

Call for Contribution

Working Group Urban-Rural Interlinkages in the Earth System

Join us in shaping a new interdisciplinary research agenda

Urbanisation is one of the defining drivers of Earth system change. Understanding the interactions between urban and rural areas—and their consequences across local, regional and global scales—is essential for developing sustainable and resilient societies.

We are establishing an interdisciplinary Working Group within the Platform InTRES (<https://www.intres-platform.org/>), to advance research on **Urban-Rural Interlinkages in the Earth System**. InTRES follows the understanding of the Earth System and societal interlinkages across spatial and temporal scales and societal levels. The Platform brings together researchers from natural and social sciences to advance interdisciplinary and transdisciplinary research on Earth–society interactions. Our goal is to generate knowledge and foster collaboration, and to support sustainability transformations within planetary boundaries through scientific excellence, innovation, and engagement with political and societal stakeholders.

We invite researchers from different disciplines to actively contribute their expertise and shape with us the future research agenda of the **InTRES-Working group Urban-Rural Interlinkages in the Earth System** (<https://www.intres-platform.org/research/working-group-7-urban-rural-interdependencies-within-the-earth-system/>). We want to establish and develop the working group explicitly as a platform for exchange and provide an open space for joint projects (publications, proposals, events).

Our Scope

The working group's topics are wide-ranging. They encompass land use and the challenges related to it, material flows, and the spectrum of human interactions. The focus will be on urbanization and the accompanying changes to the environment and to societies' land use. We place particular emphasis on cross-scale interactions, telecoupling, governance, resilience, and sustainable transformation. The research agenda is developed jointly by the members.

Our Key Research Questions

- How do patterns of urban-rural interactions influence the Earth system?
- What impacts do different resource and material flows have?
- Which approaches strengthen the resilience of societies and support sustainable development in urban and rural areas? (Framing and Governance)

Participation

We welcome researchers and experts of planning, policy or governance from a broad range of disciplines. Interdisciplinary perspectives and early-career researchers are particularly encouraged to participate.

The Working Group is intended as an open forum for co-developing research questions, fostering interdisciplinary collaboration and establishing long-term research partnerships.

We invite you to shape this working group. Together, we want to

- develop a shared research agenda
- strengthen inter- and transdisciplinary collaboration
- develop joint project proposals
- initiate joint publications
- conduct thematic workshops, and
- network with other research areas within the platform

Working mode

The working group is self-organized but is integrated into the InTRES platform (regular online meetings). The working group's meetings also take place online, as often as needed, and are organized by the group. Subgroups may be established as needed. The topics to be addressed are discussed and prioritized within the group. Barbara Warner (ARL) and Mike Müller-Petke (LIAG) will coordinate the working group (contact information below).

Expression of Interest

Researchers interested in joining the Working Group are invited to submit a short (1-2 pages, pdf) expression of interest including:

- name and affiliation
- research expertise or current projects related to the topic
- specific interests in collaboration within the Working Group

We welcome participants from academia as well as research organisations and related institutions working at the science-policy interface.

Contact:

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