

The Role of Governance Networks in the Implementation of a Curriculum Reform in Switzerland

Context

- new curriculum in Switzerland for media education and informatics (M&I)
- implementation of M&I differs in each of the 21 german-speaking cantons (states)

Theory

- the educational governance perspective sees public schools as multi-leveled systems with a variety of actors interacting with each other (Rürup & Bormann, 2013)
- individual actors and groups have their own interests and dependencies that shape the policy making and implementation process (Bovens et al., 2014)
- Social Network Analysis (SNA) offers tools to examine relationships and structural features of policy networks (Carolan 2014)

Sources

Literature:
Bastian, M., Heymann, S. & Jacomy, M. (2017). Gephi. An open source software for exploring and manipulating networks (Version 0.9.2). Available at <https://gephi.org/>
Bovens, M., Goodin, R. E., Schillemans, T. & Gailmard, S. (2014). Accountability and Principal-Agent Theory. In M. Bovens, R. E. Goodin & T. Schillemans (Ed.), *The Oxford Handbook of Public Accountability*. Oxford University Press.
Carolan, B. V. (2014). *Social Network Analysis and Education. Theory, Methods & Applications*. Thousand Oaks: SAGE.
Rürup, M. & Bormann, I. (Ed.). (2013). *Innovationen im Bildungswesen. Analytische Zugänge und empirische Befunde*. Wiesbaden: Springer.

Research question

Are there peculiar patterns among the cantons and how can we explain these patterns in terms of collaboration and educational governance?

Research goals

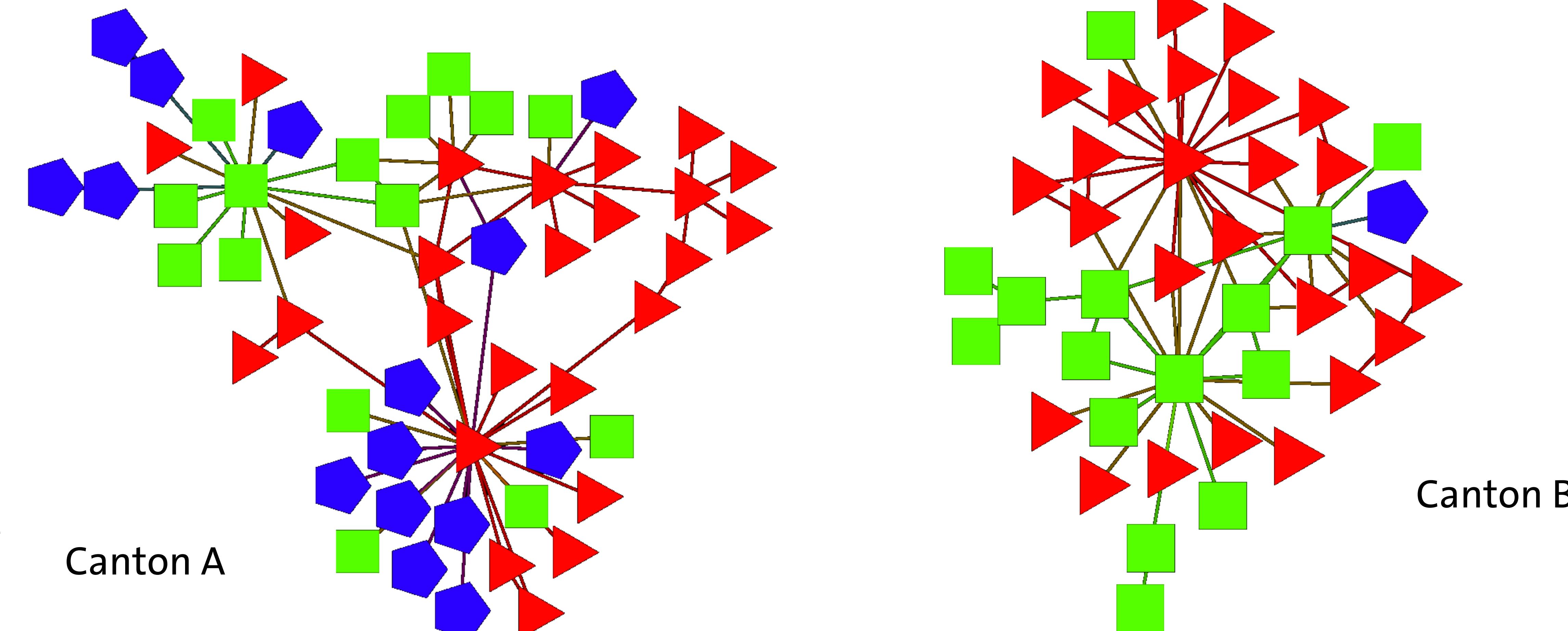
- identify actors in the field of national and cantonal education policy
- gather information on the local implementation process from a variety of actors
- identify policy networks and peculiar patterns

Method

- sample of six cantons with a similar timeframe of the curriculum implementation
- expert interviews with 5 national and 25 cantonal experts
- experts were asked who they work together with and how they are connected on a national and cantonal scale
- analysis of key documents from the six cantons
- creation and examination of the national and cantonal networks with Gephi (Bastian et al., 2017)

Findings

- reported connections include a wide range of types of actors (see graph):
 - cantonal authorities
 - ▶ teacher education institutions
 - ▷ school-external organisations
- cantonal governance networks differ in the number and type of actors and degree of connectivity
- a certain pattern can be seen in implementation-driving cantons (e.g. well-connected cantonal authorities, strong relation with teacher education institutions)



FURTHER INFORMATION AND SOURCES
You can find further information under reformatwork.ch

Literature

- Bastian, M., Heymann, S. & Jacomy, M. (2017). Gephi. An open source software for exploring and manipulating networks (Version 0.9.2) [Computer software]. Verfügbar unter <https://gephi.org/>
- Bovens, M., Goodin, R. E., Schillemans, T. & Gailmard, S. (2014). Accountability and Principal-Agent Theory. In M. Bovens, R. E. Goodin & T. Schillemans (Hrsg.), *The Oxford Handbook of Public Accountability*. Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780199641253.013.0016>
- Carolan, B. V. (2014). *Social Network Analysis and Education. Theory, Methods & Applications*. Thousand Oaks: SAGE.
- Ferris, J. M. (1992). School-Based Decision Making: A Principal-Agent Perspective. *Educational Evaluation and Policy Analysis*, (4), 333–346. Zugriff am 12.03.2019.
- Froehlich, D. E., van Waes, S. & Schäfer, H. (2020). Linking Quantitative and Qualitative Network Approaches: A Review of Mixed Methods Social Network Analysis in Education Research. *Review of Research in Education*, 44(1), 244–268. <https://doi.org/10.3102/0091732X20903311>
- Junemann, C., Ball, S. J. & Santori, D. (2016). Joined-up Policy: Network Connectivity and Global Education Governance. In A. Verger, A. Green, B. Lingard & K. E. Mundy (Eds.), *The handbook of global education policy* (Handbook of global policy series, pp. 535–553). Chichester, Uk: John Wiley & Sons, Inc.
- Mayring, P. (2014). *Qualitative Content Analysis. Theoretical Foundation, Basic Procedures and Software Solution*. Klagenfurt: Beltz.
- Niederberger. (2015). *Methoden der Experten- und Stakeholdereinbindung in der sozialwissenschaftlichen Forschung*. Wiesbaden: Springer.
- Rürup, M. & Bormann, I. (Hrsg.). (2013). *Innovationen im Bildungswesen. Analytische Zugänge und empirische Befunde*. Wiesbaden: Springer.
- Sørensen, E. & Torfing, J. (2009). MAKING GOVERNANCE NETWORKS EFFECTIVE AND DEMOCRATIC THROUGH METAGOVERNANCE. *Public Administration*, 87(2), 234–258. <https://doi.org/10.1111/j.1467-9299.2009.01753.x>
- UNESCO. (2016). *Education 2030: Incheon Declaration and Framework for Action for the implementation of Sustainable Development Goal 4*. UNESCO. Zugriff am 24.09.2020.