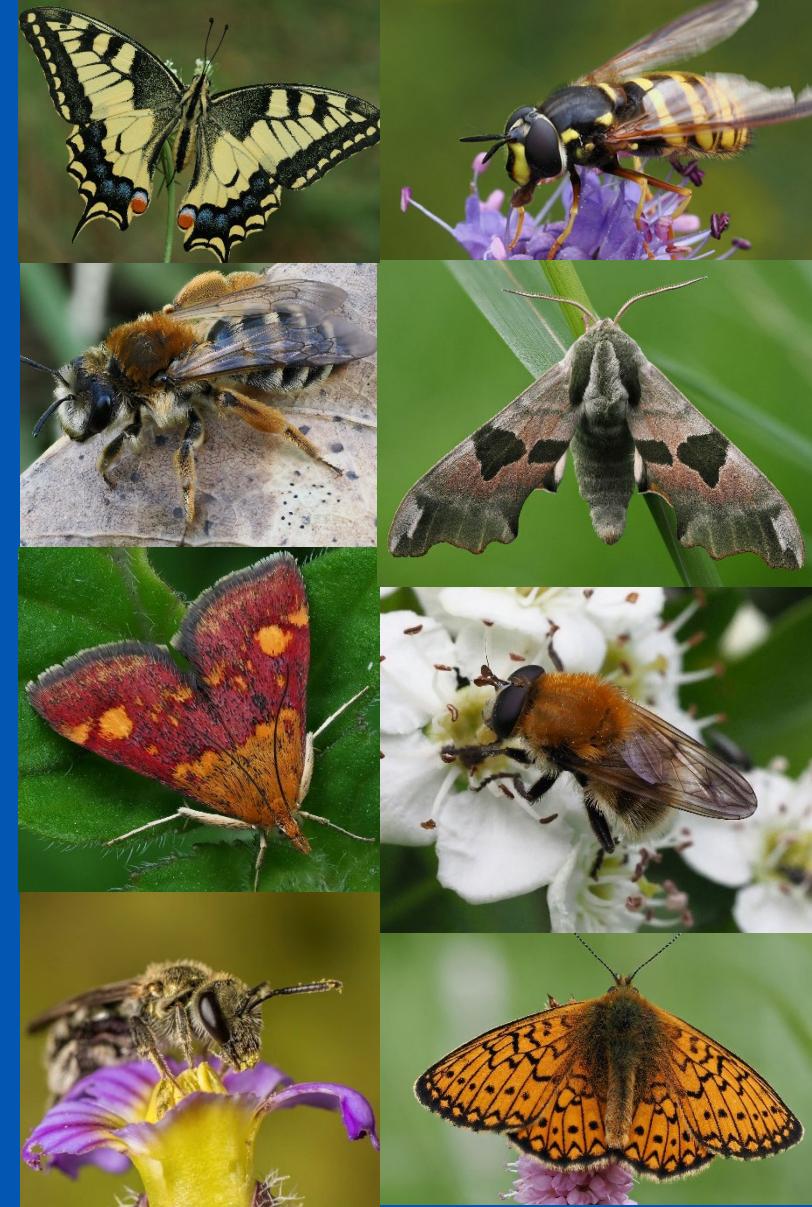




Pollinator monitoring under the Nature Restoration Regulation

*Andreas Gumbert
European Commission
DG Environment*



| NRR Pollinators target (Art. 10)

REGULATION (EU) 2024/199 on nature restoration

- **Reverse the decline of pollinator populations (and improve pollinator diversity) by 2030**
- Achieve thereafter an **increasing trend** for pollinator populations **until satisfactory levels** are reached (measured every 6y)
- **Obligatory monitoring** of pollinator populations: annual, standardised, representative
- A **science-based** monitoring method to be established by Delegated Act(s)



Commission Delegated Regulation (EU) 2025/2188

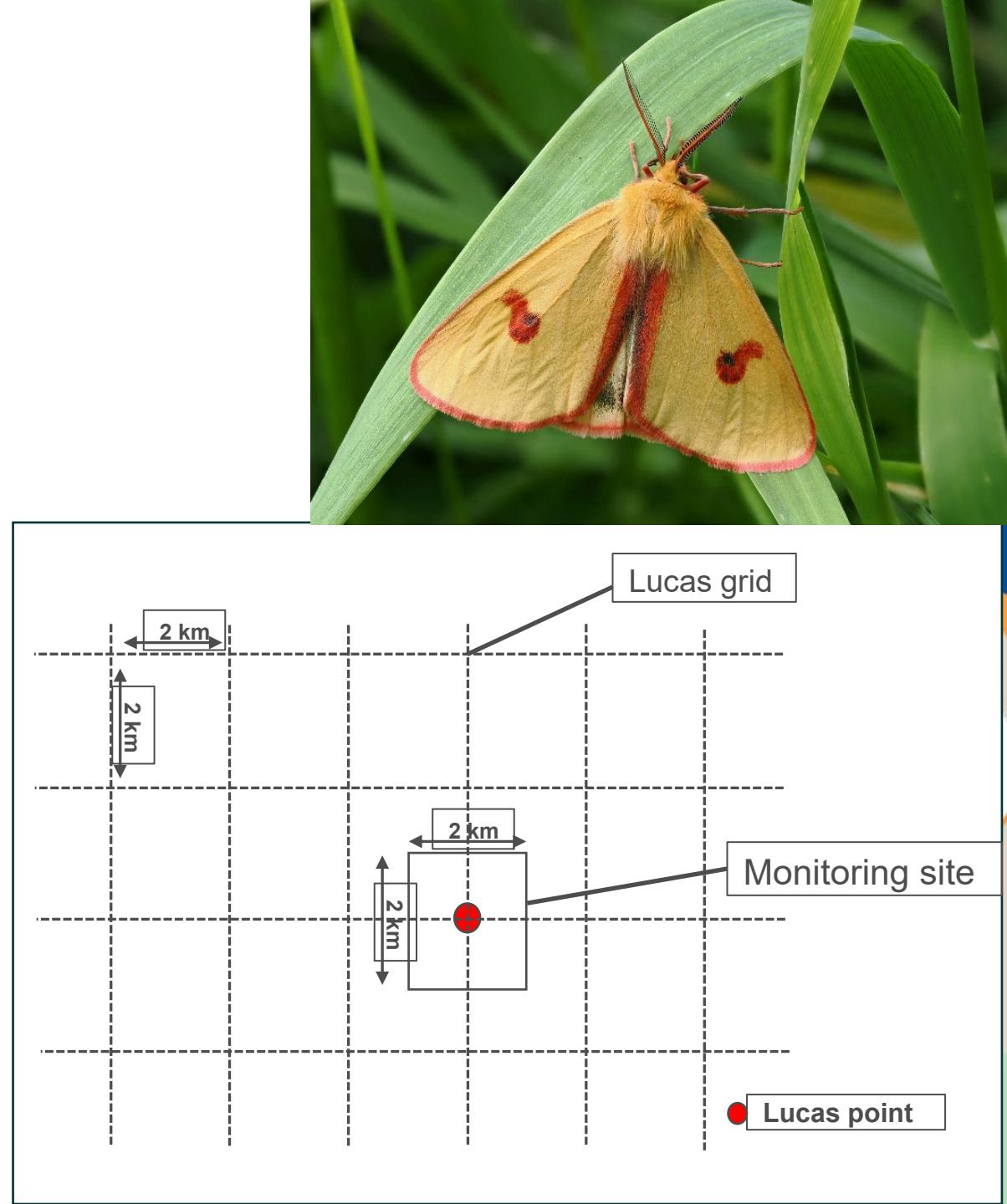
- Adopted 19 September 2025
- Four main pollinator groups:
bees, hoverflies, butterflies, (macro) moths
- Species level identification



Site selection

- Stratified randomised site selection
 - biogeographic zones
 - ecosystem type
 - other stratification criteria (voluntary)
- Exclusion criteria
- Minimal number of sites for each MS (30-120)
- Minimal distances between sites

➤ Ensures representativeness for the MS as a whole



Sampling methods

1. Transect walks (1 km, 60 min)

- Separately for bees, hoverflies, butterflies and day-active moths
- Once per month during flying season (tbd)
- Species level identification

2. Light traps

3. Targeted field visits for rare species



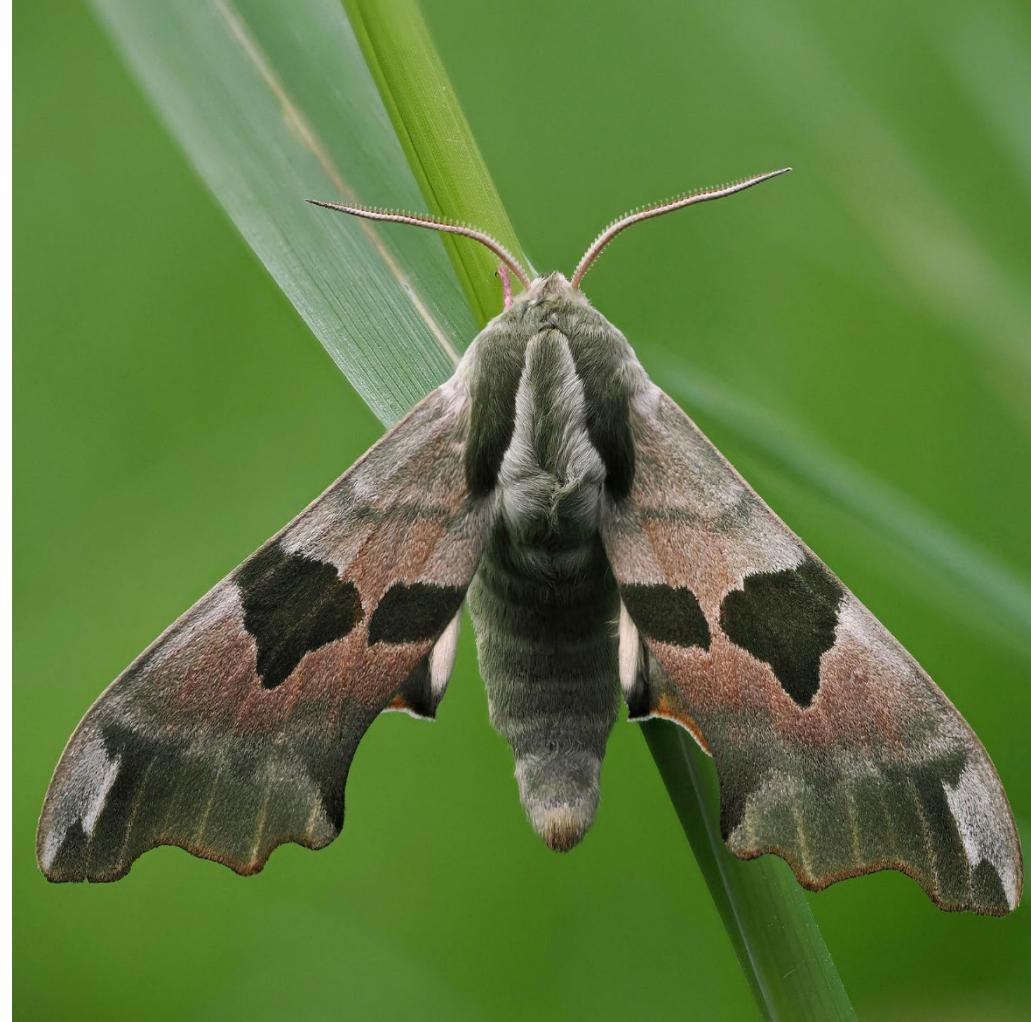
Indicators

1. Common pollinator indicator

- species abundance
- species diversity (Shannon-Wiener)

2. Pollinator species richness indicator (all species)

- Annual data collection
- Assessment periods: 2027-2030, afterwards 6-yr intervals



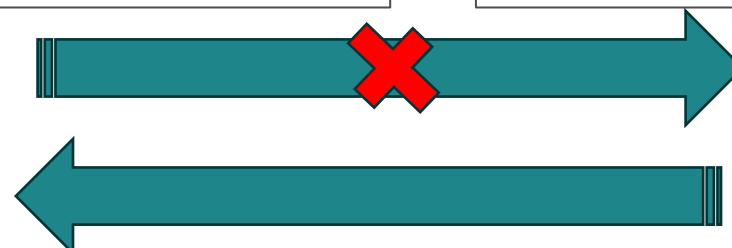
GBI vs. EU-PoMS

GBI

1. Citizens' science
2. Potentially large number of sites
3. Site selection flexible
4. Grassland butterflies (17 species)
5. Grassland habitats

EU-PoMS

1. Professional surveyors
2. Limited number of sites
3. Strict site selection criteria
4. 4 pollinator taxa (thousands of species)
5. All ecosystems



Data flow between schemes

#EUPollinators

Small, precious and in need of protection!

Images ©Frank Vassen



The EU Pollinators Initiative mobilises action across the board

Everyone has a role to play – join us

- EU Environment
- EU_ENV
- ourplanet_eu