



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 2030 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 (Elmar Kriegler, PIK; PI of the SHAPE project)
10:05-10:20	Sustainable development pathways in a fragmenting world: Opportunities and challenges Keynote by Johan Rockström, PIK
10:20-11:10	Implementing a pathway towards sustainable development - panel discussion – Moderation: Elmar Kriegler Panellists: <ul style="list-style-type: none">• R. Alexander Roehrl, UN• Laura Parisi, ECB• Caroline Makasa, SDG Center for Africa• Prabhat Upadhyaya, formerly WWF SA
11:10-11:35	New Sustainable Development pathways reflecting different societal perspectives. Key results from the SHAPE project Presentation with Q&A by Björn Sörgel, 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 - <ul style="list-style-type: none">• Vaibhav Chaturvedi, CEEW• Zoi Vrontisi, E3M



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13:00-17:15 SHAPE results - development of the SDPs, details, implications

Session 1: Co-design of sustainable development pathways

Moderation: Sarah Cornell, SRC

Welcome and introduction (Sarah Cornell, SRC)

13:00-13:50

SHAPE's approach to co-creating the SDPs: key stakeholder contributions and the co-creation process (Merle Remy, RIFS)

Stakeholder reflections on process, content, community-building, relevance

- Comments by Eric Kemp-Benedict (SEI), Eva Söbbeke (German Central Bank), Isabelle Weindl (PIK), and Gabriela Iacobuta (IDOS)

Open discussion

Session 2: Land-water-energy nexus and industrial metabolism

Moderation: Detlef van Vuuren, UU

Climate-Land-Energy-Water (CLEW) nexus synergies and trade-offs in the SDPs and how they compare with the SSP-RCP scenario matrix

13:50-14:50

- 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

Session 3: Reducing inequality

Moderation: Bas van Ruijven, IIASA

Projections of inequality in the SDPs

15:20-16:05

- Presentation by Jihoon Min, IIASA
- Comment by Adrien Fabre, CNRS

Assessing energy needs and energy inequality in the SDPs

- Presentation by Jarmo Kikstra, IIASA and Imperial College London
- Comment by Joel Millward Hopkins, University of Leeds

Session 4: Governing the transformation

Moderation: Ines Dombrowsky, IDOS

Key assumptions on global and domestic governance in the SHAPE narratives, scenarios and models

16:05-16:50

- Presentation by Ariel Hernandez, IDOS

Appraising SHAPE SDPs in terms of governance modes and policy mixes

- Presentation by Gabriela Iacobuta, IDOS

The project SHAPE is part of AXIS, an ERA-NET initiated by JPI Climate, and funded by FORMAS (SE), BMBWF/FFG (AT), DLR/BMBF (DE, Grant No. 01LS1907A-B-C), NWO (NL) and RCN (NO) with co-funding by the European Union (Grant No. 776608).





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Reflections on the governance aspects of the SHAPE scenarios

- by Julia Leininger, IDOS, and Déborah García-Luna, Voluntad Organizada A.C., Mexico

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

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