

RIPE 82

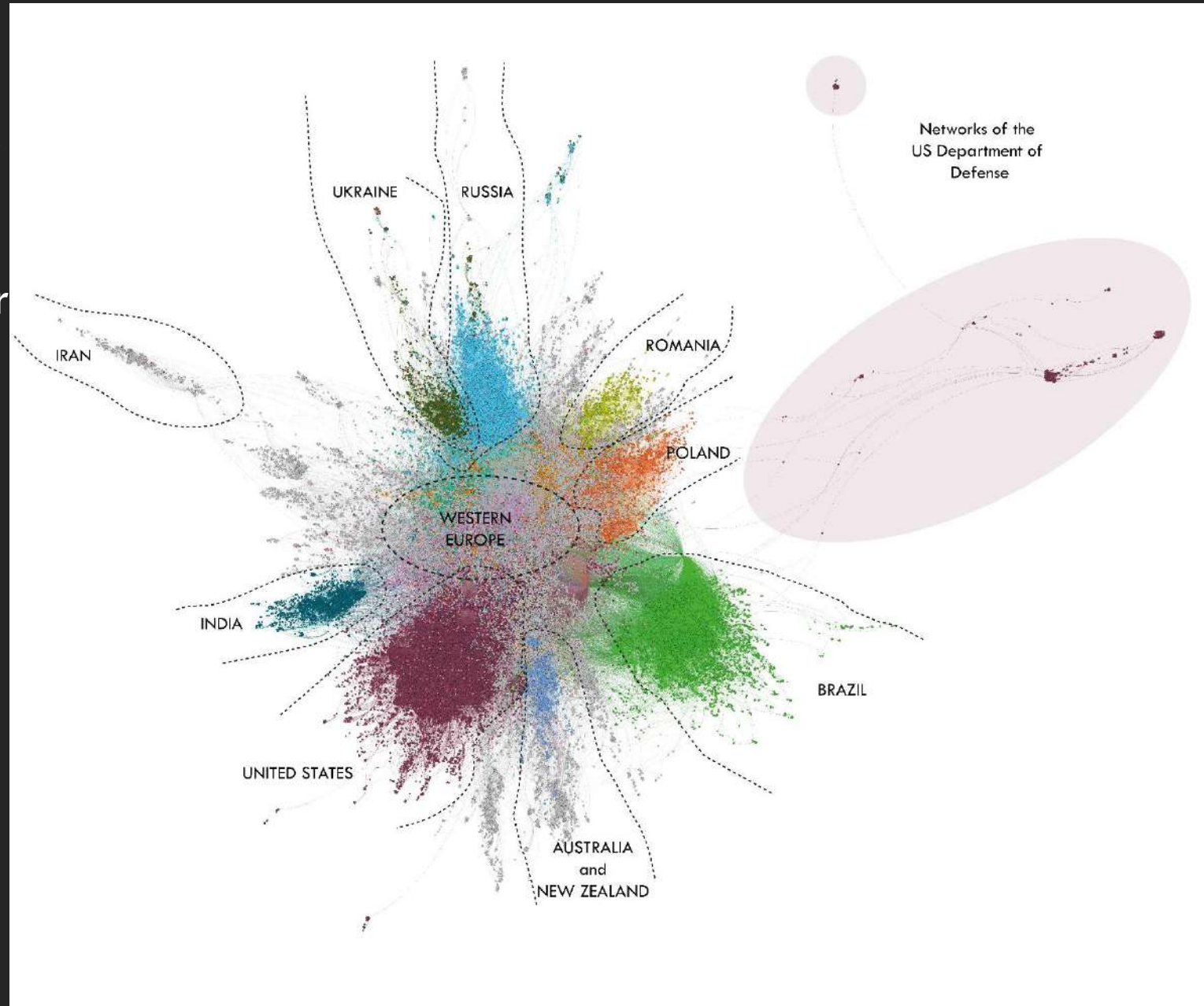
Mapping the Routes of the Internet for Geopolitics: Eastern Ukraine *or* How are RIPE data & tools useful for social sciences and geopolitics

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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



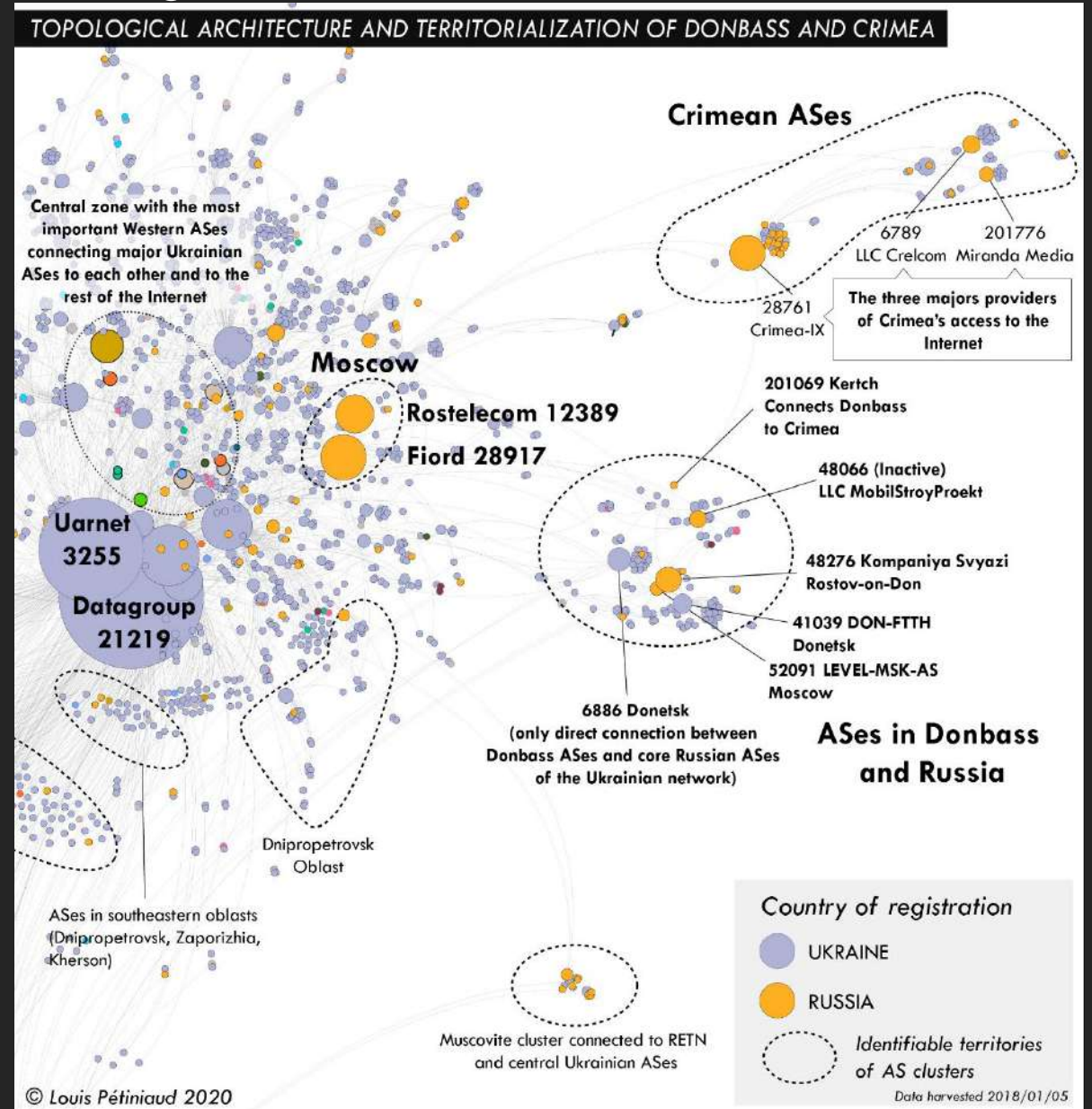
Mapping conflicts over cyberspace using RIPE data and tools

- Traceroutes suggest the outbreak of a “digital” border or frontline
- Data from RIPE Atlas measurements



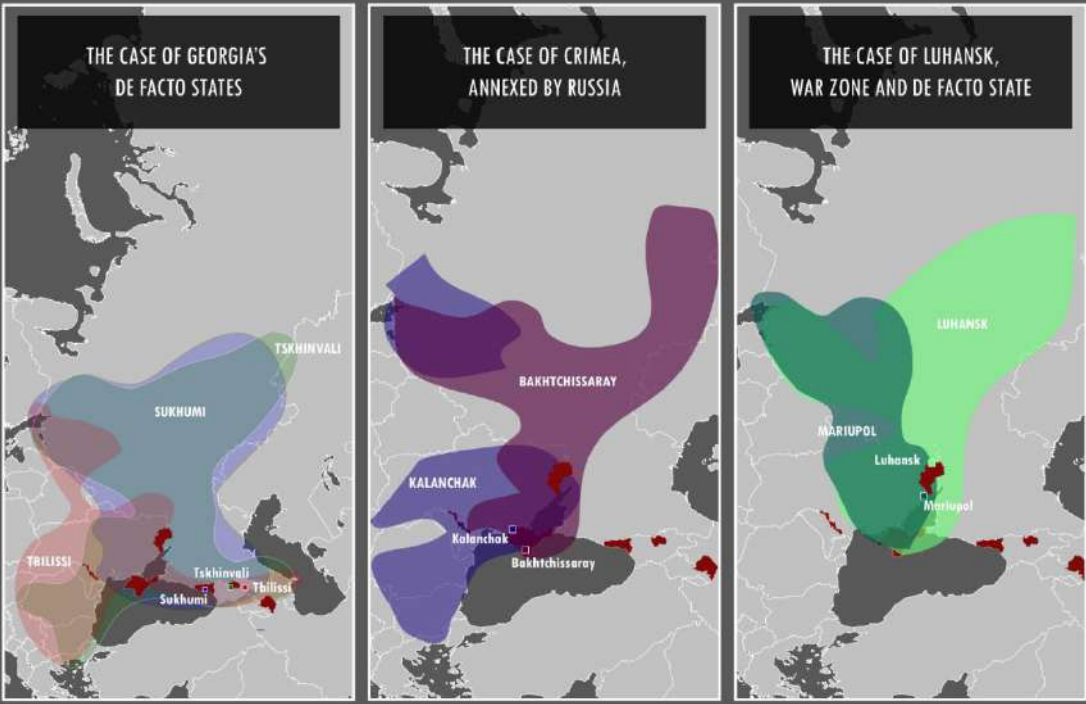
Mapping conflicts over cyberspace using RIPE data and tools

- 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



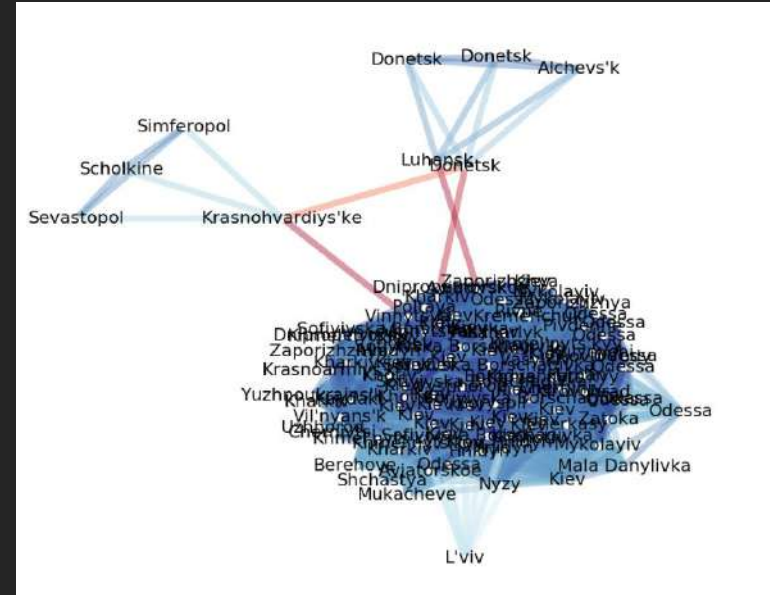
Exploring other types of Internet mapping visualizations

PRIVILEGED ZONES OF ACCESS FROM AND NEAR DISPUTED TERRITORIES IN THE POST-SOVIET SPACE



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



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

