INSPIRE on the StaGe

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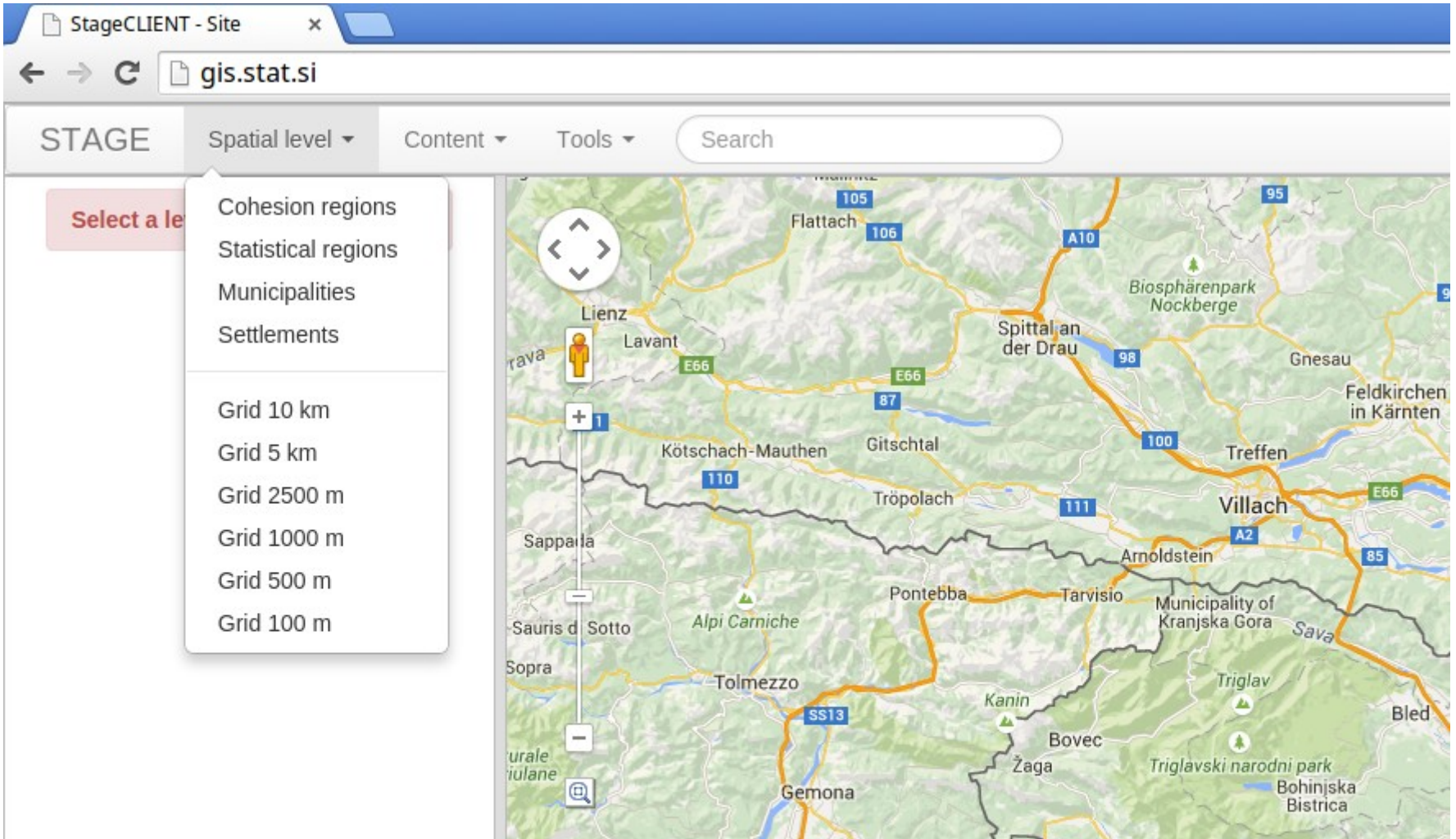
Geodetic Institute of Slovenia

StaGe

merging **Sta**tistical and **Ge**ographical data

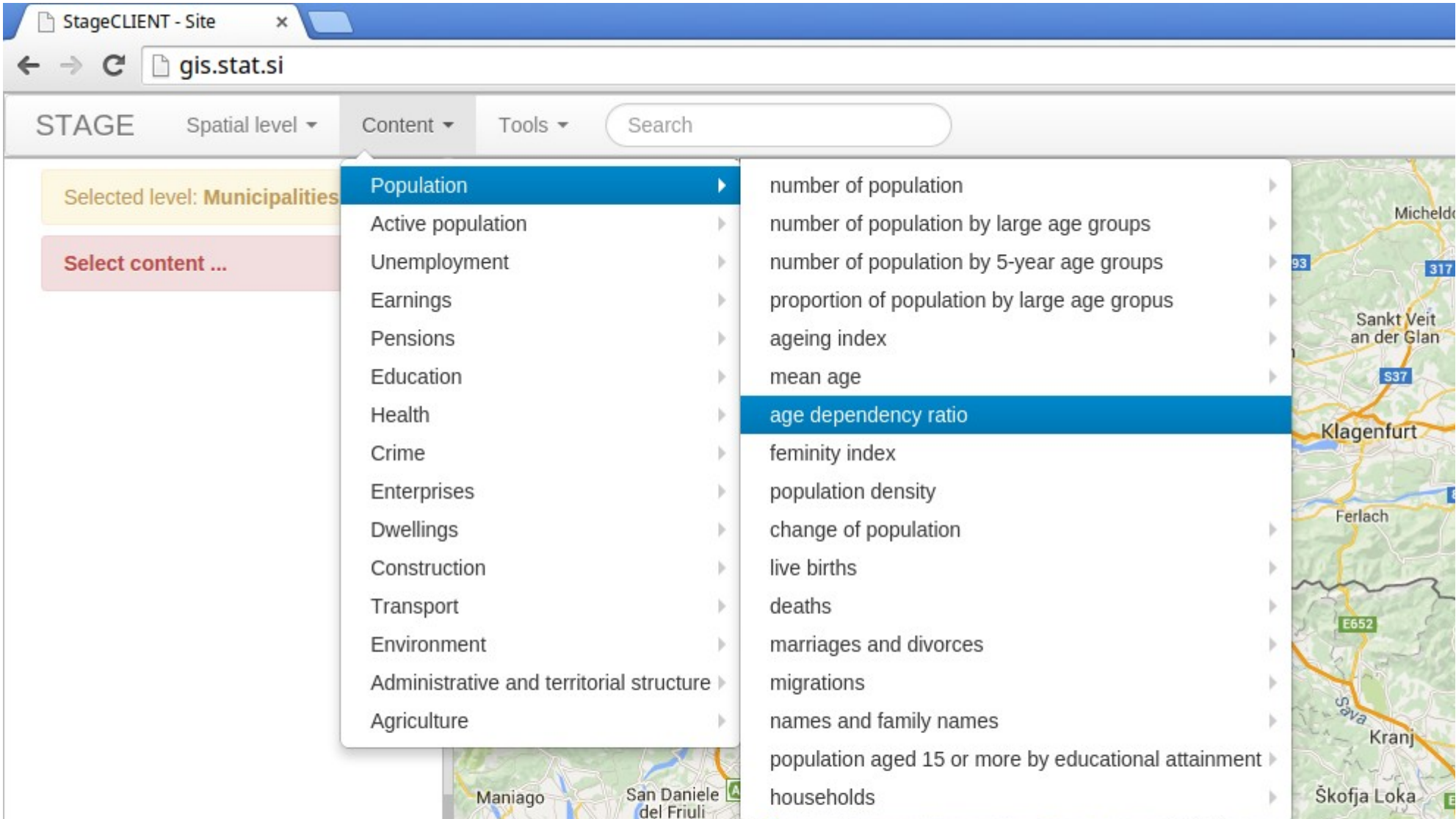
StaGe – geographical data

Administrative units & grid data

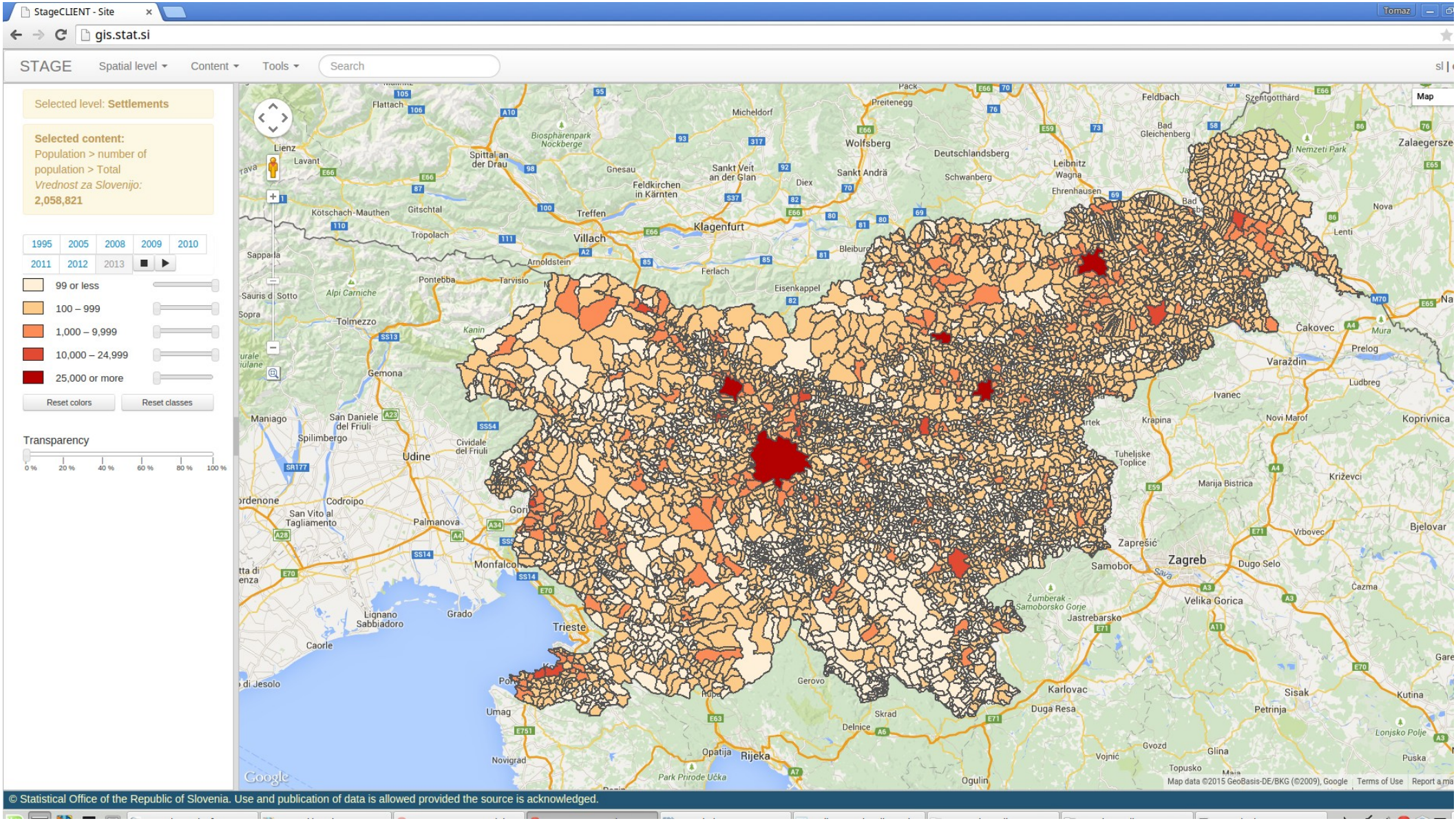


StaGe – statistical data

population, environment, agriculture, dwellings, health data, education ...



Merging statistical and geographical data



StaGe – application requirements

- spatial layers
  - cohesion regions
  - statistical regions
  - municipalities
  - settlements
  - grid (10 km x 10 km, 5km x 5km, 1km x 1km, 500 m x 500 m, 100 m x 100 m)

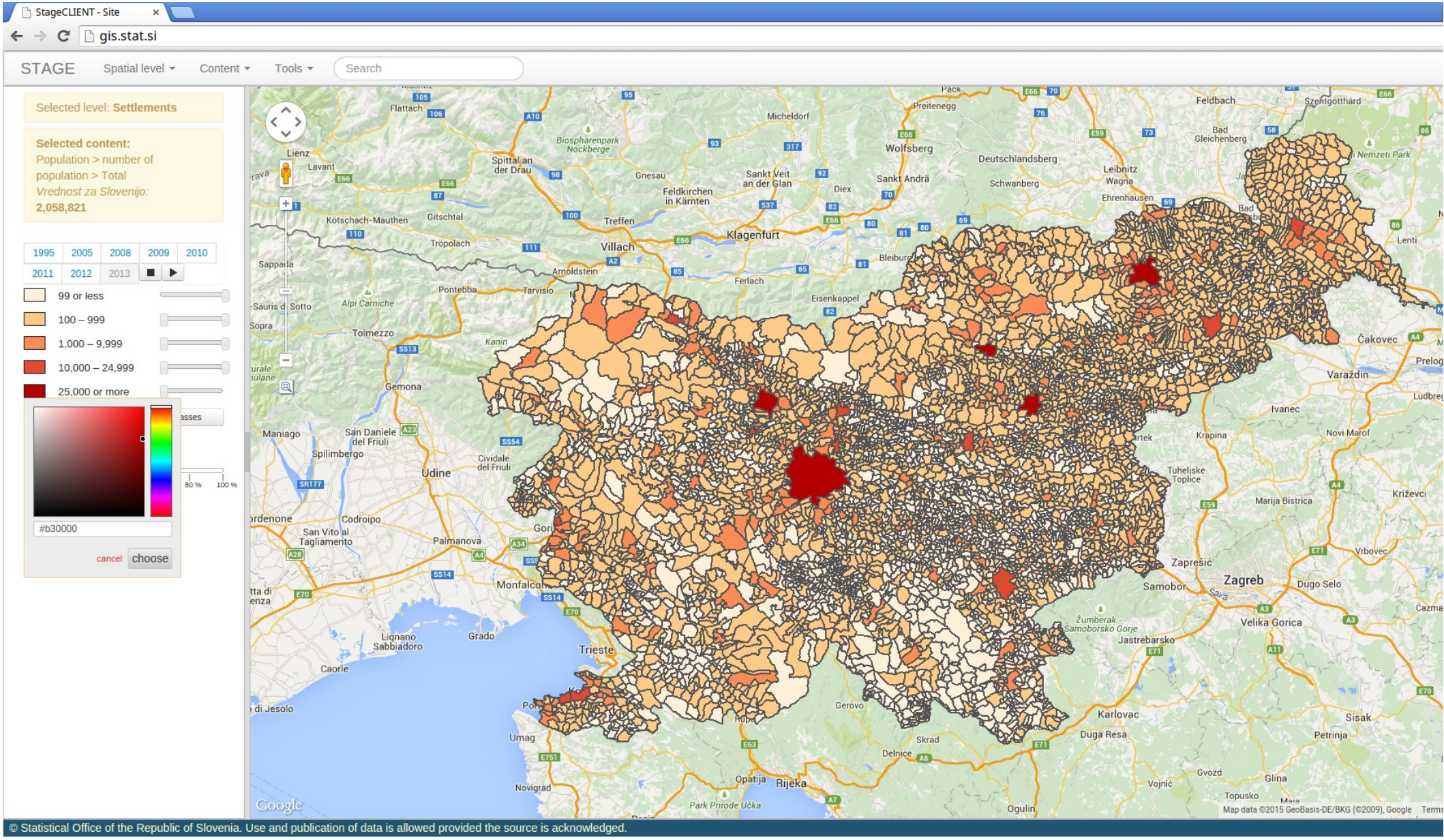
StaGe – application requirements

- statistical data
  - SHP files
  - PX files
- timeline
- map styling
  - adjustable legend colors
  - adjustable class ranges
  - transparency

StaGe – application requirements

- data export
  - CSV
  - SHP
  - image
- delineation
- metadata

StaGe – legend colors



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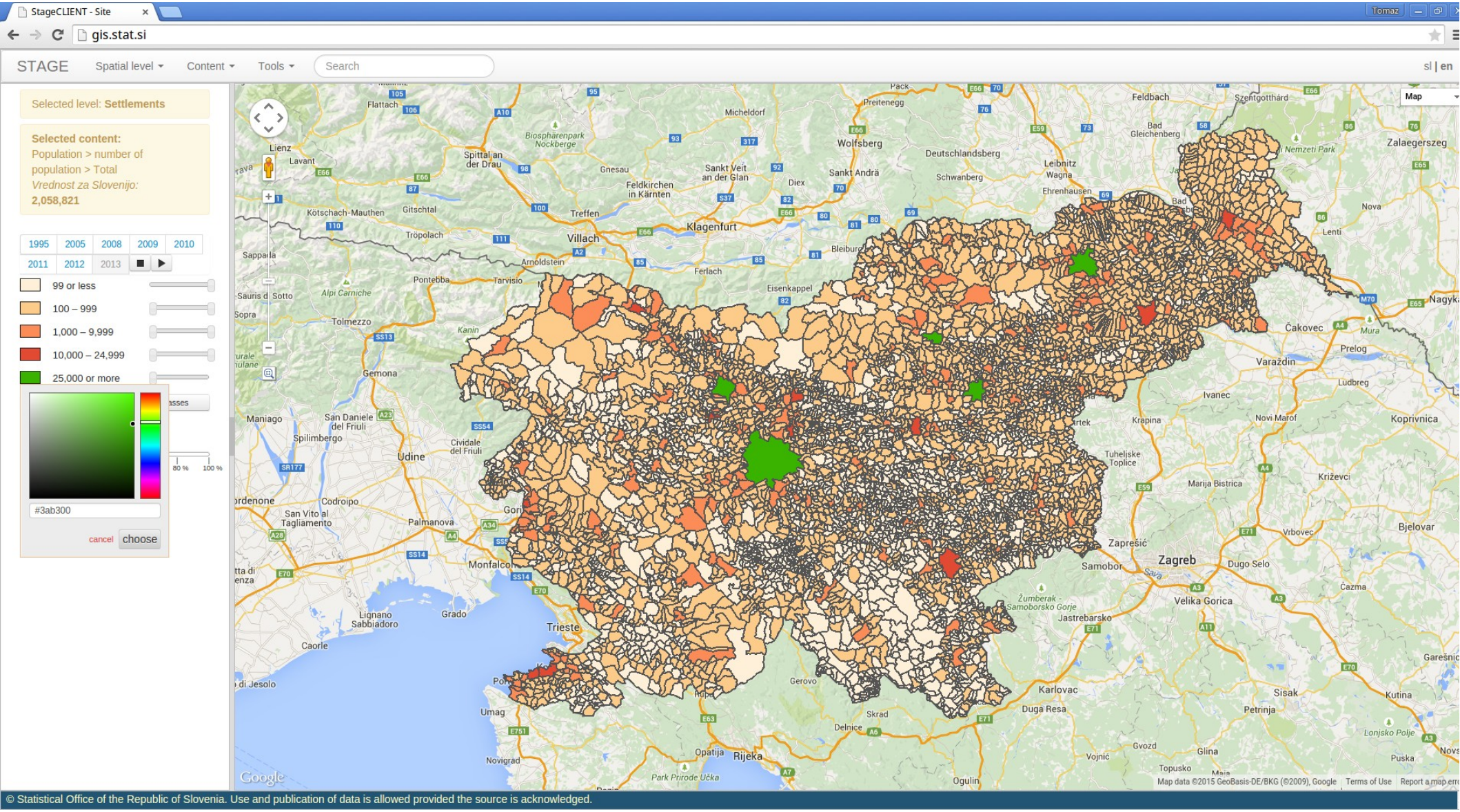
StaGe – legend colors



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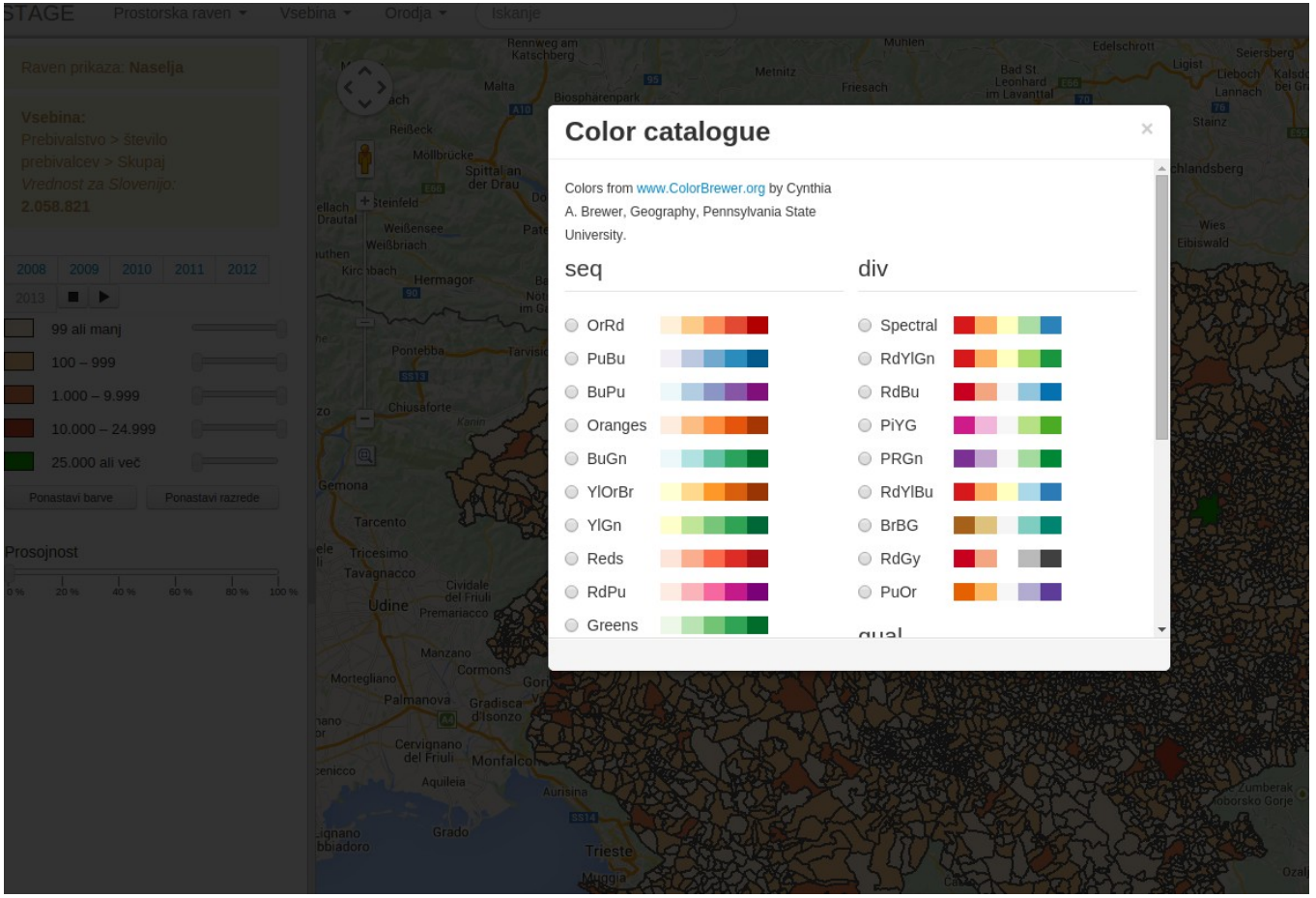
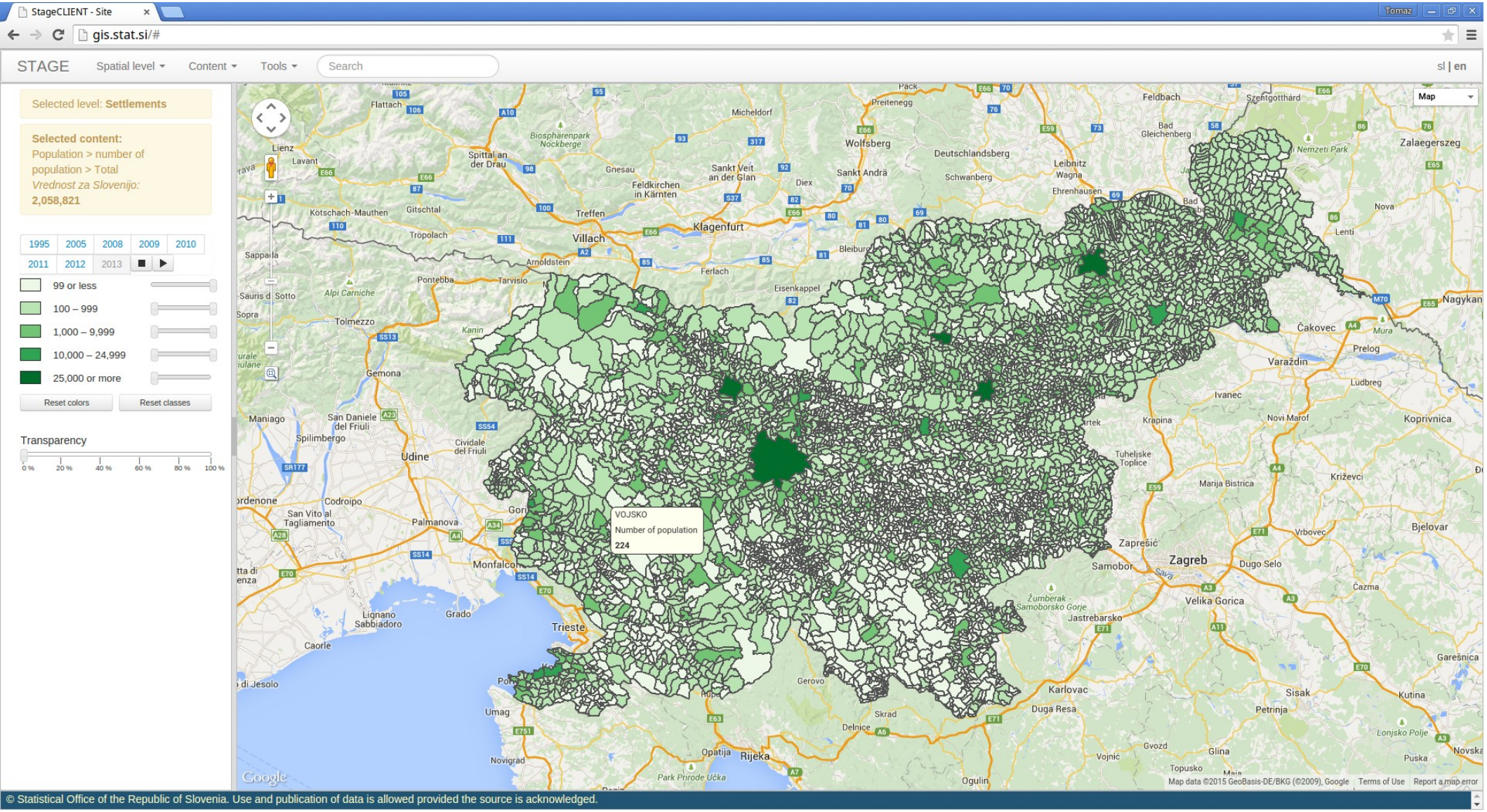
StaGe – map styling



StaGe – map styling



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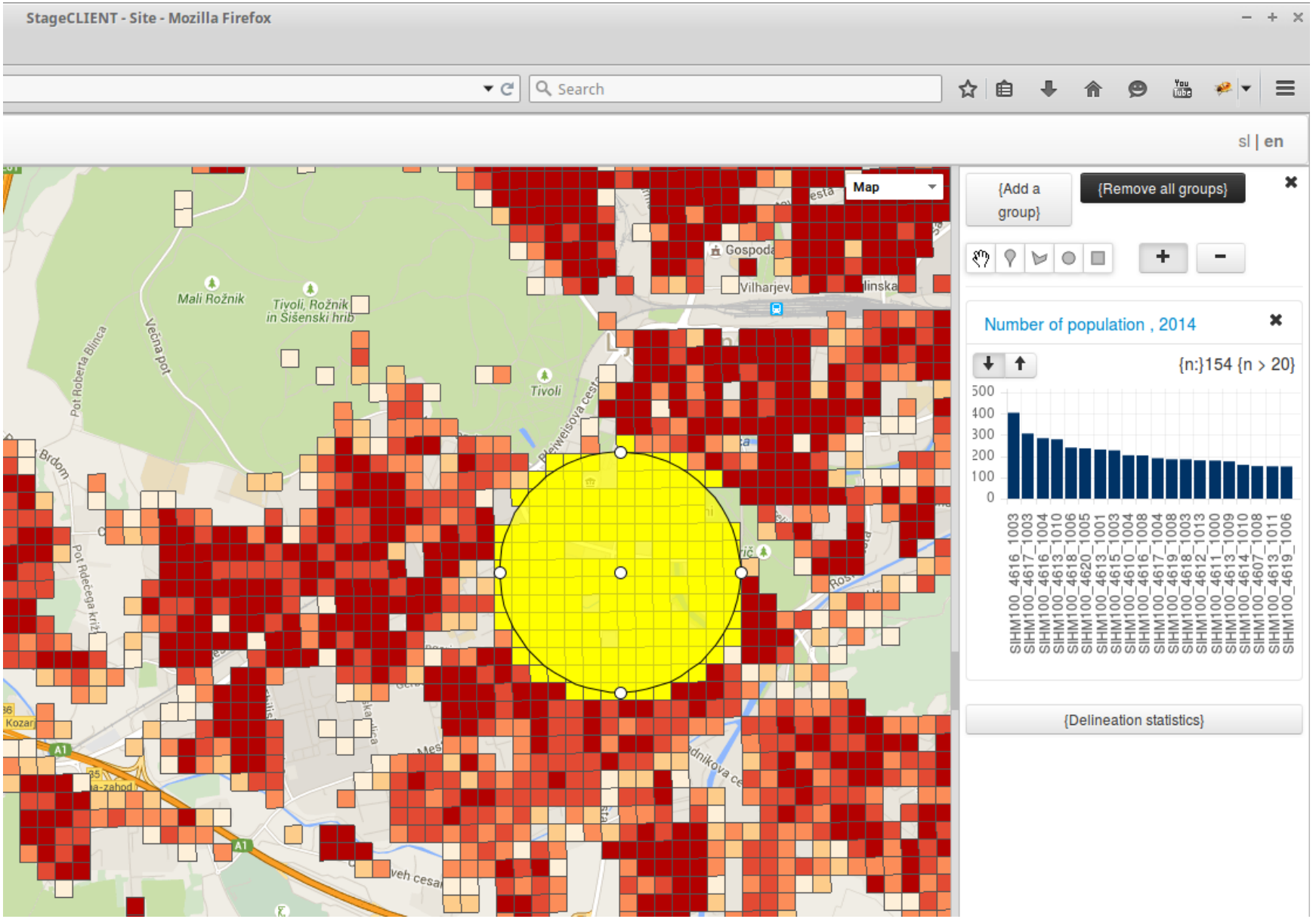
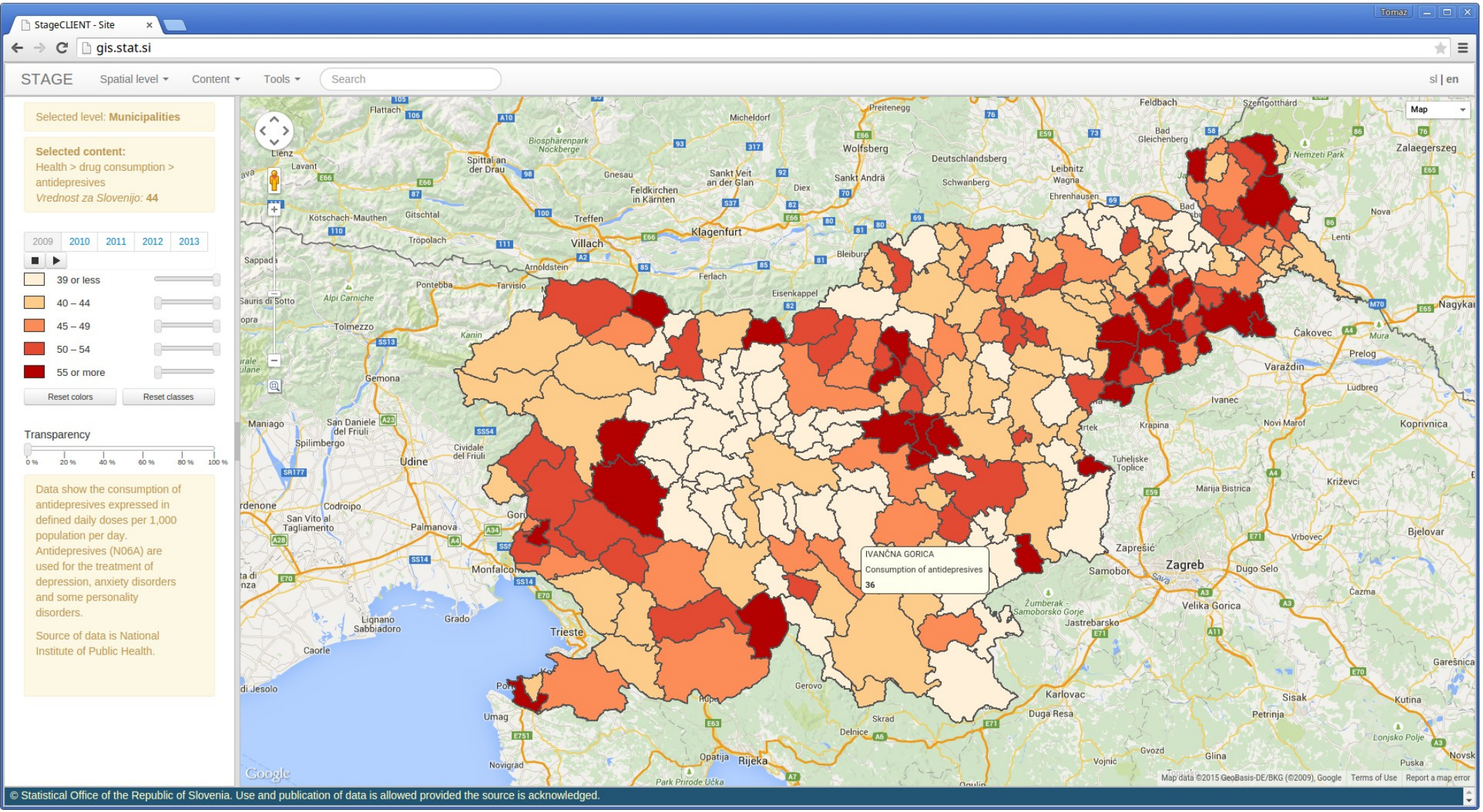
StaGe - delineation



StaGe – timeline



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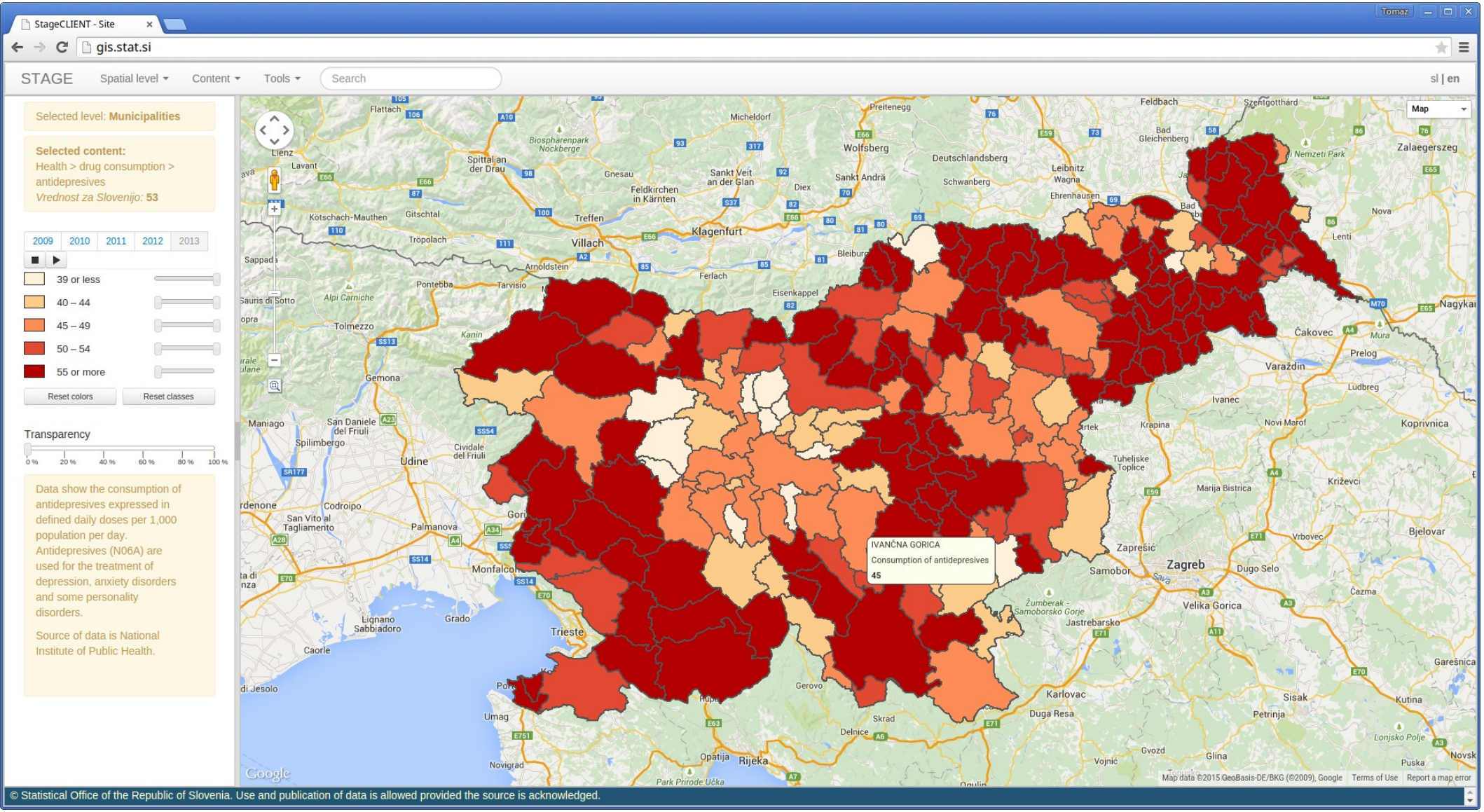
StaGe – timeline



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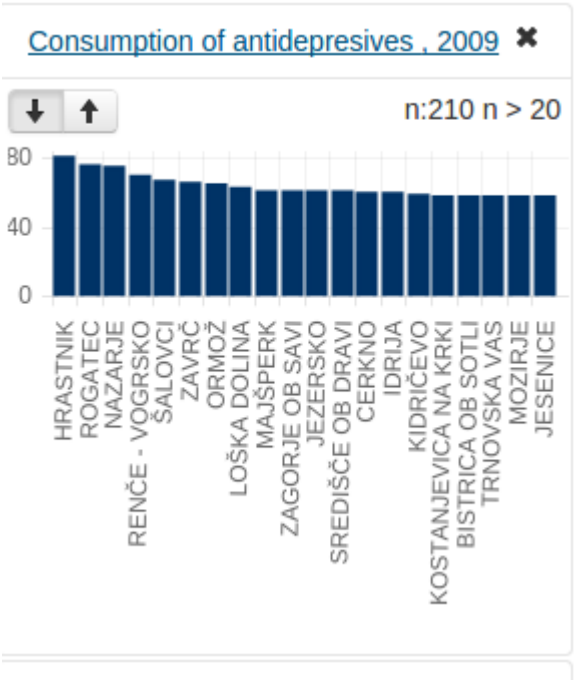
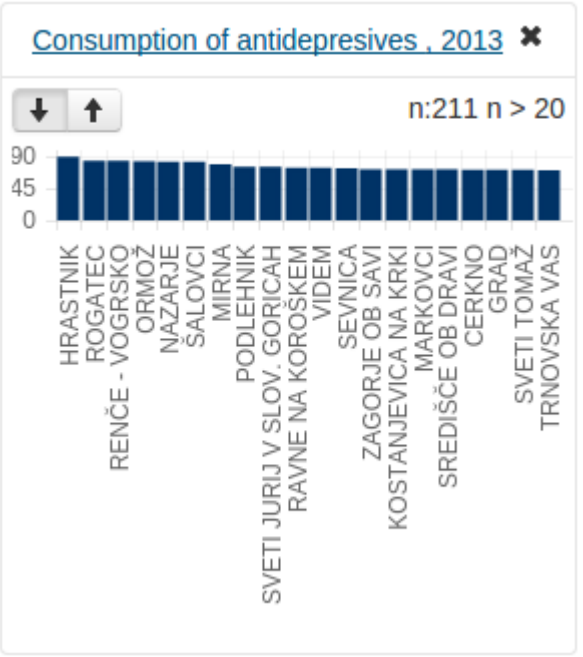
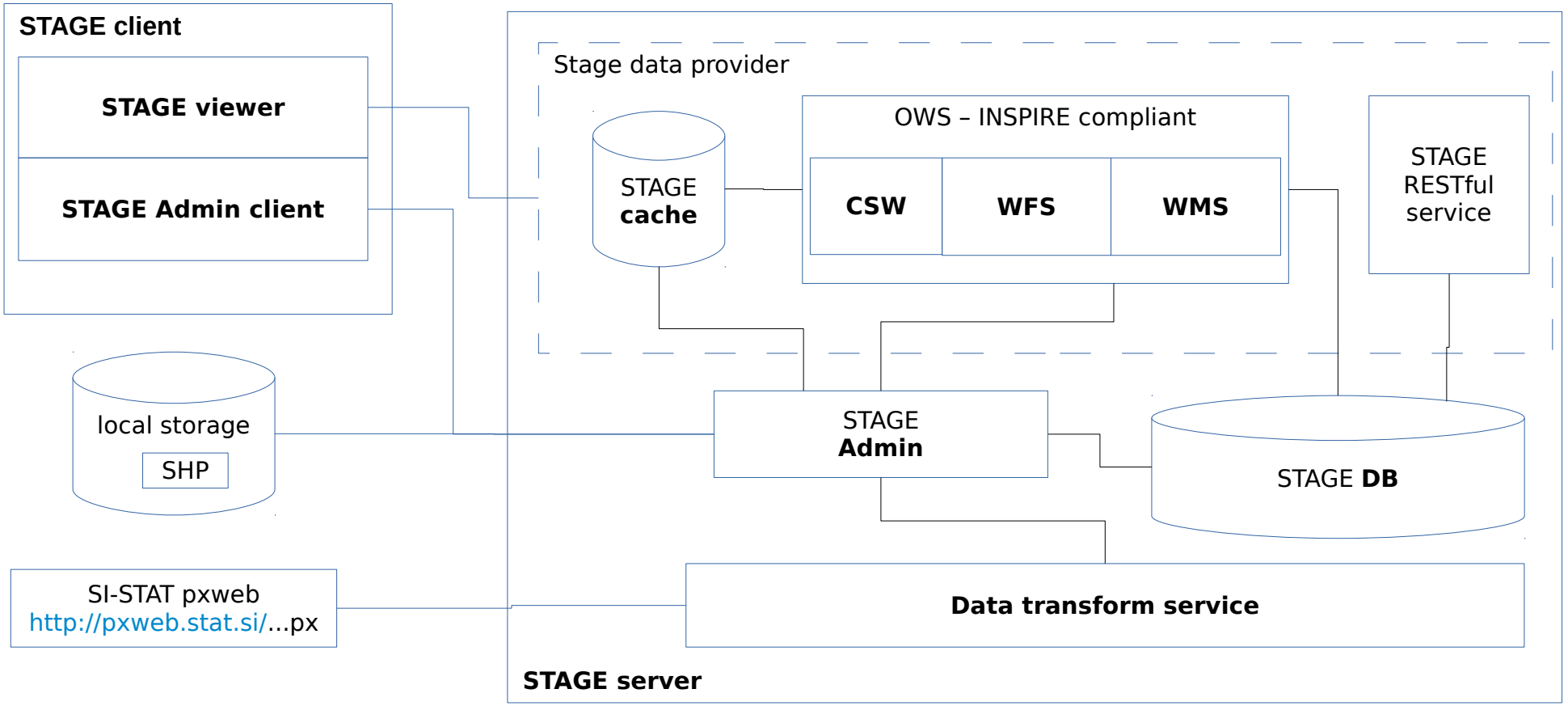
StaGe – timeline

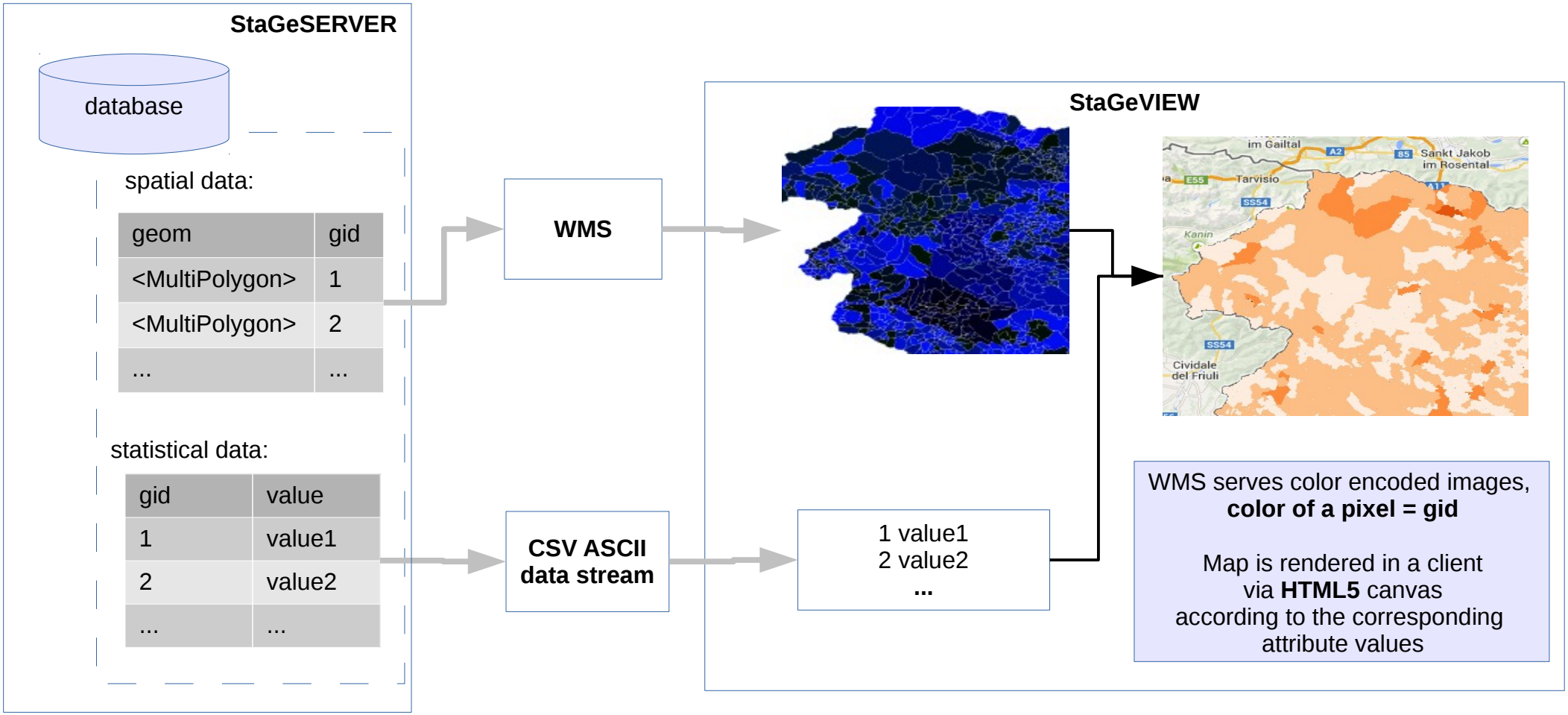




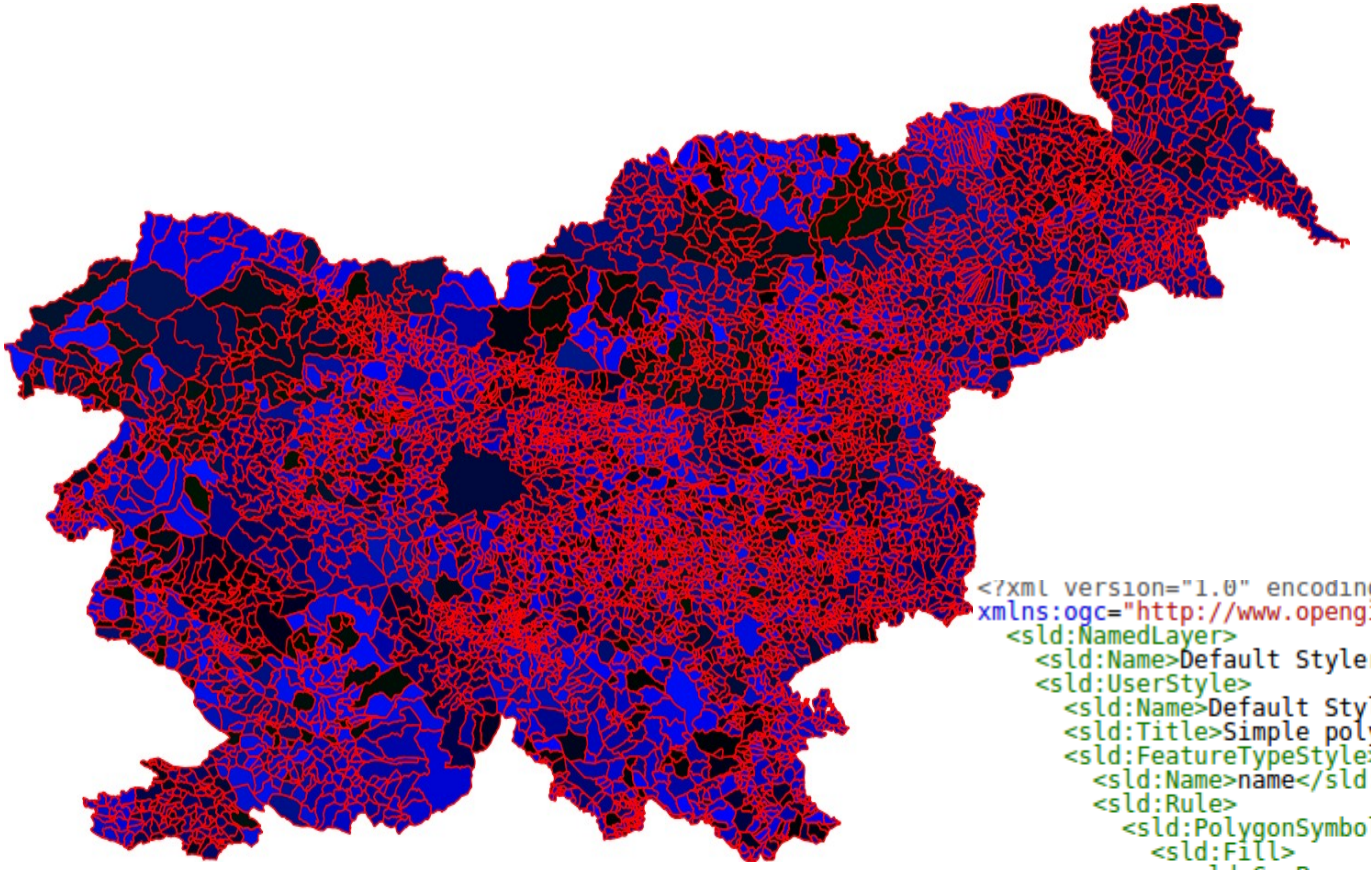
StaGe – the system



StaGe – principle of operation



StaGe – principle of operation –
server side styling



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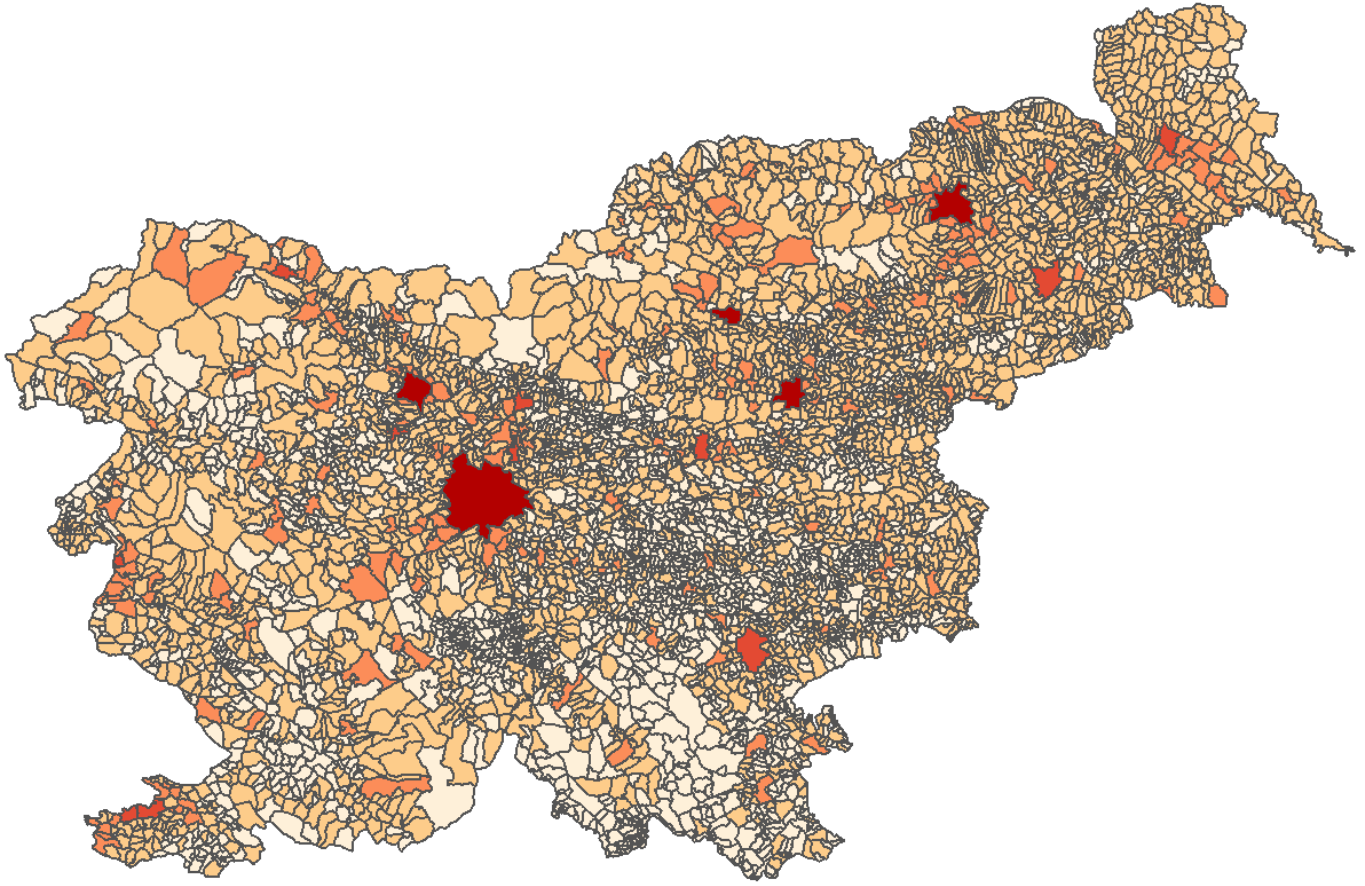
StaGe – principle of operation –
client side styling



StaGe – client side raster styling

- based upon INSPIRE compliant SLD view service
- flexibility and speed
- effective caching
- system implementation with low minimum hardware requirements

StaGe – further development

- JavaScript (HTML5) thematic mapping library
- connect directly to INSPIRE based (SLD supported) WMS (e.g. **ELF - European Location Framework**)
- focus on:
  - statistical variables
  - delineation
  - client side raster data manipulation

StaGe – http://gis.stat.si/

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