

# SDI Research and Strategies towards 2030

## Discussions

**AGILE 2018 Pre-conference workshop**  
*12 June, Lund (Sweden)*



AALBORG UNIVERSITY

KU LEUVEN



# Session - Discussion & next steps

**Scope: development and implementation of a renewed Spatial Data Infrastructure Research Agenda ('SDI2030')**

- 1. Development:** identification of research topics in order to stimulate relevant and promising SDI research
  - *Scope? Which topics? Structured framework? Link with other domains/disciplines? Building further on past and ongoing research?*
- 2. Implementation:** foster collaboration and exchange and increase the connectedness between SDI researchers
  - *Do we need this? How to do this? Next steps (short and long term)? How to structure, coordinate and sustain this?*

# Breakout group discussions

## About?

1. **Scope and content of SDI research agenda: 5 key topics + possible structure/framework**
2. **Future collaboration and exchange: 3 key actions (and how to implement them)**

## How?

- **3 smaller groups:** Governance for innovation and sustainability (*Bastiaan*); Integration, visualization and exploration (*Lars*); SDI and open data (*Ali*)
- **30' to discuss and 5' to present outcomes**

# Group 1 – research topics

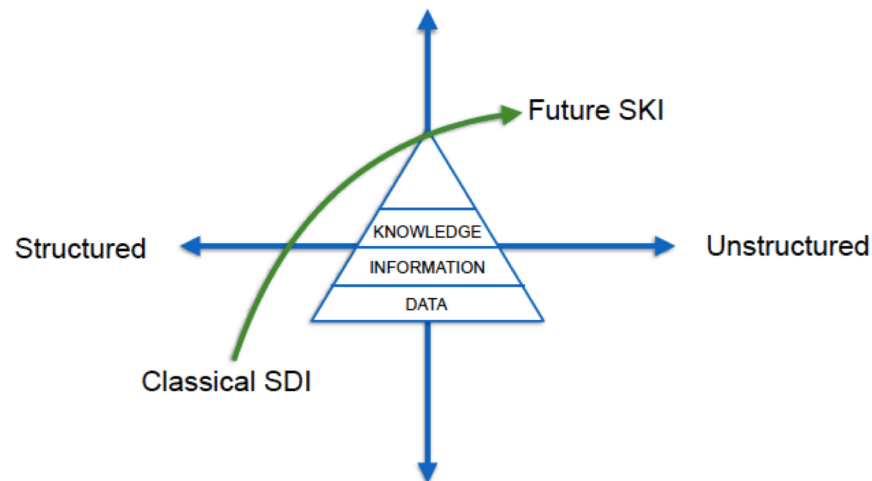
1. What does a Spatial Data Ecosystem look like?
2. Research, engage and empower the user
3. How to turn the INSPIRE/ Open data stick into an SDI carrot
4. Connecting worlds: open SDI; domains; disciplines
5. Develop instruments for measuring SDI impact and performing the assessment?!
6. How to put SDI on the political agenda provided the socio-economic context (including developing countries)?

# Group 1 – actions

1. Draft a global SDI research agenda and connect it explicitly to the SDG
2. Start an innovation/living lab (bottom up)
3. Organise informal but in-depth workshops (at least twice a year, at a cloudy place, good dinner)
4. Simple interactive platform to share knowledge
5. Engage (SDI?) researchers from other sectors

# Group 2 – research topics

- General proposal: Spatial Knowledge Infrastructure in stead of Spatial Data Infrastructure
- Topics:
  - New domains
  - New models
  - integration of concepts from different domains



# Group 2 - actions

1. IJSDIR - Create a platform for discussion on new ideas
2. Visionary video
3. Workshop where we focus on a specific domain - example BIM

## Group 3 – research topics

1. Scenario-based projects in which data/information needs are beyond the base structured data in SDI. E.g. SDG, REDD
2. SDI and IoT intersection points must be identified e.g. with applications in smart cities
3. How to automate the incorporation of unstructured data into application through data mining, knowledge discovery.
4. Research on feeding un(semi) structured Open Data in Semantic web services composition
5. Streamlining NSDI curricula within the context of current research agenda.



# Group 3 - actions

1. Apply for research fund
2. Apply for capacity building projects for Exchange of good practices and experiences
3. In-depth Conferences and workshops

# Workshop webpage



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### RECENT NEWS

*SDI2030 workshop: final program and presentations* June 7, 2018  
*'SDI Research and Strategies towards 2030': Extended deadline* April 2, 2018  
*Beyond Data Event Round table session The Impact of Open Geo Data on municipalities: and how about the governance?* March 30, 2018  
*Open data day Croatia* March 1, 2018  
*IJSDIR article on Assessing the Openness of SDIs* March 1, 2018

### AGILE 2018 Workshop 'SDI Research and Strategies towards 2030'

#### *Aim and objectives*

The aim of the 'SDI Research and Strategies towards 2030' Workshop is to initiate the definition of a renewed Spatial Data Infrastructure Research Agenda for 'SDI Research and Strategies towards 2030', incorporating both technical and non-technical perspectives and research challenges. The workshop will take place on Tuesday 12 June 2018, in Lund (Sweden).

The workshop has three objectives:

1. To provide an overview of recent and ongoing research on SDI and related topics
2. To identify gaps and challenges in SDI research and define a research agenda for future SDI research
3. To (re-)establish a research community for SDI research that promotes and enables active collaboration and engagement across multiple disciplines and regions

*Program, presentations, workshop report, etc.*

<http://kcopendata.eu/sdi2030>