

IJSDIR "Geospatial Data Set Descriptions" - discussion of possibilities

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Institute for Environment and Sustainability
Digital Earth and Reference Data Unit

www.jrc.ec.europa.eu

*Serving society
Stimulating innovation
Supporting legislation*



...but first a bit about JRC and our work.

Organisational Background

www.jrc.ec.europa.eu

Serving society
Stimulating innovation
Supporting legislation



Joint
Research
Centre



[Dusan Petricic]

Organisational Background - Digital Earth and Reference Data unit

- INSPIRE: Implementation, Maintenance and Evolution
- Open Data Policy of the JRC
- **The use of new data sources for policy making**



Joint
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[Dusan Petricic]

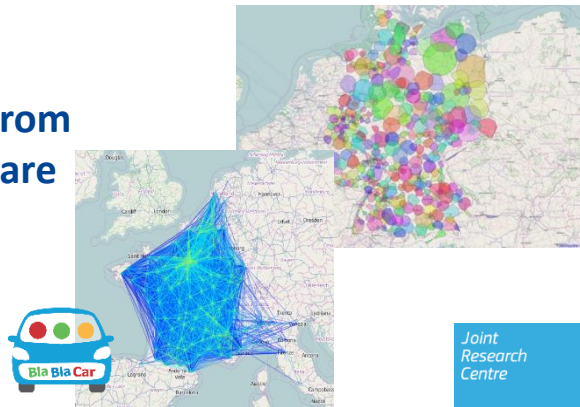
Investigating the (changing) data ecosystem

- Investigate legal, organizational and technical barriers in using “Big Data” to **enhance the relation between society and scientific research**.
- Examine the **combined re-use of commercial data**, citizen-generated content and public sector information across cultural borders, based on practical tests and grounded by theoretical perspectives.
- Contributes to **capacity building** (e-infrastructure and skills) and **inform policies** to enable a vibrant knowledge-based society in Europe.



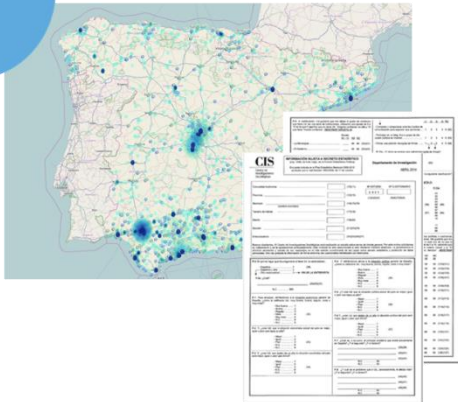
Include Big Data in scientific-support to policy-making

Development of new indicators on mobility from mobile phone data or care sharing platforms

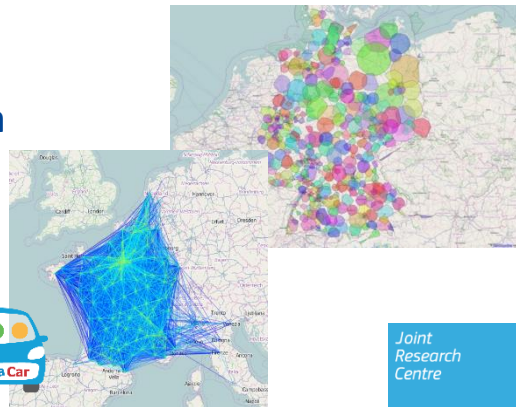


Include Big Data in scientific-support to policy-making

Use of citizen-generated content to develop new indicators of quality of life in urban areas

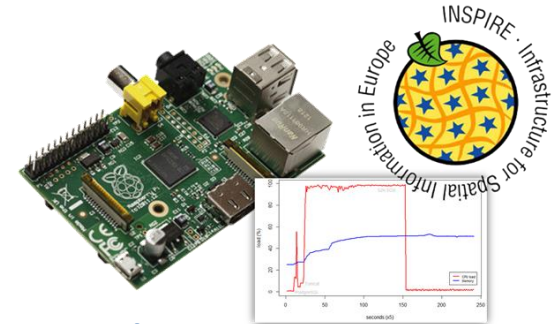
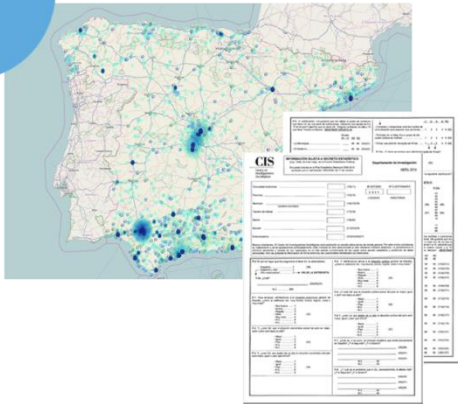


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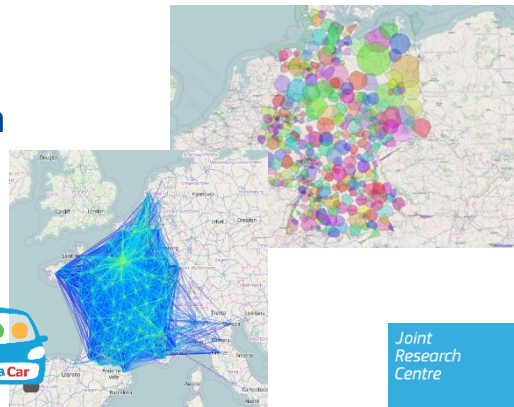
Include Big Data in scientific-support to policy-making

Use of citizen-generated content to develop new indicators of quality of life in urban areas



Use of low-cost sensors to complement official environmental measurement networks

Development of new indicators on mobility from mobile phone data or care sharing platforms



IJSDIR: International Journal of Spatial Data Infrastructures Research

International Journal of Spatial Data Infrastructures Research

- Open journal with 11 years tradition
- Published by the Publication Office of the European Union
- Editorial office run on in-kind contributions

- Papers pre-published once entering review process
- Papers moved to according sections once accepted
- Archived otherwise

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Providing our viewpoint

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Geospatial Dataset Descriptions

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Bruno Combal, Albert Fischer

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[An improved parcel-based approach to Bruneian Geocoded Address Database](#)

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Traditional SDI research

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The new section (and first example):

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Bruno Combal, Albert Fischer

What?

Geospatial Data Set Descriptions: Short papers comprising of a **direct reference and concise description of a geospatial dataset**, especially providing the community **with information beyond the common SDI metadata** for discovery. Key characteristics of the dataset (e.g. **intended purpose, known applications, or data acquisition/generation workflow**) should be included as a guide to its usage for various (possibly unforeseen) purposes.

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Why?

- “[...] a guide to its usage for various (possibly unforeseen) purposes”
- Experts working on data sets often do not publish scientific articles (missed out in scientific reputation, missing dissemination opportunities, missing feedback on their data set and approach to create it...)
- Open Science is promoted as a good practice, but, for example, Open Data is more than providing public access (need to understand required descriptions, quality assurance criteria, review processes...)

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[Your Geospatial Data Set Description here!](#)

Your name here!

[PDF](#)

What's next?

- Further promotion of IJSDIR as such
- Increasing the submission of “Geospatial Data Set Descriptions”
- Getting editorial support to the section: “Geospatial Data Set Descriptions”
- Helping more people that create wonderful data sets to disseminate them and get more widely recognized
- Building a list of benchmark data sets, reference data for hackathons...

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Thank you!
Sven Schade (twitter: @innovatearth)

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