RIPE 82

Mapping the Routes of the Internet for Geopolitics: Eastern Ukraine

or How are RIPE data & tools useful for social sciences and geopolitics

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Mapping the Geopolitics of the Internet using RIPE data and tools

• Looking for Geopolitics in AS graphs

• Graph of the world’s ASes and their interconnection, with algorithmic layout and geographical (country) identification

• Data from RIPE RIS and other sources
Mapping conflicts over cyberspace using RIPE data and tools

- Traceroutes suggest the outbreak of a “digital” border or frontline
- Data from RIPE Atlas measurements
Mapping conflicts over cyberspace using RIPE data and tools

- Data source: RIPE RIS
- Data processing:
  - Algorithmic Layout
  - Countries shown
- Data analysis
  - Fine-grained qualitative analysis to infer the location of ASes
  - Identification of the interactions between network topology and geopolitical constraints
  - Identification of the geopolitical consequences
Exploring other types of Internet mapping visualizations

Using RIPE Atlas and latency thresholds to map the connectivity between cities of Ukraine

Using RIPE Atlas to produce heatmaps of connectivity to/from conflictual zones

Using RIPE RIS data to make anamorphic cartograms

Size = Number of connections to Saudi Arabia