

Flint data collection experience in Hungarian FADN

Szilárd KESZTHELYI, PhD

*Good Practice Workshop on data management and information systems,
16-17 March 2021*

Some characteristics of Hungarian FADN data collection were useful in FLINT



Good **partnership** with data collectors for a long time



2 extra data collections in every year fixed in the contracts



Our data recording system is ready to implement new data collection



Collection in **scope of FADN provides advantages** in terms of farmer participation and quality assurance

Experiences of FLINT data collection in Hungary

Perceived importance & awareness of sustainability

Collection of new data always causes some initial problems and need for adaptation

(However, first year collection of sustainability data seems far less complicated than first year FADN data collection)

Sustainability data – annual data collection not necessarily needed

In the project there was enough time for planning the data collection

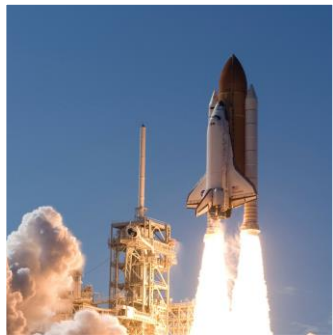
Some variables are ‘threatening’ or ‘private’

Usefulness of FLINT in Hungary



Sustainability is one of the top priorities of the future

Some of the sustainability data was built into our ongoing FADN data collection



Accelerate the process

Data from FLINT

GHG
calculation

- Manure and slurry (export/import)
- Detailed information on purchased feedingstuff



RD
evaluation

- Direct use of energy/On farm renewable energy production
- Off farm employment



Already
existing data

- Ecological Focus Area
- (Other gainful activities)

FADN farm return contains it



Additional data collection on FADN sample

- Evaluation of Rural Development Programme – innovation and investments (2019)
 - Evaluation of Rural Development Programme – innovation (2020)
 - Investment cost of plantation (2021)
 - Farm Succession (2019)
-
- Use of antibiotics (2019)
 - Irrigation practices (2013-2017)
 - Precision farming (2017-2018)
 - Feeding, housing, manure management for GHG and ammonia emission calculation(2016-2018)

How the results from the Evaluation of RDP are used for the CAP Strategic Plan - Innovation

CAP (2021-2027) Strategic Plan



Reason for FADN:

- No other reliable data source
- Flexible/Easy to run a questionnaire
- Typology/Other financial information – Easy to select the appropriate farms

Themes of innovation:

- Inspiration of innovative technologies
- Effect of innovation: cost, employment, selling price, diversification of production, additional investments, production efficiency, return on investment, strengthening sustainability

Support the preparation of RD policy measures – Investment of plantation

- Reimbursement of expenses based on new accounting (flat-rate payment)
- Validation of flat-rate amounts needs independent expert judgement
- Used data sources: FADN, Agricultural Statistical Informational System, Fruit and vegetables interbranch organisation
- Aim to determine the cost of investment by technological elements, species, etc.



Future (involvement of administrative data)



on-line Farming logbook,
2020

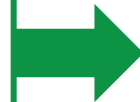
Agri-Environment Schemes

Organic farming

NATURA2000

*Areas facing natural or other
specific constraints*

- 21 thousand Farms
- 900 thousand hectares,
- of which 400 thousand arable land



on-line Farming logbook,
2023

Eco-schemes in the new CAP

- 50 thousand Farms
- 3.5 million hectares,

data directly
transferred
to



FA(S)DN
farm return

On-line Farming logbook contains:

- Land use
- Area (*Arable land, crops, permanent crops, set-aside land*)
- Farming operation log
- Usage of plant protection products
- Irrigation log
- Manure management log
- Livestock changes
- Grazing log
- Soil analysis reports

Conclusions

- FADN data collection approach is useful to evaluate almost all agricultural policies
- Agricultural policies are more and more data driven
- Sample based data collections can meet the requirements of quality data since not the absolute values, but the changing of indicators is the substance of the information
- Two options for national FADNs to support the process
 - Additional data collection (usual manner)
 - Incorporate other existing (administrative) data

Thank you for your attention!



keszthelyi.szilard@aki.gov.hu



www.aki.gov.hu