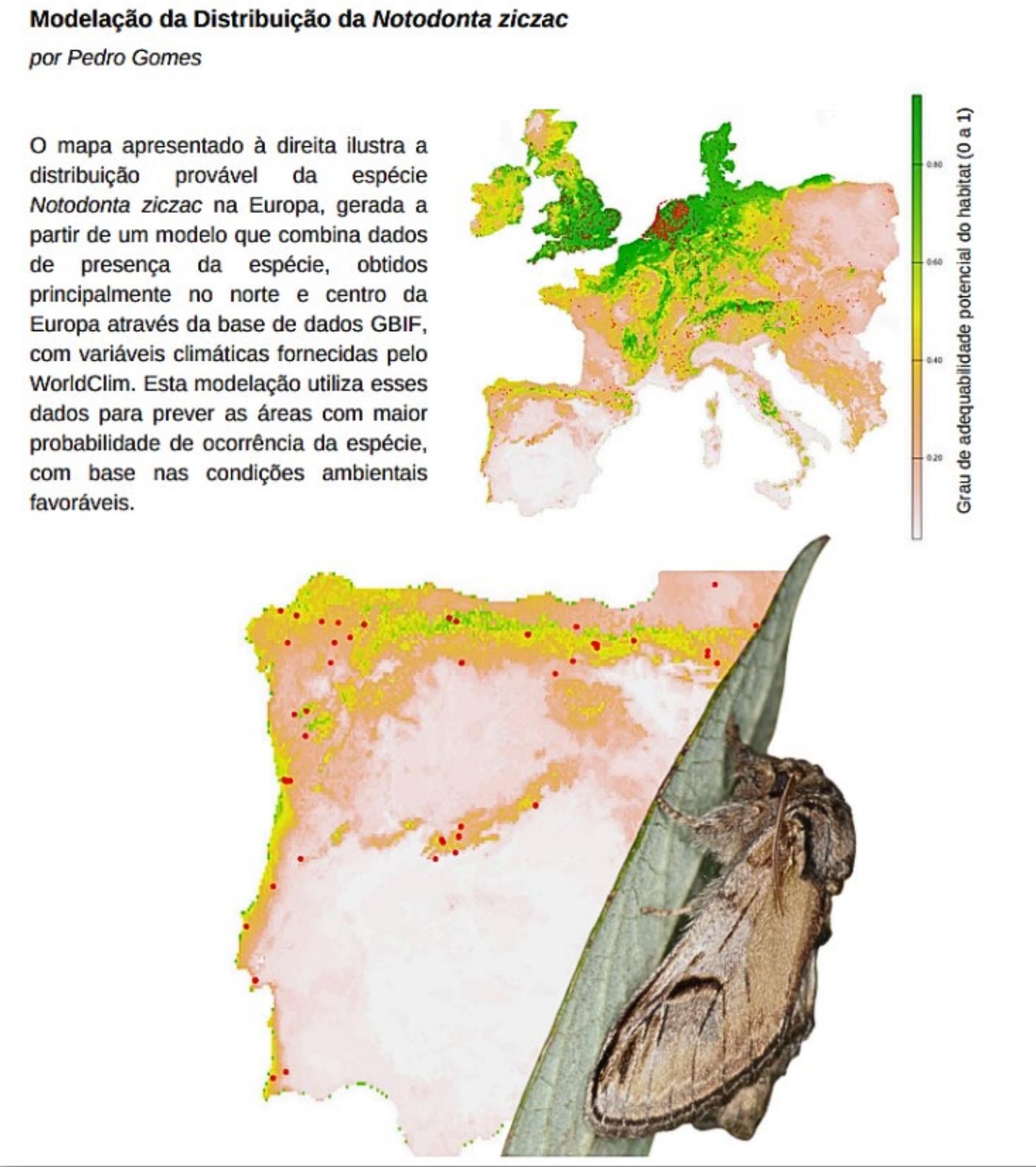
Autor: Jorge Rosete

Critérios de distinção:	<i>Selenia dentaria</i>	<i>Selenia lunularia</i>	<i>Selenia tetralunaria</i>
Dimorfismo sexual	• Machos com antenas pectinadas e fêmeas com antenas filiformes.		
Envergadura	• Entre 34 e 43 mm.	• Entre 32 e 41 mm.	• Entre 27 e 42 mm.
Asas anteriores	• Linha pós-mediana regular e com extremidade dilatada ao atingir a costa. • Lúnulas celulares impercetíveis.	• Linha pós-mediana regular, bem marcada e quase reta. • Lúnulas celulares perceptíveis, mas menores do que em <i>S. tetralunaria</i> .	• Linha pós-mediana irregular e bem marcada. • Lúnulas celulares maiores do que em qualquer uma das restantes espécies.
Asas posteriores	• Margem pouco recortada e ausência de marcas relevantes.	• Margem mais recortada do que em qualquer uma das restantes espécies.	• Pequena mancha escura na zona terminal.
Posição de repouso	• Asas retraídas e eretas, à semelhança das espécies diurnas. No caso da <i>S. dentaria</i> as asas repousam completamente unidas.		
Dimorfismo sazonal	• As formas primaveris tendem a ser maiores, mais escuras, mais marcadas e com contornos alares mais recortados. • As formas estivais e outonais tendem a ser mais pequenas e claras.		

*Selenia dentaria* *Selenia lunularia* *Selenia tetralunaria*



Imagens: *Selenia dentaria* e *Selenia lunularia* © Jorge Rosete; *Selenia tetralunaria* © <https://lepiforum.org>



# REBN publications

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**ARTIMELIA**  
LEPIDOPTERA IBÉRICA

Biannual Scientific Journal dedicated to research and scientific studies  
on the Lepidoptera of the Iberian Peninsula.



Associação REBN – Rede de Estações de Borboletas Noturnas, Largo dos Camarnais, 3, 2540-479 Pó, Bombarral, Portugal

## The status of some Arctiinae (Erebidae) in Portugal

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### Abstract

The status of three taxa of Arctiinae (Erebidae) in Portugal is re-examined. *Coscinia cibraria* f. *benderi* (Marten, 1957) is recognised as present in Portugal. *Arctia villica* *angelica* (Boisduval, 1829) is treated as a species separate from *A. villica* (Linnaeus, 1758); both species occur in the country. *Eilema predotae* (Schawerda, 1927) is deleted from the Portuguese list as all published records belong to *E. marcida* (Mann, 1859).

Key words: *Coscinia*, *Arctia*, *Eilema*, Iberian Peninsula.

### Resumo

O estatuto de três táxones de Arctiinae (Erebidae) em Portugal é reavaliado. *Coscinia cibraria* f. *benderi* (Marten, 1957) é reconhecida como presente em Portugal. *Arctia villica* *angelica* (Boisduval, 1829) é tratada como uma espécie distinta de *A. villica* (Linnaeus, 1758); ambas ocorrem no país. *Eilema predotae* (Schawerda, 1927) é removida da lista portuguesa, uma vez que todos os registo publicados correspondem a *E. marcida* (Mann, 1859).

Palavras-chave: *Coscinia*, *Arctia*, *Eilema*, Península Ibérica.

### Introduction

Recently various questions have arisen leading to the reconsideration of the status of some taxa in the Portuguese checklist (Corley, 2015). Questions relating to three taxa of Arctiinae (Erebidae), *Coscinia benderi* (Marten, 1957), *Arctia villica* (Linnaeus, 1758) and *Eilema predotae* (Schawerda, 1927) are discussed in detail below.

### Methods



[www.reborboletasn.org](http://www.reborboletasn.org)

**Thank you!**

