Farm Sustainability Platform

European Commission concrete support for the implementation of the Farm Sustainability tool for Nutrients (FaST)

Farmers

Improve agronomic performance while reducing fertilizer cost and environmental impact

mobile app, web portal, bridges to tractors, etc.

Managing authorities and paying agencies

Register compliance with GAEC 5, possibly further SMRs and GAECs

Support for further environmental commitments

Gather consolidated data 2-way communication

web portal

Advisors

Assist farmers in developing an efficient and compliant NMP

web portal
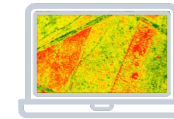
Institutional & private partners

Propose innovative and relevant services to the extensive FaST user community

integrate through APIs and opt-in service marketplace

Policy-makers & researchers

Develop innovative solutions to optimize the use of inputs in agriculture

Ensure data security, privacy and anonymization

web portal, APIs

Circular diagram

Reduced costs, environmental compliance, time saving, opt-in services

Environmental monitoring, increased 2-way comms, economies of scale & CAP digitization

Easy data sharing between farmers and advisors, benchmarking

Knowledge and trends from consolidated data, large datasets for statistics and CAP strategies

Nutrient management
What & when, nutrient budget, best practices

2-way messaging
Between MA/PA and farmer

Administrative data
IACS, LPIS, NVZ, Natura$_{2000}$

Additional services
Compliance, basic payments, environmental impact, etc.

Earth Observation
Sentinel, Copernicus, soil data

User data
Pictures, soil samples

User base of small farmers to propose advanced services

Common platform
Cloud-hosted on DIAS
Scalable

Data security & privacy (GDPR)
Modular design ⟶ extensible
Builds on past EU projects
(e.g. H2020)

Adapts to local specificities
(administrative, agricultural, regulatory)
Interfaces with existing systems
Economies of scale for participating MS

Timeline

Start of project	Feasibility and interest of concept	Review of possible architectures	Development of an open-source prototype of platform & farmer app	Prototype operational on a DIAS	Development of the common FaST platform and connection of voluntary member states
May 2018				Jan 2019	2019 - 2020

European Commission

Copernicus — Europe's eyes on Earth

GALILEO