SHAPE

Sustainable development pathways
achieving Human well-being while
safeguarding the climate And Planet Earth

Final conference of the SHAPE project

New Sustainable Development pathways reflecting different societal perspectives

(virtual event)

16 February 2023, 10 - 17:15 Central European Time

Achieving the Paris Agreement and the Sustainable Development Goals (SDGs) set out in the Agenda 2020 requires holistic Sustainable Development Pathways (SDPs) that maximise synergies and avoid, minimise or compensate for trade-offs. The orientation towards this much broader target space challenges the IAM community to broaden their previous scope considerably.

The SHAPE Project has addressed this gap by aiming at creating and modelling a set of Sustainable Development Pathways (SDPs) with multiple integrated assessment models. The project's multi-method approach involved a co-creative narrative design process, as well as analyses of governance, equity and material flows.

The programme comprises two main blocks: In the morning session, the overarching project results and their implications will be presented and discussed with representatives from politics, business and civil society. In the topic-specific afternoon sessions, project results and reflections of the inter- and transdisciplinary co-creation process of the project will be presented in more detail.

10:00-12:00	New Sustainable Development Pathways (SDPs) - What are they, and what are they good for?
10:00-10:05	**Welcome**
10:05-10:20	**Sustainable development pathways in a fragmenting world: Opportunities and challenges** (working title) Keynote by Johan Rockström, PIK
10:20-11:10	**Implementing a pathway towards sustainable development** Panel discussion with • R. Alexander Roehrl, UNDP • Laura Parisi, ECB • Caroline Masaka, SDG Centre Rwanda (tbc) • Prahbat Upadhyaya, formerly WWF SAF
11:10-11:35	**New Sustainable Development pathways reflecting different societal perspectives. Key results of the SHAPE project** (working title) Presentation with Q&A by Elmar Kriegler, PIK
11:35-12:00	**Sustainable development pathways - Where do we need to go and how to get there?** - Comments from the SHAPE advisory board - • Vaibhav Chaturvedi, CEEW • Zoi Vrontisi, E3M

13:00-17:15	**SHAPE results - development of the SDPs, details, implications**
13:00-13:50	**Session 1: Co-design of sustainable development pathways** Welcome and introduction to co-creation in the context of IAM SHAPE's approach to co-creating the SDPs: key stakeholder contributions and the co-creation process Stakeholder reflections on process, content, community-building, relevance Open discussion
13:50-14:50	**Session 2: Land-water-energy nexus and industrial metabolism** Climate-Land-Energy-Water (CLEW) nexus synergies and trade-offs in the SDPs and how they compare with the SSP-RCP scenario matrix • Presentation by Vassilis Daioglou, PBL • Comment by Roberto Schaeffer, UFRJ Contributions of resource efficiency to sustainable development • Presentation by Edgar Hertwich, NTNU • Comment by Julia Okatz, SYSTEMIQ
	break
15:20-16:05	**Session 3: Reducing inequality** Gini projections Presentation by Jihoon Min, IIASA Comment by Céline Guivarch or Aurélie Méjean, CNRS (tbc) DLE calculator and evaluation Presentation by Jarmo Kikstra, IIASA and Imperial College London Comment by Julia Steinberger, Lausanne University
16:05-16:50	**Session 4: Governing the transformation** Key assumptions on global and domestic governance in the SHAPE narratives Presentation by Ariel Hernandez, IDOS Appraising SHAPE SDPs in terms of governance modes and policy mixes Presentation by Gabriela Iacobuta, IDOS Reflections on the governance aspects of the SHAPE scenarios by Julia Leininger, IDOS, and Déborah García-Luna, Voluntad Organizada A.C., Mexico (tbc) Q&A with the audience
16:55-17:10	**Final discussion** Moderation: Elmar Kriegler, PIK
17:10-17:15	**Wrap-up** by Elmar Kriegler, PIK