

EU Pollinator Monitoring Framework



Vujadin Kovacevic
European Commission
Biodiversity unit

*ABLE Final Workshop
29 October 2020*

11 December 2019

The European Green Deal

von der Leyen Commission

#EUGreenDeal

Policy update

EGD/BDS2030 → higher ambition

To reverse the pollinator decline

EU Pollinators Initiative: Review &
possible revision

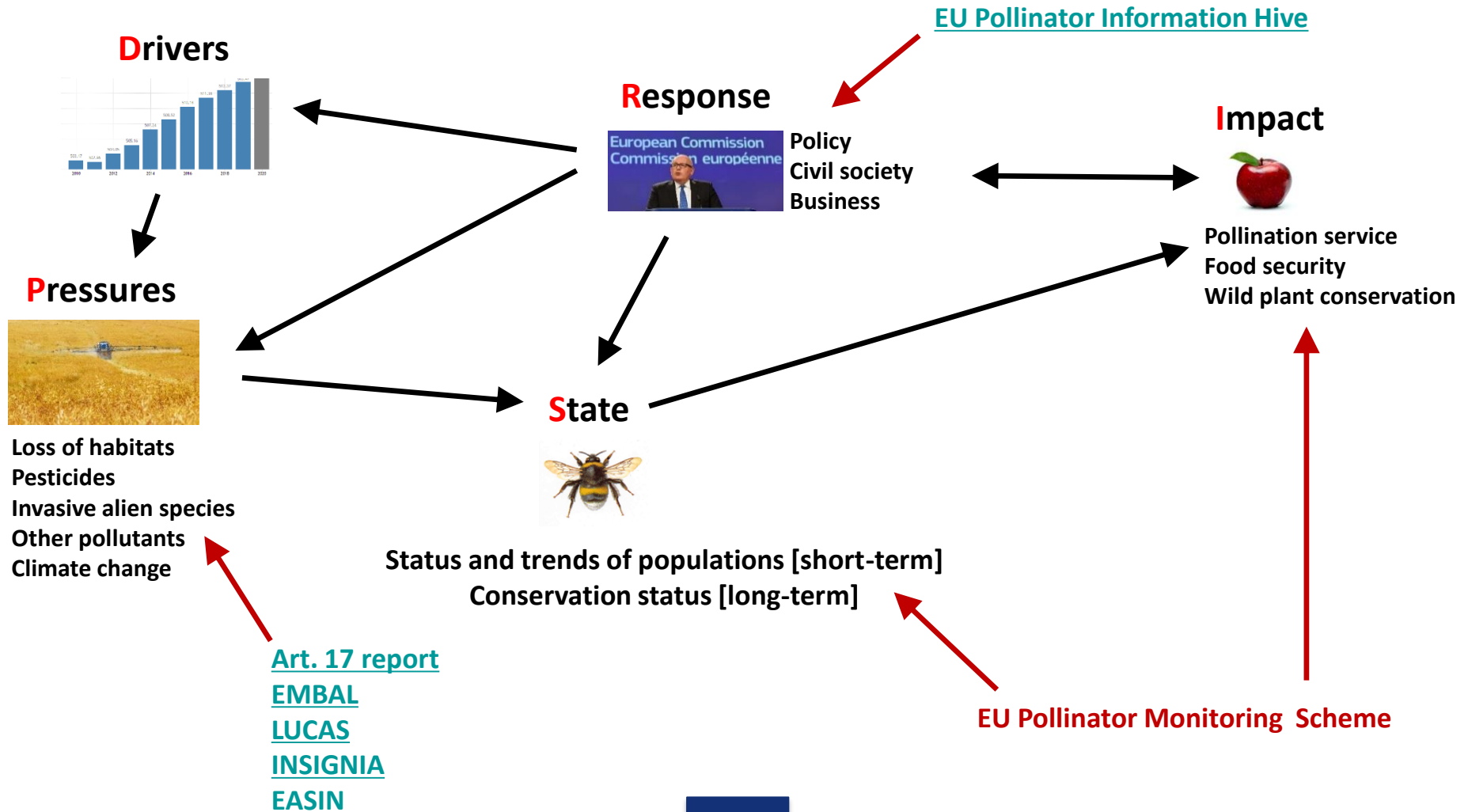
[Court of Auditors report](#)

Nature restoration legal targets

EU Biodiversity strategy for 2030

20 May 2020

EU Pollinator Monitoring Framework





Monitoring pressures

State of Nature 2020 ([dashboard](#))

→ EEA/ETC [report](#) on habitats

European **M**onitoring of **B**iodiversity in
Agricultural **L**andscapes ([EMBAL](#)) 2021?

[LUCAS](#) - grassland module 2022

Monitoring of pesticides through
honeybee products ([INSIGNIA](#)) 2021

European Red List of Bees

Ana Nieto, Stuart P.M. Roberts, James Kemp, Pierre Rasmont, Michael Kuhlmann, Mariana Garcia Criado, Jacobus C. Biersma, Petr Bogusch, Holger H. Dath, Pilar De la Rúa, Thibaut De Meulemeester, Manuel Dobson, Alexandre Doreff, Francisco Javier Otero-Sánchez, Patrick Lhomme, Alain Pauly, Simon G. Potts, Christophe Praz, Marino Quaranta, Vladimir G. Radchenko, Erwin Scheuchl, Jan Smit, Jakub Straka, Michael Terzo, Bogdan Tomozii, Jemma Window and Denis Michaz



European Red List of Butterflies

Compiled by Chris van Swaay, Annabelle Cuttelod, Sue Collins, Dirk Maes, Miguel López Munguira, Martina Šablj, Josef Settele, Rudi Veronik, Theo Verstraël, Martin Warren, Maron Wiemers and Irma Wynhoff



European Red List

Butterflies: to be updated

Bees: to be updated

Hoverflies: to be finalized in 2021

Moths: starting end of 2020

“Taxonomists”: starting end of 2020



European
Commission



EU Pollinator Monitoring Scheme

Expert proposal

Expert proposal finalized

Indicators (including CAP)

EU POLLINATOR MONITORING SCHEME

<u>Taxa:</u>	Bumble Bees, other Bees*, Butterflies & Hoverflies*	Wild Bees & Hoverflies	Rare & Threatened Species	Moths	Pollination Services	Flower Visitors	Wider Insect Biodiversity*
<u>Methods:</u>	Standardised Transects	Standardised Pan traps	Species-Specific Methods	Light Traps	Direct Measures of Pollination	Timed Observation Plots	Malaise Traps
<u>Recorders:</u>	Volunteers & Professionals	Professionals	Professionals	Volunteers	Professionals	Volunteers	Professionals
<u>Measures:</u>	Species Abundance, Diversity & Occupancy	Diversity & Occupancy	Abundance & Occupancy	Species Abundance, Diversity & Occupancy	Pollination Services, Function & Deficits	Species Group Visitation	Species Abundance, Diversity & Occupancy
CORE SCHEME	MINIMUM VIABLE SCHEME		COMPLEMENTARY APPROACHES		ADDITIONAL MODULES		
EUROPEAN POLLINATOR BIODIVERSITY							



EU Pollinator Monitoring Scheme

Expert proposal

Expert proposal finalized

Indicators (including CAP)

Standardized methodology

Network of 2 000 to 3 000 sites

10% change over 10 years for key groups

30% change over 10 years for species

€13-15 million per year



EU Pollinator Monitoring Scheme

Expert proposal

Financing the scheme → EU + MS

Horizon Europe:

- *In situ* monitoring
- Integrative taxonomy
- (Meta)Barcoding
- Taxonomic research capacity

LIFE Programme

CAP, Cohesion Policy funds



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EU Pollinator Monitoring Scheme

Expert proposal

Discussion with Member States

Testing, piloting, capacity raising

Preparatory Action 2021/22

Online ID platform, guides, keys

Promoting citizen science:

- [Guidance for citizens](#)
- [SfEP thematic brief](#)



Thank you!

#EUPollinators

*Small, precious and
in need of protection!*