



How do SAIO and Environmental Accounting help in Pollinators' health?

Monica IATAN, Eurostat

Knowledge and data information to help decision-making on pollinators

30 November 2023

Outline

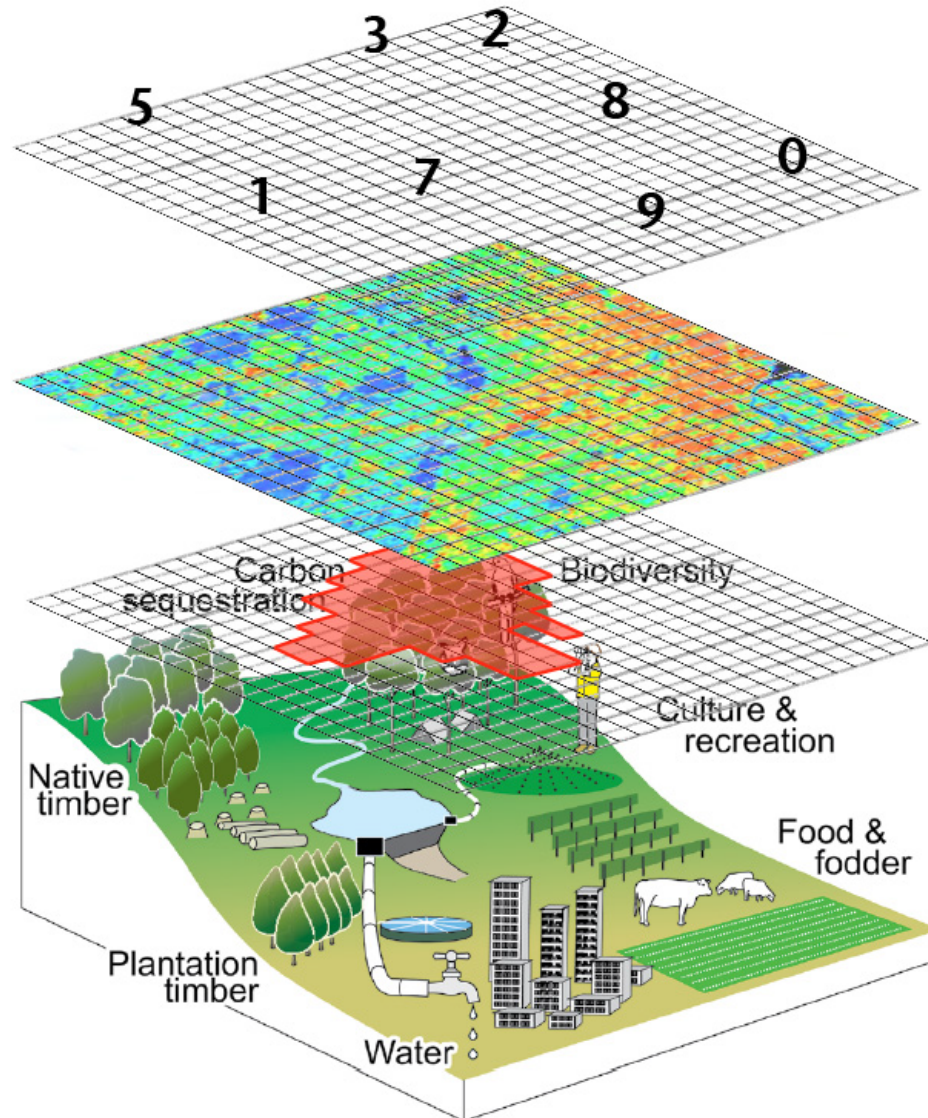
- Environmental accounts – New legal initiative on ecosystems
- Statistics on Agricultural Input and Output – Improving data availability on plant protection products

Ecosystem accounts – New legal initiative

Pollination as ecosystem service

- There are European environmental economic accounts since 2011
- Regulation (EU) 691/2011 European environmental economic accounts
 - establishes Member States legal obligation to calculate and report 6 accounts about environmental taxes, green sector, environmental investments, material flows, energy flows and air emissions
- The Commission is proposing [an amendment](#) to extend the scope of the Regulation with 3 new accounts:
 - **Ecosystem accounts**, forest accounts, environmental subsidies
- One part of ecosystem accounts is about pollination
- Legal amendment currently in trilogues

What is ecosystem accounts? 3 layers of information



Ecosystem services accts

Ecosystem condition acct

Ecosystem extent acct

Proposal ecosystem accounts for Regulation (EU) Regulation 691/2011

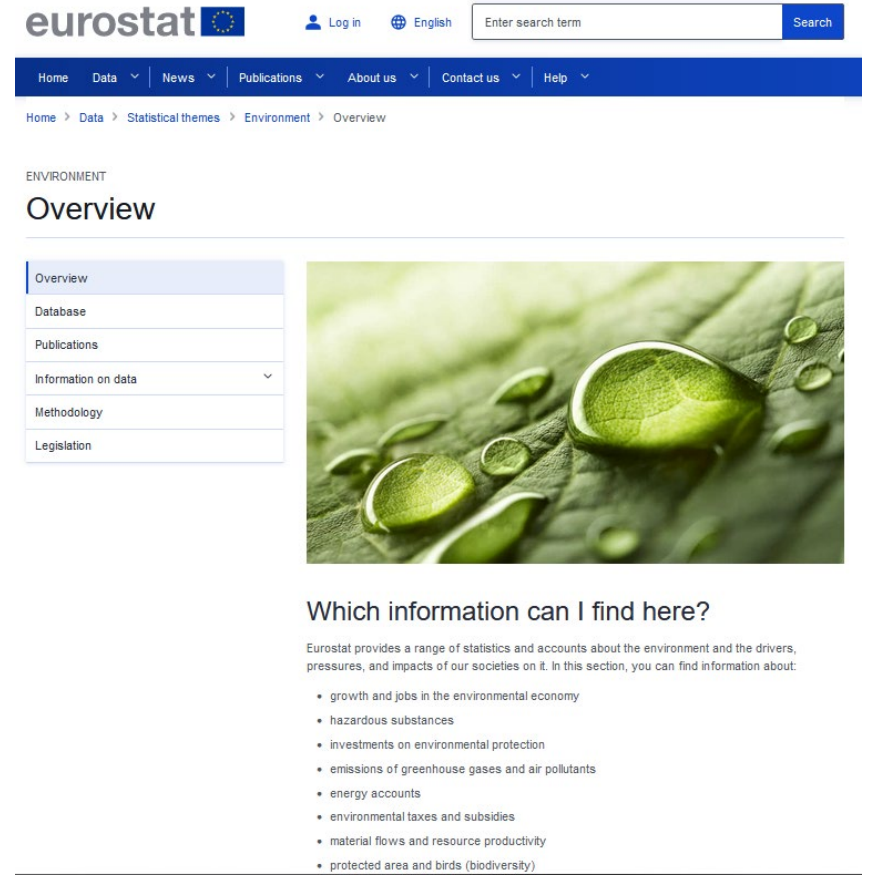
- Ecosystem services: Commission proposing 7 ecosystem services, including **pollination**, defined as:

the ecosystem contribution by wild pollinators to the production of the crops. The contributions shall be reported in tonnes of pollinator-dependent crops that can be attributed to wild pollinators, by type of crop for the main types of pollinator-dependent crops comprising fruit trees, berries, tomatoes, oilseeds and ‘other’.


- Data will be reported in simplified supply and use tables, as in national accounts
- A Eurostat task force is preparing compilation guidelines ([current, non-final draft](#))
- Date of start currently in negotiations. Commission proposed a first reporting in 2026 – reference year 2024.

Where to know more?

- Online article: [Ecosystem accounts - measuring the contribution of nature to the economy and human wellbeing](#)
- Eurostat website: [environment](#)
- Eurostat [methodology](#)



The screenshot shows the Eurostat website interface. At the top, there is the Eurostat logo, a search bar with the text "Enter search term", and navigation links for "Log in" and "English". Below this is a blue navigation bar with links for "Home", "Data", "News", "Publications", "About us", "Contact us", and "Help". A breadcrumb trail indicates the current location: "Home > Data > Statistical themes > Environment > Overview". The main heading is "ENVIRONMENT Overview". On the left, there is a vertical menu with options: "Overview" (selected), "Database", "Publications", "Information on data", "Methodology", and "Legislation". To the right of the menu is a large image of green leaves with water droplets. Below the image, the text reads "Which information can I find here?" followed by a paragraph: "Eurostat provides a range of statistics and accounts about the environment and the drivers, pressures, and impacts of our societies on it. In this section, you can find information about:" and a bulleted list of topics.


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Which information can I find here?

Eurostat provides a range of statistics and accounts about the environment and the drivers, pressures, and impacts of our societies on it. In this section, you can find information about:

- growth and jobs in the environmental economy
- hazardous substances
- investments on environmental protection
- emissions of greenhouse gases and air pollutants
- energy accounts
- environmental taxes and subsidies
- material flows and resource productivity
- protected area and birds (biodiversity)

SAIO - Improving data availability on plant protection products

Current ESTAT PPP data collections

Based on [Regulation \(EC\) No 1185/2009](#) on pesticides statistics / links with SANTE regulations

Obligatory aggregation of data – data by active substance level (AS) not available publicly

1. [PPP sales](#) – annual data collection, by MS, at AS level (kg of total sales, per major groups, categories of products and chemical classes)
2. [PPP use](#) in agriculture – 5-year data collection, by MS, at AS level (quantities and treated hectares per crop and per major groups, categories of products and chemical classes)

Countries send data for at least 1 crop 1 year (at their own choice) during the 5-year

Future PPP data collections under SAIO

- [Regulation \(EU\) 2022/2379](#) on statistics on agricultural input and output
- For PPP statistics:
 - **PPP sales data** - will continue annually starting from 2025 (first SAIO reference year)
 - **PPP use data** - annual starting from ref. year 2028 / **Transitional period 2025-2027: data collection for reference year 2026**
- Definitions and list of products shared with Reg (EU) 540/2011 implementing Reg 1107/2009 as regards the list of approved active substances

SAIO Coverage: use of PPPs

- 2026 ref. year data collection: common list of crops for all Member States. This common list of crops, together with the permanent grasslands, **covers 75% of the utilised agricultural area (UAA) at EU level.**
- From 2028 ref. year onwards: the data **shall cover at least 85% of the PPP use in agricultural activity in each Member State.** The data from each Member State shall relate to a list of crops containing a common part for all Member States, with this common part, together with the permanent grasslands, covering at least 75% of the total utilised agricultural area at EU level.
- As soon as EU legislation requiring professional users of plant protection products to transmit their records on the use of such products in electronic format to national competent authorities is applicable, the coverage of the use in agriculture **shall increase to 95%.**

Collecting PPP data under SAIO

- **Implementing Regulation for the transitional period 2025-2027**
- Implementing Regulation from 2028 onwards – work will start in 2024
- Data will be available at active substance level (sales and use)
- National level data
- Data on sales is less impacted – the structure of the data to be collected remains the same + annual frequency. Reference period is the calendar year.

PPP use data under SAIO – transitional period

- Data on use will be collected for 2026 ref. year **only**
- Reference period: harvest year
- List of 21 crops for the transitional period – organic and non-organic data. Voluntary sending on other crops
- Organic = under conversion and certified areas
- Avoiding double-counting of treated areas – legal requirement

Crop characteristics	Deadline	
	31 December year N+1	
	Area treated	Quantity of active substance
Common wheat and spelt	NAT, OAT	NQS, OQS
Durum wheat	NAT, OAT	NQS, OQS
Barley	NAT, OAT	NQS, OQS
Grain maize and corn-cob-mix	NAT, OAT	NQS, OQS
Green maize	NAT, OAT	NQS, OQS
Rape and turnip rape seeds	NAT, OAT	NQS, OQS
Sunflower seed	NAT, OAT	NQS, OQS
Potatoes (including seed potatoes)	NAT, OAT	NQS, OQS
Sugar beet (excluding seed)	NAT, OAT	NQS, OQS
Apples	NAT, OAT	NQS, OQS
Grapes for wine	NAT, OAT	NQS, OQS
Grapes for table use	NAT, OAT	NQS, OQS
Oranges	NAT, OAT	NQS, OQS
Olives	NAT, OAT	NQS, OQS
Cabbages	NAT, OAT	NQS, OQS
Carrots	NAT, OAT	NQS, OQS
Onions	NAT, OAT	NQS, OQS
Tomatoes outdoor	NAT, OAT	NQS, OQS
Tomatoes under glass or high accessible cover	NAT, OAT	NQS, OQS
Strawberries outdoor	NAT, OAT	NQS, OQS
Strawberries under glass or high accessible cover	NAT, OAT	NQS, OQS

OAT: Organic area (area under conversion and certified area) treated (ha) / NAT: Non-organic area treated (ha)

OQS: Quantity of all active substances used on organic area (area under conversion and certified area) (kg) / NQS: Quantity of all active substances used on non-organic area (kg)

SAIO Collection timeline

PPP sales	PPP use
First reference year: 2025	First reference year: 2026
Reference period: calendar year	Reference period: harvest year
Deadline to transmit data: 31 December 2026	Deadline to transmit data: 31 December 2027
ESTAT publication: Q2 2027	ESTAT publication: Q2 2028

Where to know more?

- Online article: [Agri-environmental indicator - consumption of pesticides - Statistics Explained \(europa.eu\)](#)
- Eurostat website: [agriculture](#)
- Eurostat [methodology](#)

Contact: *ESTAT-AGRI-ENVIRONMENT@ec.europa.eu*

AGRICULTURE

Overview

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Methodology	^
Projects	
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Which information can I find here?

Thank you



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