

* Information & Software Engineering Group
Institute of Software Technology and Interactive Systems
Vienna University of Technology
Favoritenstrasse 9–11/188,
1040 Vienna, Austria

** Public Finance & Infrastructure Policy Group
Department of Spatial Development, Infrastructure, and Environmental Planning
Vienna University of Technology
Augasse 2–6,
1090 Vienna, Austria

Elmar KIESLING*, A Min TJOA*, Fajar J. EKAPUTRA*, Ulrike HERBIG**

A Linked Data Platform for Trans-disciplinary Research on the Transformation of Traditional Architecture in Indonesia

Abstract

Traditional Indonesian architecture provides rich opportunities for trans-disciplinary research, integrating the heterogeneous perspectives, terminology, theoretical frameworks, and research methodologies of various disciplines. The trans-disciplinary research projects envisioned in the Tra2in initiative necessitate technical means for sharing data in a meaningful manner, adequate data management practices, new collaborative models, and a change in research culture. This position paper proposes a Linked Open Data approach towards building a data infrastructure that supports trans-disciplinary research. In particular, we outline the high-level vision for a Linked Data infrastructure that will lay the foundations for innovative models of collaborative research in the domain of traditional Indonesian architecture and beyond.

Keywords: Linked Open Data, Trans-disciplinary research, Research Data Management, Digital humanities, Open Science