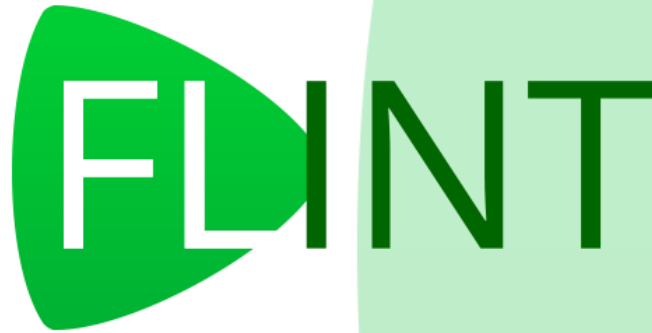




Farm Level Indicators for New Topics in policy evaluation: Project intro

Hans Vrolijk and Krijn Poppe

Wageningen Economic Research, The Netherlands

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SDG's, COP21 (Paris' Climate change): new policy goals asks for new data



- European policies are (being) adapted:
 - Common Agricultural Policy: Cross Compliance, Greening
 - CAP Rural development: innovation (EIP Agriculture)
 - Nitrate directive
 - Water directive
 - Etc.
- Policy evaluation has a need for data on these topics

Indicator frameworks

- A wide range of international policy, economic and sustainability indicator frameworks exist:
 - Millennium development goals
 - FAO indicators of sustainable development
 - OECD Agri-environmental indicators
 - Eurostat environmental indicator framework
 - European Environment Agency indicators
 - IRENA project interactions between agriculture and environment
 - AE foodprint effectiveness of environmental schemes
- National initiatives

Data collection

- Collection of sustainability data still in its infancy
 - New farm return, FADN
 - Diredate (Eurostat)
 - National initiatives
 - Sustainability indicators in Dutch FADN
 - Irish data on triple P
 - Farmers business confidence in Flanders
 - Pacioli papers on other initiatives

Assessment situation

- Information needs on sustainability from private sector, government, NGO's and research
- Official agricultural statistics (slowly) adapt to new information needs
- No agreement on what the future data infrastructure at EU level should look like.
 - Extend FADN, link FADN to other administrative data or separate environmental data network
- Developments
 - Combining statistical and administrative data
 - Farmers often have to collect and provide data on sustainability and food safety issues (Global Gap, BRC, SAI initiative, cool farm tool etc.)

Objectives FLINT

- To demonstrate the feasibility of collecting policy-relevant data in different administrative environments
- To demonstrate how the new farm level indicators can be used to evaluate policies and improve the targeting of policy initiatives

Source: EUROSTAT (geographic data) and DG AGRI L207 (Thematic data)
Cartography: DG AGRI GIS-Team 11/2009
© EuroGeographics Association for the administrative boundaries

0 150 300 450 600 750 km



IT

Advisory board



5 key questions of FLINT

- *What is desirable?* What farm-level data is needed for the CAP policy evaluation ?
- *What is feasible in the value chain?* Data-collection is costly and depends on the collaboration of farmers.
- *What is a feasible pilot network?* Data collection is tested in a pilot network with up to date ICT support for a European infrastructure?
- *What is useful?* Is the newly collected farm-level data really essential in policy evaluation?
- *What is acceptable?* What are acceptable scenarios for the future data-infrastructure in an era of tight budgets?

Why did we use FADN in the pilot

- Interest is at the farm-level
- Need multi-dimensional data source – economic, social, environmental (& innovation)
- EU harmonised data
- Implemented annually
- Indicators must be credible
 - Objective, verifiable and empirical data
- BUT: where possible, link to existing data

Need for an Integrated data set

- Measurement of different sustainability indicators on the same set of farms
- Allows the analysis of the full chain from: Policy objective -> policy measure -> impact on farm -> farm management decisions -> up to: sustainability performance of farms
- Trade-off and jointness of performance on different sustainability measures as a consequence of policy measures

Foreseen Impact

- Consistent set of indicators and empirical testing of data collection in different administrative environments
- Newly collected data provides wide range of new opportunities for policy evaluation and scientific research
- Optimal data collection method in a sample framework,
 - administrative burdens for farmers will be kept to a minimum or even be reduced, compared to a situation of more statistical surveys and data collection by industry
- Involvement of agricultural sector
 - In order to have a feasible approach
 - Provides opportunities to improve farm performance



Contact us:

Hans Vrolijk:

hans.vrolijk@wur.nl

Krijn Poppe:

krijn.poppe@wur.nl

more information:

www.flint-fp7.eu

