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Spatial and Temporal Trajectories of Southeast European Avant-garde

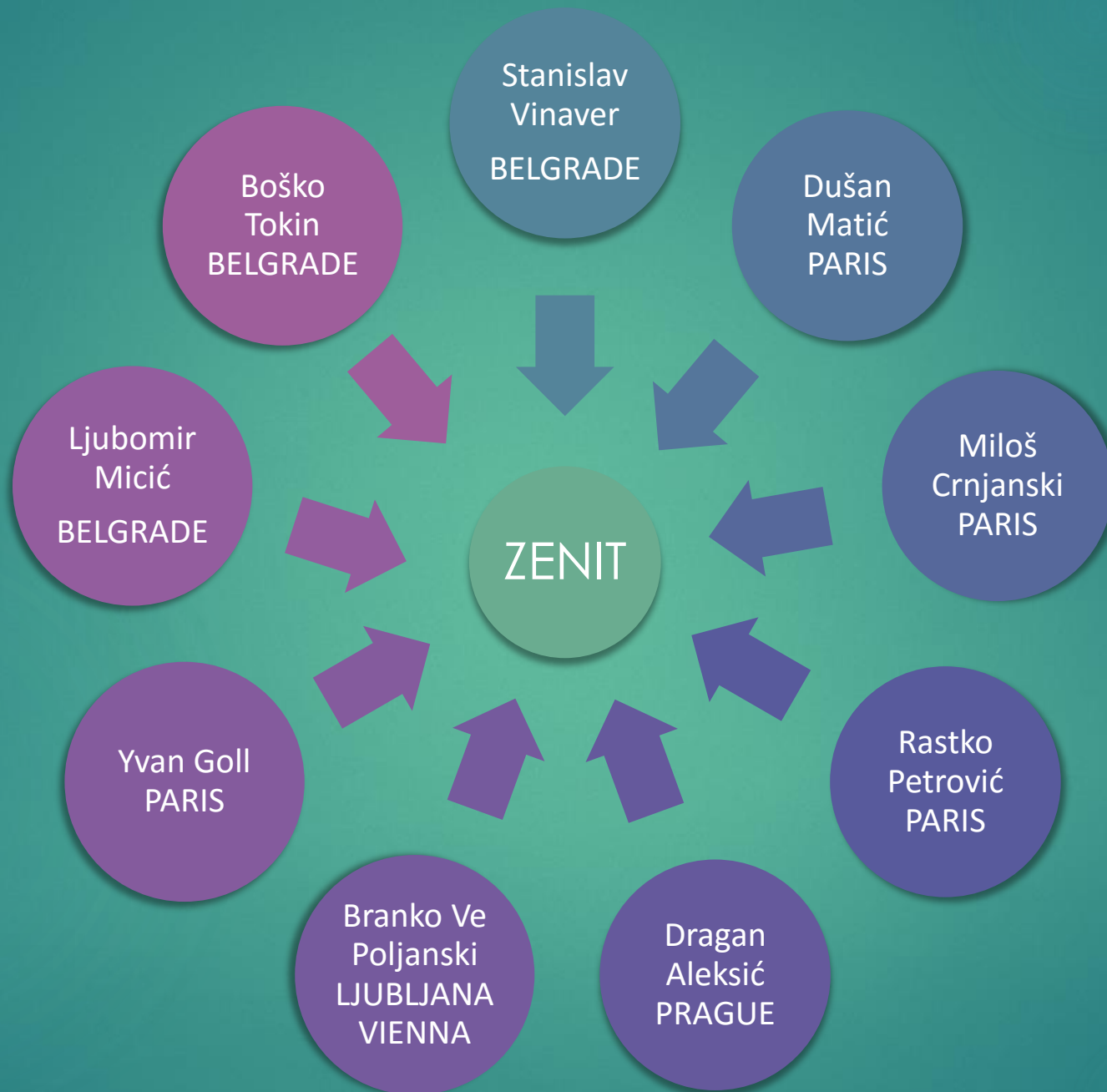
Avant-garde Migrations
Gulbenkian Foundation, Lisbon
November 19-21, 2015

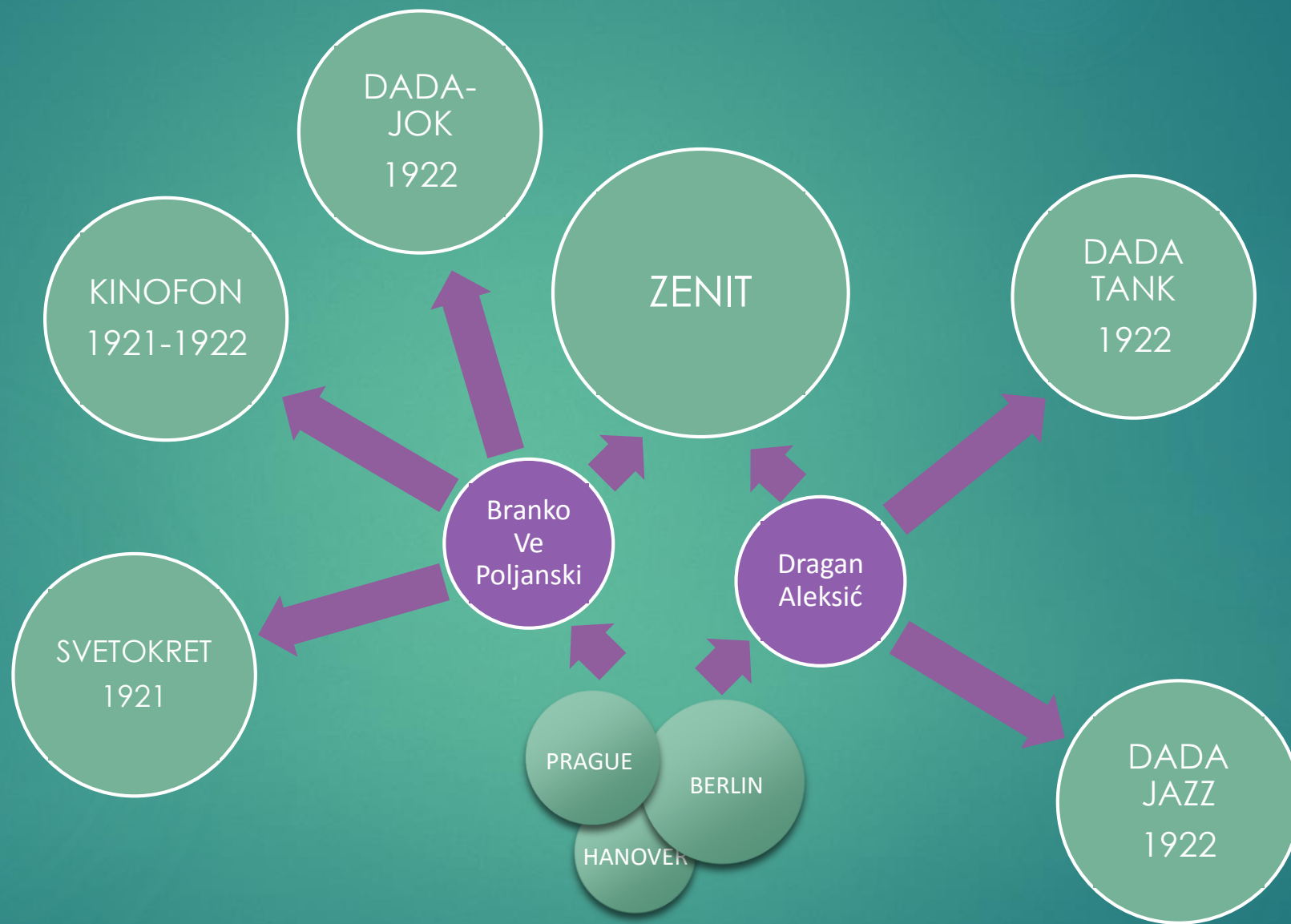
Supported by the Croatian Science Foundation





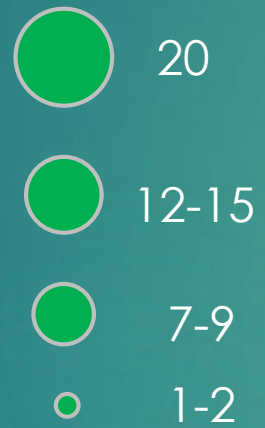
Number and locations of Croatian avant-garde magazines 1900-1918



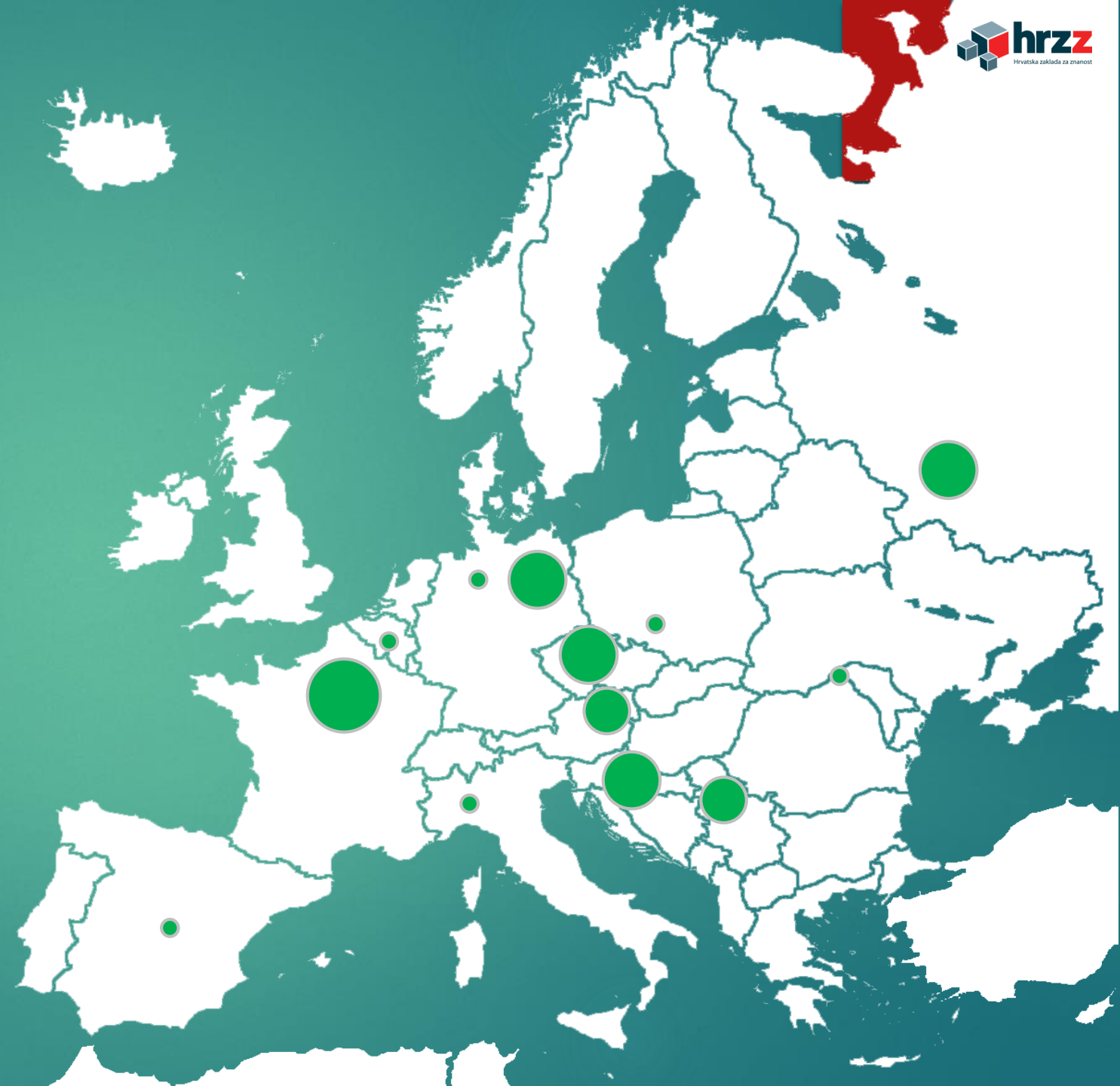


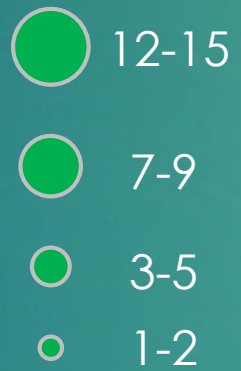


Number and location of avant-garde magazines in the Kingdom of Yugoslavia 1920-1926

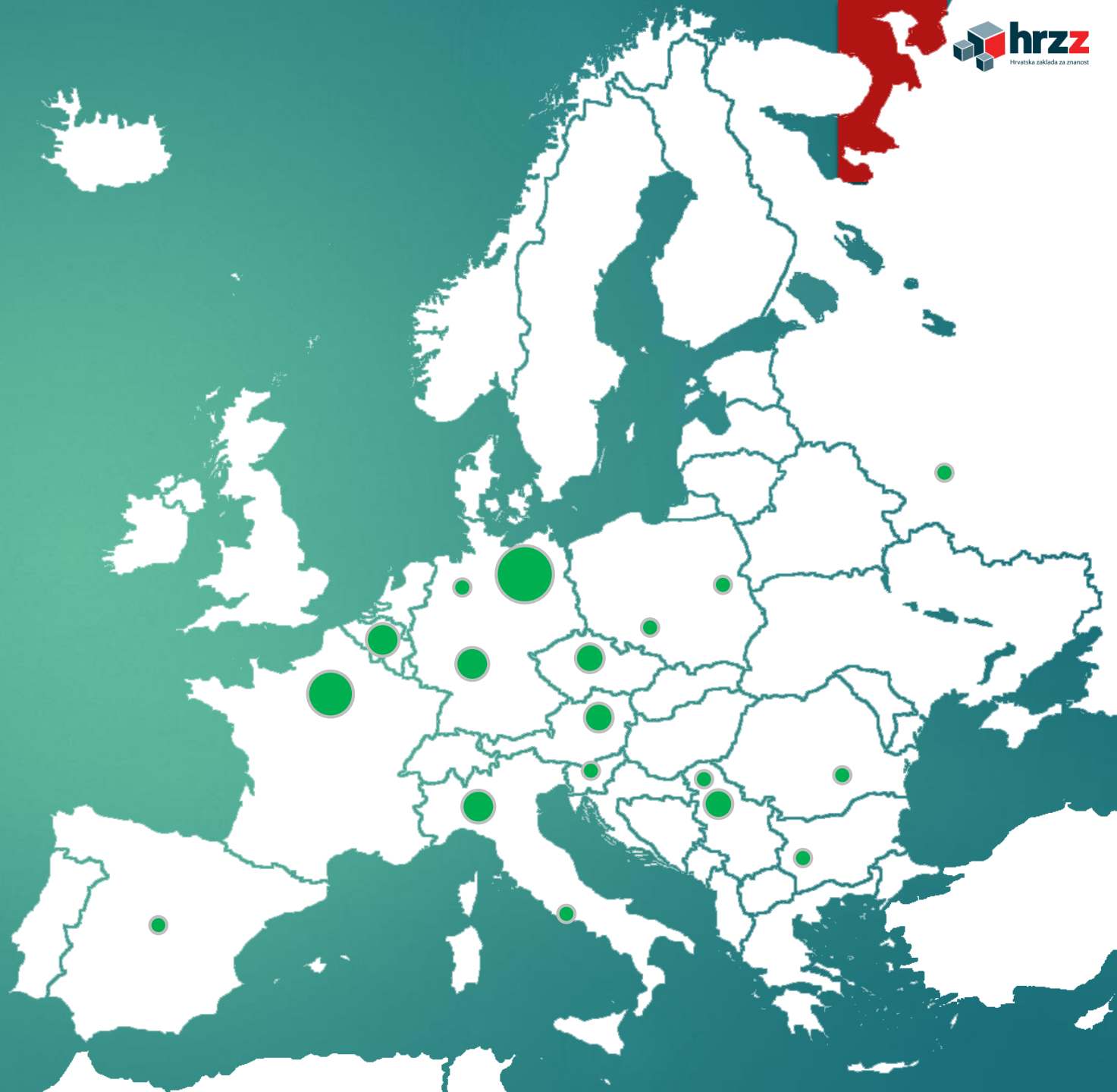


Spatial distribution of Zenit's contributors 1920-1922

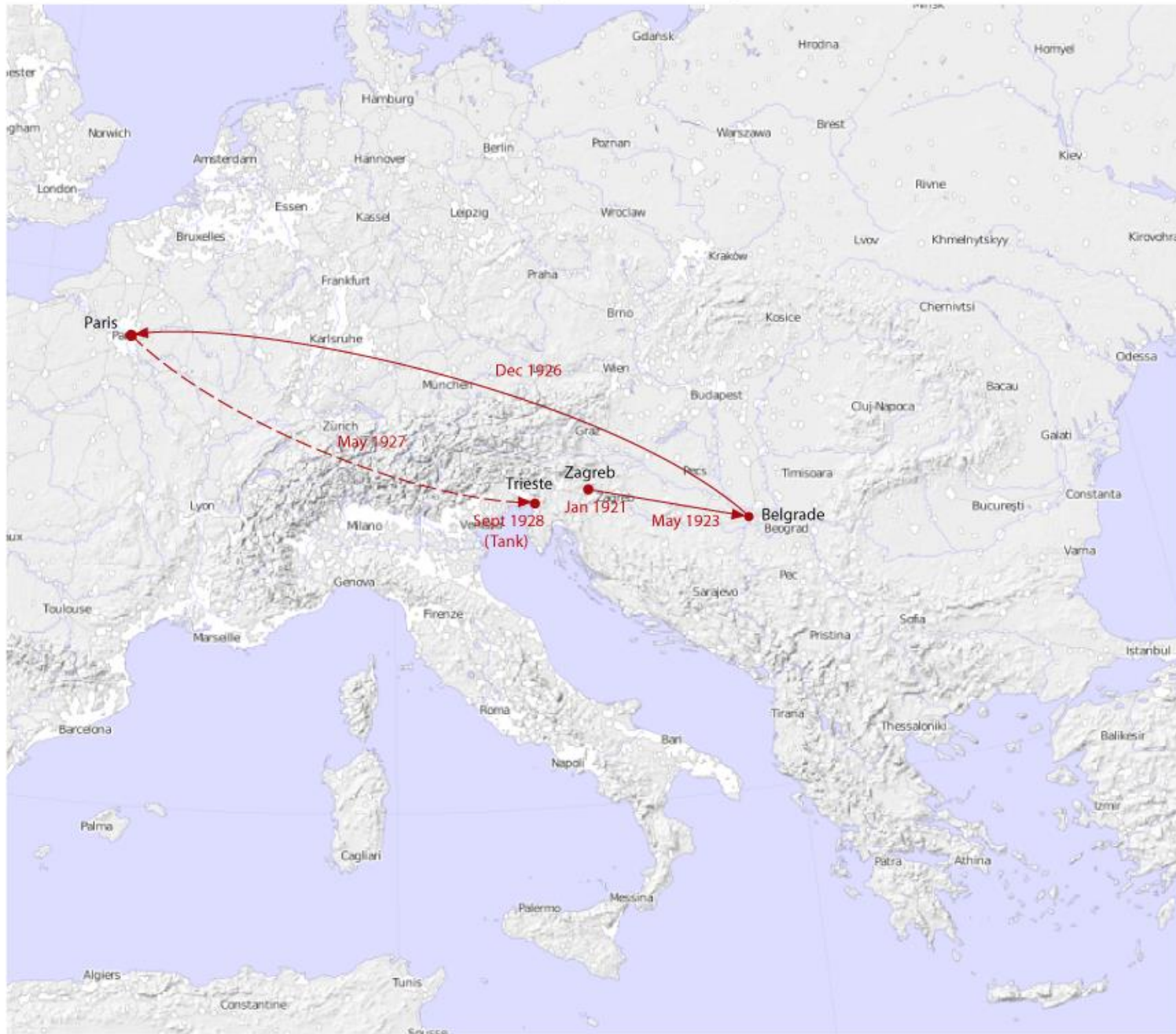




Spatial distribution of Zenit's contributors- 1923-1926



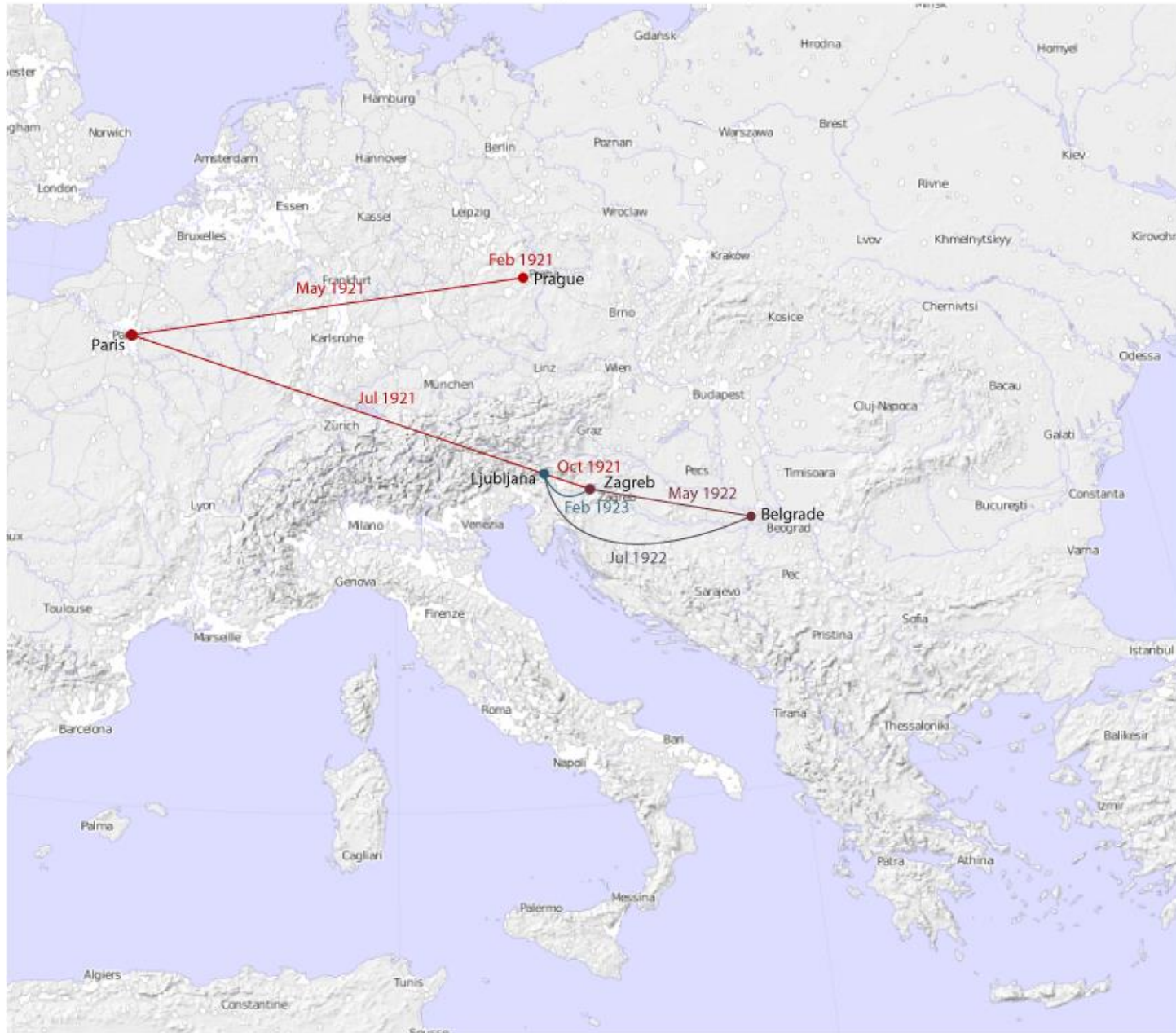
The space-time trajectory of Zenit magazine



Spatiotemporal trajectories are well-suited for data filtering based on:

- 1) Space (zooming and panning the view)
- 2) Time (temporal filtering)
- 3) Other criteria (actor's affiliation with a certain art group, nationality, style, political engagement, etc.)

The space-time trajectory of Branko Poljanski

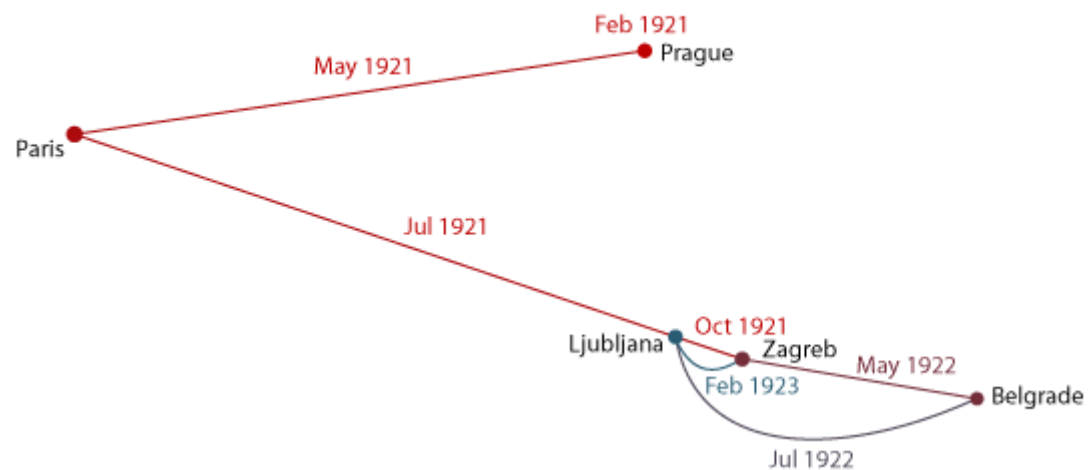


Jan 1921
Jul 1921
Jan 1922
Jul 1922
Jan 1923
Jul 1923

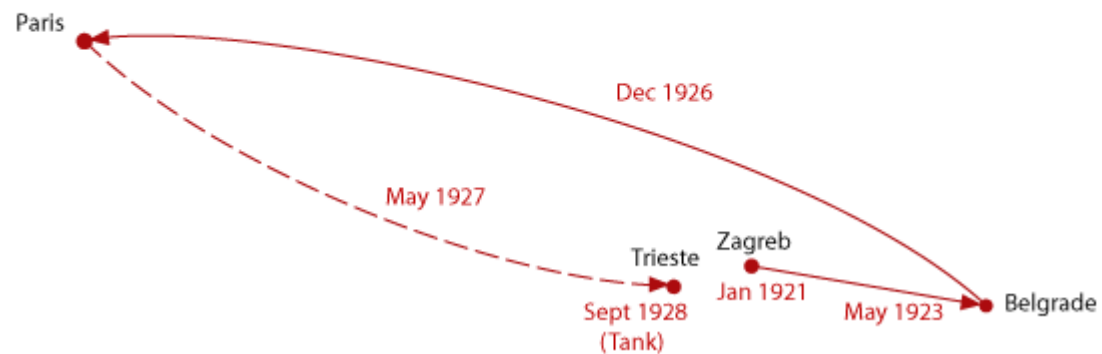


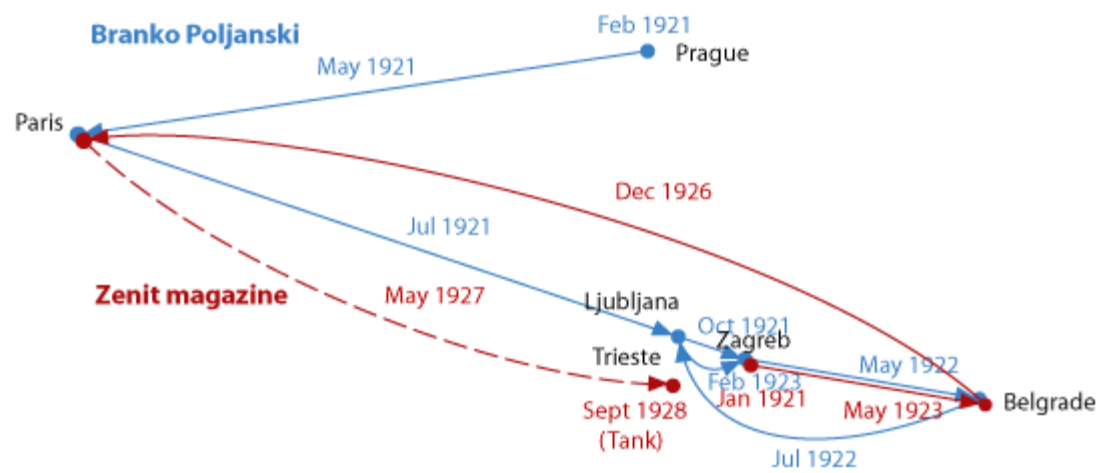
Structuring information into the CAN IS database allows generating trajectories like these and spark visual knowledge discovery

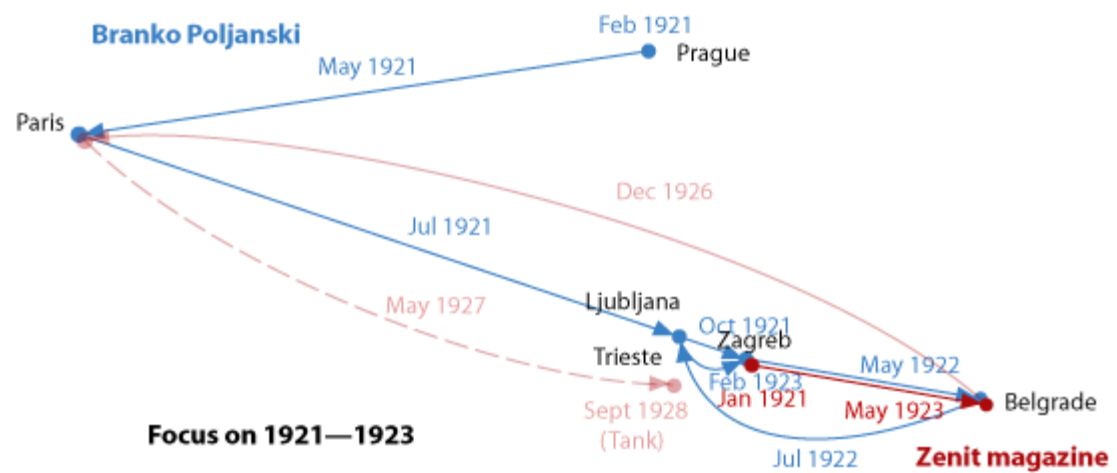
The space-time trajectory of Branko Poljanski



The space-time trajectory of Zenit magazine





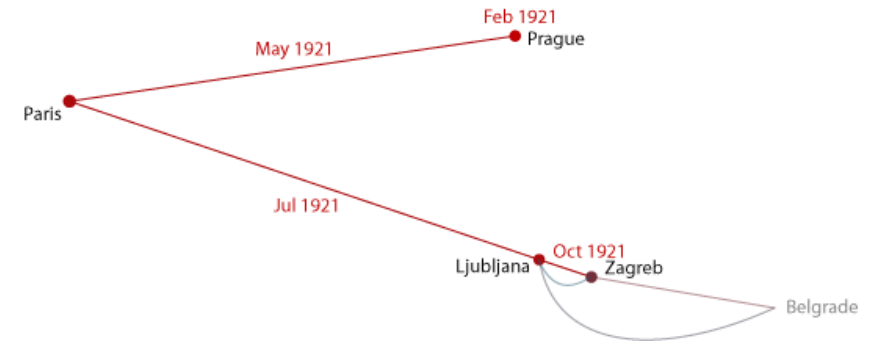


Focus plus context on the trajectories

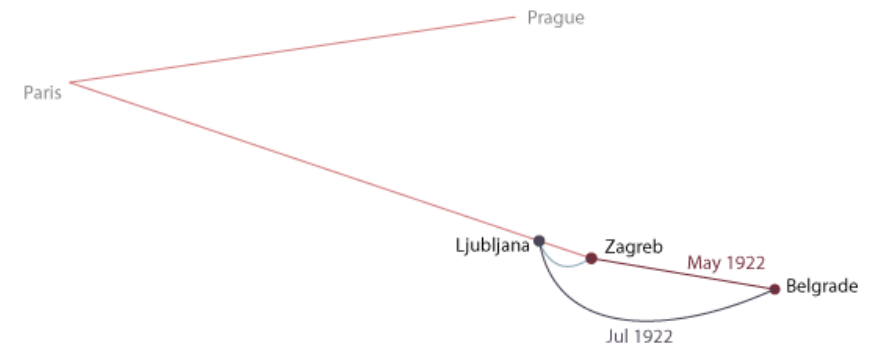
The focus-plus-context visualization metaphor applied to the spatiotemporal trajectories enables the user to emphasize a certain smaller period (**focus**), but also be aware of the whole period (**context**).

This can be done by retaining an opaque trajectory of the whole period of the actor's movement in time.

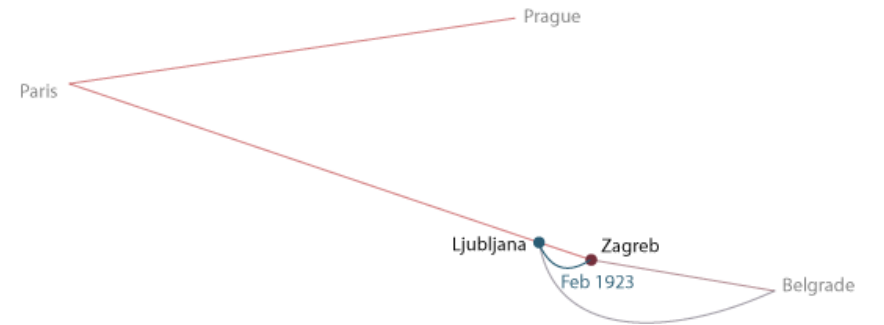
The space-time trajectory of Branko Poljanski—1921



The space-time trajectory of Branko Poljanski—1922



The space-time trajectory of Branko Poljanski—1923



Incentives to use spatio-temporal trajectories

- 1) To confirm existing knowledge and develop new hypotheses on the interaction among network actors and about the networks' dynamics
- 2) To create a comprehensive overview on artists network dynamics
- 3) To understand and describe patterns in network dynamics



Thank you!

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