TWINRD
ECODIGITAL FUTURES

TWINRD OPEN FORUM

MACROECONOMIC MODELLING OF R&D FOR THE TWIN TRANSITION

Launch Event

Online, 19 February 2025

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Housekeeping

🔇 Please keep your microphone muted when you are not speaking.

👥 We will be using Menti (menti.com) for interaction, so be ready to engage!

❓ There will be a Q&A at the end of the session where you will be asked to raise your hand and speak up. If you have any questions in the meantime, please add them to the chat.

😊 If possible, we would love for you to turn your cameras on and rename yourself for easy identification on Zoom during the session, but….

📽️ Please note that this session is recorded for internal purposes only.

- Turn off your camera if you don't want to be in the recording.
- Anonymize your Zoom name accordingly.

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Agenda

- Introduction to the TWINRD Project
- The Stakeholder Engagement process
- Update & Upgrade existing models
- The TWINRD Model
- Next steps
- Q&A

Stakeholder Involvement

- Participatory activities are crucial in mobilizing acquired, processed, and accumulated knowledge for the macro-economic modelling of green and digital R&I impact debate

- Meaningful interactions and collaborations with stakeholders, from academia to policymakers and civil society, throughout the project lifecycle
  - Co-design the research and modelling application to R&I policy impact assessment

- Transdisciplinary methods to co-create the research questions, legitimise the implementation process, and model development, and improve the communication, usability, uptake, and relevance of modelling results to the wider society

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Maximise Impact

- General visibility and dissemination to potential users
- Engagement of policy, science, business, and social stakeholders to increase the mutual understanding of twin transitions drivers, modelling assumptions and simulation outcomes' usefulness for R&I policy assessment
- Engagement of researchers and modelling teams

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Transdisciplinary Integration

- Heuristic integrative research approach
- Cooperation between academic researchers and non-academic practitioners to the inner-scientific cooperation between various disciplines
- Combination of inputs into an integrated output
- Common frame of reference
  - the project and its co-design approach
  - existing models GEM-E3 and NEMESIS and their improvements, as well as the new TWINRD macroeconomic model
  - Three Horizons participatory foresight framework (tendential and transformative scenarios building activities)

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Open Stakeholder Forum

- To enhance collaboration and ensure the broad dissemination of research findings
- Dynamic platform for engaging a diverse array of stakeholders, including researchers, policymakers, industry professionals, civil society, and other relevant actors involved in the field of technological and scientific innovation
- Actively engage stakeholders through targeted outreach efforts, including newsletters, webinars, and collaborative dialogues
- TWINRD conference to enhance project's impact aiming to tackle the innovation divide towards a more integrated and cohesive European research and innovation ecosystem

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Participatory Foresight Workshops

- Participatory foresight workshops informed by transdisciplinary integration methodologies that incorporates insights from societal actors
- Leveraging the Three Horizons foresight framework
- Drive collaborative policy scenario building and impact assessment exercises.
- Key research questions will be developed to guide model application, scenario building, and the co-creation of policy roadmaps
- Collaborative process ensures that scenario-building efforts are inclusive, relevant, and aligned with stakeholder needs and expectations

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Three Horizons

QUALITATIVE FORESIGHT

DRIVERS:

- ***S**ustainable resources & environment*
- ***I**nclusive economy*
- ***R**esponsible living*
- ***T**ransparent governance*

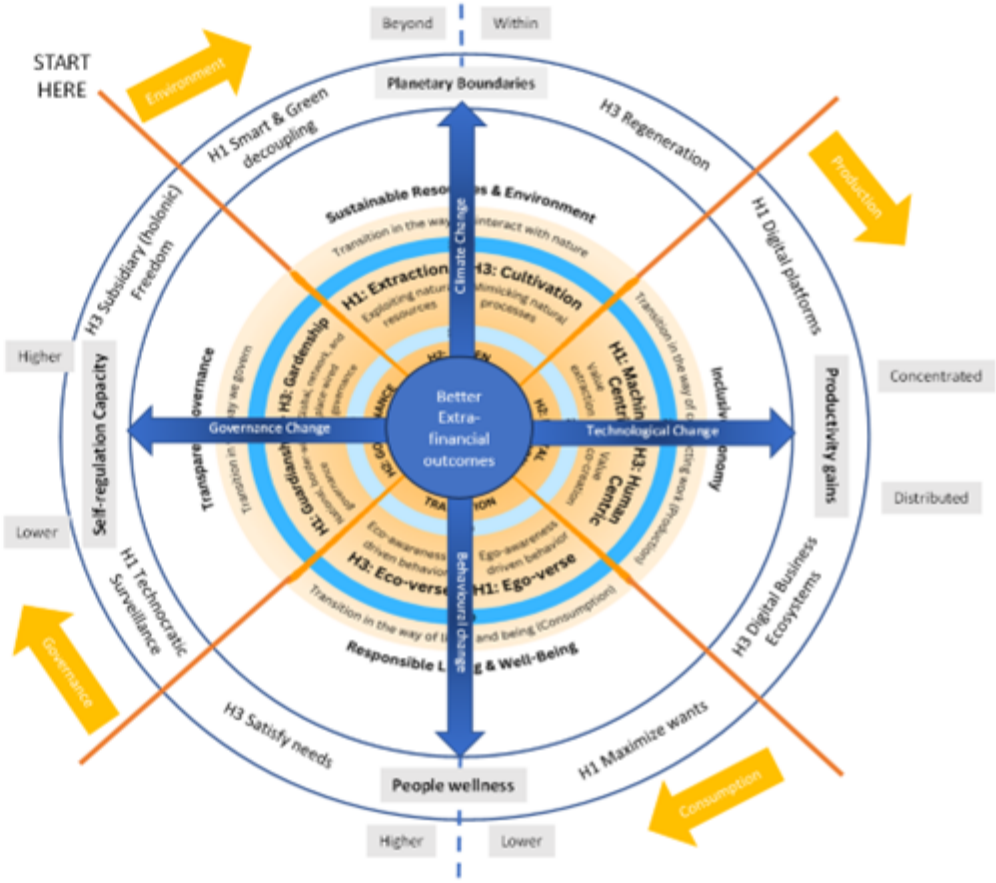
LONG-TERM 2050
TENDENTIAL (H1)/TRANSFORMATIVE (H3)
SCENARIOS:

- *Climate: H1 beyond/H3 within planetary boundaries*
- *Technology: H1 concentrated/H3 distributed productivity gains*
- *Behaviour: H1 'ego-verse' lower/H3 'eco-verse' higher wellness*
- *Governance: H1 lower/H3 higher self-regulation capacity*

MID-TERM 2030
TRANSITION PATHWAYS (H2):

- *Green transition in the way we interact with nature*
- *Digital transition in the way of conducting work (production)*
- *Cultural transition in the way of living and being (consumption)*
- *Governance transition in the way we govern*

Scenarios Meta-Narrative



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Next Steps

- Open Stakeholder Forum to gather relevant stakeholders and actors and provide open access to research data, methods, and models used in TWINRD:
  - Conference to establish an interactive dialogue within the Open Forum enabling the synthesis of project results and distil policy-relevant information

- Interactive workshops will be implemented at different stages of the project:
  - identification of green and digital R&I priorities, aligned with stakeholders' expectations (introductory WS) Before summer 2025
  - co-design of the enhanced R&I modelling application and integration of twin transition technologies in the upgraded macro-economic models (intermediate WS) End of 2025
  - evaluation of green and digital R&I transition scenarios and their wide uptake and exploitation by the target groups (final WS) Early 2026

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THANK YOU!

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