



Thematic cluster of
the Evaluation
Knowledge Bank

EUROPEAN
EVALUATION
HELPDESK
FOR RURAL DEVELOPMENT



**FARM PERFORMANCE,
PRODUCTIVITY and
SUSTAINABILITY**



NEW DATA FOR MONITORING AND EVALUATION



NIVA - Data interoperability for farmer performance measurement tool



The FLINT Farm Return data recording system



MIND STEP Database and Model Interfaces



The DEMETER Agricultural Information Model



Outputs: NEW DATA FOR M&E



NIVA - Data interoperability
for farmer performance
measurement tool

Potential use in evaluation of the CAP

- *widens the range of data that is relevant for evaluating farm performance and sustainability*
- *offers information about beneficiaries and non-beneficiaries (enabling counterfactual analysis)*



The FLINT Farm Return
data recording system

- *offers additional data and complements the national/regional FADN sample*
- *offers a system for recording additional data required*



Outputs: NEW DATA FOR M&E



MIND STEP
Database and
Model Interfaces

Potential use in evaluation of the CAP

- *offers access to farm-level data, relevant for evaluating agricultural and rural development policies by linking them with individual decision making models at the farm level*
- *offers a simulation model that can be used to evaluate the effects of agricultural policy on different farming systems*
- *offers a multi-data source integration considering IoT, legacy systems, open data, geographical and satellite information to provide an open and interoperable data integration model*
- *makes data from different sources available through the interoperability of existing databases (data for all CAP Objectives)*
- *provides access to new data that can address evaluation questions for significant policy interventions*



The DEMETER
Agricultural
Information
Model



Output: NEW INDICATORS



FLINT - Sustainability indicators at the farm level for monitoring and evaluating the CAP

Potential use in evaluation of the CAP

- *offers 33 sustainability indicators (additional to existing ones), some of which are relevant for assessing the resilience of the farm sector*
- *allows the evaluation of trade-offs and coherence of policy measures. For example, a policy measure may improve environmental performance at the expense of economic performance, or the action may support environmental and economic performance*



METHODOLOGIES



SPARD - Spatial
econometric
models for
evaluating RDP
measures



- A methodological tool for the ex ante evaluation of CAP reforms based on FADN data
- A methodological tool for the ex post evaluation of past CAP reforms based on FADN data
- Methodology for assessing the impact of adopting organic farming on farms' economic and environmental performance
- Methodological tool to evaluate farm performance



Output: **METHODOLOGIES**



SPARD - Spatial
econometric models for
evaluating RDP
measures

Potential use in evaluation of the CAP

- *offers a methodological framework for examining the effects of RDP programmes on different result and impact indicators considering the spatial dependence in the data*
- *covers indicators related to productivity in agriculture*



Output: METHODOLOGIES



A methodological tool for the ex ante evaluation of CAP reforms based on FADN data

- *allows the estimation of various developments such as price changes or policy changes on the cost function of EU farms utilising only FADN data*
- *allows scenario analysis and the ex ante evaluation of likely policy impacts*
- *may be used to assess the ex ante effects of the CAP Strategic Plans on productivity and farm viability*



A methodological tool for the ex post evaluation of past CAP reforms based on FADN data

- *allows the ex post estimation of the effects of policy changes (reforms) on the cost function of European farms by utilising only FADN data*
- *can be used to estimate policy impacts on competitiveness since the cost of production directly links to farm competitiveness*



Output: METHODOLOGIES



Methodology for assessing the impact of adopting organic farming on farms' economic and environmental performance



Methodological tool to evaluate farm performance

Potential use in evaluation of the CAP

- *offers a method to evaluate the cost difference between conventional and organic farming using only FADN data*
- *may be used in an ex ante context to assess the costs and benefits of interventions that support organic farming compared with conventional farming*
- *can be used in an ex ante or ex post context to assess the likely or actual effects of proposals or interventions on sustainability through organic farming practices*
- *helps overcome specific data difficulties such as outliers, to lift data constraints or fill in data gaps*
- *can be used to evaluate farm performance, examine farm efficiency and inefficiency, and make specific reference to economies of scale and competitiveness*
- *useful in evaluating indicators related to farming performance and competitiveness or examining the impacts of various measures on a farm's performance*



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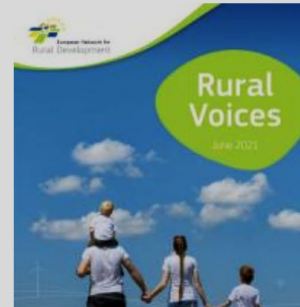
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Rural Voices report

The 'Rural Voices' report provides a qualitative analysis of the findings from stakeholder workshops contributing to the long-term vision for rural areas.



This ENRD report records the hopes and dreams of more than 300 rural citizens from different EU countries who participated in a series of workshops aimed at encouraging rural citizens to reflect on the social, economic, and environmental conditions of their own rural area and how it might change over the next 20 years, what developments they would like to see and the conditions and policies needed to reach their future vision.

Click on a country flag to connect with rural Europe

Insights into various outputs developed in initiatives and projects at the EU and Member States levels concerning data infrastructures and data use.

A quick guide on potential use, showing how these outputs could be used for monitoring and evaluation of the CAP.