

Overview of EU level projects



Improving data-management and information systems for the purpose of CAP evaluation

GOOD PRACTICE WORKSHOP, 16. March 2021

*Dr. Doris Marquardt EU Commission, DG AGRI
doris.marquardt@ec.europa.eu*

Types of Monitoring/ Evaluation/ Control in Agriculture

Type	Context	Characteristics
Indicator-based monitoring and evaluation	CAP (especially Pillar 2)	Collection of statistical and/ or indicator data, baseline, quantification, targets, benchmarking
Ongoing monitoring (for controls)	CAP (especially Pillar 1 + AECM)	Change detection, status assessment
Controls by public administration	Gas, IPM, cattle transport etc (not CAP specific)	Verification of status or process
Crop and farm management monitoring	Private sector	Sensors, FMS and other sources

Data collection / Data generation

- *Collection of statistical data for indicators*
- *Re-use of data for monitoring purposes*
- *Generation of indicator data on the basis of big data through data technologies, such as AI, e.g. on the basis of satellite data*
- *Observing changes / status monitoring*

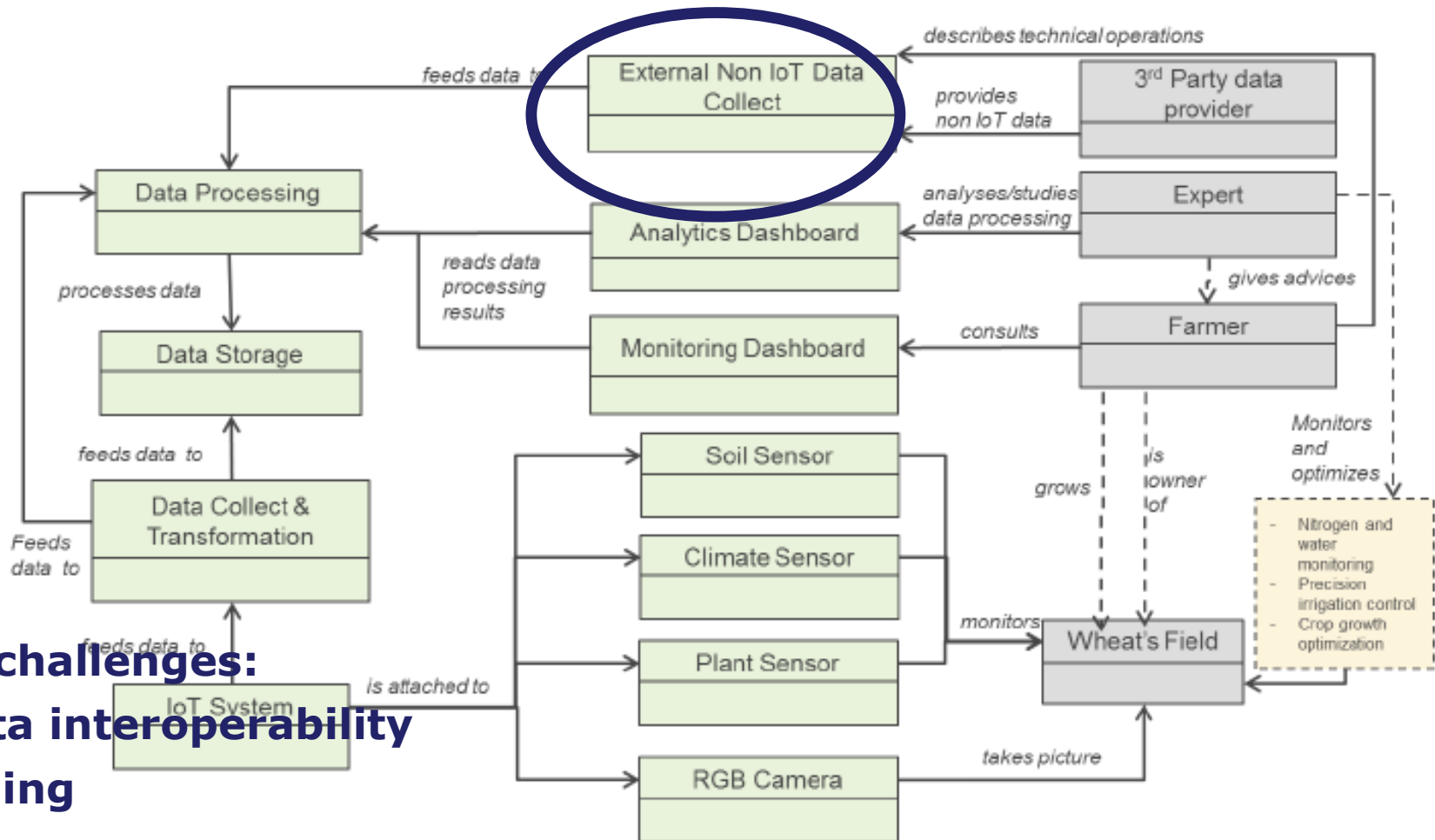
Examples of relevant Horizon 2020 projects

- **MEF4CAP** (<https://www.mef4cap.eu/>)
- **SEN4CAP** (<http://esa-sen4cap.org/>)
- **NIVA** (<https://www.niva4cap.eu/>)
- **ATLAS** (<https://www.atlas-h2020.eu/>)
- **DEMETER** (<https://h2020-demeter.eu/>)

Key Focal points of selected projects

Type	MEF4CAP	SEN4CAP	NIVA	ATLAS	DEMETER
Indicator-based monitoring and Evaluation	X	(X)	X		
Ongoing monitoring (for controls)	(X)	X	X		
Controls by public administration				X	X
Crop and farm management monitoring		(X)	(X)	X	X

Example: IoT Data Precision Crop Management



Key challenges:

- Data interoperability
- timing

Looking ahead

Horizon Europe Candidate Partnership "Agriculture of Data"

Principle objective:

*Using the possibilities offered by **data technologies** in the field of Earth/
Environmental Observation to*

- *provide support to improve the sustainability performance and competitiveness of agricultural production;*
- *improve the capacities for **policy monitoring and evaluation.***

→ *Main scope: data/ information /knowledge **generation** (not data collection)*

- *Planned for the **Horizon Europe work programme 2023/24***
- *Elaboration of Strategic Research and Innovation Agenda with Member States and stakeholders in **2021/22.***
- *Interested in the partnership process, write to **AGRI-DATA-RI-PARTNERSHIP@ec.europa.eu***

Thank you!

Contact
Dr. Doris Marquardt
DG AGRI, Unit B2
doris.marquardt@ec.europa.eu