- FOSDEM 2020 – Geospatial devroom
- Nicolas ROELANDT

Arabesque
a geographic flow visualization application

Schedule

- Gflowiz project
- Arabesque Application
- Demonstration
- Future

Gflowiz project

GFlowiz project

Geographic flow vizualisation

Flow, networks and movements in the geoweb

- Website (in French): https://geoflowiz.hypotheses.org/

2 objectifs :

- Make an inventory of webmapping applications describing spatio-temporal mobilities
- Develop a web application for geovisualization of flow, networks and movements

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Arabesque in details

Arabesque

- Exploration and geovisualization of flow and network data application
- Etienne Côme, Thomas Bapaume, Laurent Jégou, Françoise Bahoken, Marion Maisonobe, Nicolas Roelandt & Grégoire Le Campion

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cnrs

Géographie-cités UMR 8504

UMR 5319 Passages

LISST Laboratoire Interdisciplinaire Solidarités, Sociétés, Territoires

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Arabesque

- Arabesque, free web application for thematic mapping of flow and networks
- http://arabesque.ifsttar.fr/
- Source available under BSD 2 Clause Licence : https://github.com/gflowiz/arabesque
- Libraries and data :




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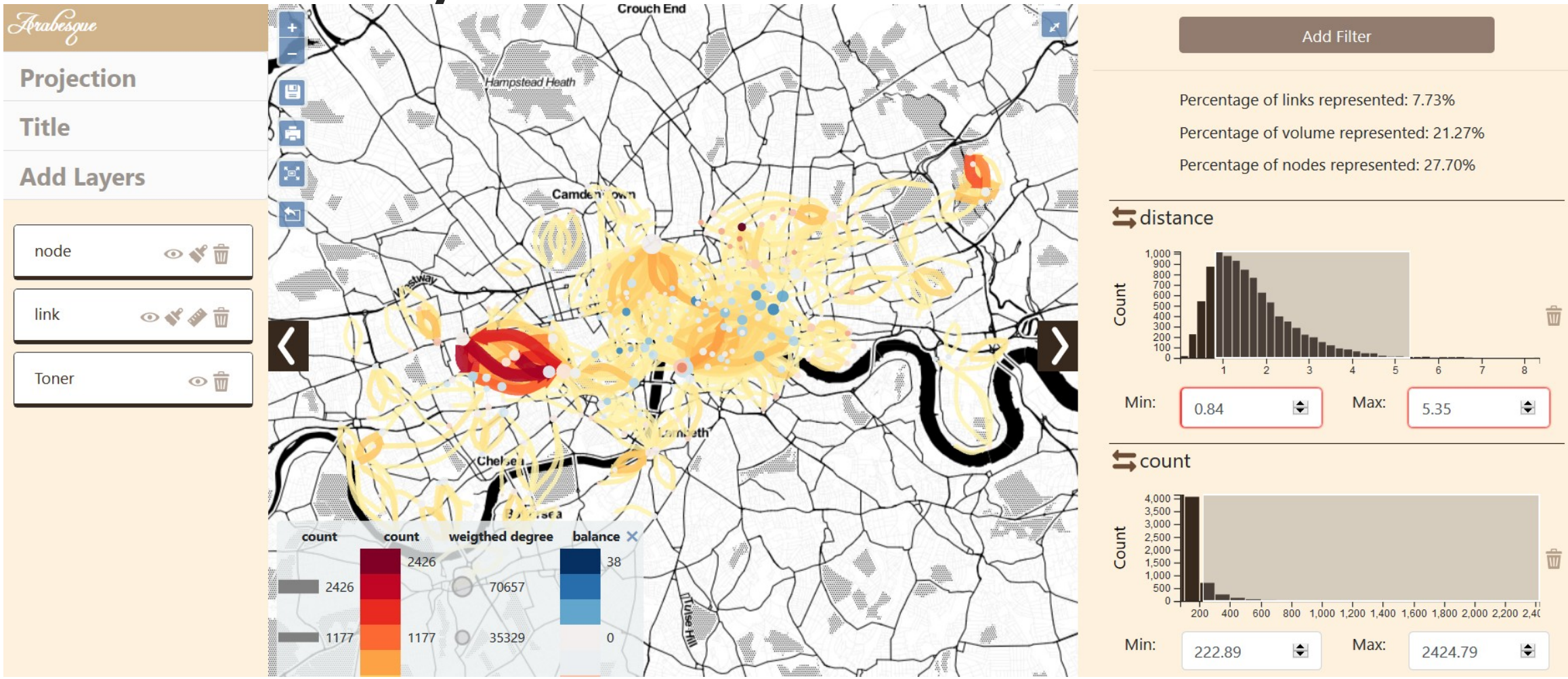
Arabesque

5 major steps :

- **Import** data (links and/or nodes)
- Statistical **treatment**
- **Explore** and **filter**
- **Symbolize**
- **Save** and **export**

Arabesque interface



Bike sharing demo data, local level

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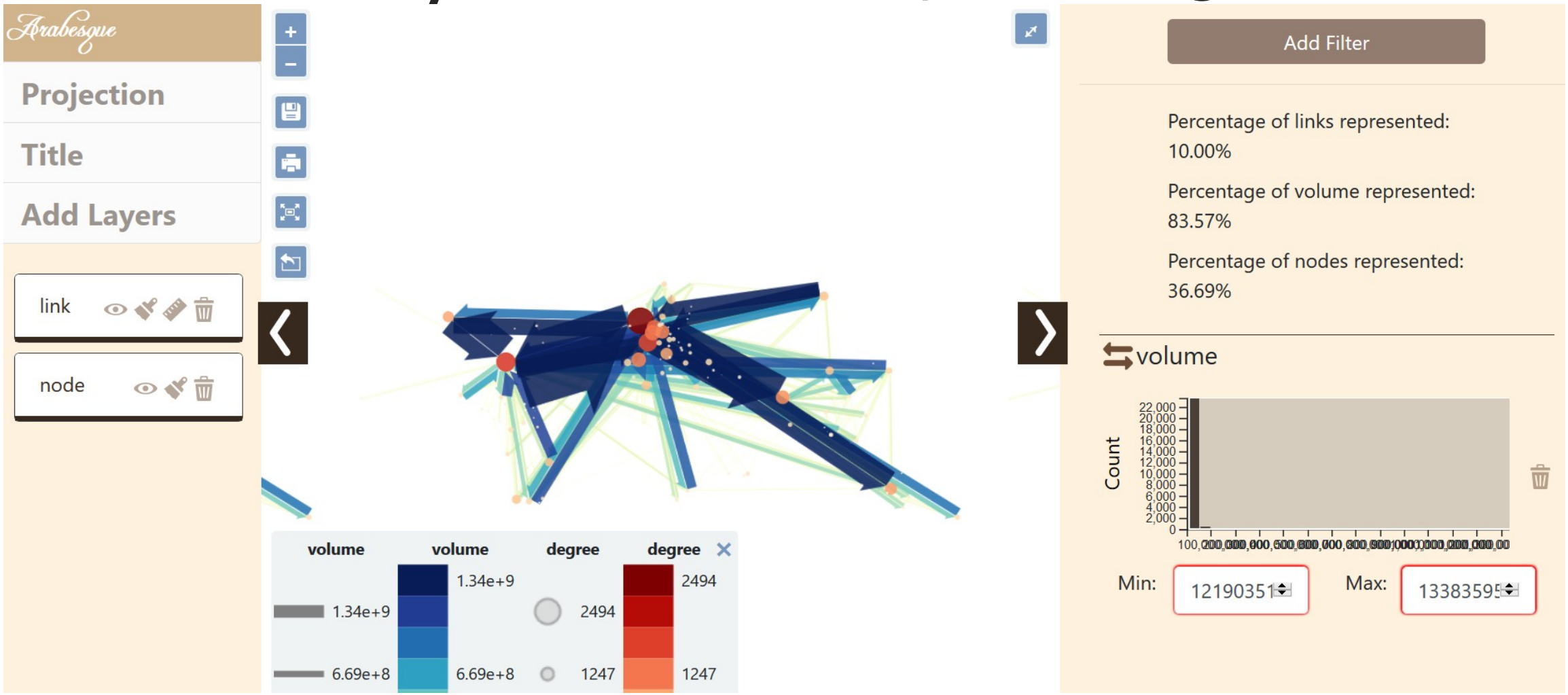
Arabesque Default symbologie



RICardo historical trade database, world level

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DEMO

Future

Arabesque future

- Code base rewriting
- New features :
  - New indicators
  - New filters
  - Bipartite dataset handling
  - Export map in vector format

Arabesque

- **Nicolas Roelandt**
- nicolas.roelandt@ifsttar.fr
- nicolas.roelandt@univ-gustave-eiffel.fr

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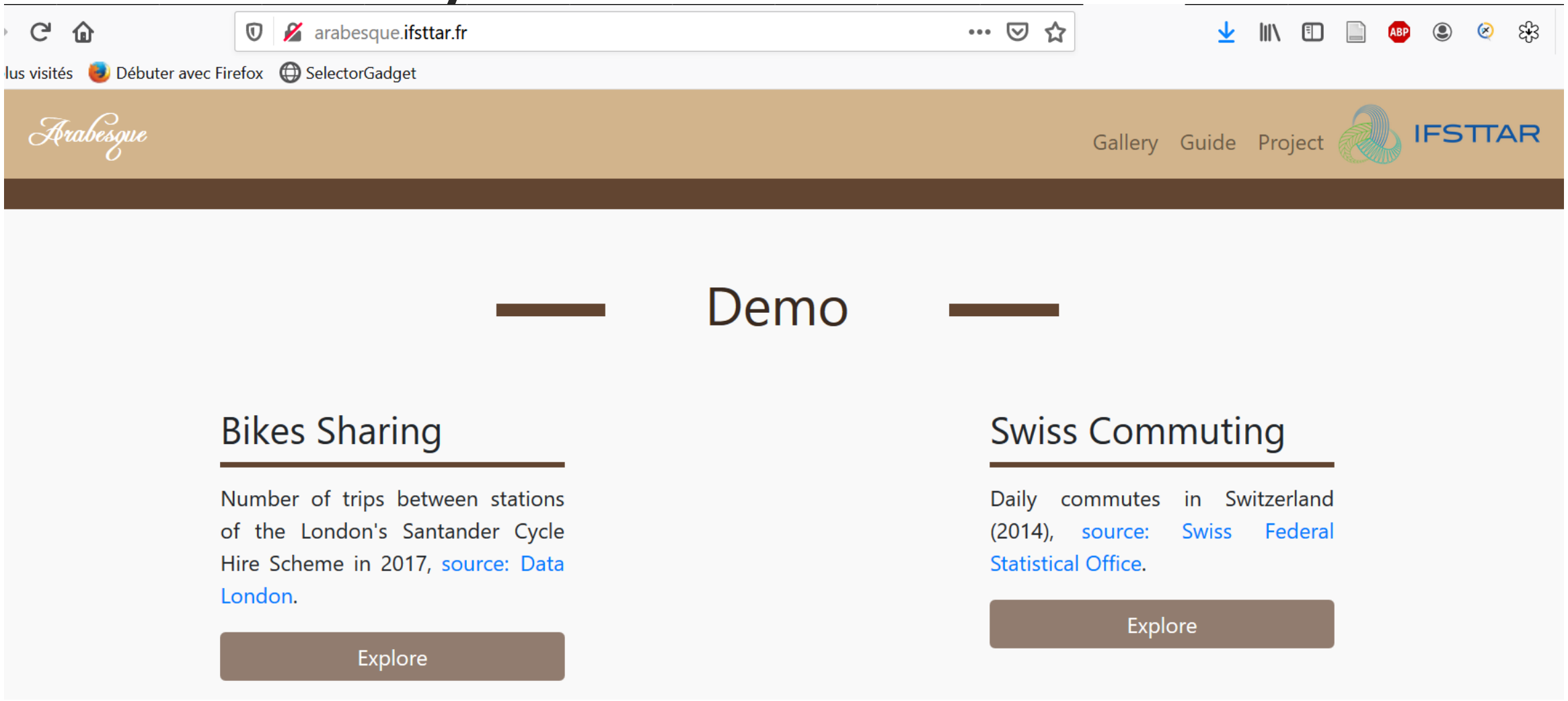
Arabesque demo datasets



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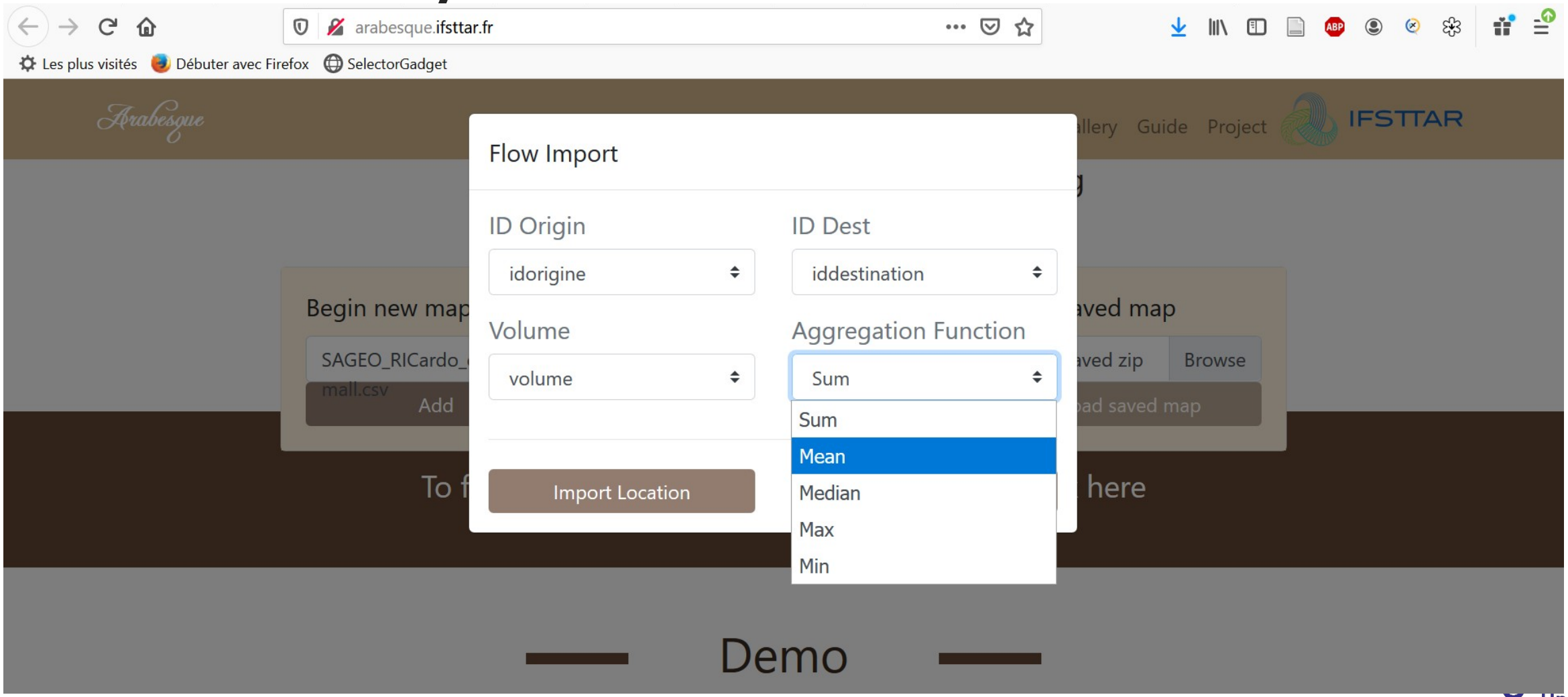
Arabesque link dataset import



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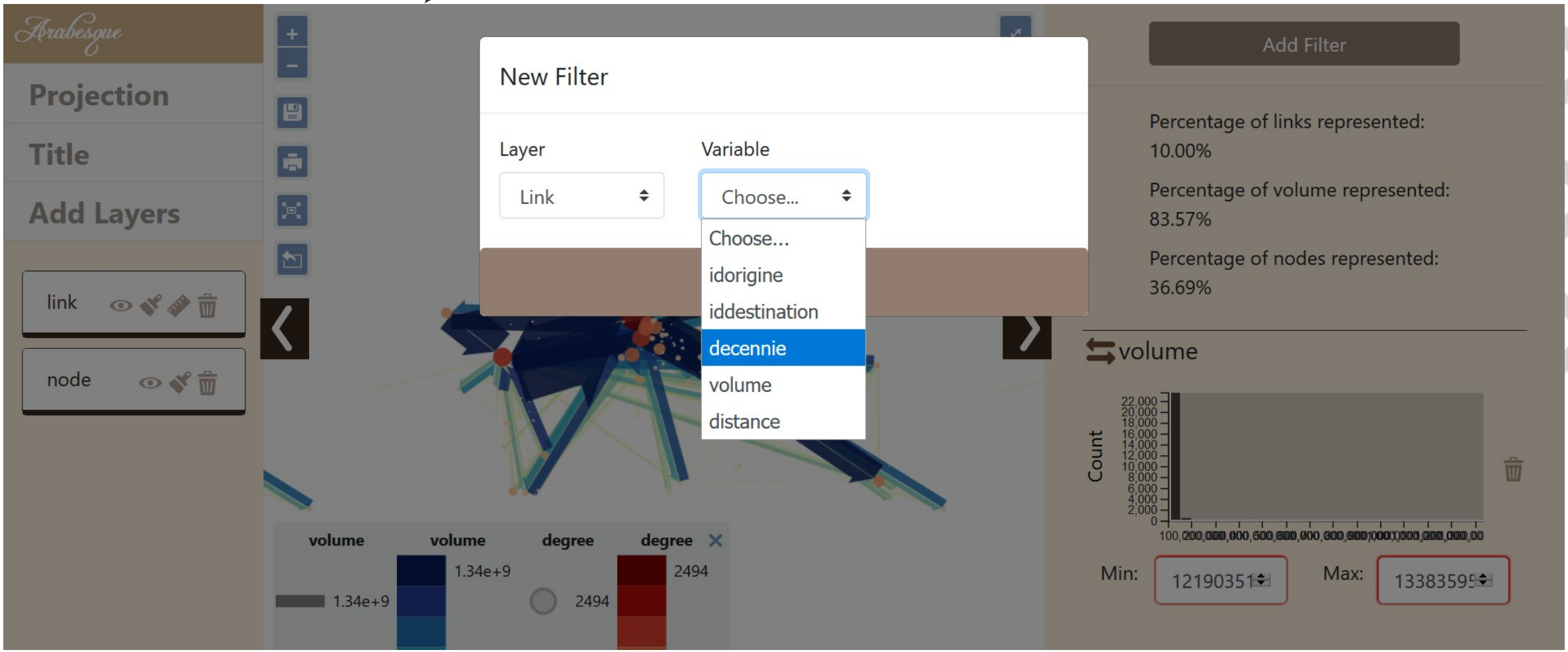
Arabesque add filter



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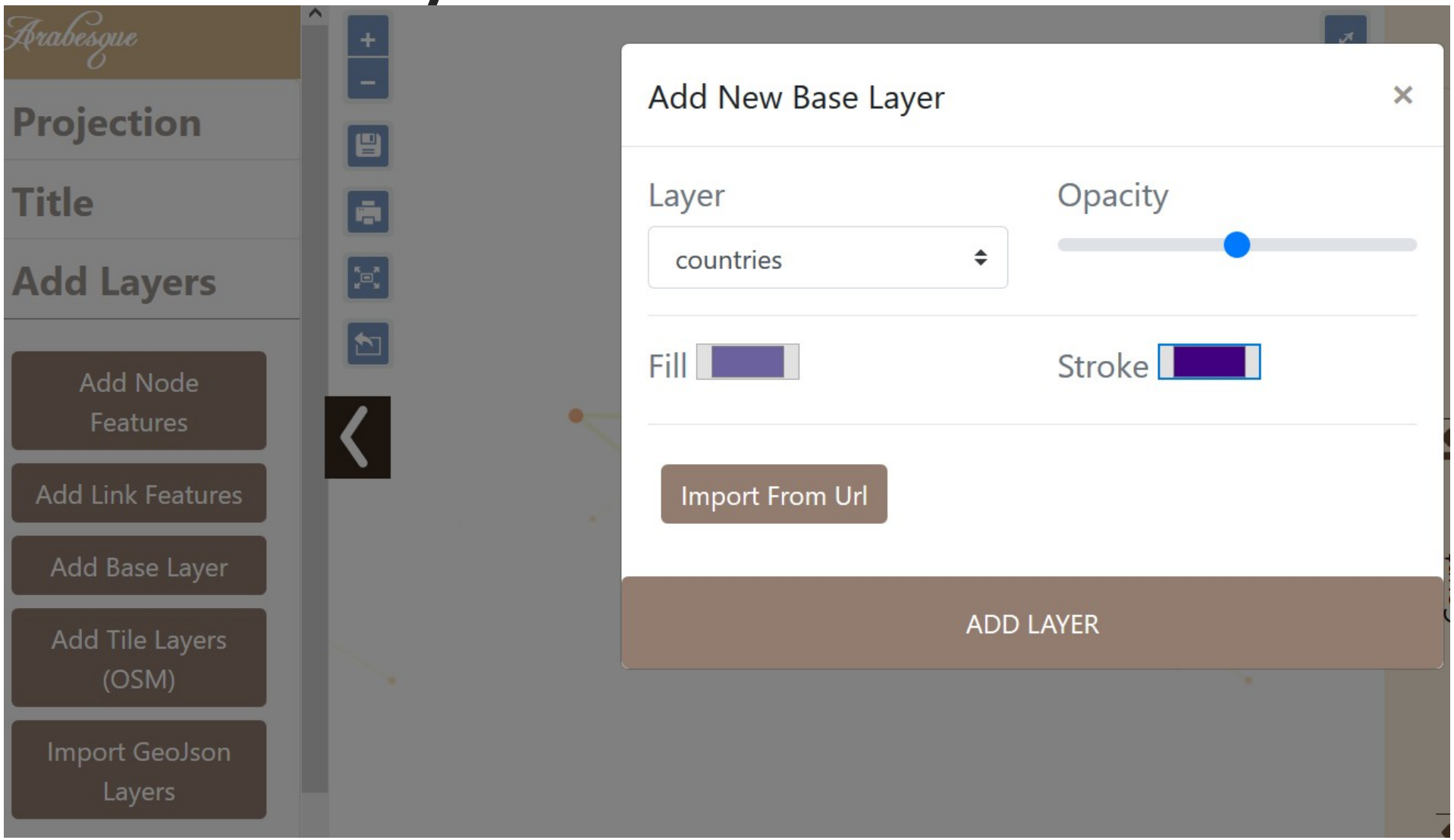
Arabesque add basemap



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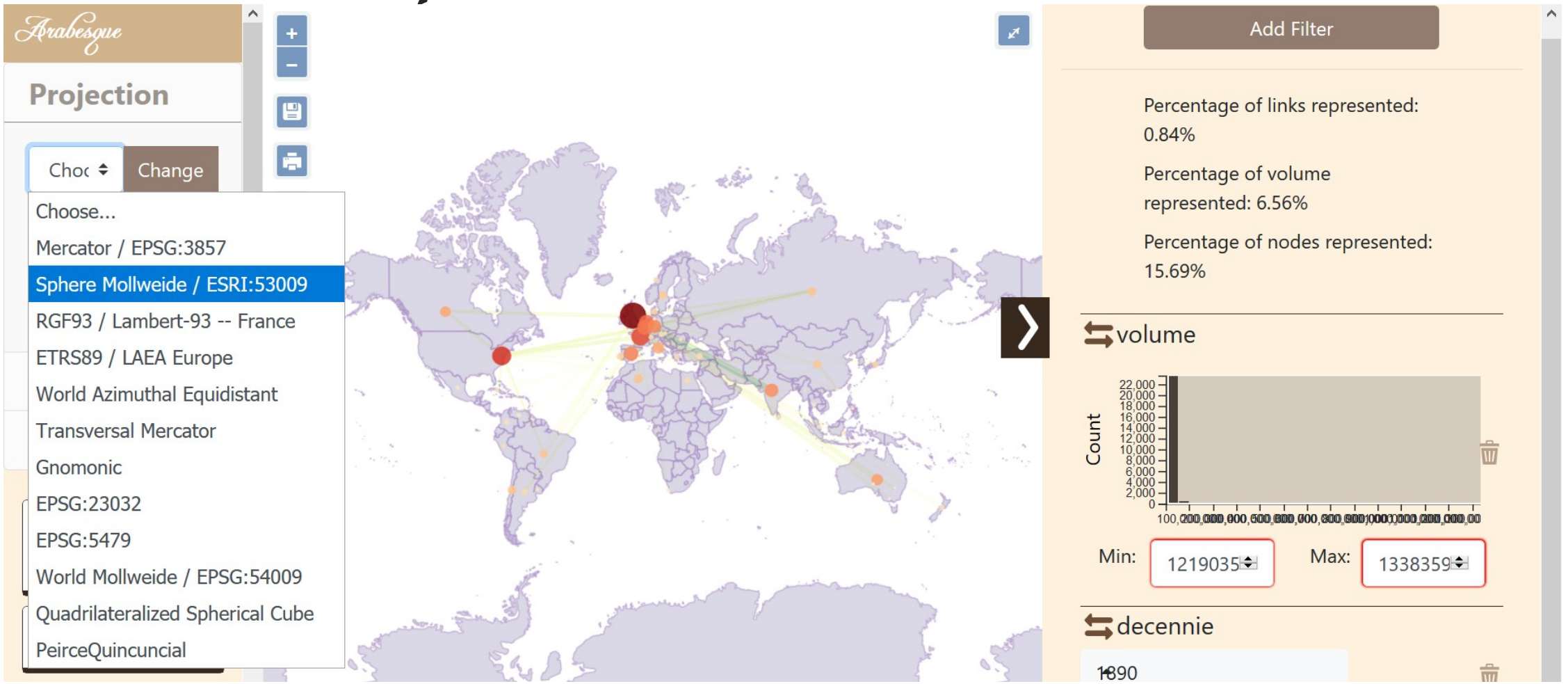
Arabesque Reproject



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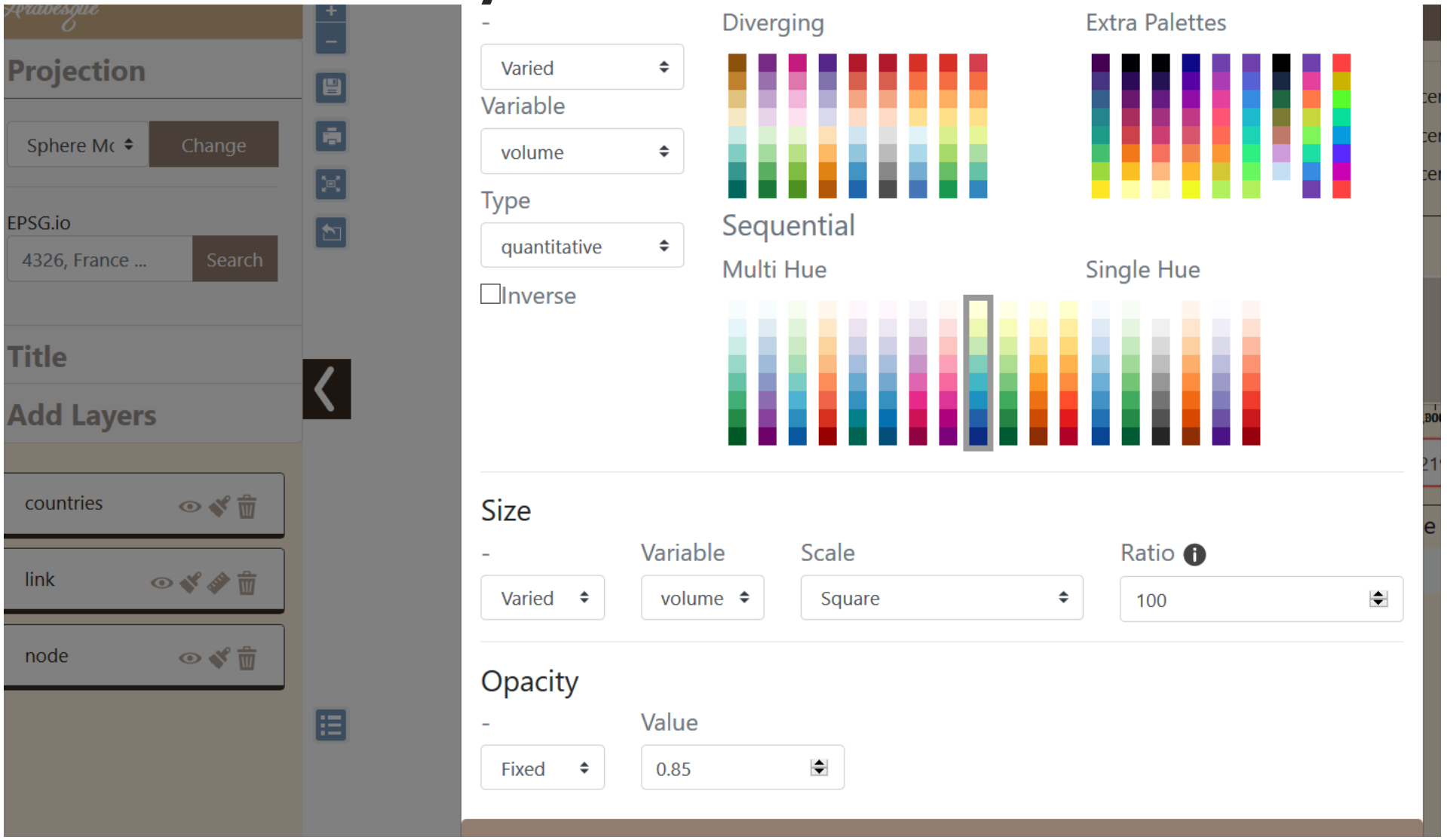
Arabesque Symbology



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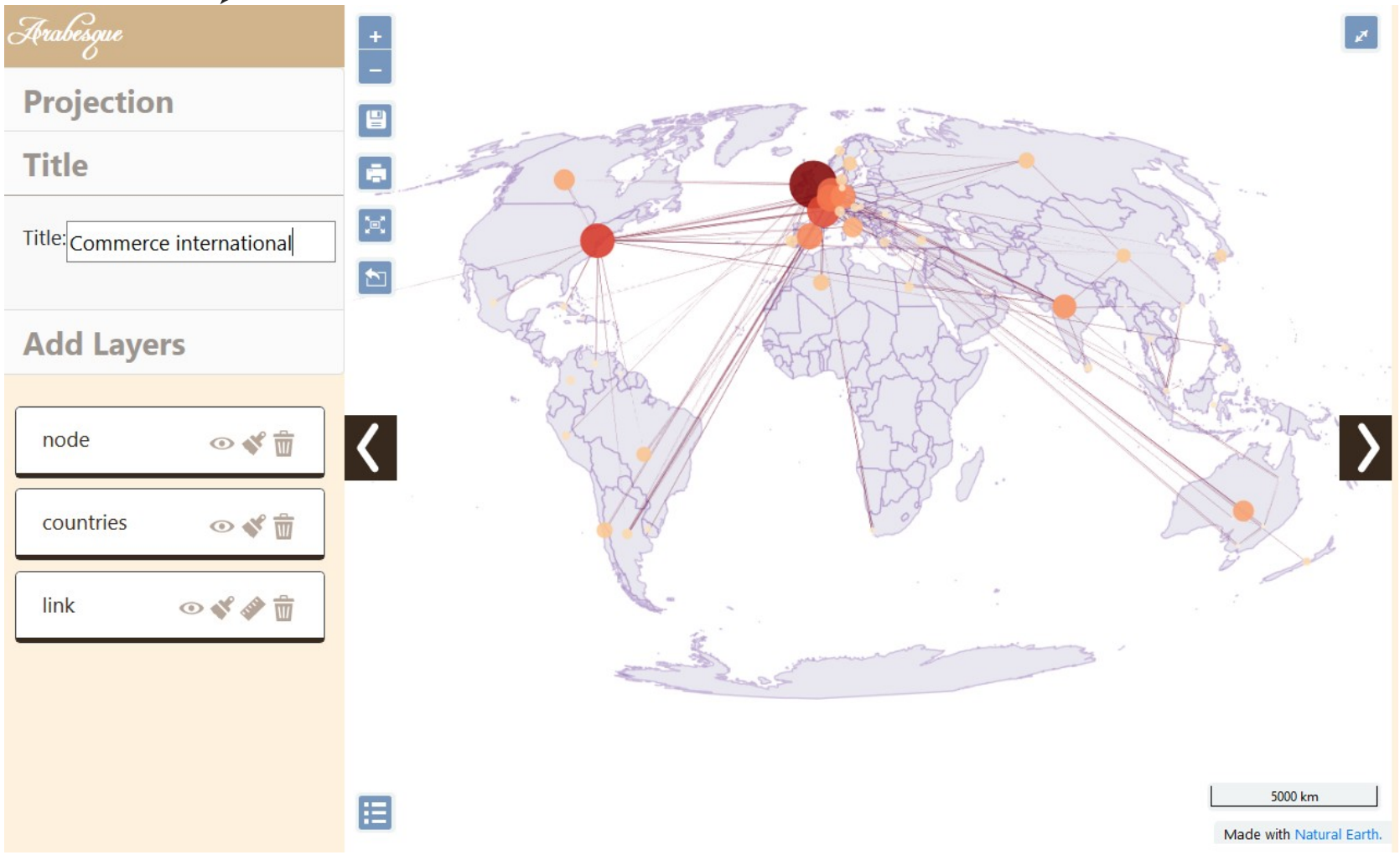
Arabesque Add title



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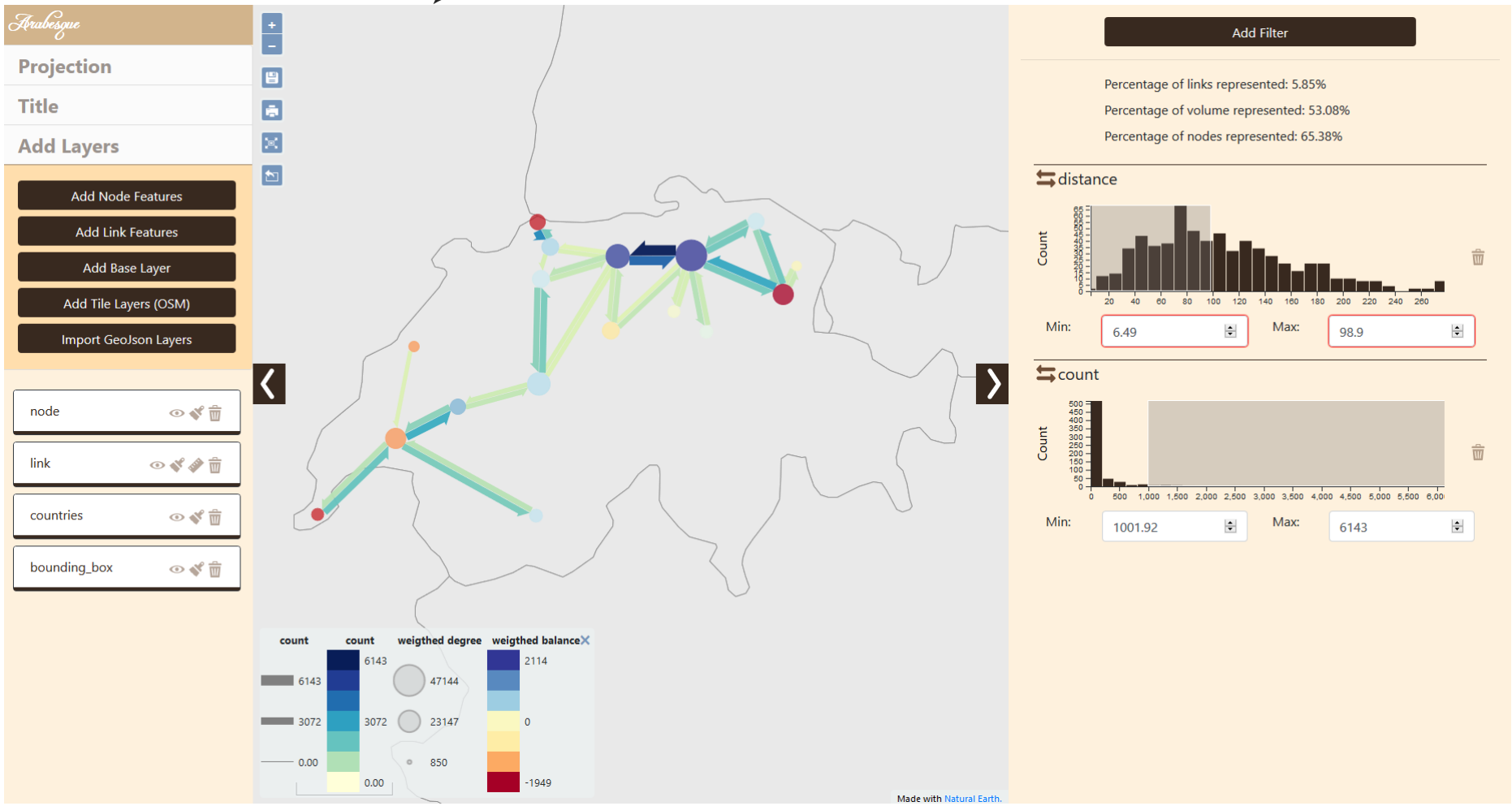
Arabesque example



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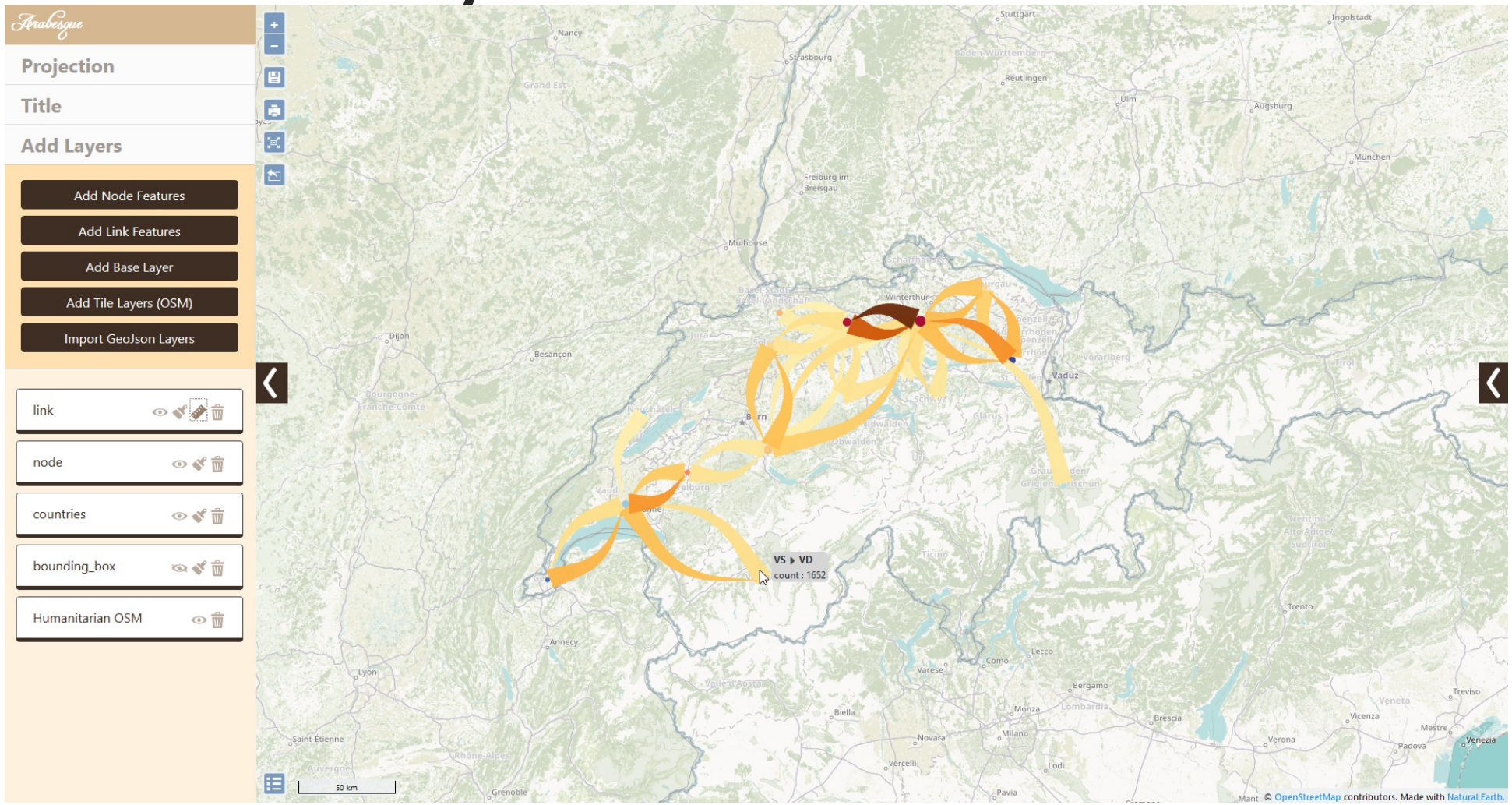
Arabesque example



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