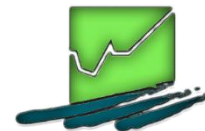


Polish experiences in collecting FLINT data from FADN farms

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Content of the presentation

1. General info FLINT
2. Organization of survey in Poland
3. Experiences
4. Conclusions

General info FLINT

- Pilot project
- To establish a **tested data infrastructure** with up to date **farm level indicators** for the **monitoring and evaluation of CAP** and to contribute to a **better targeting** of CAP and other policy measures
- Use FADN to develop indicators that capture the different dimensions of the sustainability concept
 - Economic, social, environmental
 - Incl. innovation, risk management



Environmental

E1: Greening

E3: Semi-natural areas

E4: Pesticide usage

E5: Nutrient balance

E7: Indirect energy use

E8: Direct energy usage

E9: On-farm RE prod.

E6: Soil organic matter

E10: Nitrate leaching

E11: Soil erosion

E12: Use of legumes

E14: GHG calculation

E16: Water usage,
storage

E17: Irrigation practices

Economic,
innovative

E11: Innovation

E12: Producing under
label

E13: Market outlet

E14: Farm duration

E15: Efficiency field parcel

E17: Insurance

E18: Marketing contracts

E19: Risk exposure

E16: Modernization

Social
sustainability

S1: Advisory service

S2: Education and
training

S3: Ownership
management

S4: Social engagement

S5: Working conditions

S6: Quality of life

S7: Social diversification

Different types of FADN data collection

- **No standardised approach**
- **Countries with Type X**
 - Data provided by (fiscal) accountants
 - Re-use of accounting data for FADN purposes
 - Less Expensive
 - More difficult to make changes
- **Countries with Type Y**
 - FADN Data collection by FADN liaison agency (or delegated to other)
 - Dedicated FADN data collection
 - Relatively expensive way to collect FADN data
 - More flexible to make changes in data collection

Data collection in FLINT

Country	Who collects FLINT data	Link to FADN data collection
France	Agriculture students	Separate
Ireland	Researchers+NFS data collectors	Yes
Spain	Farm advisors and accountancy offices	Separate
Poland	Agricultural advisors (same as for FADN)	Yes (but separate agreement)
Greece	2 agronomists – researchers data collectors	Separate (with FADN data collectors)
Hungary	Accounting offices a (same as for FADN)	Yes (but separate agreement)
Netherlands	Advisors (same as for FADN)	Direct connection
Germany	2 researchers	Separate but in coop with FADN liaison agency
Finland	ProAgria-FADN data collectors	Separate (with FADN data collectors)

FLINT – organization of survey in Poland

- **146 farms**
 - 25 + 1 milk farms
 - 25 + 1 crop farms
 - 25 + 1 permanent crop farms
 - 25 + 1 pigs farms
 - 40 + 1 mixed
 - 1 small farm (below threshold of 4000 euro SO)
- **15 data collectors**
 - Data collectors selection
 - Kick-off meeting autumn 2014
 - Second meeting spring 2015
 - Third meeting - data collection training winter 2015
- **4 FADN regions**

FLINT – organization of survey in Poland

- **FLINT questionnaire (10 tables)**
 - Based on FLINT data definitions
 - Translated (in PL) and adjusted to Polish conditions
 - Skipped issues already present in Polish FADN (animals, crops, feed stuffs)
- **FLINT instructions**
- **Separate methodology and software for pesticides**
- **2 trial farms**
- **Contracts**
- **FLINT data by end of May (all 146 farms)**
- **FADN data priority in FLINT farms**
- **All FADN and FLINT data ready by August 2016**
 - data available for specific case studies



General experience

- **Some data already in Polish FADN – no need for full FLINT data collection**
 - FADN data merged with FLINT data in a backoffice
- **Many FLINT variables partially available in FADN i.e. if some monetary value present in FADN, data collectors could ask for quantity**
 - reduces information collected from farmers and directs the interview

General experience

- **Relationship with FADN data collector was crucial for participation in FLINT**
 - low rate of refusal
 - bilateral advantages motivated farmers to participate
- **Meticulous selection of data collectors – advisors well experienced in farm level data collection – knowledge/skill of data collectors important**
 - knew how to approach the farmer to get participated in the project
 - explain the objectives of data collection, sustainability issues
 - ensure quality of data collected
 - keep the deadline for data collection
 - treat FADN farms taking part in FLINT with priority

General experience

- **Minimum 5 farms per data collector in order to get experienced in FLINT data collection**
 - collection of new data always causes some initial problems and need for adaptation
- **Perceived importance and awareness of sustainability and farm impact on environment varies by farmer**
 - Connection between questions and sustainability issues needed additional explanation
- **Farmers were surprised by number of questions they were asked**
 - even though they answered everything
 - FLINT partners aware that there are many questions – even concorcium had doubts about certain criteria but this is a research pilot project which aims to test in practice data collection,



Data collection experience

External sources of information

- **FADN (nearly all tables)**
- **SAPS application (e.g. greening)**
- **Insurance policy**
- **Contracts**
- **Invoices (e.g. energy), receipts**
- **Crop protection evidence**
- **Certificates (e.g. integrated production, organic farming)**
- **Land registry (land parcels)**

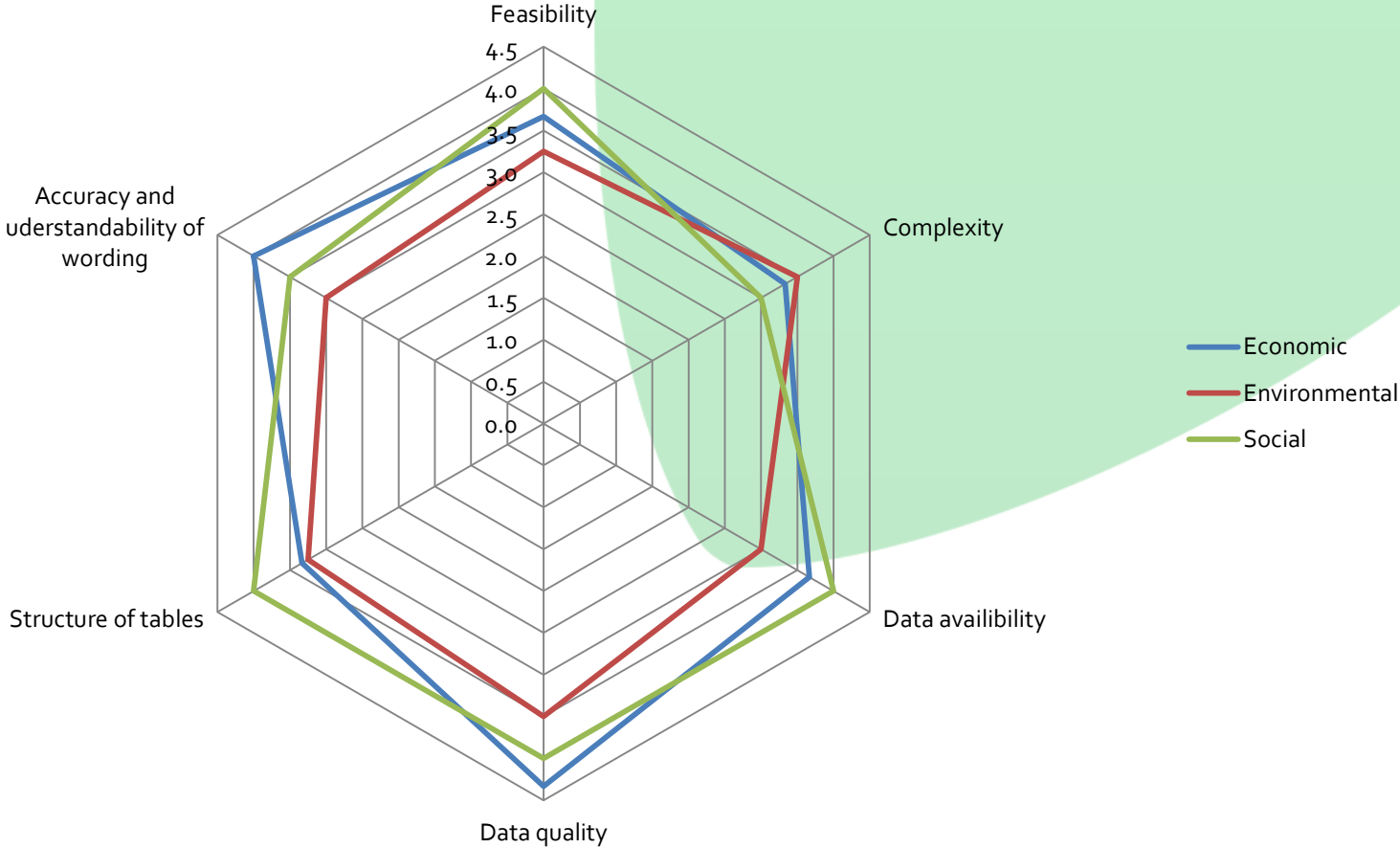
Data collection experience – time required

- **Average time needed varied by type of farming from 2,5 hour till 12 hour per farm**

- Field crops	2,5 – 8h
- Permanent crops	2-9h
- Milk farms	2,5-12h
- Pig farms	2,5 – 12h
- Mixed	2,5-10h

- **Includes FADN data analysis before the interview,**
- **Face to face interview**
- **Use of other external sources**
- **Final questionnaire fulfilment**

Summary of data collectors experience



1 (poor), 2 (fair), 3 (good), 4 (very good), 5 (excellent)



Social

- **Straightforward questions, easy to give quick answer,**
 - no external sources required,
- **Some social variables needed broader explanation**
 - at first farmers were hesitant to reveal information concerning their private aspect of life (social engagement),
 - FADN is oriented on economic performance of the holding,
- **Advisory was a tricky question,**
 - farmers hesitant to disclose other sources of advice in front of public advisor,
 - no record of the number of visits – just guessing,
- **Some questions seemed to be sensitive to farmers,**
 - financial involvement in other companies.

Environmental

- **Some definitions used in the questionnaire were different from how farmer perceives it**
 - i.e. soil erosion
- **Farmers find water quantity estimation difficult**
- **As for energy, farmers reported only sources that were easy to measure (fuel, electricity)**
- **Land management**
 - parcels – no need to use LPIS
- **Pesticides**
 - the biggest, **but successful** challenge – needed to work out purposeful methodology
 - problematic data in small farms
 - in permanent crops farms was time-consuming – lots of pesticides used

Economic

- **Innovations were found difficult to explain**
- **Off-farm employment and contracts were perceived as sensitive issue**
- **Buildings**
 - number of places, m^2 , m^3 needed estimation

Costs

~ **100 euro** for 1 completely fulfilled questionnaire free of errors.
No differentiation between type of farming or economic size of the farm

included: travel expences, phone consultations, remuneration

excluded: data entry

Conclusions

- **Collection within FADN system provides advantages in terms of farmers participation and data quality assurance**
- **Data collectors do not find sustainability data collection too complicated – first year of FLINT data collection far less complicated than first year of FADN**
- **Data was collected thanks to good cooperation between advisor and farmer worked out during long-term FADN experience**
 - Trust and confidentiality

Conclusions

- **FLINT is a pilot project and reduction of variables is foreseen based on experience – due to difficulty to collect or sensitiveness for farmer**
- **Farmers answered all the questions required by FLINT data collection although some caused problems**
- **With some adaptations and clarifications it would be feasible to collect FLINT variables in Polish FADN in the future**

Thank you for attention 😊

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