



Programme workshop 'Digital Twins for National Mapping and Cadastral Agencies and other governmental organisations'

21 & 28 January 2022

First day 21st of January | 9:30 – 12:30 (CET)

9:30 Opening and welcome

9:45 - 10:45 National Digital Twin Programmes

- UK: [National Digital Twin programme overview](#), [Mark Enzer](#), Head of the National Digital Twin programme, [Miranda Sharp](#), Flex technical author, Director at Metis Digital
- [Smart Built Environment programme](#); Digital Twins in the Built Environment: Pre-study of Swedish Ongoing Activities and Future Recommendations, [Andreas Ask](#), E&A Development AB, Sweden
- NL: [National Digital Twin of the physical environment](#), [Jan Bruijn](#), Geonovum

10:45 - 11:15 Break

11:15 - 12:15 Digital Twin Activities by NMCAs

Presentations by NMCAs about their ongoing activities addressing the following questions:

- 1) What does the concept of Digital Twin mean for NMCAs?; What is the state-of-the-art?
- 2) What are your related activities?; What is your role in creating and maintaining DTs?; What activities are you exploiting to implement Digital Twins?
- 3) What further DT challenges and opportunities do you see for your organisation?

- Swisstopo, A decade of the 3D digital landscape model in Switzerland, [André Streilein](#)
- Kadaster, Digital Twin narrative at Kadaster, [Marcel Reuvers](#)
- OS GB, Digital Twins of national infrastructure, [Carsten Roensdorf](#)
- BKG Germany, Plans to become a “smart country”, Federal Agency for Cartography and Geodesy (BKG), implementation of a digital replica of Germany, [Patrick Knoefel](#)

12:30 Closure



Second day 28th of January | 9:30 – 12:45 (CET)

9:30 Welcome

9:45 Research on Digital Twins

- DAFNI – Data and Analytics Facility for National Infrastructure, [Liz Varga](#), UCL
- [Digital Twin Cities Centre Sweden](#), [Anders Logg](#)
- IGN: Creating Digital Twins of Cities: From Data Acquisition to 3D Modelling, [Bruno Vallet](#), IGN

10:45 Break

11:15 Digital Twin activities outside Europe

- Digital Twin related activities at the [Urban Analytics Lab](#), [Filip Biljecki](#), National University of Singapore
- [Project PLATEAU](#): The initiatives of Japanese Digital Twin, [Uchiyama Yuya](#), MLIT (Ministry of Land, Infrastructure, Transport and Tourism), and [Ishimaru Nobuhiro](#) (Open Geospatial Consortium CityGML Standards WG), Japan

12:00 Intermediate results of questionnaire & Interactive session

12:45 Closure

Last updated: 24 January 2022