Introducing the Service Map for Europe

Sampo Savolainen / May 27th 2015 / INSPIRE Conference

The vision of INSPIRE and sharing data

- Increase the impact of GIS

- Build applications leveraging that data - across borders

- New efficiencies

- Innovation

⇒ **Researchers, agencies, companies, citizens using the data**

Spatineo

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Can users rely on the spatial web services our community provides?

Service availability is vital for SDI

- Multiple factors to consider when evaluating quality of spatial data

- For Spatial web services, <u>availability is key</u>
  - If a service is unavailable, no other measures apply
  - Availability is objective
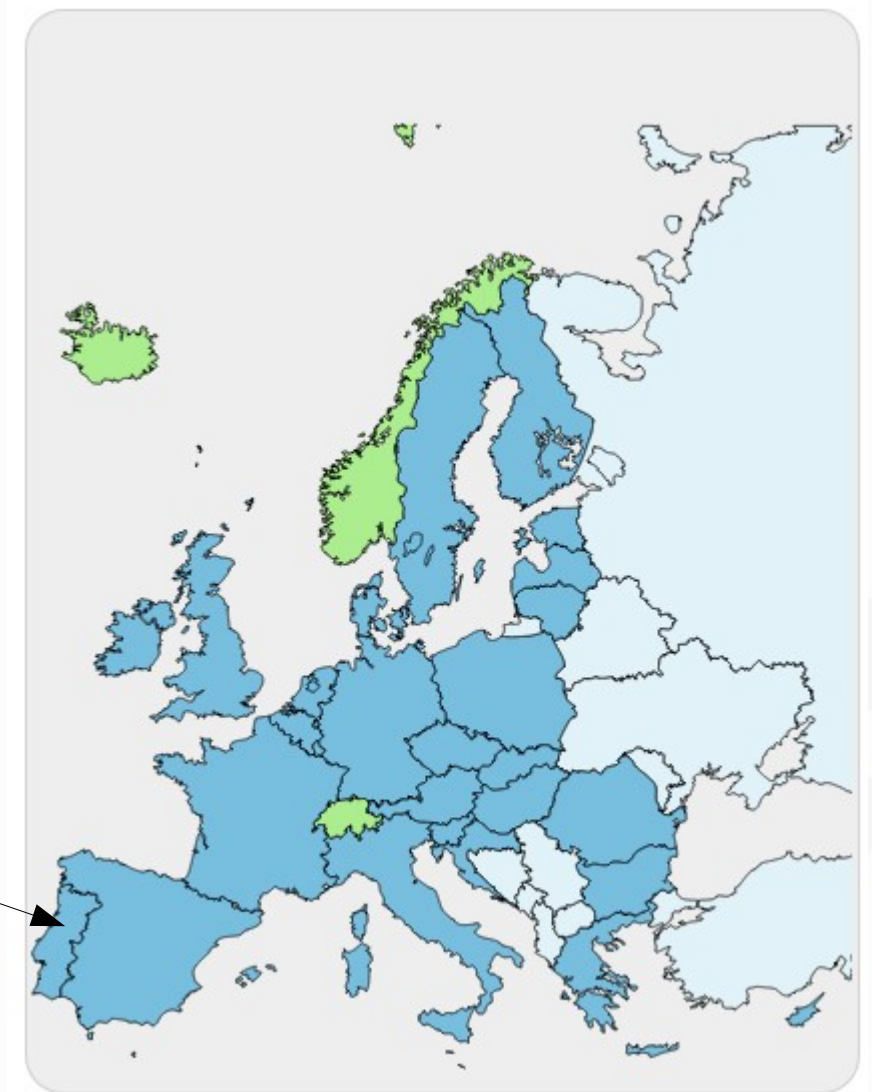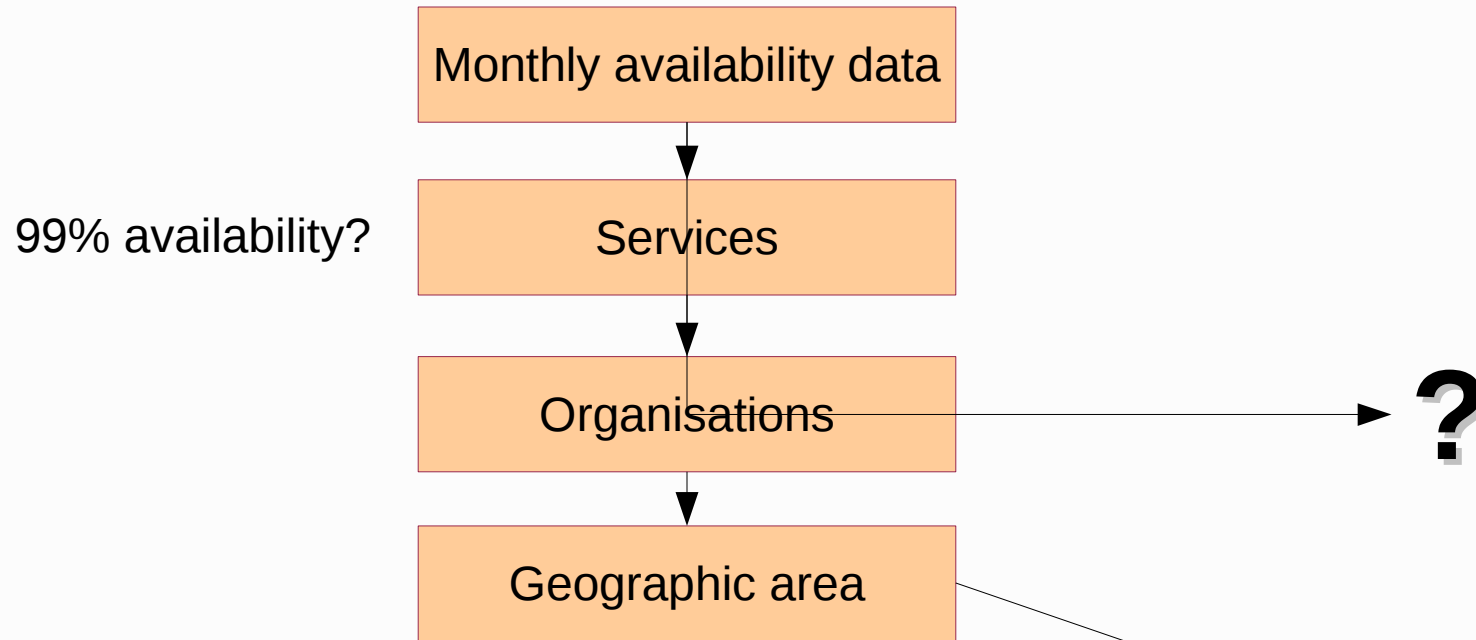 - Comparable across data and service types

Collecting data on availability

- Spatineo monitors nearly 30,000 spatial web services (WMS, WFS, WMTS, ArcGIS)

- Each service is tested every 5 minutes

- Spatineo Monitor provides our customers with insight into their services

Collecting data on availability

- Spatineo is the only organisation with this kind of data
  - We're independent
  - The data is excellent (patent pending)
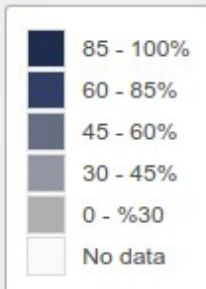- We're now giving away some of this insight for the greater good!

Organising the data

Monthly availability data
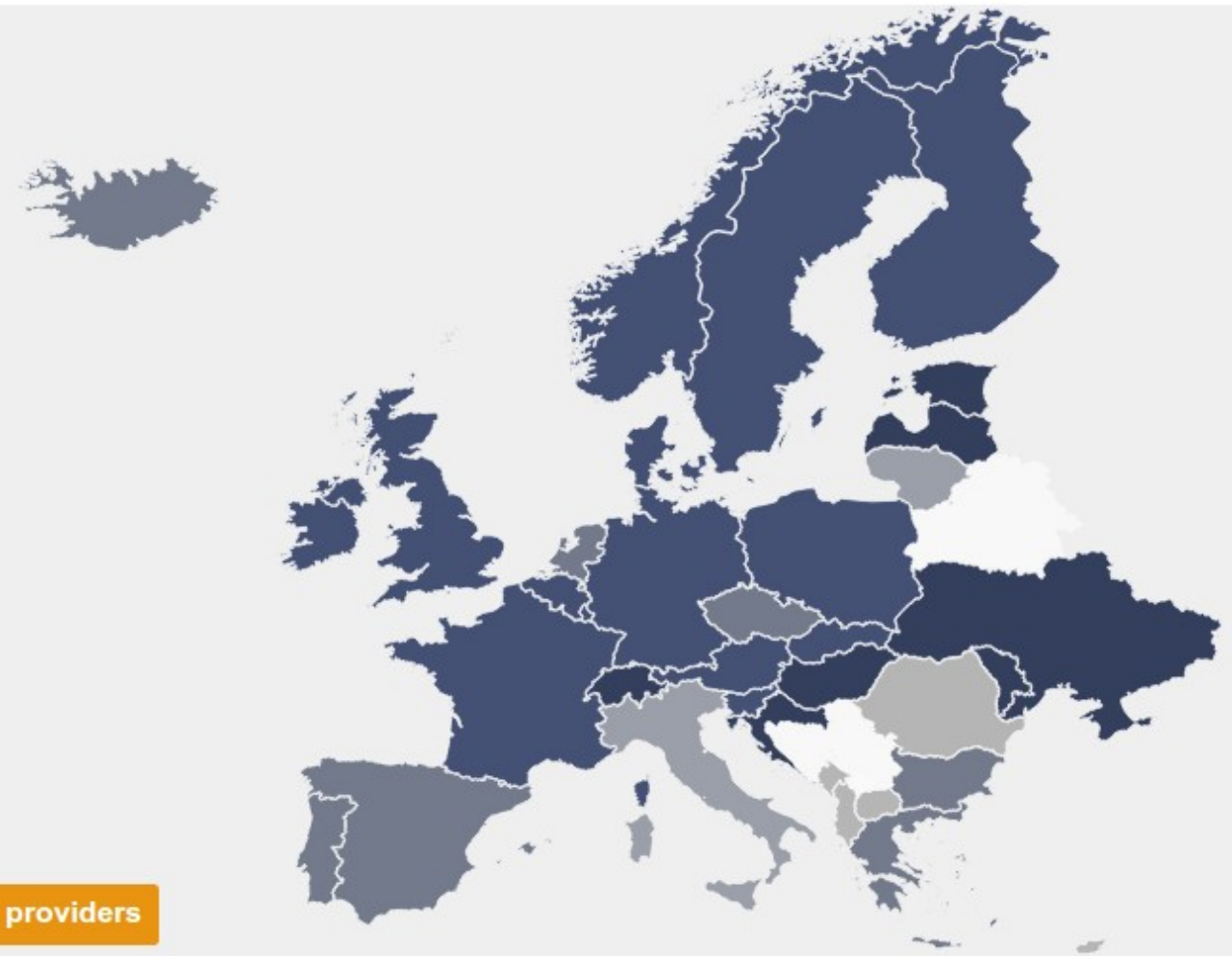
99% availability?

Services

Organisations — **?**

Geographic area

- The map is based on the <u>sphere of influence</u> of the data provider organisation

- All WMS, WFS, WMTS and ArcGIS MapServers
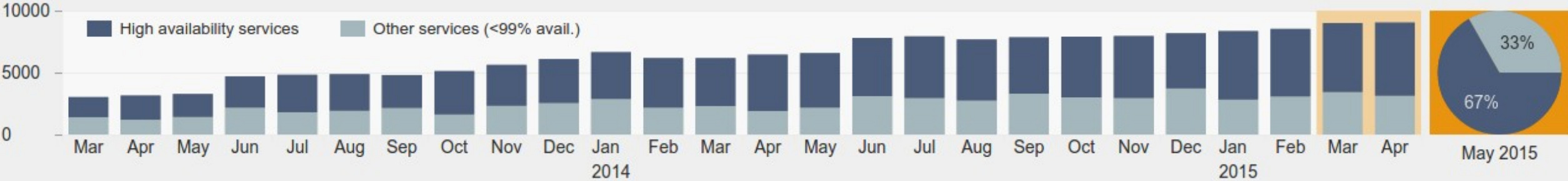
… introducing the Service Map

Europe May 2015

Legend:
- 85 - 100%
- 60 - 85%
- 45 - 60%
- 30 - 45%
- 0 - %30
- No data

2 Europe-wide data providers

Highlighted providers

Provider	Count
Gobierno de La Rioja — La Rioja, Spain	352 of 352
Regierungspräsidium Freiburg ⬈ — Baden-Württemberg, Germany	69 of 69
Amt Unterspreewald ⬈ — Unterspreewald, Germany	61 of 61
Amt Unterspreewald ⬈ — Unterspreewald, Germany	59 of 59
VÝZKUMNÝ ÚSTAV VODOHOSPODÁŘSKÝ T. G. MASARYKA ⬈ — Czech Republic	58 of 58
Tilastokeskus ⬈ — Finland	54 of 54
Lounais-Suomen alueellinen paikkatietokeskus ⬈ — Finland	53 of 53
Landesportal Brandenburg ⬈ — Brandenburg, Germany	53 of 53

History browser

Legend: High availability services / Other services (<99% avail.)

Months: Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec, Jan 2014, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec, Jan 2015, Feb, Mar, Apr, May 2015

Pie chart May 2015: 67% / 33%

The service map

- Free to use

- Works on desktops, tablets, phones, TVs ...

- Updated every day

  - Data is updated retroactively when new organisations are added

  - Big organisations done: trends are accurate

- Please give feedback!

Analysis

- Can users rely on the spatial web services?

    - To a large part **yes**: two thirds of the services are available 99% of the time

    - But that's still missing one third

    - As Stefan Jensen (EEA) said yesterday in his presentation regarding the state of INSPIRE implementation: "Most member states need to intensify their efforts"

Thanks!

http://servicemap.spatineo.com