

# Visualization Tools for the CHANGES SDSS: Status of Work

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# Workflow



Visualization:

Methods to explore and depict data through their graphical representation.

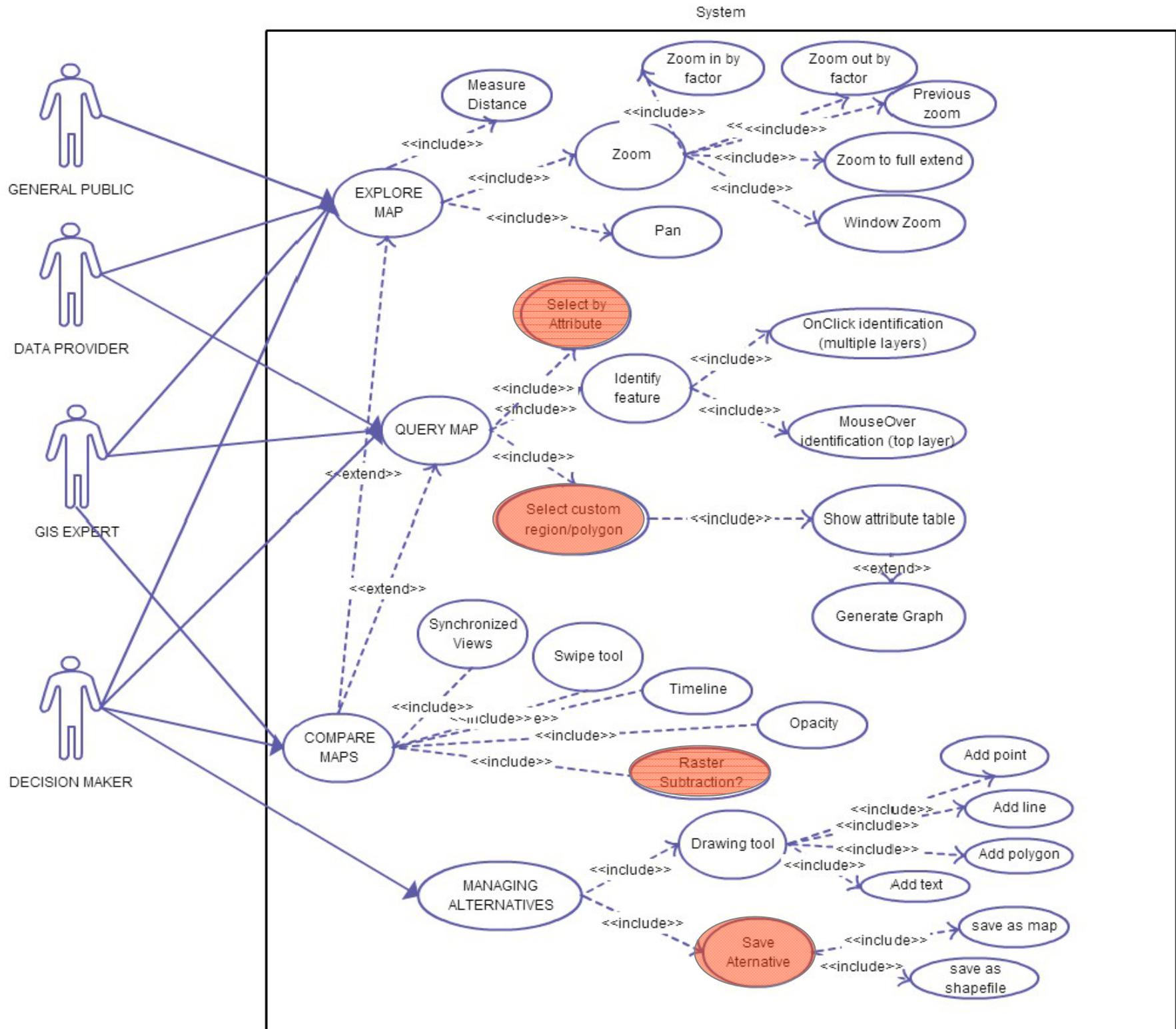
# Methodology

- User Requirements (expert knowledge)
- Use Cases (user stories)
- Technological Needs
- Implementation
- Testing/ optimization

# Users

<b>Actor</b>	<b>Role</b>
General Public	Explore Maps
Data Provider	Explore Maps, Manage data
GIS Expert	Explore/compare/analyze maps and data
Decision Makers	Explore/compare maps, query data, manage alternatives

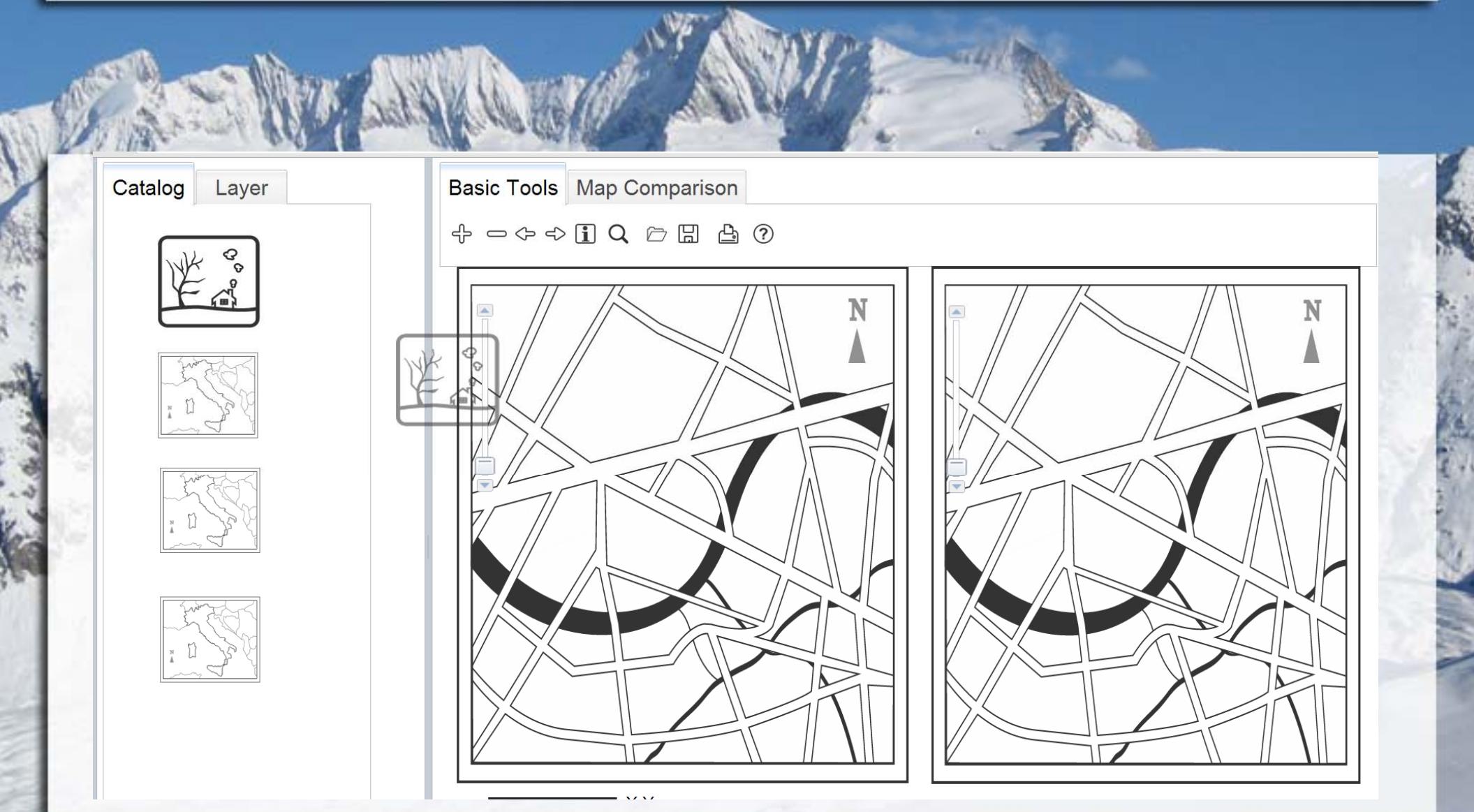
# Use Cases



# Technological tools

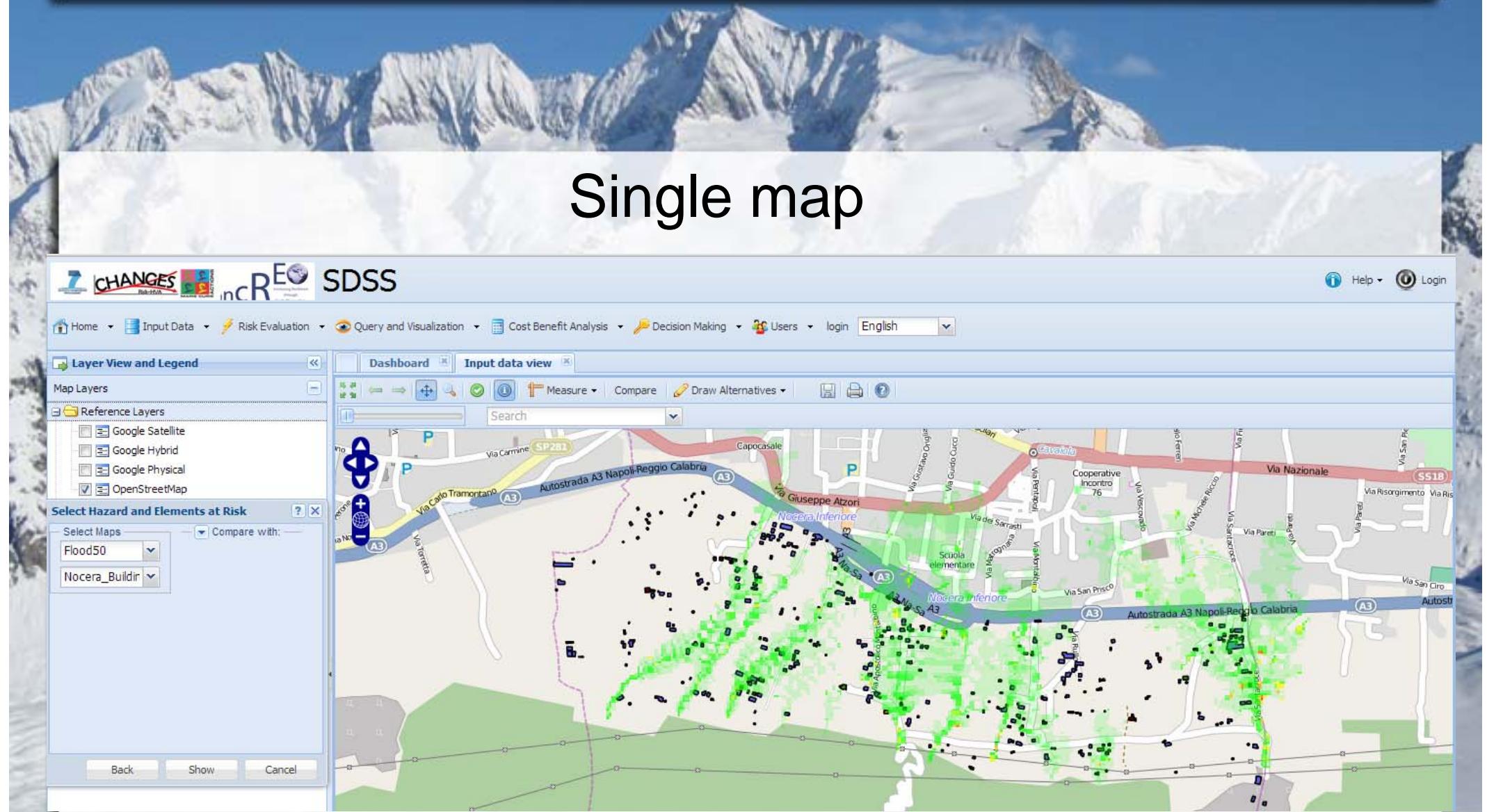
- Maps: GeoExt + OpenLayers
- Styling: SLD
- User Interface: ExtJS
- Database: PostgreSQL
- Map server: GeoServer
- Additional scripts: Python/PHP

# Designing phase



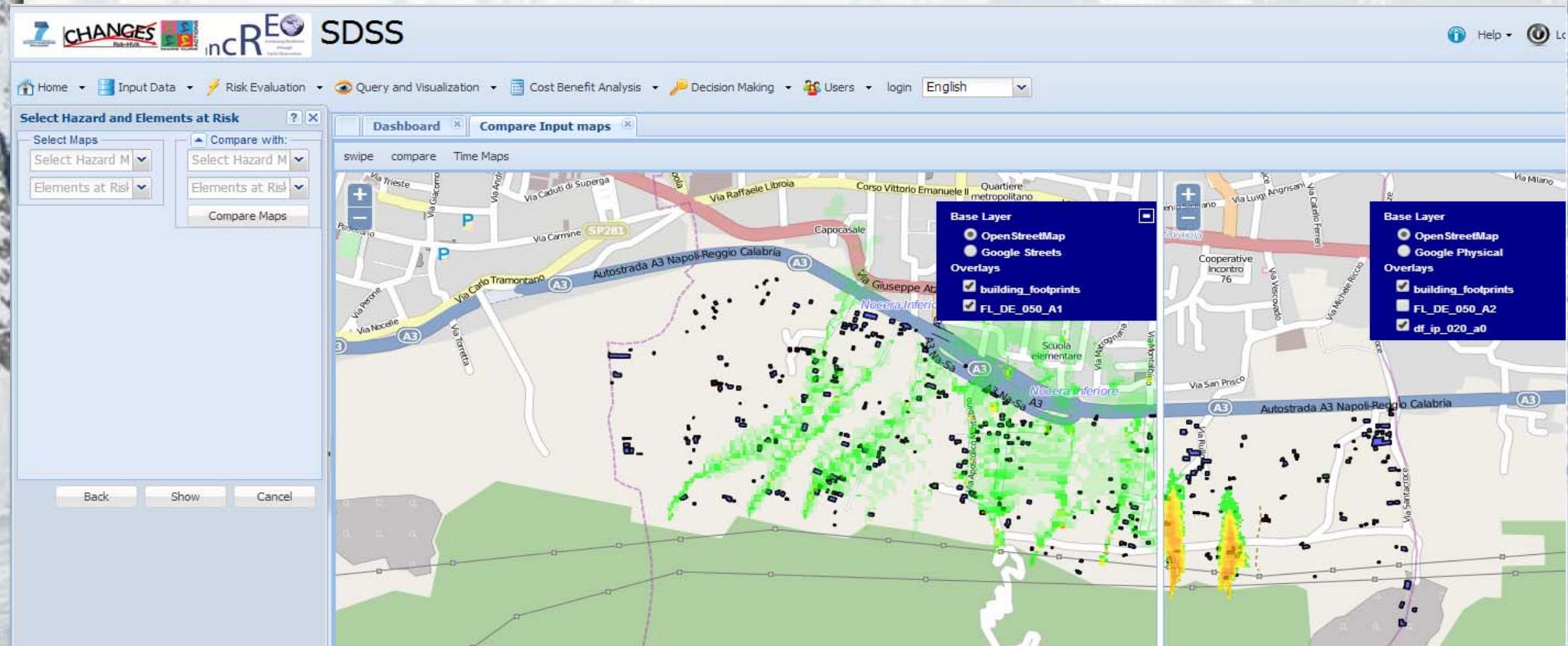
# Implementation phase

Single map

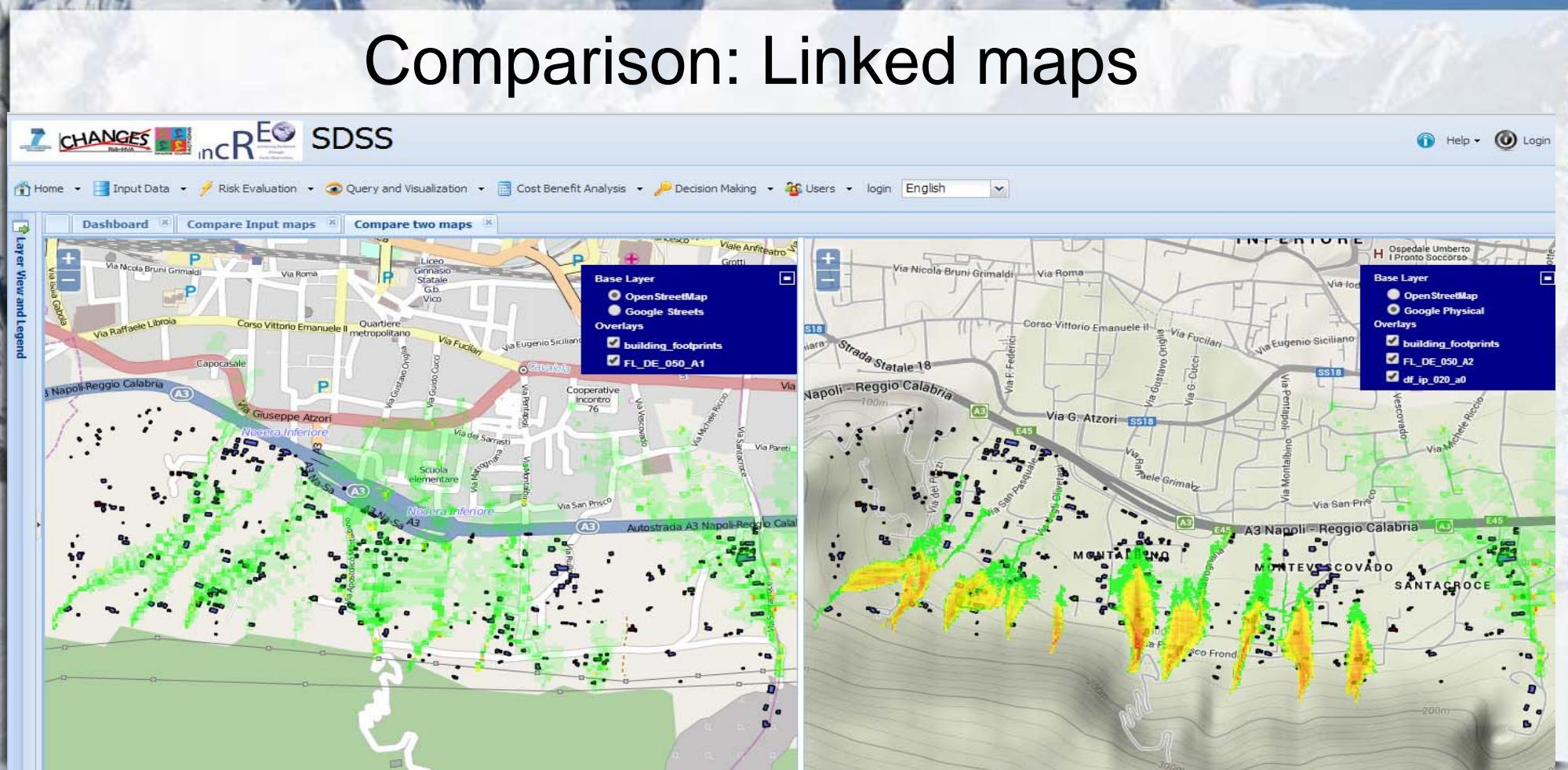


# Implementation phase

## Comparison: Swiping Tool

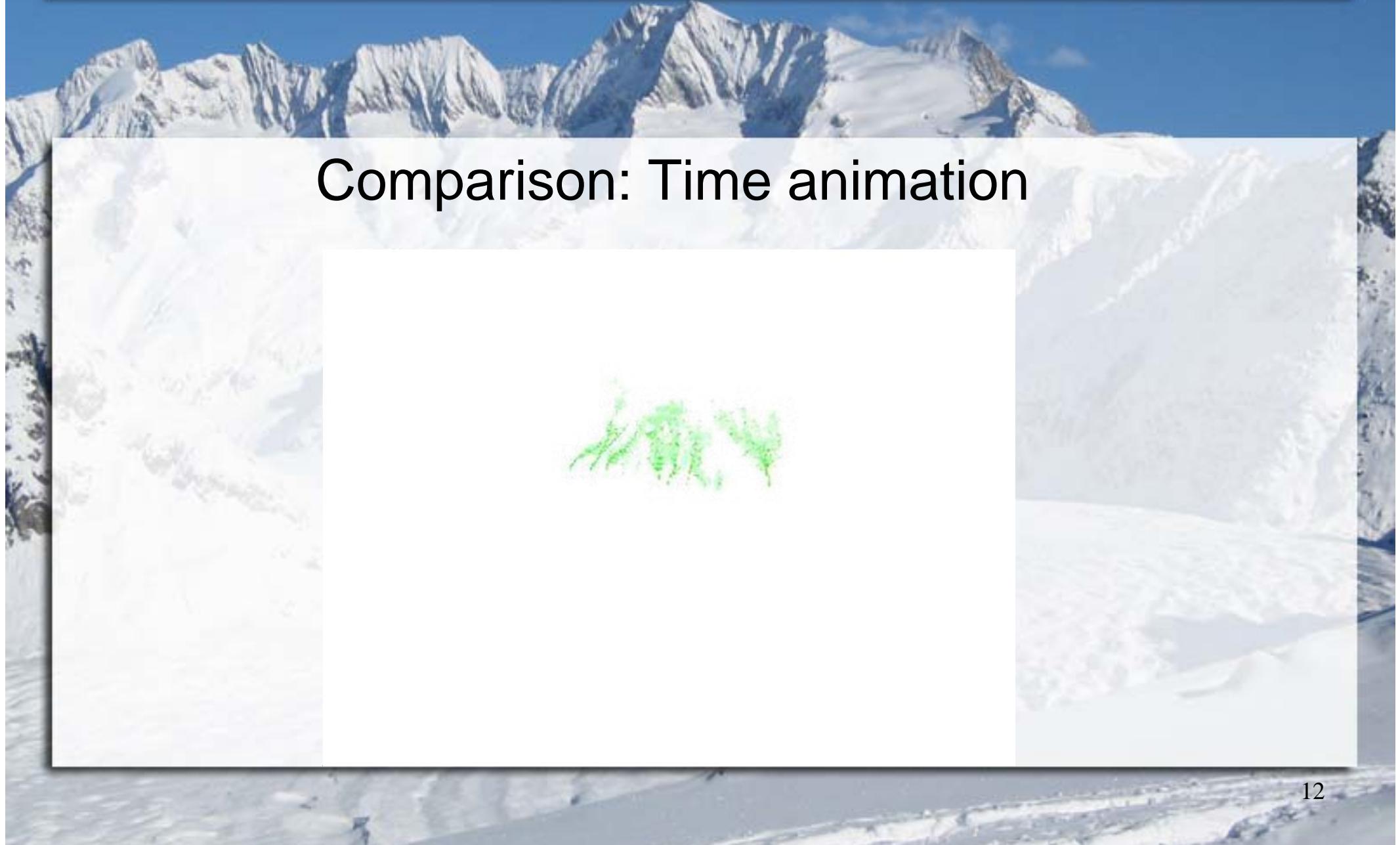


# Implementation phase



# Implementation phase

Comparison: Time animation



# (near)Future Work

- Dynamic data loading
- DB Querying
- Layers' naming convention
- Dynamic Styling
- UI Optimization



Thank you!

CHANGES SDSS URL (under development):  
[changes.itc.utwente.nl/CHANGES-SDSS](http://changes.itc.utwente.nl/CHANGES-SDSS)

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