

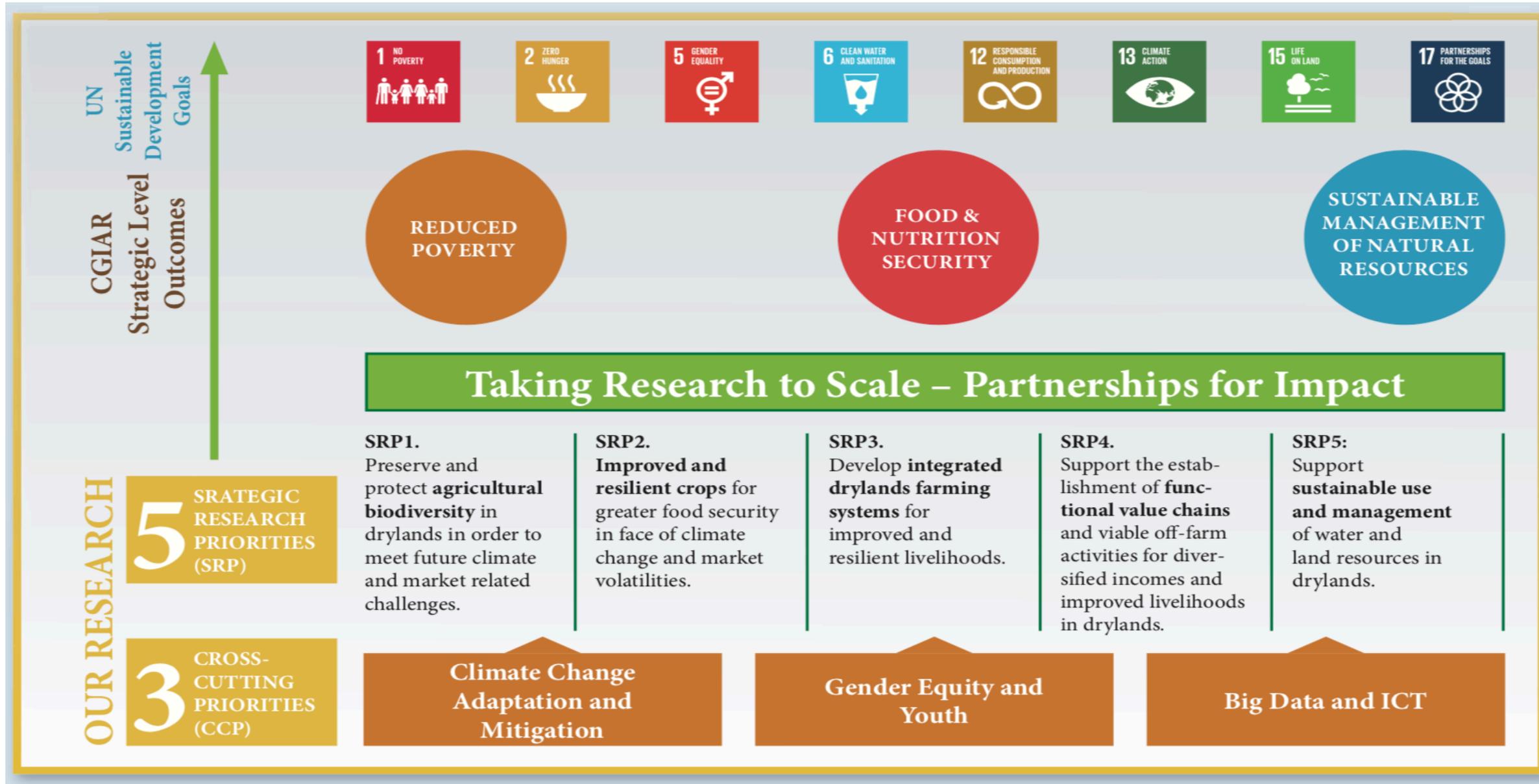
Use of AGROVOC @ ICARDA: First steps toward interoperability

19/04/2017 – Dataverse COP Meeting

Enrico Bonaiuti

Amman, Jordan (Webinar)

BigData: a Priority at Institutional Level



Monitoring, Evaluation and Learning (MEL)

MEL is an online platform for integrated management, monitoring, and reporting of projects, from planning to budgeting, risks assessment, knowledge sharing.



Areas of Work (2017-2018)

- 1. DV Installation & Handle (thanks to CIMMYT)**
- 2. Additional AGROVOC webservices implementation**
- 3. Use of AGROVOC for keywords intelligence & curation**
- 4. Dataverse API usage (thanks to CIP and Bioversity)**
- 5. API and old DOI/HANDLE records re-sync**

Dataverse V 4.7 + Usage of Handle



Dataverse Q [User Guide](#) [Support](#) [Sign Up](#) [Log In](#)

 Supported by:    Platform for Big Data in Agriculture

Powered by:  

[Main](#)

Metrics 0 Downloads [Contact](#) [Share](#)

The root dataverse.

Search this dataverse... Q Find [Advanced Search](#)

[Dataverses \(9\)](#)
 [Datasets \(0\)](#)
 [Files \(0\)](#)

Dataverse Category
[Research Group \(9\)](#)

Publication Date
[2018 \(9\)](#)

1 to 9 of 9 Results Sort

Big Data and ICT (International Center for Agricultural Research in the Dry Areas) Q
Feb 5, 2018
The advent of big data that incorporates geo-informatics, remote sensing and the large volumes of data being generated by technological advances in genomics will revolutionize the way we work in the future. The use of this information to increase research efficiencies and decisio...

Capacity Development (International Center for Agricultural Research in the Dry Areas) Q
Feb 5, 2018
Capacity development is core to ICARDA's mission and an essential element for the delivery of quality research and sustainable development impact. Over the coming decade we will build on our extensive network of long and enduring partnerships with universities and ARIs, which use...

Gender equality and youth (International Center for Agricultural Research in the Dry Areas) Q
Feb 5, 2018
As the role of women in dry area agriculture increases, and their workloads become heavier with the migration of men to urban areas and abroad, they face financial, cultural and legal constraints in accessing knowledge, innovation, finance, markets, institutions and resources, pa...

Use of AGROVOC as “Control List” Across Different Areas

Keyword(s) *

irrigated winter wheat wheat breeding yield



The list is provided by [AGROVOC Web Service](#). You can add new subjects by typing or copy & paste them from another source, if comma separated. All new, non-AGROVOC subjects are coloured in green: please ensure these are coherent with the knowledge reported.

SDG(s)



Keyword(s) *

irrigated winter wheat wheat breeding yield irrigated



Add irrigated...

irrigated area

Irrigated rice

irrigated land

irrigated wheat

irrigated maize

irrigated soils

irrigated system

Crop(s)

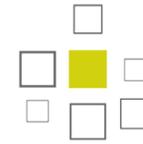
MELSpace*



Interoperability Network: Sustainability through Partners



HIGHCHARTS



DSPACE



ArcGIS®



United Nations
Statistics Division



MEL
monitoring
evaluation and
learning



ORCID

Connecting Research
and Researchers



A I M S



flickr

SHERPA
RoMEO

Keywords maintenance and intelligence

+ AGROVOC Export Subjects ↓

10 records Search:

ID	Keyword	Type	Language	Usage Count	Actions
39	climate change			335	
20466	news update			311	
22941	durum wheat			273	
33	capacity development			269	
22678	sunn pest			236	

1. Harvesting
2. Editing
3. AGROVOC Matching
4. Assigning
5. Splitting
6. Frequency and use analysis
7. Synchronizing
8. Depositing

Orange-fleshed sweetpotato Southeast Asia South Asia Diversity hotspots
 Potato genetic diversity Participatory mapping Vitamin A
 Phytophthora infestans Life-table parameters La Libertad
 65 occurrences (AGROVOC) Potatoes Pest risk assessment
 True seed Late Blight Potato Red listing
 Non-linear equation Longevity Reproduction Yield
 Temperature-Dependent Phenology Model Development time
 Genotype environment interaction Geographic information systems
 Heat tolerance

Network Analysis for Impacts

SDG(s)



Keyword(s) *

drylands soil wheat

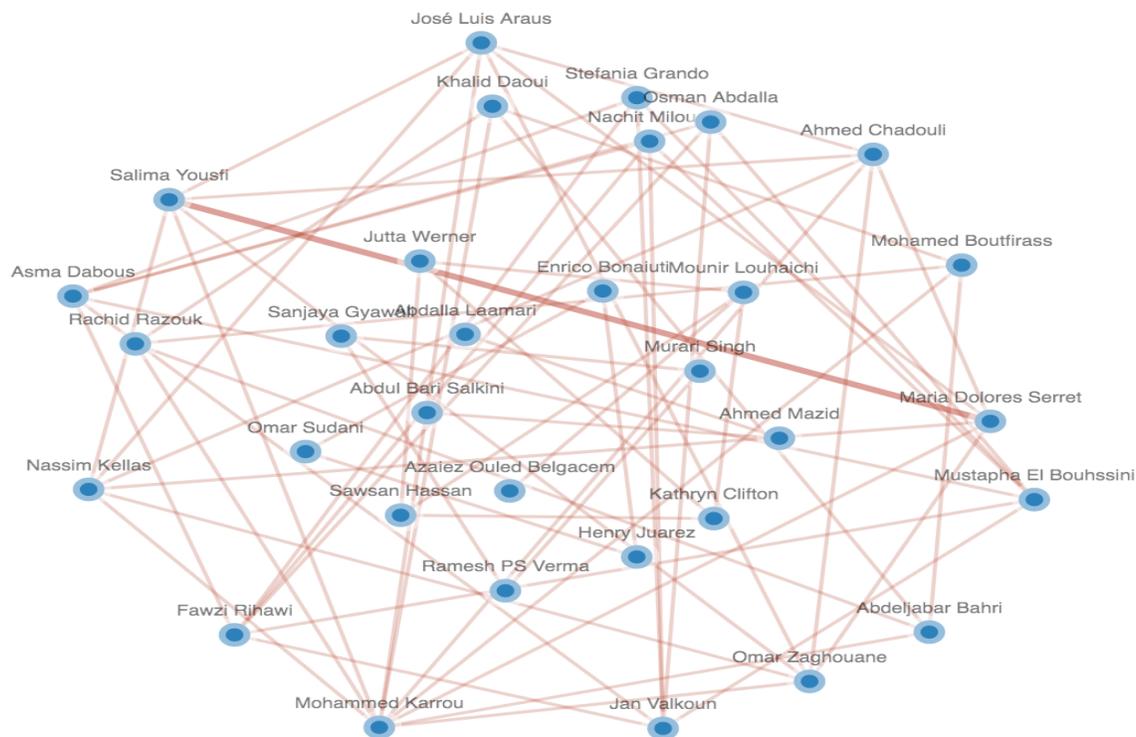


The list is provided by [AGROVOC Web Service](#). You can add new subjects by typing or copy & paste them from another source, if comma separated. All new, non-AGROVOC subjects are coloured in green: please ensure these are coherent with the knowledge reported.

Authors: 3172,3675

Number of publications for Salima Yousfi and Maria Dolores Serret together : 1

• <http://hdl.handle.net/20.500.11766/3565>



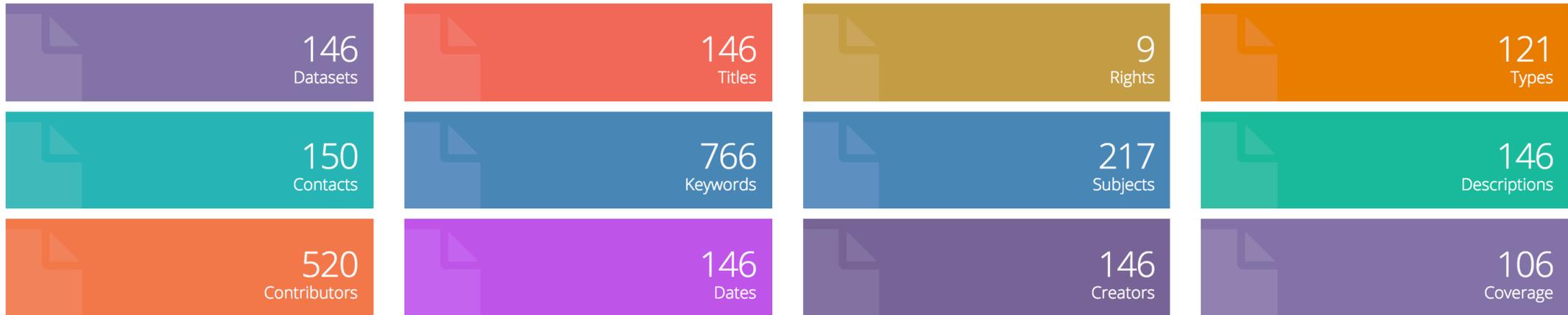
Dataverse API and Analysis

Repositories Analytics

▼ CIP

CIP

MEL



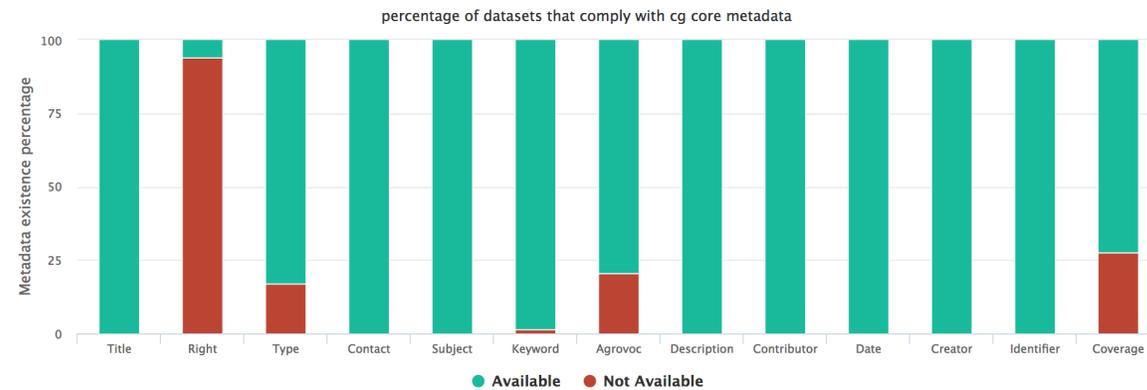
Filters

× All Metadata

× All Datasets

Get Charts

Graph



Highcharts.com

Analyze, Compare and Re-sync

Word Cloud

All Types

Specify Stop Words

× All Datasets

Get word cloud

Graph

Orange-fleshed sweetpotato Southeast Asia South Asia Diversity hotspots
Potato genetic diversity Participatory mapping Vitamin A
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Highcharts.com

Geo-Informatics Option by Context (GeOC)

LOGIN TO YOUR ACCOUNT

The Global Geo-informatics Context and Options (GeCO) is a new web-based GIS tool that enables its users to define, monitor, assess and co-create knowledge and learning on relevant Sustainable Land Management (SLM) options that match the social-ecological context at global, regional and national scales.

The GeOC tool aims to support the implementation of SLM practices by the local international communities by providing them with context-specific information that is required to make sound investment decisions for agricultural and rural development.

The GeOC is designed to provide land users, development projects or programs, and policy decision-makers with plausible, robust extrapolation domains for guiding decisions on the selection and use of SLM options, and an open platform for docking different disciplinary projects into integrative/holistic and converging actions for promoting SLM at scale.

GeOC is the result of the synergic efforts by CGIAR Research Program on Dryland Systems (CRP-DS), the International Center for Agricultural Research in the Dry Areas (ICARDA) and its Geoinformatics Unit (GU), and is powered by IMMAP, Codeobia, D-Space and Amazon Web Services.



e.bonaiuti@cgiar.org



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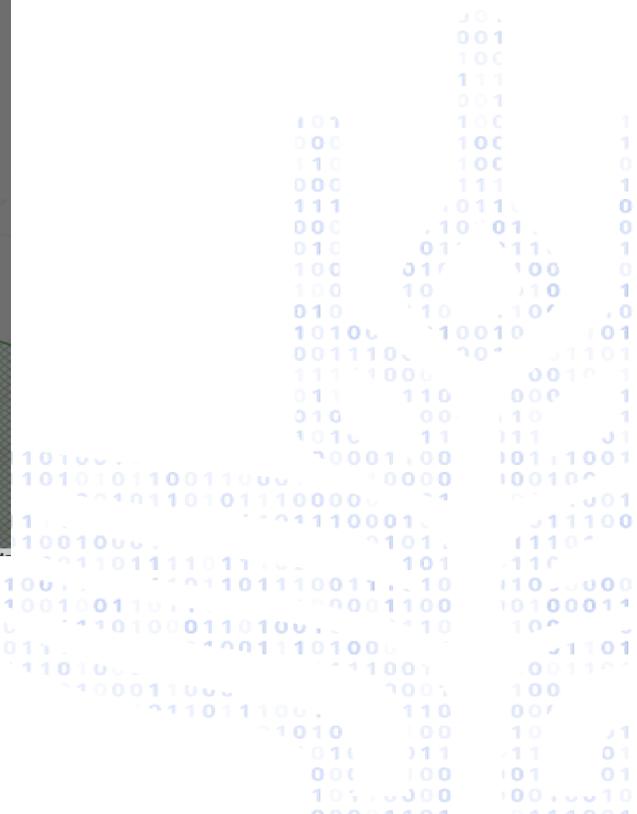
Geo-Informatics Option by Context (GeOC)

The screenshot displays the GeOC web application interface. On the left is a dark sidebar with the GeOC logo and the text "System-based Options by Context". Below this is the "Filter Options" section, which includes a "Region" dropdown set to "Africa", a "Sub-Region" dropdown set to "Eastern Africa", and a search box for countries. A list of countries is shown with checkboxes, where "Ethiopia" is selected. At the bottom of the sidebar are "Select all" and "Deselect all" buttons, and a "Theme" section with a search box and a dropdown menu currently showing "Outcome-Impact Databa...".

The main area is a map of Africa with various geographical features labeled, including "ATLAS MOUNTAINS", "LIBYAN DESERT", "SAHARA", "Red Sea", "Arabian Sea", and several major cities like Cairo, Addis Ababa, and Nairobi. The map is titled "Map" and includes navigation controls like zoom in (+), zoom out (-), and a full-screen icon. A tagline at the top right of the map area reads "A tool for better investment decisions in agriculture and rural development".



Geo-Informatics Option by Context (GeOC)



Open Data Kits (ODK)

