Reusability of IACS/LPIS geospatial data to estimate the Utilized Agricultural Area

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INTRODUCTION

- The **Open IACS** fosters the opening and re-using of administrative data from European agricultural payment agencies.
- The Integrated Administration and Control Systems (IACS) from paying agencies can be a relevant source for computing indicators for monitoring the performances of the Common Agricultural Policy (CAP).
- Performance of CAP is measured by a set of Context, Impact, Results and Output indicators according to the Common Monitoring and Evaluation Framework (CMEF).
- **Context indicators** within the EU framework are generally computed with statistical surveys data from Eurostat.

Objectives

- Identification of the IACS variables for the indicators: Total Utilized Agricultural Area (UAA) and Share of UAA by land use type.
- Creation of spatial layers for the indicators by:
 - **Matching** Land Parcel Identification System (LPIS) codes with Eurostat codes to identify agricultural parcels;
 - **Counting** hectares of agricultural parcels and computing the percentage for three different agricultural land use types.

Definition of the indicators

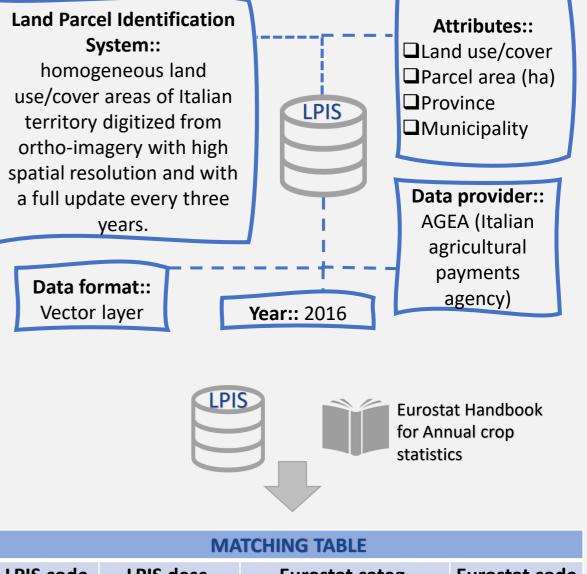
- 1. Total utilized agricultural area (UAA) in absolute terms expressed in hectares
- Share of UAA* expressed as percentage of the total UAA for arable land, permanent grassland, permanent crops

* Kitchen gardens are not considered since the datasets cannot allow their clear identification

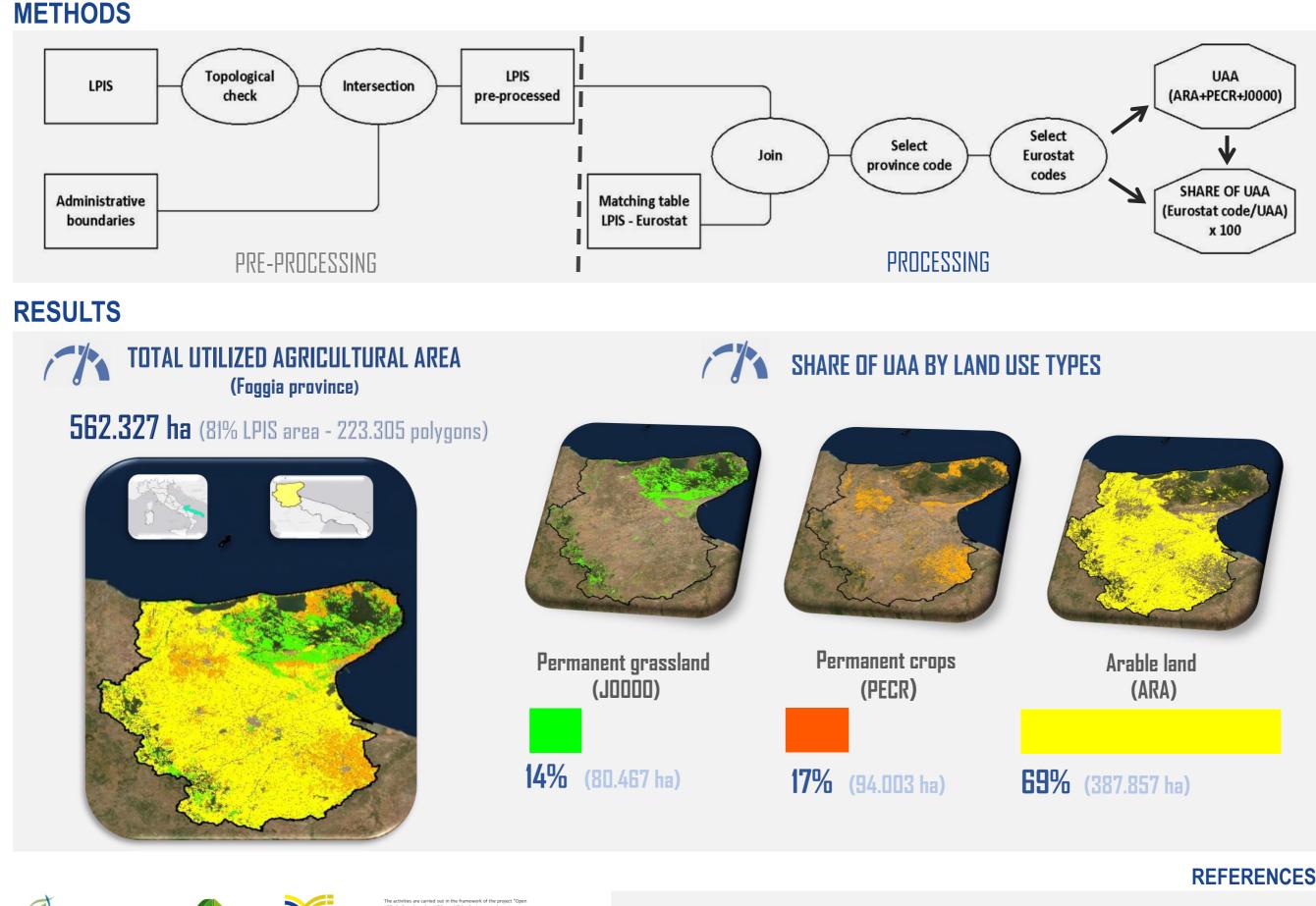
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DATASETS



MATCHING TABLE			
LPIS code	LPIS desc.	Eurostat categ.	Eurostat code
2	Durum wheat	Arable land	ARA
420	Olive orchards	Permanent crops	PECR
364	Pasture	Permanent grassland	J0000
650	Forest	No UAA	No UAA



<u>https://open-iacs.eu/</u>

<u>https://ec.europa.eu/info/sites/default/files/food-farming-fisheries/key_policies/documents/technical-handbook-monitoring-evaluation-framework_june17_en.pdf</u>