



 This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 869366.

Panagiota Syropoulou, DRAXIS
Environmental S.A.

Monitoring of Environmental Practices for Sustainable Agriculture Supported by Earth Observation

CAP monitoring - Challenges

- **Large number** of rules & **time consuming** control approach
- **Complex measures** due to the level of detail of the applicable rules
- Control procedures are reflected in **high costs**
- Shift from a **control** to a **monitoring approach**
- Use of **new technology** & **multiple data sources**



Policy recommendations

Coherent EU policies

- Holistic approach within the EU policy framework
- Swift from compliance to performance

Digitisation in Agriculture

- Broadband – rural/remote areas
- Build/enhance digital skills across stakeholders & value chains
- Use of digital solutions

Integrated EU & national systems

- Centralized interconnected public systems
- Interoperable data
- Enhanced public e-services

Co-creation & co-development

- User/Citizen driven public services
- Participatory approach

Public sector innovation

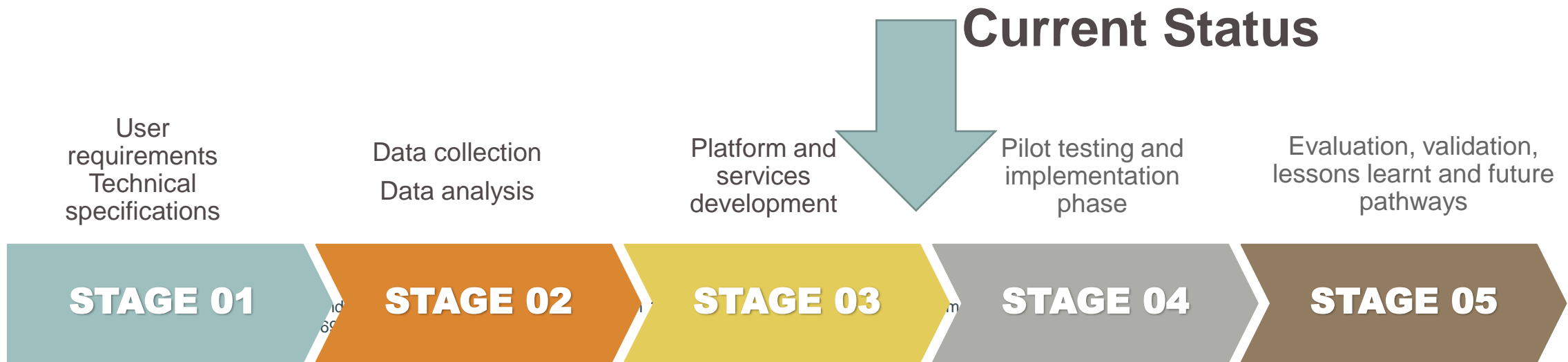
- Uptake of technologies
- Continuous development of digital skills & services
- Strengthened PPPs

ENVISION as a solution



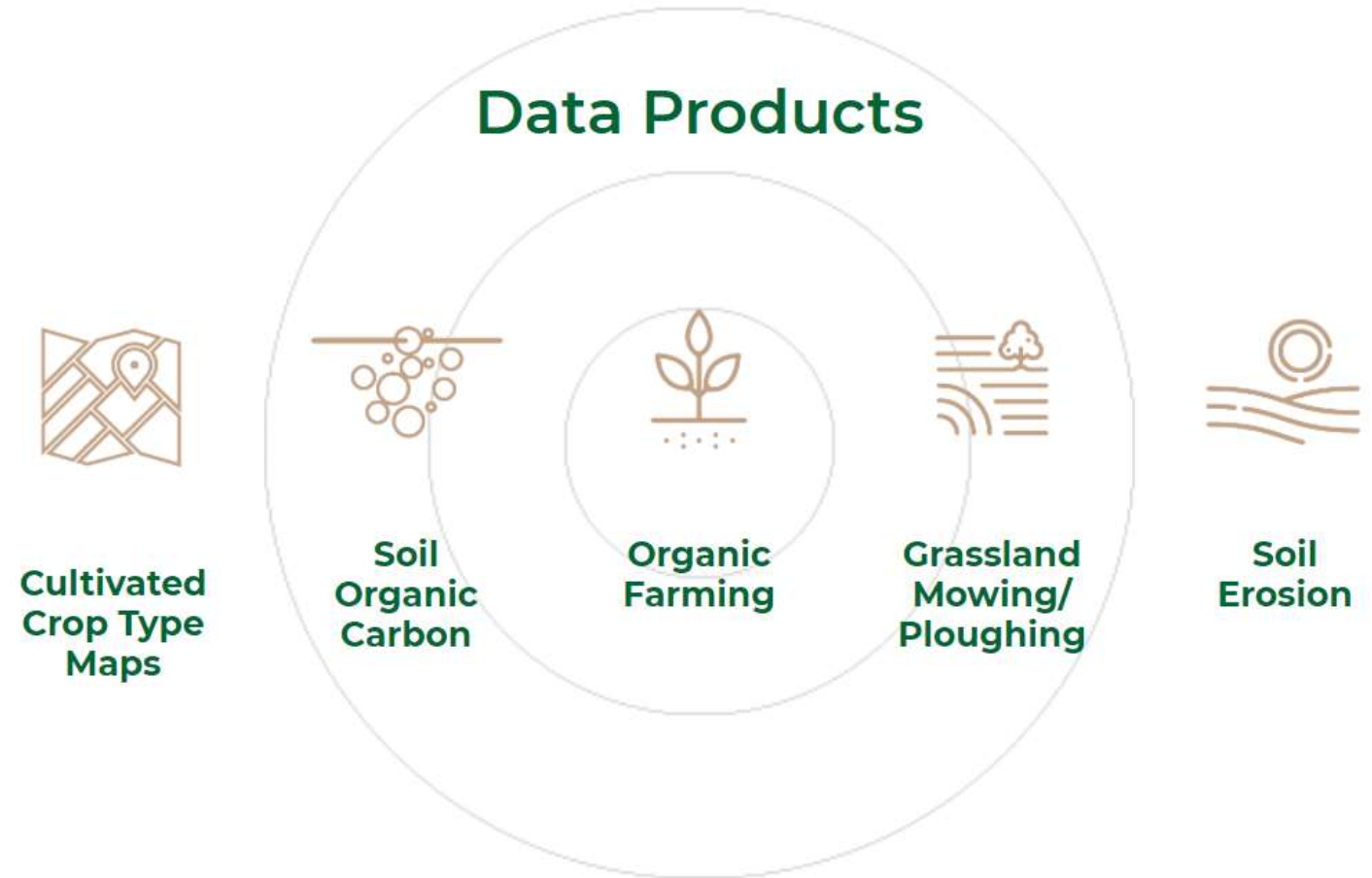
! Harness the tremendous benefits of GEOSS & Copernicus !

- A toolbox of services for the **continuous** and **systematic monitoring of sustainable agricultural practices**, enabling monitoring organisations to adapt to requirements stemming from the EU policy reform
- **3 different customized solutions**
 - ENVISION Web Interface (PAs & CBs), ENVISION mobile app (Farmers), ENVISION Add-on Development Tool (Developers)



Environmental impacts of unsustainable agriculture

- Water pollution
- Soil and landscape degradation
- Biodiversity loss
- GHG emissions



Where we wish to go...

- To automate monitoring of a **wide territory instead of individual fields**
- To enable the **continuous monitoring throughout the year**, instead of checks on specific dates or time windows
- To **lower down monitoring costs**
- To make public authorities' procedures **more transparent and efficient**
- To **transform** knowledge into **added value services**



Who we are...

ENVISION Consortium

UK
UREAD, LEAF

LITHUANIA
NPA (PA)

BELGIUM
EV ILVO, LV (PA)

SERBIA
INOSENS, OCS (CB)

SLOVENIA
ITC

GREECE
DRAXIS, NOA, ETAM,
AgroApps

CYPRUS
CAPO (PA)



This project has received funding from the European Union under grant agreement No 869366.

Lighthouse Customers



Ministerul Agriculturii și Dezvoltării Rurale



Thank you for your attention!



D R A X I S

Panagiota Syropoulou

syropoulou.p@draxis.gr

