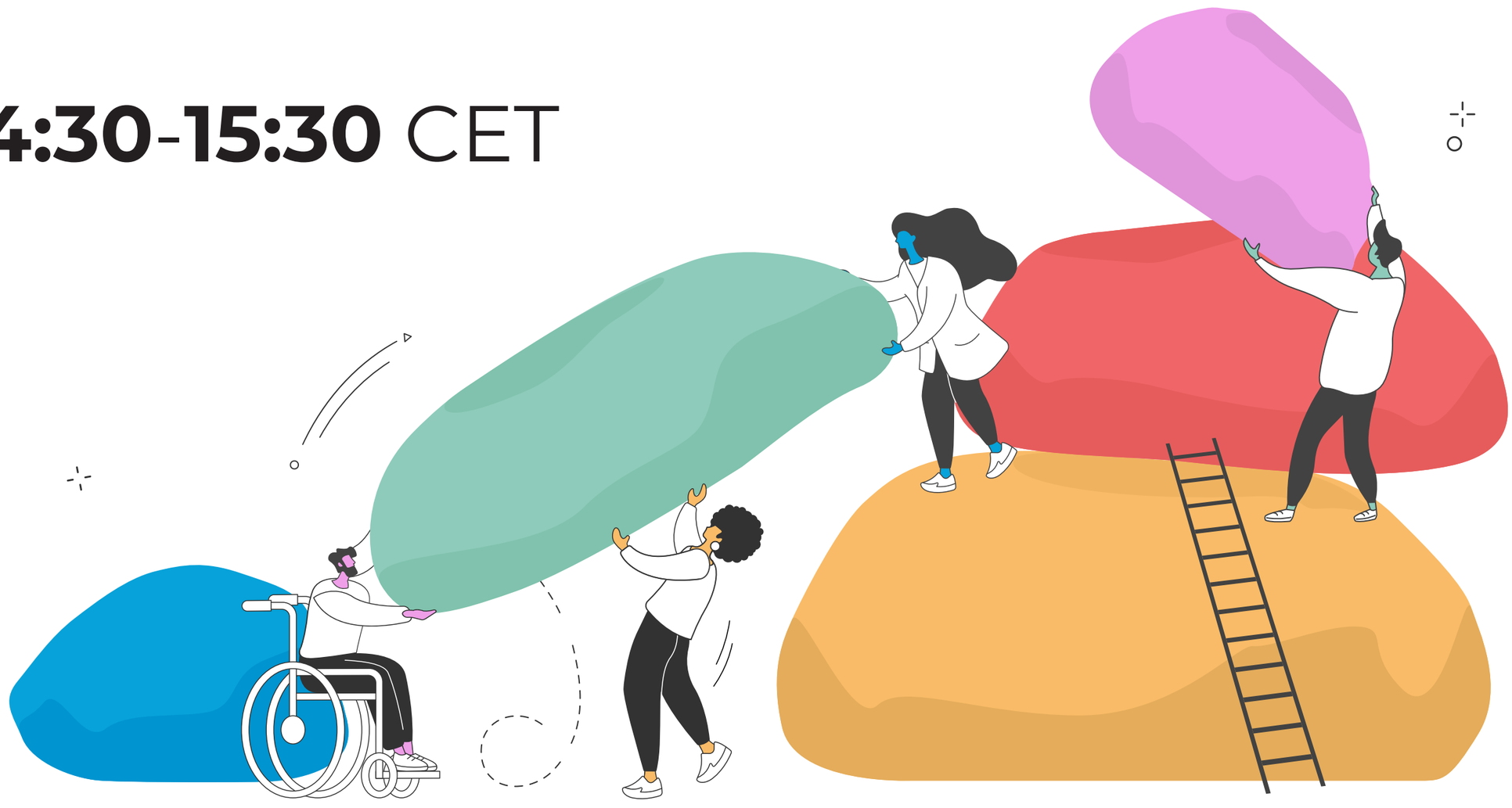
WHERE REMOTE WORK HAPPENS -

Spatial, regional and mobility impacts

22 April 2026

14:30-15:30 CET



SIMULATING THE SPATIAL AND ENVIRONMENTAL IMPACTS OF TELEWORKING: DESIGN OF DIFFERENT MODELING

This session presents our preliminary work on simulating the spatial and environmental impacts of teleworking scenarios using different types of modeling approaches: aggregated, agent-based, and hybrid travel demand modeling. We will demonstrate how the models reflect travel behavior in response to teleworking. The session will also showcase examples of environmental and health impacts and discuss future development of the various simulation frameworks.

Dr. Qin Zhang

Deputy Professor at the
Professorship of Travel Behavior,
Technical University of Munich

She is an experienced researcher in pedestrian travel behavior and travel demand modeling. Her expertise includes agent-based modeling, pedestrian modeling, and environmental and health impact assessment.

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Wei-Chieh Huang

Doctoral Student at the
Professorship of Travel Behavior,
Technical University of Munich

Focusing on travel behavior and transportation equity, his research examines whether telework can promote gender-equal activity participation patterns and more active travel between partners in coupled households.

REMOTE WORK AND THE REBALANCING OF METROPOLITAN AND INNER AREAS: RESULTS FROM A SURVEY ON 6 EU COUNTRIES

They will present a large-scale online survey involving over 14,000 participants across six countries (Italy, Germany, Ireland, the Czech Republic, Greece, and Portugal).

Patrizia Leone

Sociologist, Research Advisor and Project Manager in Development Projects, co-coordinator of the REMAKING project

Her research interests focus on Territorial Sociology, Urban Studies, Mobility and Gender.

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Professor Marco Rodolfo Di Tommaso

University of Bologna,
REMAKING Project Coordinator

His research interests include applied economics, industrial policy, regional and territorial studies, business organization.

THE R-MAP VISUALIZATION PLATFORM: AN INTERACTIVE PLATFORM THAT VISUALIZES REGIONAL PATTERNS AND SPATIAL IMPACTS OF REMOTE WORK TO SUPPORT EVIDENCE-BASED EXPLORATION AND COMPARISON

The presentation focuses on the main functionalities of the R-MAP visualization platform, an interactive environment that maps regional trends and spatial effects of remote work to support data-driven exploration and comparative analysis

Panagiotis Papanikolaou

VP of Research and Business Development, Arx.Net

Leading research and innovation activities in national and European projects in Arx.Net., overseeing the design and evolution of the R-MAP platform.