JECAM
Joint Experiment for Crop Assessment and Monitoring

GEO GROUP ON EARTH OBSERVATIONS

GeoODK for Cropland & Crop type data collect

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Earth and Life Institute - Geomatics

IIASA International Institute for Applied Systems Analysis

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"JECAM Guidelines for Cropland and Crop Type definition and Field Data Collection"

- Annual cropland definition
- Crop types and land cover classes (legend definition)

Land cover		Crop group		Crop class		Sub-class	Cropping practices
Annual cropland	1	Cereals	11	Wheat	111	winter crop	tillage vs no tillage
					112	spring crop	residues vs no residues
			12	Maize			grain vs fodder crop
			13	Rice			Irrigated vs rainfed
			14	Sorghum			pure vs mixed crops
			15	Barley			...
			16	Rye			
			17	Oats			
			18	Millets			
			19	Other cereals	191	Mixed cereals	
					192	Other	
	2	Vegetables and melons	21	Leafy or stem vegetables	211	Artichokes	
					212	Asparagus	

eForm Cropland/Crop type data collect

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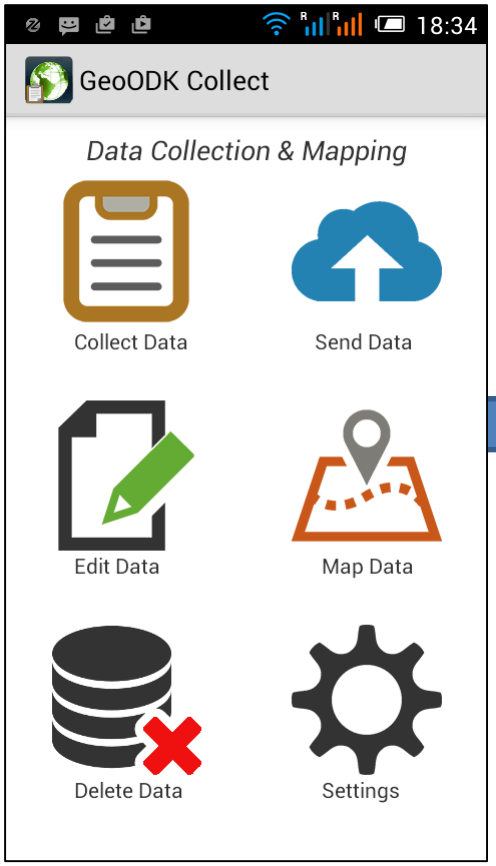
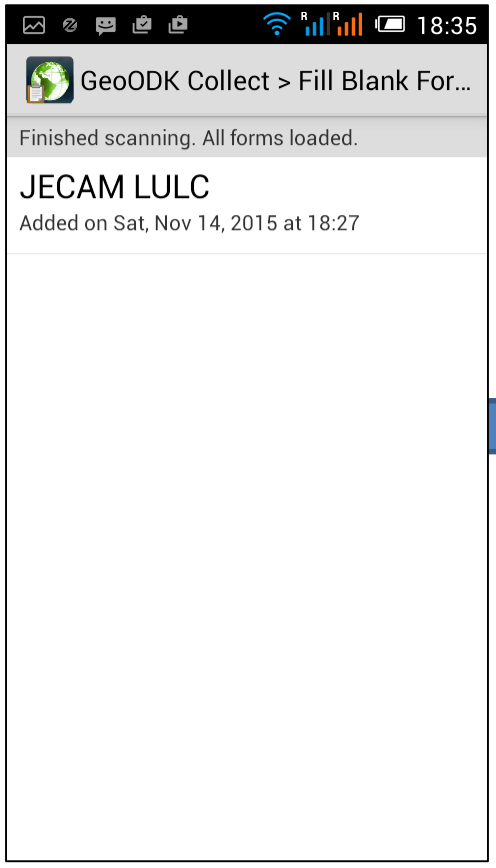
Geographical Open Data Kit

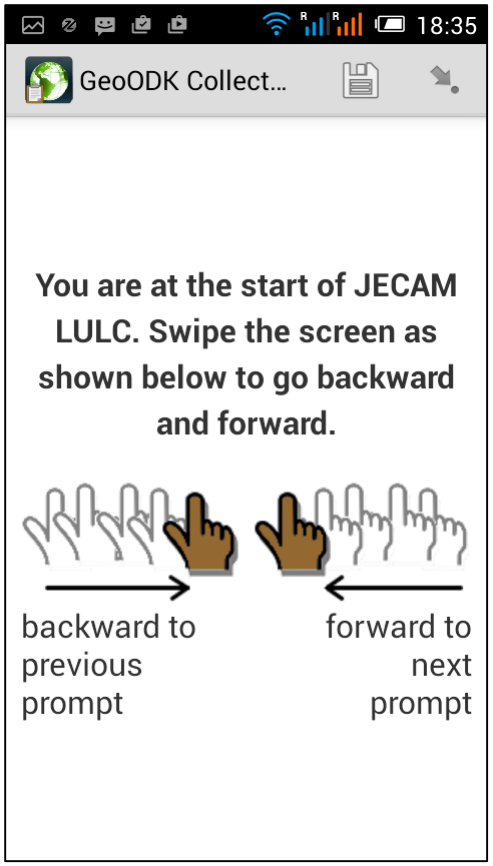
- mobile data collection solutions
- free and open-source
- for geo-referenced information

- 3 components:
  - Mobile (GeoODK collect app)
  - Data storage (cloud) & access (ODK Aggregate)
  - Web based form builder (Build or XLSForm)

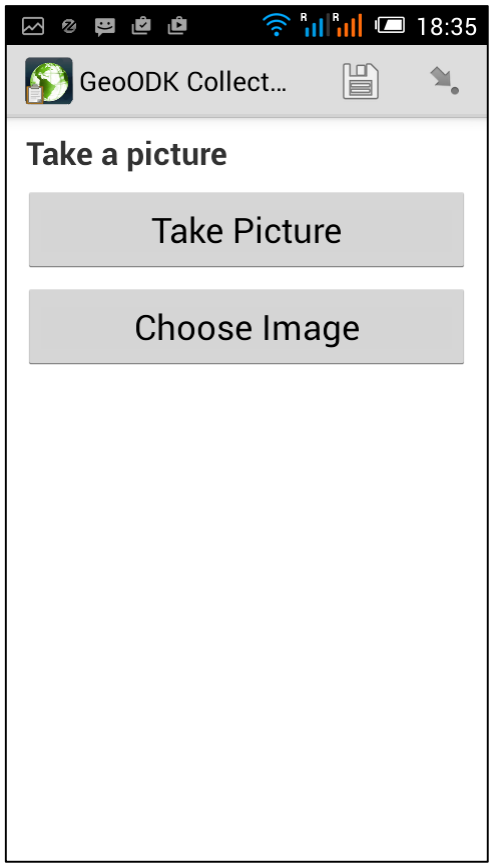
Field survey with "*GeoODK Collect" app*

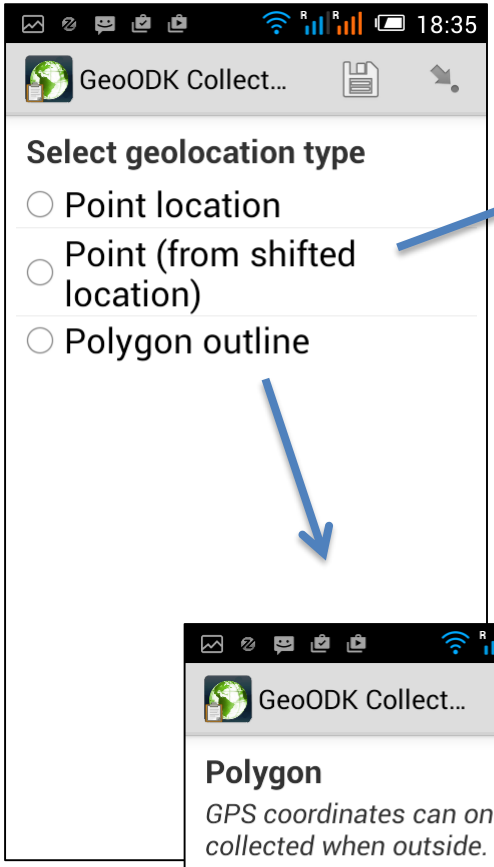


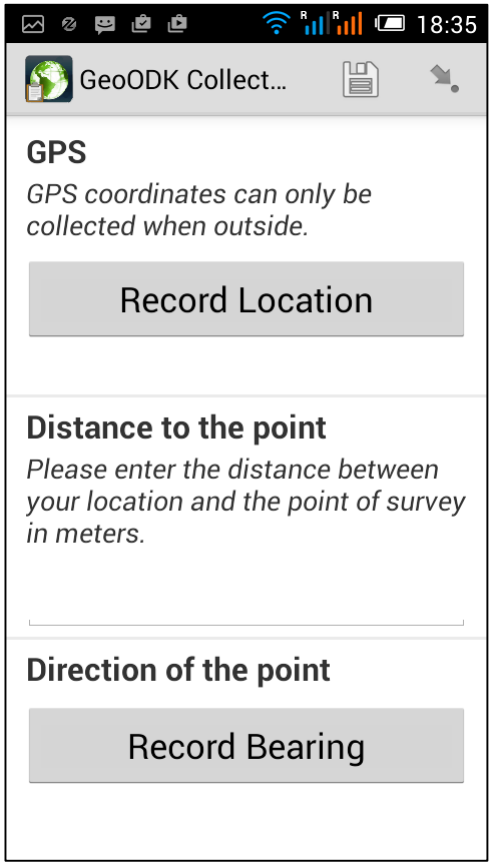


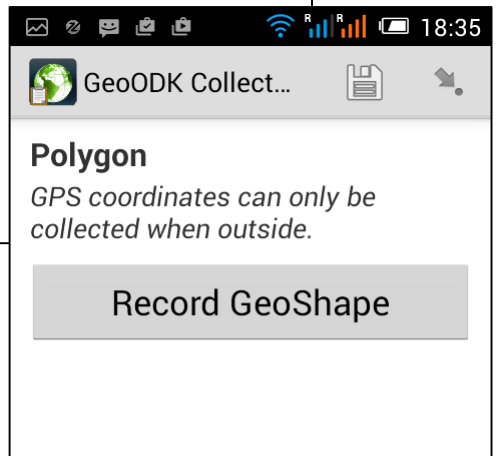


Take picture & Record geo-position









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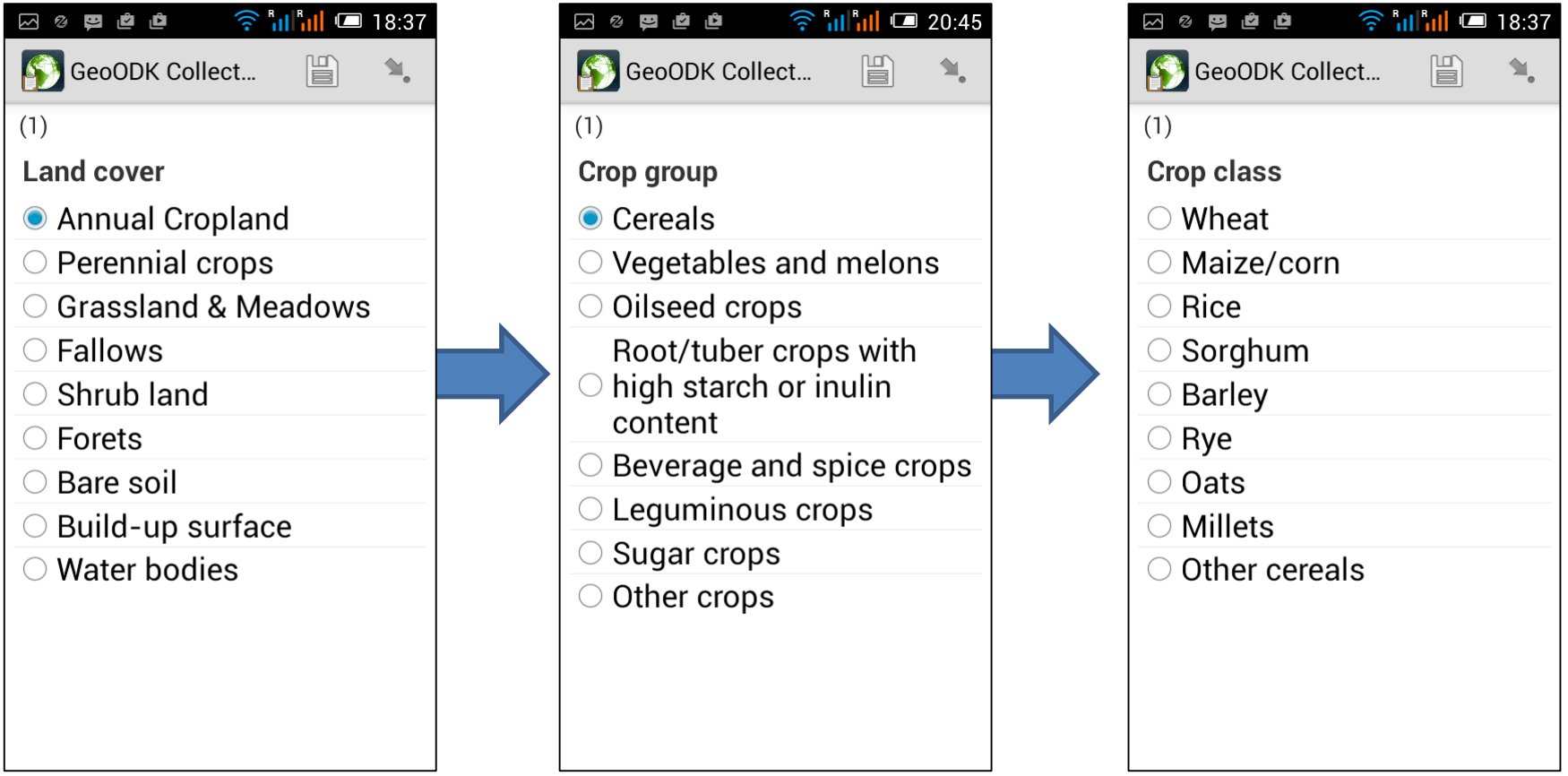
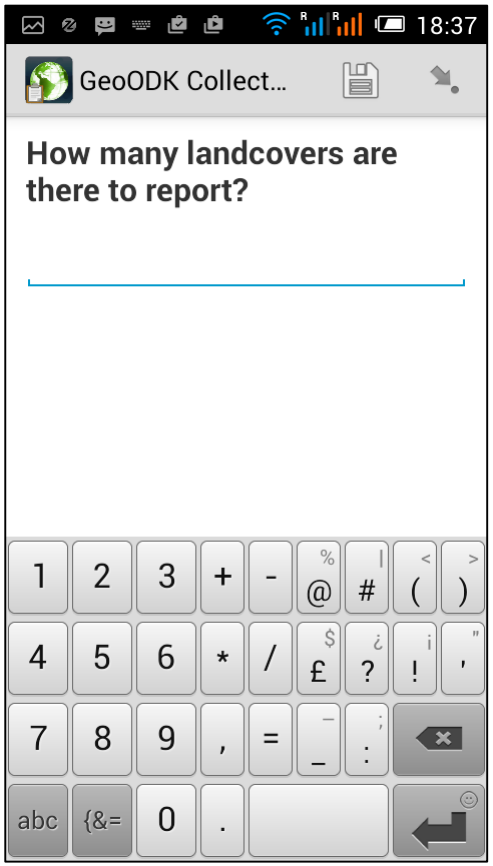
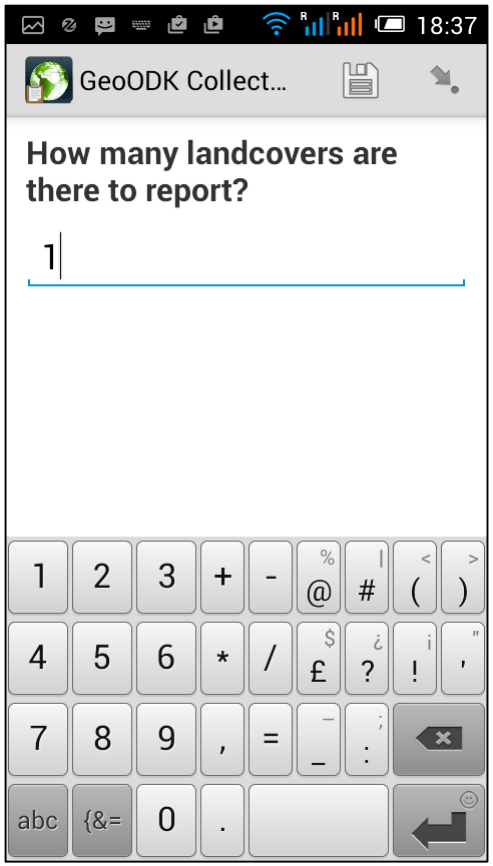
Record crop types or land cover classes

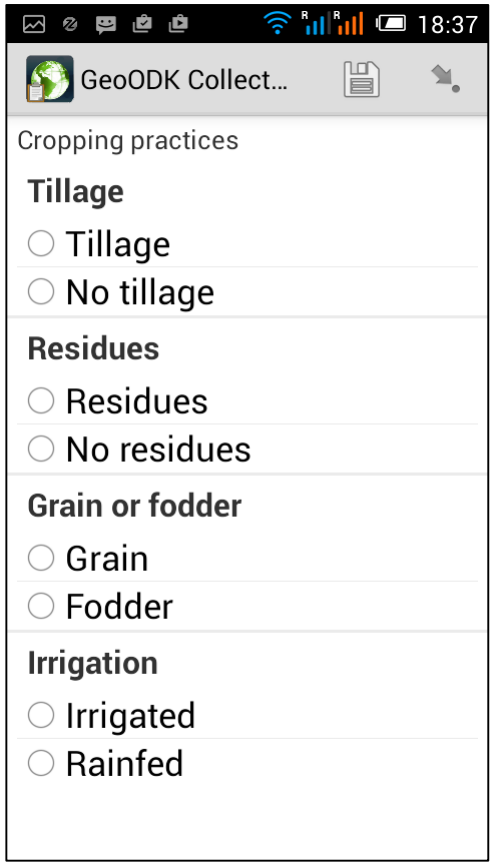


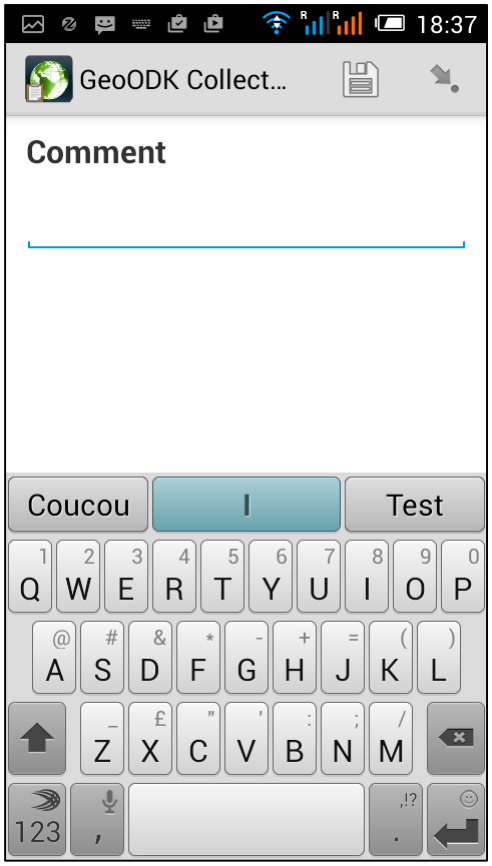
Record 1 or n crop type(s) for a single location



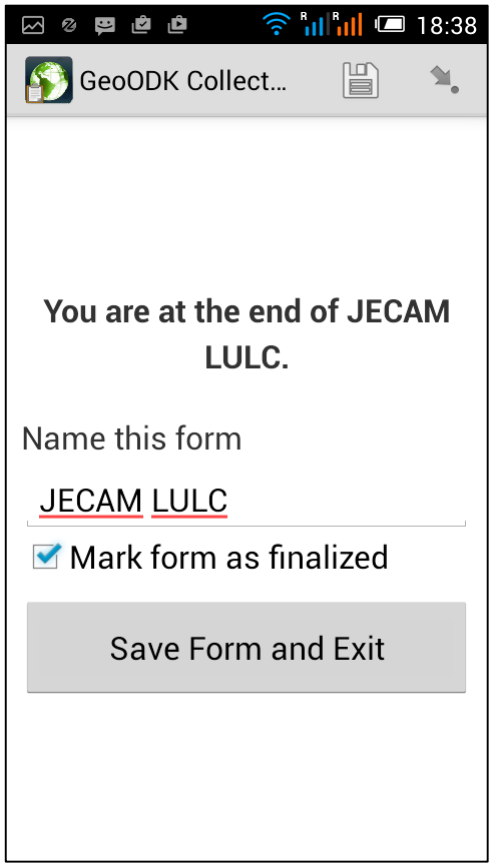


Possibility to record cropping practices info

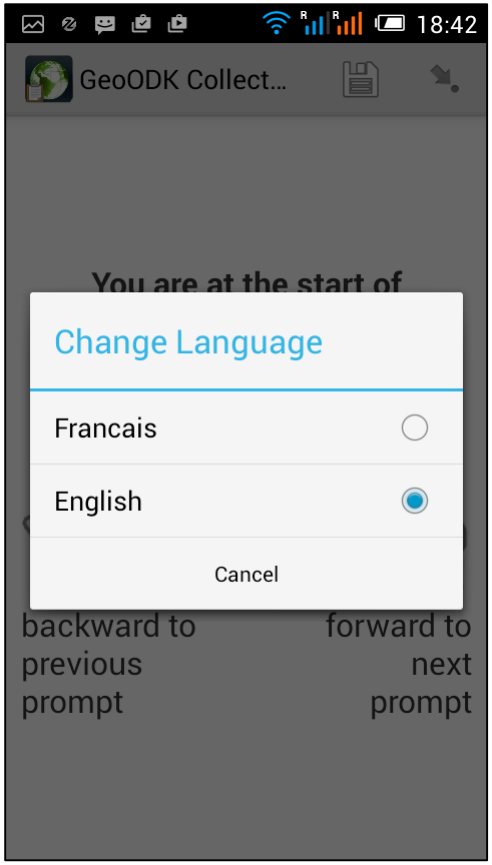




Save & synchronize your data

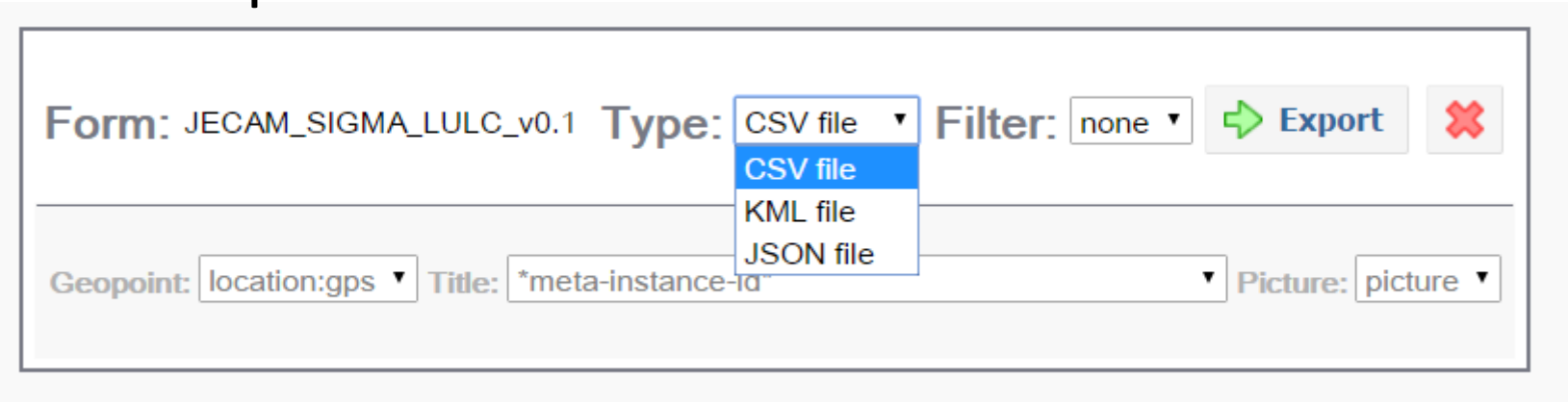


Multi language supported



Data storage

- Open access http://maps.elie.ucl.ac.be/jecam/odk
- Visualize & Export data



- Flexibility
  - Use the current form and server
  - Adapt the form & setup your own server
  - Further developments to be shared with JECAM partners

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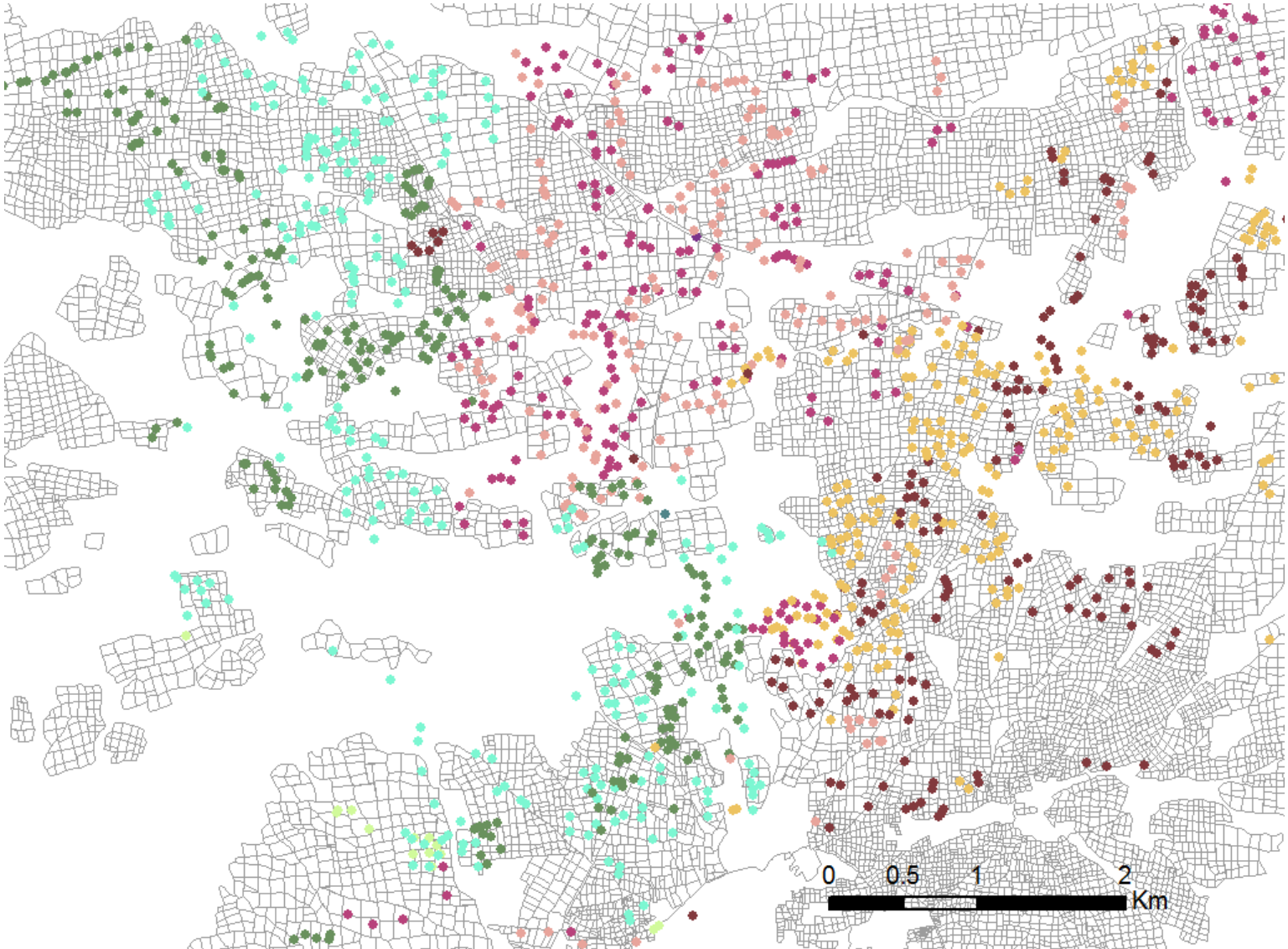
Thank you!