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Outline

- ✓ Background: Farm Accountancy Data Network
- ✓ Key issues, problems and solutions (FADN and other sources)
- ✓ The satellite samples in Italy: criteria, key steps and usefulness
- ✓ Recommendations

Background

- ✓ FARMS' economic and environmental performance ANALYSIS
- ✓ TERRITORIAL ANALYSIS
- ✓ Specific Agricultural SECTOR ANALYSIS
- ✓ ANALYSIS of SCENARIOS and Policy IMPACT

Ex-post Evaluation Indicators:

I.01 Agricultural entrepreneurial income; I.02 Agricultural factor income; I.03 TFP in agriculture
R.02_PII Change in Agricultural output on supported farms/AWU

The use of FADN: Weaknesses/limitations

Key issues identified

The Sample Design

**The rotation of farms:
discontinuity in time series**

**Updates/reviews of variables
affect times series**

Tailored needs/information

Sample size of treated

Solutions implemented

- Additional survey – Satellite samples
- Weighting of the data based on specific criteria

- Panel data/selection of a constant sample (medium/long – term)

- Time series connection/cross links
- fitting coefficients

- Satellite samples
- Selection of clusters for specific issues

- Satellite samples for RDP's measures

Other sources: Weaknesses/limitations

Other sources

Operations Database

Info from LAGs

DG AGRI (CMEF, ...)

National/Regional statistics

EUROSTAT, (FSS EAA LFS,...)

CORINE

JRC

Designations (ANC; NATURA, nature reserves etc.)

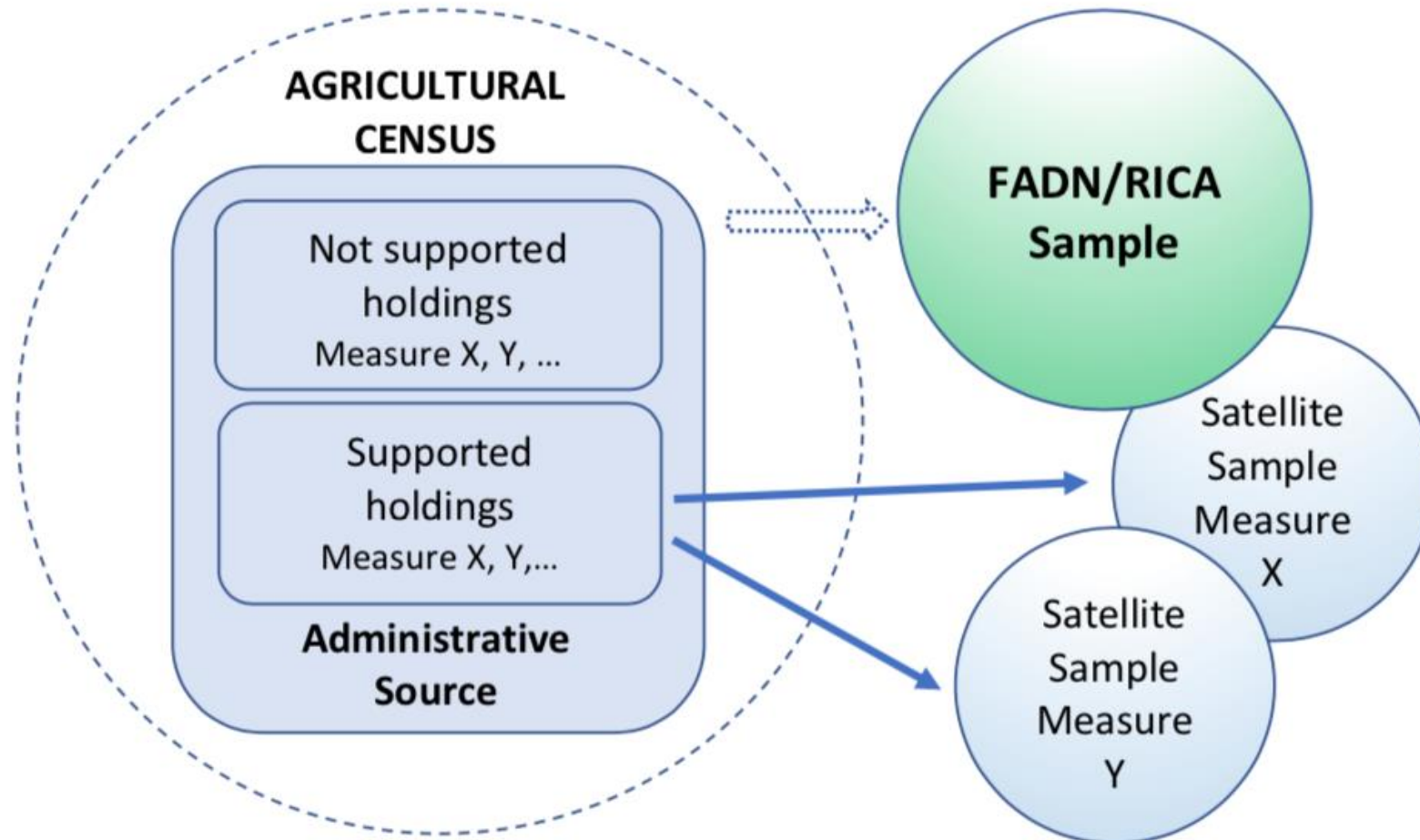
Veterinary services

Regional and administrative DB

Gaps and caveats (briefly)

- Missing data
- Non homogenous
- Some relevant gaps at territorial level (Regions, Rural areas, ...)
- Some relevant gaps at territorial level (Regions, Rural areas, ...)
- Some relevant gaps at territorial level (Regions, Rural areas, ...) and sector level (Forestry)
- Criticism in the alignment with national statistical data
- Some relevant gaps at territorial level (Regions, Rural areas, ...) and updates
- Some relevant gaps at territorial level (Regions, Rural areas, ...) and updates
- Some relevant gaps at territorial level (Regions, Rural areas, ...) and updates; methodological criticism (now it's ok)
- Only available for some Regions
- Lack of homogeneity and comparability

The satellite design



Criteria for building a satellite sample

Criteria

Same production factor envelope (land and labour force...)

Same Location

Same Farm Type

Same Economic Size

Similar natural and environmental conditions

Age of farmer

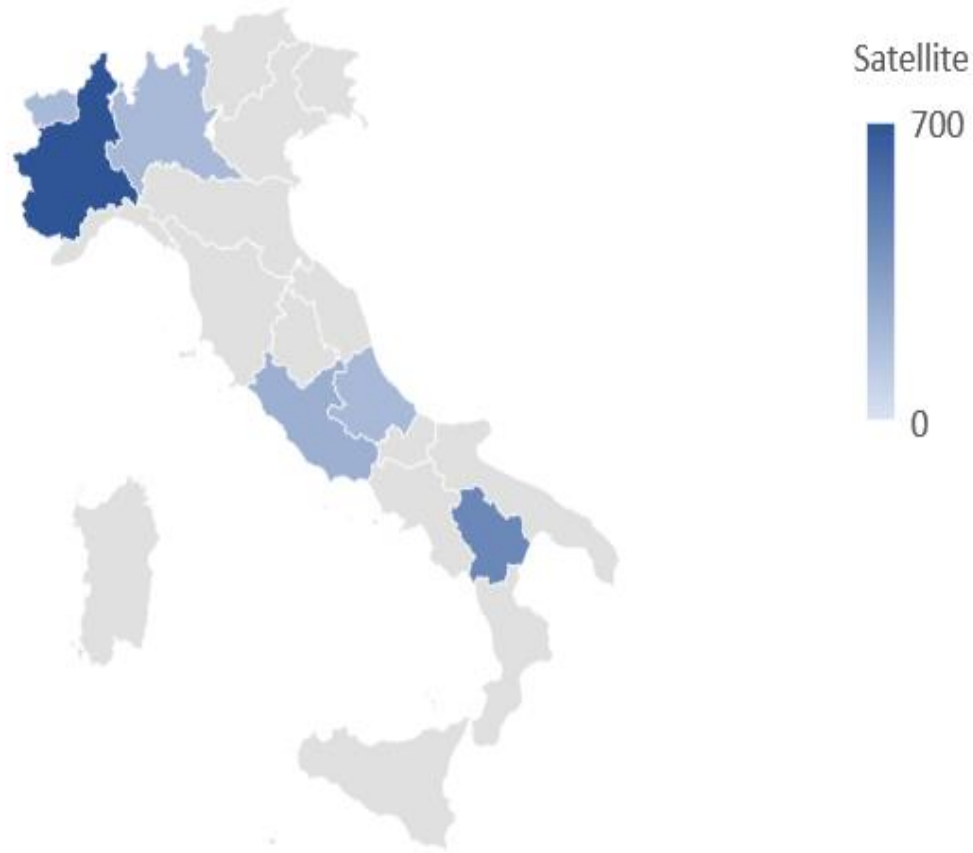
Farmer's Degree of Education

Certification

FADN variables

- UAA (Utilized Agricultural Area)
- UAB (Units of Adult Bovins - Livestock units),
- TWU, FWU (Total Working Units, Family Working Units)
- Region, Province, Municipality
- FT (Farm Type)
- ES (Farm Type)
- Land Productivity
- Altitude (lowland, hills, mountains)
- Altimetry
- LFA (Lessa Favoured Areas)
- Other environmental constraints
- Year of birth
- Type of Degree
- Quality assurance schemes (PDO)
- Organic farming certification

The satellite samples in Italy



Con tecnologia Bing
© DSAT for MSFT, GeoNames, Navteq

Region	Measures/Issues
Valle d'Aosta	Specific sectors, LFA, diversification , small farms
Piedmont	Modernization, young farmers new farmers, diversification
Lombardy	Modernization, YF, diversification , AEC
Friuli VG	Modernization, YF, new farmers, diversification , AEC, organic farming
Tuscany	Production costs
Lazio	Modernization, YF, diversification
Abruzzo	Modernization, diversification, LFA
Basilicata	Modernization, YF, diversification , AEC

Recommendations for the ex post

1. **Satellite samples** are useful to measure the **POLICY IMPACT** (Counterfactual Analysis – treated and non treated)
2. **Satellite samples** use the FADN methodology so they allow **COMPARISONS** with the total FADN sample data
3. **Satellite samples** avoid high costs related to any **ADDITIONAL SURVEY** needed to evaluate RDP's impact
4. **Satellite samples** are useful for building some of the Ex-post Evaluation **INDICATORS**

Recommendations - data management system - CAP post-2020

Data sources

- Reliable, checkable and on-going or rather able to guarantee continuity over time
- Tailored to the area under study;
- Updated (preferably every 2 years)
- Harmonized

FADN + Satellite Samples matching with the administrative recording systems (it would be desirable)

ITALY: *in fieri* Agreement “CREA-Italian Agriculture Paying Agency-Ministry of Agriculture” about ISTAT Census data, the next CMEF and the calculation algorithm for FT definition

Recommendations - data management system - CAP post-2020

Existing data sources need to be adapted and strengthened:

FADN + Satellite Samples

SATELLITE SAMPLES DO CONTRIBUTE TO RD POLICY EVALUATION

**HARMONIZATION - DATA QUALITY ASSURANCE – INTEGRATION – COLLABORATION-
DATA CULTURE**

Thank you

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