



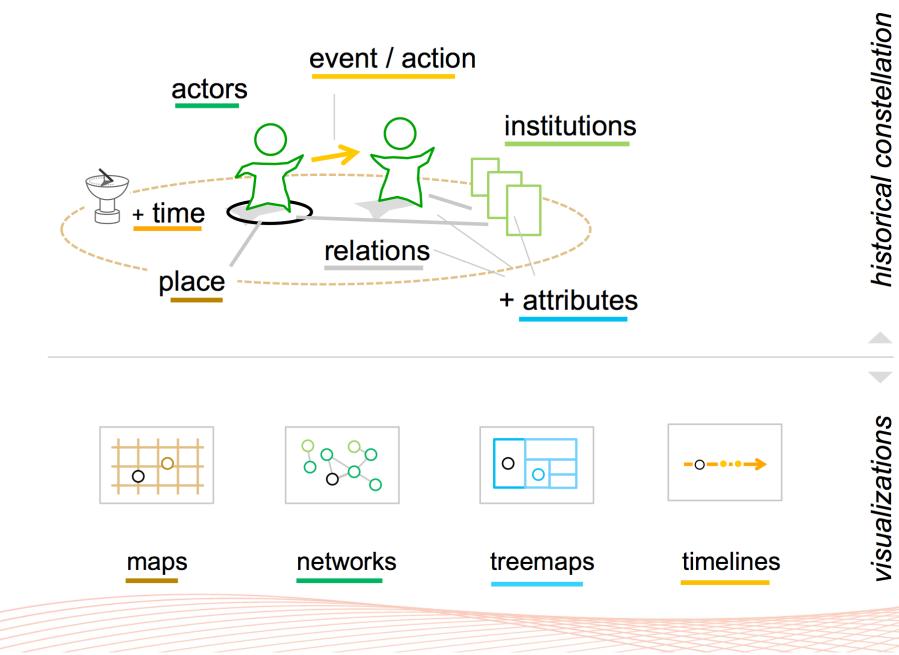


A Synoptic Visualization Framework for the Multi-Perspective Study of **Biography and Prosopography Data** 

Florian Windhager, Paolo Federico, Saminu Salisu, Matthias Schlögl, Eva Mayr

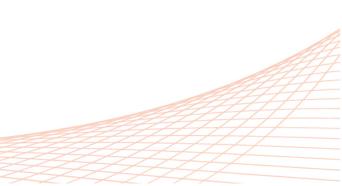


# **Biographical and Prosopographical Data and Views**









How do we move from 'Split Attention' Interfaces to a Systematic Support of Cognitive Information Integration?



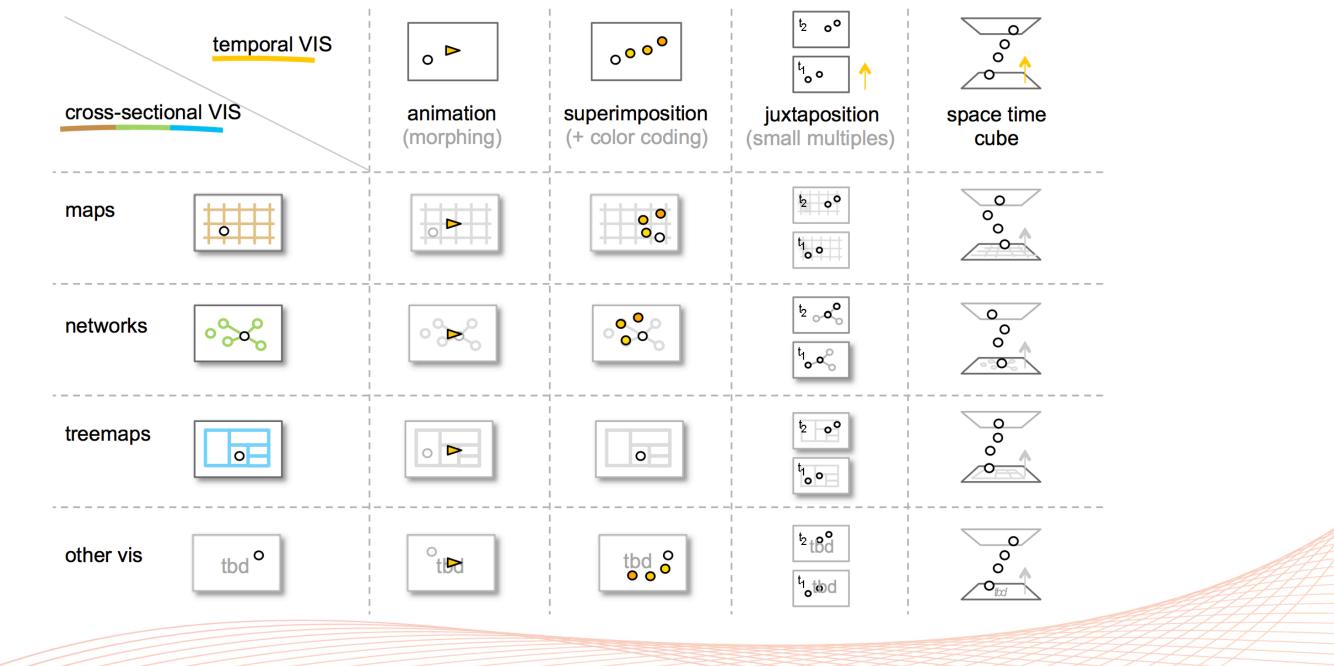
# **Biographical and Prosopographical Perspectives**

- Temporal
  - diachronic, longitudinal, dynamic, time-oriented
- Cross-sectional
  - synchronic, structural, spatial, non-temporal

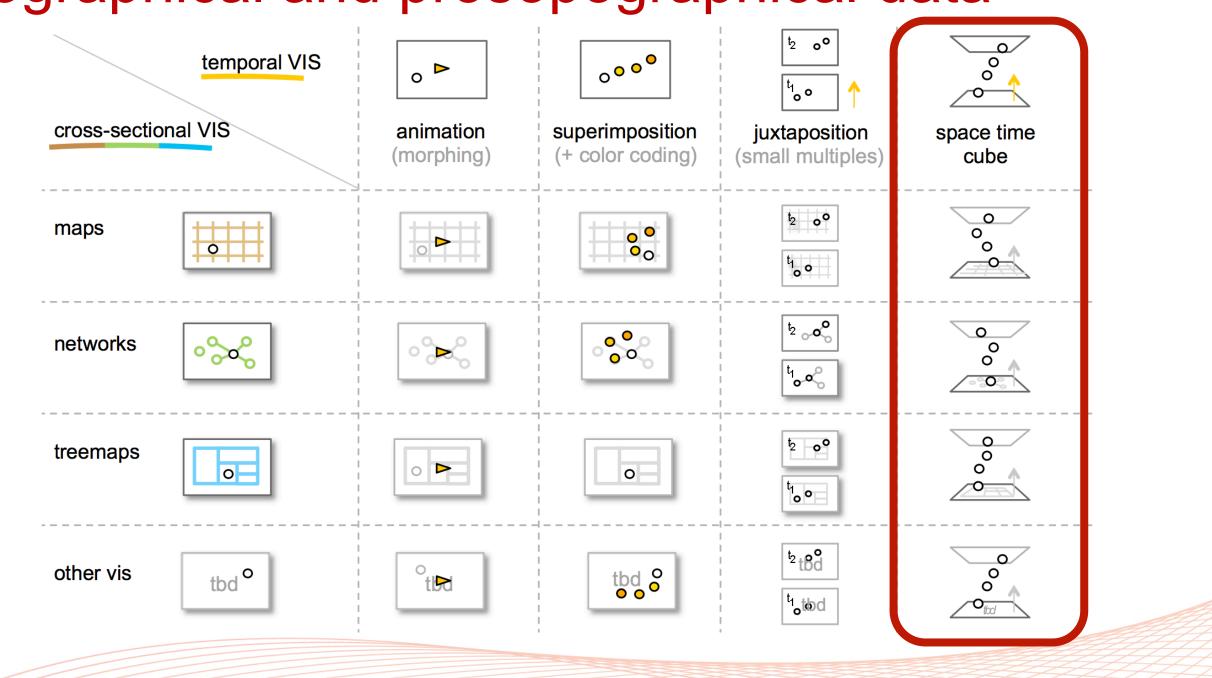




# Matrix of temporal and cross-sectional VIS methods for biographical and prosopographical data

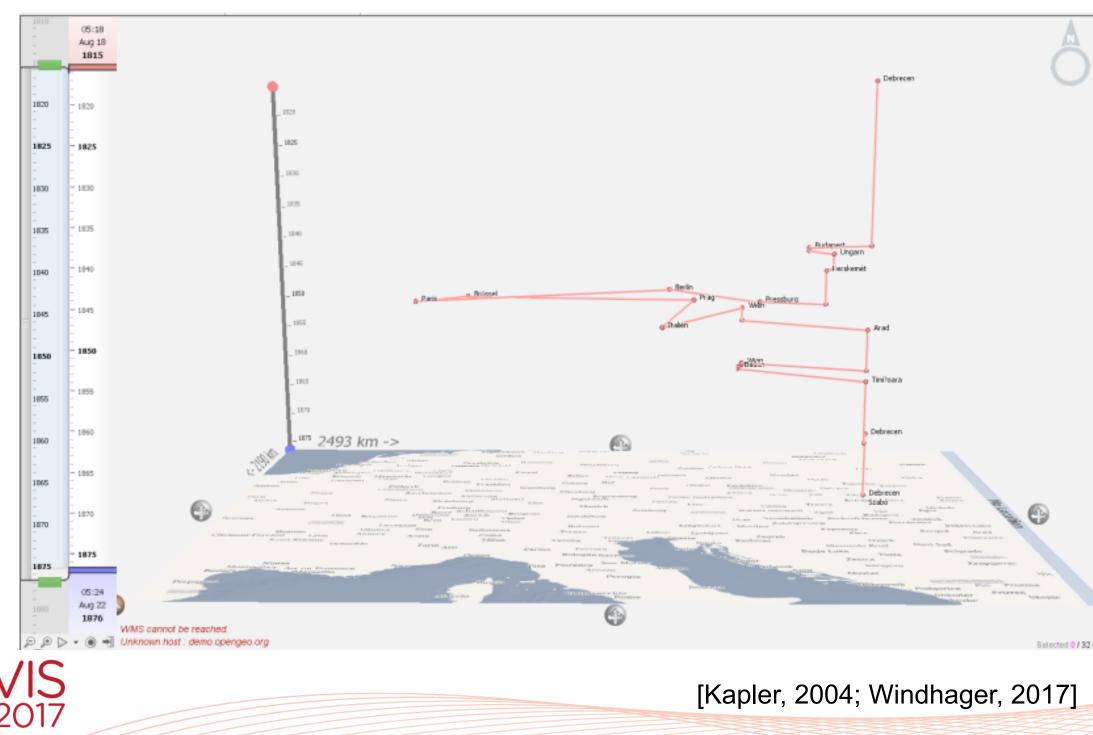


# Space-time cube for biographical and prosopographical data

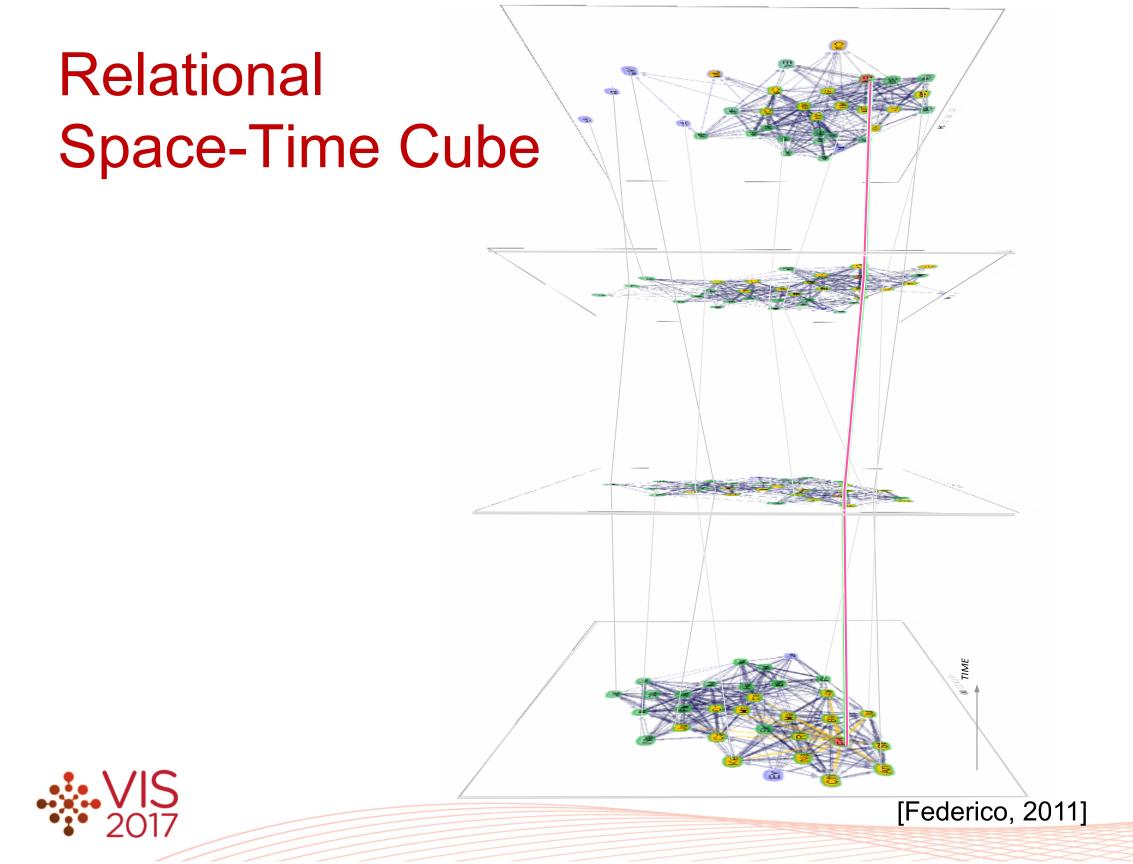




### Geographic Space-Time Cube

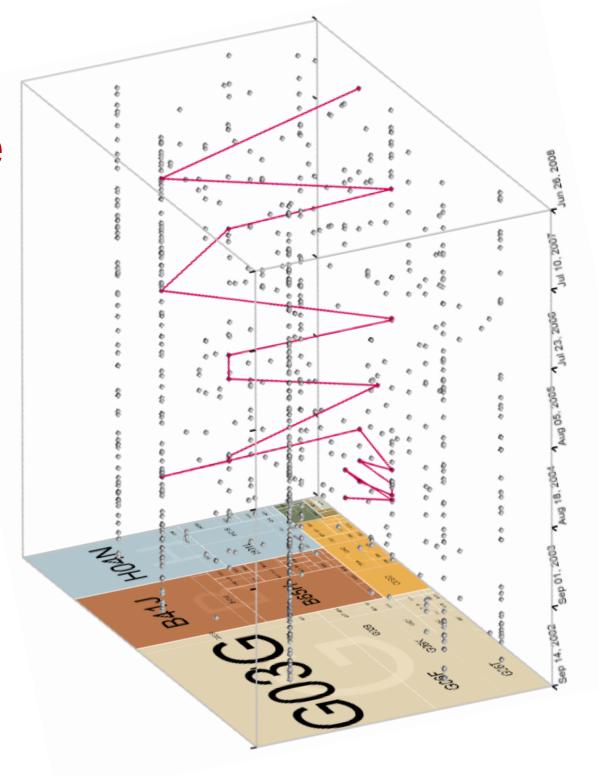


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	Event Size 🔄 Invert
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	▼ Entities
	Visible Visible
	🗹 Labels 📃 Icons
	Shadows
	▼ Locations
	🔄 Labels
	Center events within regions in:
	[No Aggregation] +
	Tenporal Axes
	Off Few More All
	▼ Annotations
	Analytics Connectors
	▼ Mapping
	📝 Visible
	▼ Map Features
	Shapes and Text
	Vent Regions
	* Other
	V Hide Events without location info
	Lock Locations and Map Features
events	





# Categorial Space-Time Cube

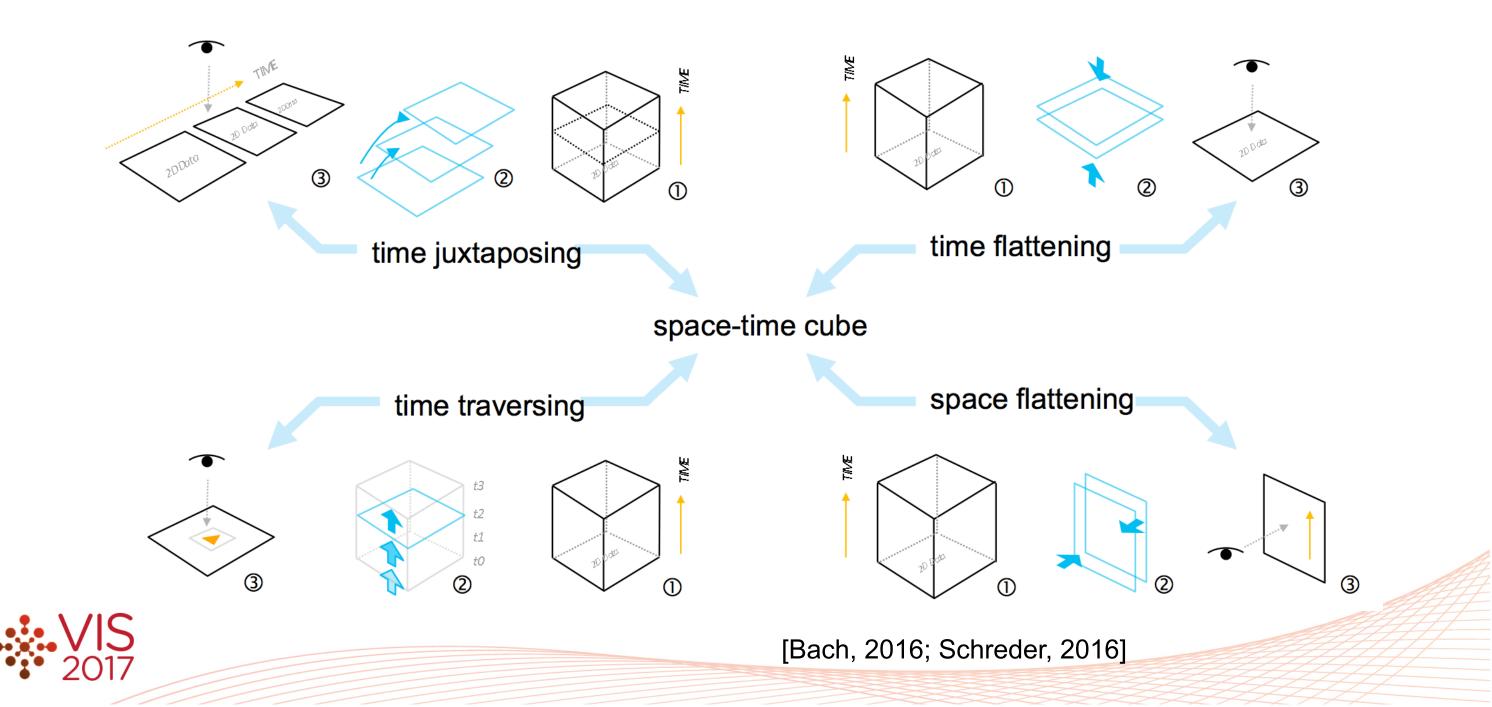




[Smuc, 2015]

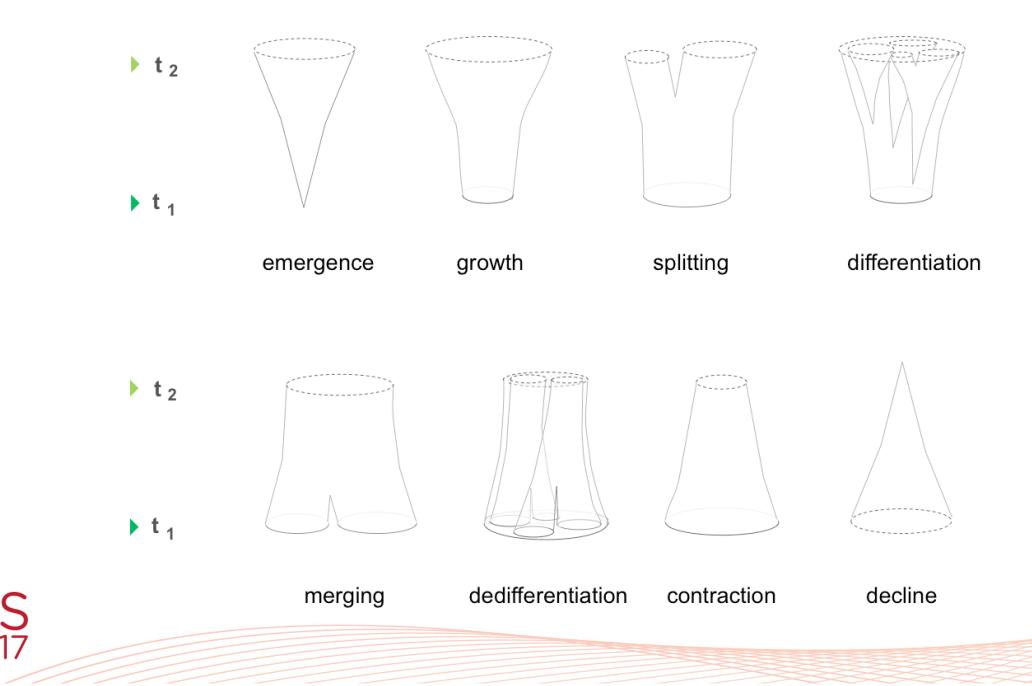


#### Mediating Multiple Cross-Sectional and Temporal Views





### From Biographical to Prosopographical Data





## Linking Multiple Space-Time Cubes

