

eurac
research



Co-funded by
the European Union



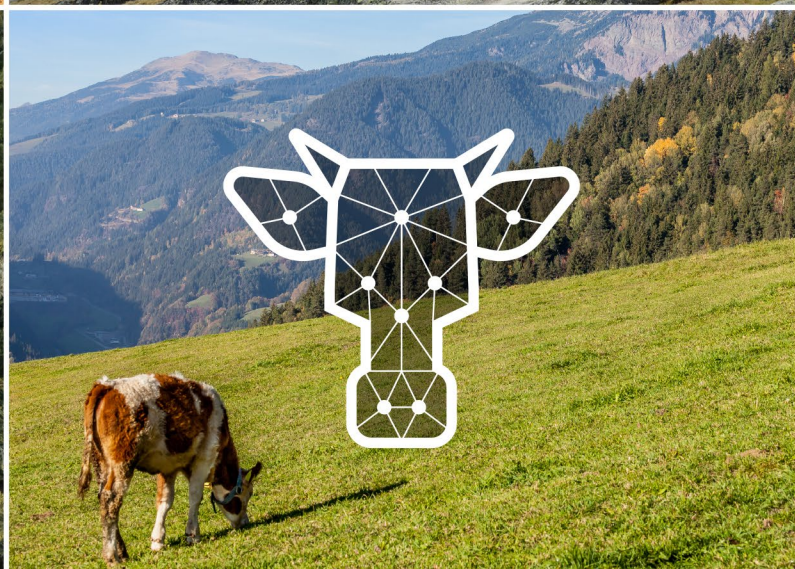
Autonome Provinz Bozen
Provincia autonoma di Bolzano
Provincia autonoma de Bolzano
SÜDTIROL · ALTO ADIGE

EnvironTwin

Webseminar

Digital Twin Innovations
for Environmental Sustainability

16.04.2026, 14:00–16:30



WORKSHOP

Program

- 14:00 Workshop opening: Agenda and Webseminar objectives
Dr. Roberto Mendicino, Eurac Research - Senior researcher at the Center for Sensing Solutions
- 14:05 Presentation of the FESR Project –EnvironTWIN
Roberto Monsorno, Eurac Research - Head of the Center for Sensing Solutions
- 14:15 SensorThings & FROST-Server, a core for sensor data management
Invited speaker Dr. Hylke van der Schaaf, Fraunhofer-Institut für Optronik, Systemtechnik und Bildauswertung IOSB - Researcher
- 14:45 Low cost Air Quality stations + open standard (OGC SensorThings) + open source (FROST and QGIS plugin for sensors) + open data (dati.comune.fe.it)
Invited speaker Piergiorgio Cipriano, Deda Next - Project Manager
- 15:15 Speech 1 - EnvironTWIN: Design of a digital twin architecture and its components
Simone Tritini - Eurac Research - Technician at the Center for Sensing Solutions
- 15:30 Speech 2 - Modelling virtual forests to support management under climate change: an example from the Venosta landscape
Mahtab Niknahad - Eurac Research - Junior researcher at the Center for Sensing Solutions
- 15:50 Speech 3 - Harvesting Sunlight Twice: A 3D Digital Twin of an Agrivoltaic Apple Orchard
Giovanni Borz - Eurac Research - Researcher at the Institute for Renewable Energy
- 16:10 Speech 4 - Exploiting PlanetScope data for mapping grassland management
Dierkes Henrike - Eurac Research - Junior researcher at the Institute for Earth Observation
- 16:30 Wrap up and closure

Join the meeting here:

<https://teams.microsoft.com/meet/338079306825785?p=BD58IGnLqxNfHHofKC>

Meeting ID: 338 079 306 825 785

Passcode: xw299Go7

EnvironTwin Project – Advancing Digital Twins for a Sustainable Environment This project is funded by ERDF call 2021-2027 for the creation and enhancement of high-quality research infrastructures

Contact

Eurac Research
Center for Sensing Solutions
sensing.solutions@eurac.edu