Interdisciplinary usage of INSPIRE

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“short legs – short ways”
an accessibility analysis
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“short legs – short ways”
an accessibility analysis

Any difficulties in particular?

Source: LGL 2017

Data quality - an underestimated factor
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Data quality - an underestimated factor

 Workflow

- Geocoding service
  - Quality check
  - Geocoding API
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Workflow

❖ Geocoding service
  ❖ Quality check
  ❖ Geocoding API

❖ Routing service
  ❖ Routing API
  
  https://graphhopper.com/api/point=48.5708%2C7.81076&vehicle=foot&time_limit=1200&buckets=4

Source: LGL 2017

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Workflow

❖ Spatial base data service
  ❖ WFS
  ❖ Residential areas
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Workflow

- Spatial base data service
- WFS
- Residential areas
- Data enrichment

Results

Accessibility of primary schools on foot in Stuttgart
Results

Accessibility of primary schools on foot in Stuttgart

Accessibility of grammar schools by bicycle

INSPIRE

“With a view to stimulating the development of added-value services by third parties, for the benefit of both public authorities and the public, it is necessary to facilitate access to spatial data that extend over administrative or national borders.”

(Directive 2007/2/EC (26))

“[…]facilitate public access to spatial information across Europe”

Where can I buy groceries?

What about climate, noise …?

Is there a school nearby?

What is the **shortest route** to …

…the railway station?

… the hospital?

…?

And on weekends?

Are there any cafes, bars, restaurants?

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**About Spot-BW**
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How does it work?

- Different data sources
- Added-value through data enrichment
- Access via standardised services
- User-friendly access to the spatial infrastructure

Conclusion
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Conclusion

- Different data sources
- Added-value through data enrichment
- Access via standardised services
- User-friendly access to the spatial infrastructure

Applying INSPIRE is about providing the link between spatial data so they can be put to practical use.

Thank you for your attention!
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Geoinformation und Landentwicklung