



Launch of the IGES “Interactive SDG Tool for River Basins”

The Institute for Global Environmental Strategies (IGES) has launched an interactive online tool to assess how the observed and projected changes in river basins relate to various Sustainable Development Goals (SDGs) and their associated targets, from both a spatial and temporal perspective. The [Interactive SDG Tool for River Basins](#) is the outcome of the “River basins as 'living laboratories' for achieving sustainable development goals across national and sub-national scales (Luanhe Living Lab)” project funded by the UK’s Natural Environment Research Council (NERC), the National Natural Science Foundation of China (NSFC), and the Japan Science and Technology Agency (JST). This two-year project comprises partners from the University of Glasgow, Loughborough University and Brunel University in the UK, Nankai University in China, and the Institute for Global Environmental Strategies (IGES) in Japan.

The Luanhe Living Lab project hypothesises that trade-offs between SDG goals and targets at the sub-national scale create inequalities between segments of society when attempting to achieve the SDGs at the national level. Motivated by the above hypothesis, the project aimed at improving the understanding of human-environment interactions by providing scientifically-grounded, policy-relevant information on the synergies and trade-offs between selected SDGs and targets at the sub-national level. The river basin scale, with the Luanhe River Basin in China as a case study, is the project’s unit of analysis to represent the sub-national scale and constitutes ideal geography for the study of human-environment interactions. This is done through state-of-the-art modelling and analysis approaches to improve the understanding of the hydrology, sediment transport, flood risk and ecosystem services under various scenarios of large river basin development planning and land-use change, actively engaging with relevant stakeholders, and by developing the IGES [Interactive SDG Tool for River Basins](#).

The interactive tool is based on the IGES [SDG Interlinkages Analysis & Visualisation Tool \(Version 4.0\)](#), which has been developed and updated since 2015 to support integrated SDG policymaking at the national level. The SDG Interlinkages Tool enables users to visualise the quantified causal links between SDG targets, identify potential synergies and trade-offs, and compare country progress and performance over time.

Documentation for the entire project, including methodologies, reference materials and publications, is available from the website hosting the [Interactive SDG Tool for River Basins](#).

Link to the [Interactive SDG Tool for River Basins](#).

Link to the homepage of [Luanhe Living Lab Project](#).



Related publication

»Lessons learnt from synergies and trade-offs between SDGs at the sub-national scale – Research Brief

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About the Institute for Global Environmental Strategies (IGES)

The Institute for Global Environmental Strategies (IGES) is a collaborative research and outreach organisation working to accelerate the transition to a sustainable, resilient, shared, and inclusive Asia-Pacific region, both across borders and within the world at large.

Our strategic research and operations are defined by a mission-- to drive action on the world's most critical environmental and social challenges through the delivery of trusted expertise on sustainable development and resilience.

IGES operates as an agent of change. Together with key international organisations, governments, academic institutes, business and civil society leaders we seek to foster a world where planetary boundaries are fully respected, a green economy is flexibly implemented, and the well-being of people is steadily improved. In so doing we emphasise workable and inspired approaches to cross-cutting global development issues ranging from climate change, natural resources and ecosystems management, and sustainable consumption and production, among many others.

The Institute— established in 1998 with support from the Japanese government and Kanagawa Prefecture— maintains its international headquarters in Hayama, Japan. With offices and local centres in Tokyo, Kansai, Kitakyushu, Beijing, Bangkok, and New Delhi, IGES supports a regional and global network for ground breaking sustainable development research and practice