



BMDV-Workshop series
“Data Innovations for Smart Mobility in Europe”

Workshop No. 6:

Data-based innovations for Building Information
Modeling and digital twins in infrastructure planning,
construction and maintenance

Date: Thursday, 20 January 2022
Time: 09.30 – 12.00 h (CET)

Location: Virtual Room (Zoom)
[log-in details will be sent prior to the event]

Programme

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- 09.30 Welcome and thematic orientation - Federal Ministry for Digital and Transport
Sarah Schmelzer, DG 21, Federal Ministry for Digital and Transport (BMDV)
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- 09.35 Thematic key note – Information use for data-centric asset management decision making
Nicola Moretti, Centre for Digital Built Britain, University of Cambridge / UK
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- 09.50 Project pitches, interventions and discussions
- ZEKISS (mFUND) – Condition assessment of railway bridges and vehicles with AI methods for the evaluation of sensor data and structural dynamics models
Jens Schneider, TU-Darmstadt / Germany
 - Aura Digital Twin (Finland) – Aura Digital Twin, concrete cases for cities
Damien De Maya, Digital Solutions, Sitowise / Finland
 - TWISCO (Luxemburg) – Digital TWIn for Construction Supply Chain Optimisation
Fabrice Berroir, Luxembourg Institute of Science and Technology / Luxemburg
 - BEYOND (mFUND) – AI-based optimization in the early design phases of buildings using the analysis of pedestrian flows in intelligent building models
Jimmy Abualdenien, Technische Universität München / Germany
 - CoDEC (CEDR project) – Connected Data for Effective Collaboration
Sukalpa Biswas, TRL / UK
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Exchange and Discussion

Moderation: Christian Schlosser, Head of Unit DG 25, BMDV

Marcia Giacomini, TÜV Rheinland Consulting

Interventions from participants and discussion, focussing on innovations options and how to scale up solutions generated by R&I projects

The Way Forward: Supporting BIM deployment in Europe through Harmonisation and Standardisation

How can we advance BIM Harmonisation, Standardisation and establish coherent Terminologies at European level? – current Initiatives and new ideas for debate

BMDV input, Interventions from participants, exchange and discussion

11.50 Wrap up and farewell

Christian Schlosser, BMDV

12.00 End of workshop 6
