Workshop descriptions

Day 1 Thursday 25 April | Time: 15:00 – 18:00

1. **Resilience to Climate Change, SDG research on climate, water and society around the world**
   Contributors: dr. ir. Pieter van Oel (WUR), dr. Wouter Smolenaars (WUR), dr. Hester Biemans (WUR), Khalid Jamil (WUR), Dr. Eduardo Martins (Federal University of Ceará), Sarra Kchouk (WUR).

   People's resilience to climate change largely depends on their water, food, and livelihood securities. Lessons from interdisciplinary and transdisciplinary research efforts in Asia (Indus basin) and Latin America (Northeast Brazil) are presented and discussed in the context of their relevance for understanding synergies and trade-offs between selected SDG's. In this workshop we explore the relevance of the issues presented to similar challenges in other context throughout the Global South. Similarities and differences with regard to physical, institutional, cultural and other local realities are crucial for the preferred ways of stakeholder interaction, scientific research approaches, learning opportunities, and solutions considered. We will discuss challenges, pitfalls, and opportunities for translating findings into tangible solutions that promote resilience to climate change worldwide. While the projects presented focused on interdependent hydro-meteorological and societal processes in Brazil and Pakistan, we look forward to extend the discussion both geographically and thematically.

2. **Designing Inspiring Global Health Solutions**
   Contributors: Prof J.C. Diehl (TU Delft); Prof Maria Yazdanbakhsh (LUMC) ; Dr. Abena Amoah (LUMC); Karlheinz Tondo Samenjo (TU Delft); Dr. Temitope Agbana (AIDx Medical)

   Within this interactive workshop we want to share with you the experiences and insights from the two Global Health Joint SDG Research Initiative. We start with two inspiring introductions of LUMC on the groundwork for establishing Controlled Human Helminth Infection Models in Africa Project. During the second part of our workshop the TU Delft & AIDx Medical team will challenge you to explore and define use case scenarios for cervix cancer diagnostics in sub Saharan Africa. Subsequently you will design conceptual ideas for smart AI-powered diagnostics devices cervix cancer. We will use mapping and design tools as developed within our INSPIRED project. https://inspired-diagnostics.info

3. **Access to the Un-inequal City: Urban Infrastructures, Housing, Rights and Everyday Lives in the Global South**
   Contributors: Prof. Ajay Bailey (Utrecht University) and the EQUIMOB team; Prof. Marja Elsinga (TU Delft); Ir. Frederique van Andel (TU Delft)

   This session offers a dynamic exploration of the interplay between urban infrastructures, housing, rights and entrenched inequalities that preclude an equal access to the city, and is focused on the context of the Global South. Our NWO-WOTRO projects focused on mobilities and housing (in India, Bangladesh, and Ethiopia) and how city and city-making impacts everyday lives of vulnerable groups. In this session we will present some of our findings, learnings of different methods, and the challenges of conducting research during COVID-19. The goals of the session include understanding the complex dynamics driving urban inequalities in the Global South, and critically examining how intersecting dimensions of inequality (e.g., poverty, gender, race, class) manifest in urban environments and influence access to essential resources. We will use a range of participatory exercises, group discussions, and reflexive exercises. Through these participatory exercises and collaborative dialogues, this session aims to inspire participants to think and reflect on actionable insights and

transformative approaches for building more just and sustainable cities, where access to essential urban amenities is a fundamental right for all residents.

4. **Inclusive institutions: bringing social norms and governance structures together**
Contributors: Dr. Marieke Hopman (Maastricht University); Guleid Jama (Maastricht University); Dr. Elsje Fourie (Maastricht University); Dr. Konjit Gudeta (Addis Ababa University)

Using insights from studies that explore the well-being of female employees at the bottom of global production networks in Ethiopia and a study on children's development rights in de facto states (specifically Sahrawi Arab Democratic Republic/Western Sahara, Somaliland, and Israel/Palestine), our workshop will delve into the intersection of social norms and governance structures for inclusive institutions. We'll explore approaches to ensure that the voices of marginalized groups, such as children and female workers, are not only heard but actively integrated into the governance of public and private institutions, including in our own research projects. We aim to have challenging discussions, explore practical strategies and uncover ways to make governance and research more inclusive, equitable and responsive to the social norms of diverse groups, thereby fostering environments where every voice matters.

5. **"Leaving No One Behind?" Where is Africa as the World Races Towards Universal Energy Access?**
Contributors: Dr. Nowella Anyango-van Zwieten (Wageningen University & Research); Dr. Henny Romijn, (Eindhoven University of Technology); Maarten Appelman, MSc (University of Twente) ; Dr. Luis Cutz (TU Delft)

The current Global Stocktaking on SDG7 | United Nations estimates that about 10% of the world population will still not have access to electricity and 30% will lack access to clean cooking by 2030. In spite of a general consensus that SDG7 on energy access is on track to miss its targets, some – especially those working with aggregated, globalized data – claim significant progress on leading indicators, diverting the focus away from the real-life energy access problems experienced by millions in the Global South. For example, almost 1 billion people in Low- and Middle- Income countries (LMICs) depend on healthcare facilities with unreliable or no electricity access. In Africa today, 4 in 5 people do not have access to electricity.

As the 4TU Energy Access Alliance (an interdisciplinary group of scholars from the four technical universities of the Netherlands), we argue that the aggregated data, which measure energy access in a binary (yes/no) manner, gloss over wider gaps shown in more granular evidence on regional, rural-urban, technological and gender experiences. We also argue that these heavily outcome-oriented indicators overlook fundamental challenges that go beyond providing often unstable and ill-fitting technologies to as many households, as quickly and as cheaply as possible. We challenge the extent to which the SDG7 outcome-driven agenda (the number of people with access to energy) has brought about scale (SDG7 targets will not be reached by 2030[1]), sustainability (financial, technical, social, institutional, and environmental), and impact (broader social, environmental and economic effects of energy access[2], such as on people's health and well-being, economic development, gender equality, and the environment).
At the heart of these access issues are real lives with economic, social, environmental and political needs that are connected to other domains of sustainable human development. Satisfaction of these needs depends at its core on meeting SDG7 due to the manifold ways in which energy access drives progress towards other SDGs. In this session, we would like to open up the discussion on energy access assessment in SDG7 and its interrelatedness with energy transition and other SDGs more broadly, to a wider range of scholars and other participants. This will be in addition to contributions that we have received – and will share – from our direct participation at a UN-DESA consultation meeting for experts in March 2024 in advance of the global midterm review summit.
An overhaul in the perception of global energy access is needed and working towards a new global agenda -

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Beyond 2030 - is an opportunity to make that shift. This can be done by drawing on the lessons and evidence from the past years, but also leveraging on the wider technological, political and social developments and trends at the global, regional, national and local levels.

[1] https://trackingsdg7.esmap.org/data/files/download-documents/sdg7-report2023-full_report.pdf

[2] Understanding of impact under OECD-DAC criteria (used in the evaluation of energy access programmes)

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Day 2 Friday 26 April | Time: 10:30 – 12:00

1. **Discover the founder in you and plan the entrepreneurial journey**
   Contributors: *Gerrit Jan van 't Veen (World Startup), Victoria Manya (ASCL Leiden University)*

   Some of you are entrepreneurs as well as researchers, or perhaps eager to leverage research outcomes for entrepreneurial success. Join us for an interactive workshop where we delve into the potential of entrepreneurship for scalable application of technology and knowledge. Through real-life examples, roadmap exercises, and insightful discussions, we'll explore the common hurdles and catalysts that shape the entrepreneurial journey.
   We will help you define your founder type, which is a fundamental step in the beginning of your entrepreneurial journey. We will support you with your roadmap to mix entrepreneurship with research.
   After this workshop, you have a better understanding of why and how you should embrace entrepreneurship for the successful application of your research output for a better world.

2. *Interdisciplinary Collaboration*
   Contributors: Prof. Peter Knorringa (Erasmus University Rotterdam – ISS) & Dr. Emmanuel Abbey (ARUA).

   In today's interconnected world, many of the most pressing challenges – from climate change to public health crises – require holistic approaches that transcend disciplinary boundaries. But often interdisciplinary collaboration is not as easy to achieve- how can we work together towards interdisciplinary collaboration, where are opportunities, but perhaps also the challenges we run into and how can we overcome those (perceived) limitations?

3. **FRAME SDG research: effective project setup and research agenda alignment**
   Contributors: Paola Fezzigna, MSc (UvA), Prof. Jacqueline Broerse and Dr. Dirk Essink (VU Amsterdam), Milou Derks, MSc (TU Eindhoven)

   How to align international SDG research and implementation agendas and how to effectively setup inclusive SDG oriented transdisciplinary research projects?
   In the recent two years we researched these two interconnected questions in 3 subprojects. In the workshop we will present the preliminary findings and with the participants we will aim to translate these into concrete recommendations for individual researchers who are responsible for their project and other recommendations for policy makers, funders and senior scientists to use in aligning their (research) budgets and policies.

4. **Fostering Capacity Building for Inclusive and Transformative Research through the Triple-I Approach**
   Contributors: Dr. Emmanuel Ojo (University of Witwatersrand), Dr. Joyce Browne (UMC Utrecht)

   Addressing global challenges and the Sustainable Development Goals demands inclusive, transformative research that empowers marginalised communities and amplifies diverse perspectives. This workshop explores capacity-building strategies aligned with GROW's Triple-I (Interdisciplinary, International, and Intersectoral) approach to cultivate equitable collaborations and knowledge exchange between researchers, institutions, local stakeholders, and societal actors.
   Guided by the theme "Impact & Inclusive Research Communities, Fairness in the Field, Ownership," we will delve into nurturing inclusive mindsets, inter- and transdisciplinary collaborations, and participation of marginalised groups in research processes and outcomes. Interactive discussions and case studies will provide

insights into creating sustainable, inclusive research ecosystems prioritising fairness, ethical conduct, and shared ownership of knowledge.

Jointly facilitated by experts in global health, education, and international collaborations, this workshop aims to equip researchers and practitioners with tools and mindsets to conduct impactful, transformative research resonating with local contexts and amplifying diverse voices, ultimately contributing to a more equitable and sustainable future.

Call to Action: Participants will collectively develop a framework for capacity building that fosters Triple-I research, enabling co-creation, collective learning, and the translation of academic research into real-world solutions for urgent global challenges.

5. **New NWO NWA projects coming in 2024 and 2025**
   Contributors: Prof. Nick van de Giesen (TU Delft, Chair GROW and NWO-NWA Route 23 on SDGs), Roel Kamerling, (TU Delft, GROW Project Office), Mathijs Kallenberg (NWO Route support NWA Route 23 on SDGs)

   NWO commits research budget to National Science Agenda (NWA) at a regular basis. The Route Management team for Route 23 on Sustainable Development for Inclusive Global Development is involved in shaping these programmes and preparing the calls. We would like to engage with the Dutch / Global research community to discuss how we can best accommodate available research budget in order to contribute to the Sustainable Development Goals. Specifically we shall address the Innovative Projects call (2x150.000 €) and the 2025-2026 NWA-ORC call (6,5 million €) for which the theme of Health is foreseen.