

The European Commission's science and knowledge service

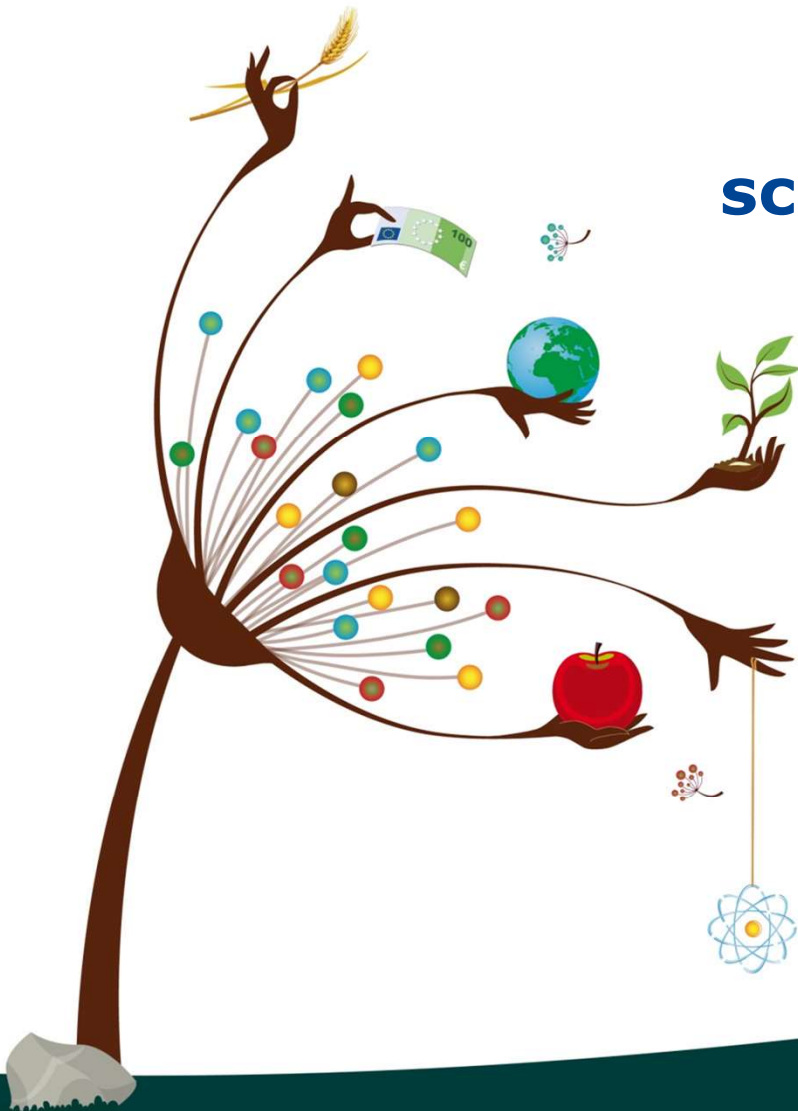
Joint Research Centre

Sharing datasets for Citizen Science: a JRC project

Lorenzino Vaccari
Sven Schade

Thanks to:

- Anders Friis-Christensen
- Andrea Perego
- Chrisa Tsinaraki
- Max Craglia



Why sharing scientific datasets

- Because of legal constraints
- Because of the transparency
- Because of science reproducibility
- Because of the economic growth
- ...
- Because of citizen science

Unless you're using
evidence-based
procedures, I can't hear a
word you're saying.

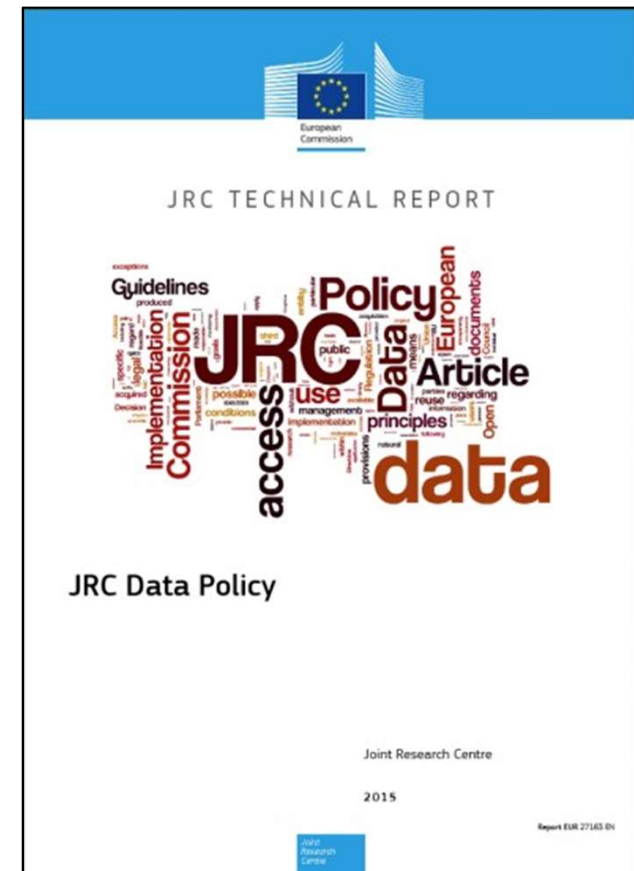


JRC Data Policy

Publication of data **is mandatory** for EC staff **according to the reuse decision (2011/833/EU)**

Areas addressed by the JRC Data Policy:

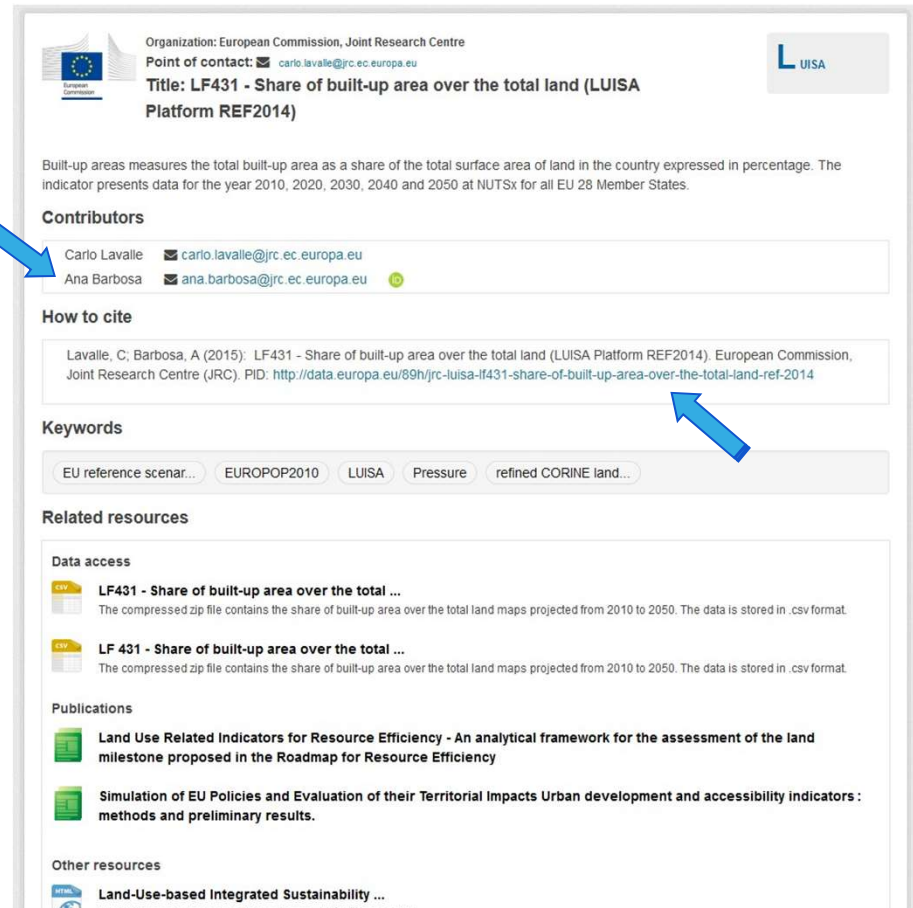
- **Open Data** principles
- **Data acquisition** principles
- **Data management** principles
- **Implementation principles**



JRC Data Catalogue

Mandated by the JRC data policy and released at January 2016. Features, among the others:

1. **Suggested citation** for datasets following DataCite recommendations
2. **Persistent identifiers** (URIs) of datasets
3. Metadata in JRC Data Catalogue automatically published on the **EU Open Data Portal** and harvested by other catalogues



Organization: European Commission, Joint Research Centre
Point of contact: ✉ carlo.lavalle@jrc.ec.europa.eu
Title: LF431 - Share of built-up area over the total land (LUISA Platform REF2014)
Built-up areas measures the total built-up area as a share of the total surface area of land in the country expressed in percentage. The indicator presents data for the year 2010, 2020, 2030, 2040 and 2050 at NUTSx for all EU 28 Member States.

Contributors

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How to cite

Lavalle, C, Barbosa, A (2015): LF431 - Share of built-up area over the total land (LUISA Platform REF2014). European Commission, Joint Research Centre (JRC). PID: <http://data.europa.eu/89n/jrc-luisa-lf431-share-of-built-up-area-over-the-total-land-ref-2014>

Keywords

EU reference scenar... EUROPOP2010 LUISA Pressure refined CORINE land...

Related resources

Data access

LF431 - Share of built-up area over the total ...
The compressed zip file contains the share of built-up area over the total land maps projected from 2010 to 2050. The data is stored in .csv format.

LF 431 - Share of built-up area over the total ...
The compressed zip file contains the share of built-up area over the total land maps projected from 2010 to 2050. The data is stored in .csv format.

Publications

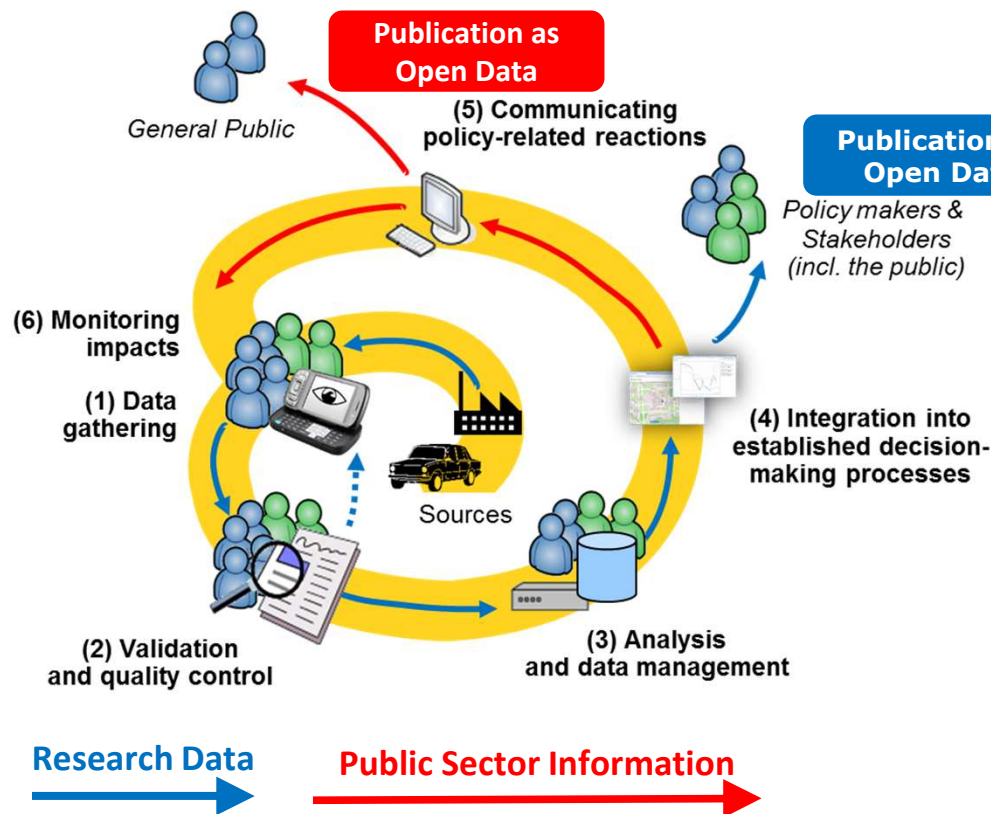
Land Use Related Indicators for Resource Efficiency - An analytical framework for the assessment of the land milestone proposed in the Roadmap for Resource Efficiency

Simulation of EU Policies and Evaluation of their Territorial Impacts Urban development and accessibility indicators: methods and preliminary results.

Other resources

Land-Use-based Integrated Sustainability ...
LUISA website (European Commission - ITC Science Hub)

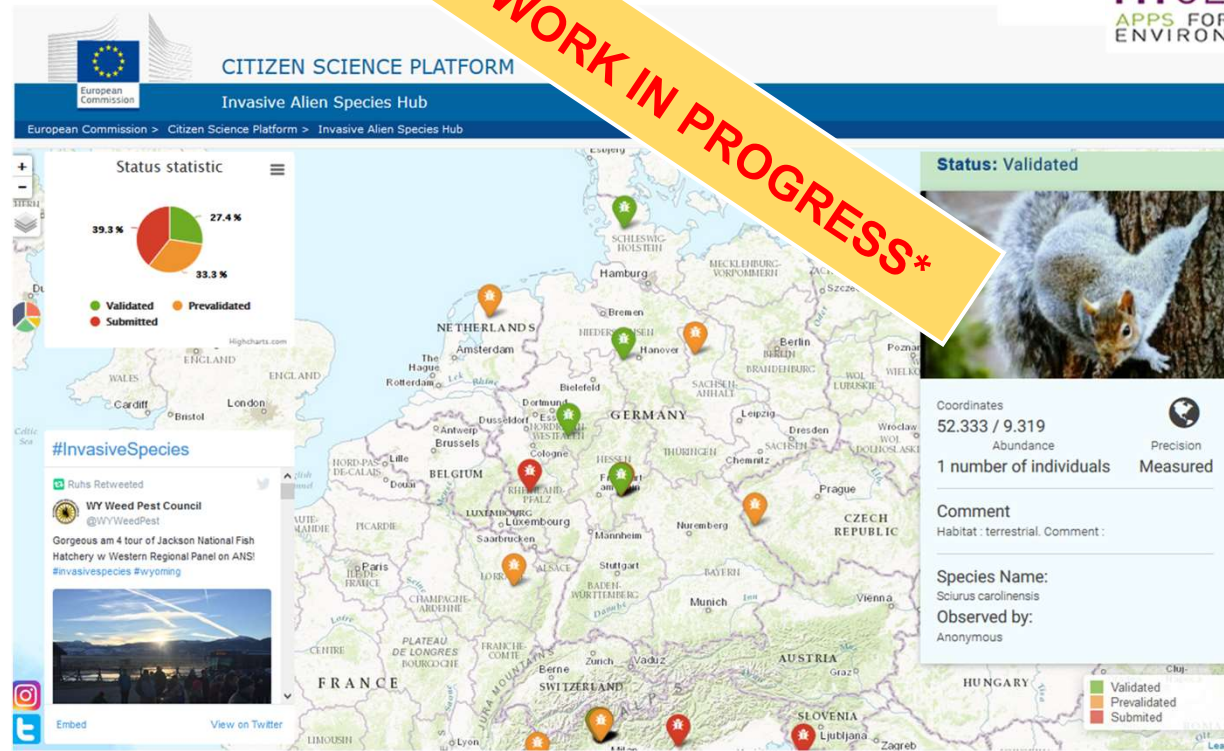
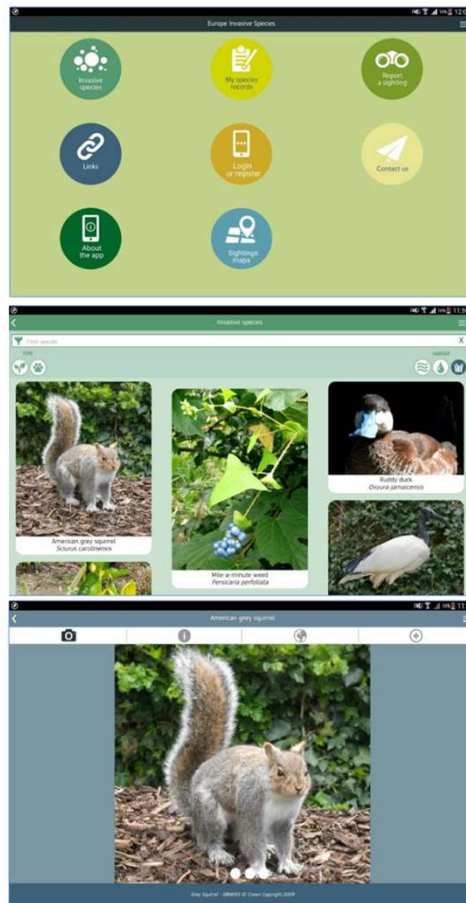
Citizen Science for policy VISION – a cyclic value chain(closing the loop)*



Expected benefits for policy:

- More efficient monitoring (cost reduction for MS)
- Anticipating policy needs
- Implementation, e.g. governmental and societal changes
- Practicing and promoting Open Science
- Innovating eGovernment
- ...

Citizen Science for policy – a JRC example



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*<http://digitalearthlab.jrc.ec.europa.eu/mygeoss/>

CHALLENGE

It is not only about technology, but:

- **Culture of scientific data sharing:** implementation and cultural change go slow
- **Training people to use the app** to create sensible data (e.g. uploading pictures that allow QA/QC)
- **Mobilizing people to use the app** (e.g. volunteered monitoring of local environment, as part of job)
- **Validation of inputs received** (e.g. by the community, by trained scientists/experts)

Open data (of gathered inputs, but also source code and processed information) is a key factor!

