

Digitizing Infrastructures: A Dialogue on Approaches in the AEC Industry and Academia

December 1, 2023

International Institute of Social History,
Amsterdam

Spinhuis Room 2.18 Oudezijds Achterburgwal 185



Symposium program

13:00 Welcome and Introduction: Hilde De Weerd (KU Leuven)

13:15-14:15

Session 1: Ontologies and Modelling Standards: Chair Sander Stolk (Semtech)

Wouter Lubbers (Semtech): Standardized Methodologies and Ontologies as a Driver for Digitization:

Adopting Systems Engineering Principles and NEN2660 for Representing Infrastructure Assets

Alexander Worp (Waternet): Using Ontologies in Integrating Asset information on infrastructure

Bart Holterman (Georg-August University Göttingen): The Modelling Principles of the Viabundus Dataset

Hilde De Weerd and Dawn Zhuang (KU Leuven) : An Event-based History of Chinese Material Infrastructures: An Ontology and a Plan for Open Data Enrichment

Esra Bektas (TNO): Modelling Multi-Criteria to Enable Decision Making for Infrastructure

14:15-14:45 Roundtable Discussion

14:45-15:10 Break

15:10-16:00

Session 2: Analysis and Visualization: Chair Taylor Zaneri (IISH)

Jaap Bakker (Rijkswaterstaat): Dealing with distributed data at Rijkswaterstaat

Pau de Soto, Tom Brughmans and Adam Pazout (Universitat Autònoma de Barcelona): Understanding Past Territories Through Their Transportation Networks: The Case of the Roman Empire

Richard Zijdeman (IISH): Unifying and Augmenting (Data) Collections Metadata as Linked Open Data Using Commercial and Community Software

Stephen Gadd (Docuracy Ltd): Markets and Roads in Early Modern England: a World Historical Perspective

16:00-16:30 Roundtable Discussion

16:30 Concluding Remarks

