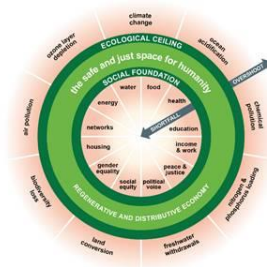
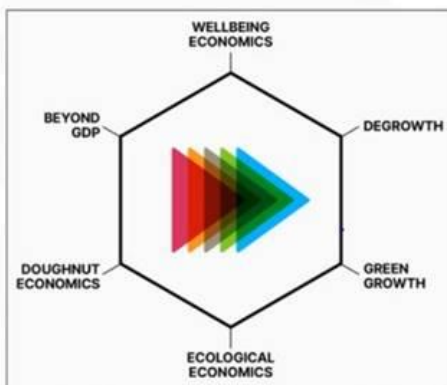


# DG Research and Innovation Knowledge for SDGs Talks 2021 – 2022



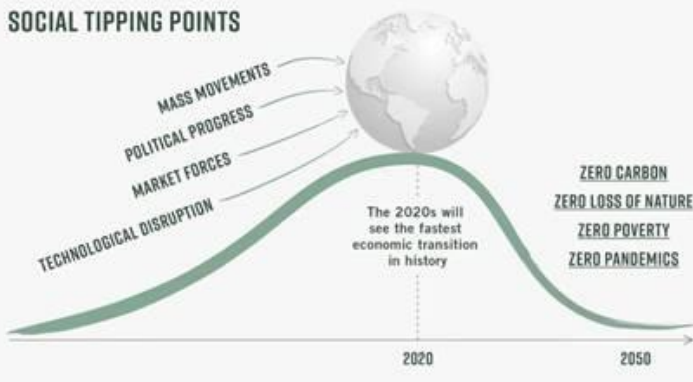
## 21st Century Transformational Economics



## Country Overshoot Days 2021



## SOCIAL TIPPING POINTS



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As much as **75** speakers and panellists, from science, policy or other backgrounds, have shared their insights. Close to **1.000** colleagues have attended the talks. This has been a major exercise for raising sustainability awareness across EU institutions. Some of the recordings have been made publicly available on EC Streaming Service.

DG Research and Innovation provided all talks online through Teams. All talks were open to all colleagues through the inter-institutional catalogue of EU Learn.

All talks were designed by Thomas Arnold and moderated in collaboration with Jerome Spaans, Anastasios Kentarchos and Claudia De Sessa.

This compendium contains all course descriptions, agendas and hyperlinks to underlying sources. Job affiliations of speakers correspond to the date of the talks.

### Thomas ARNOLD

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June 2022

# Knowledge for SDGs (part 1) - How research results can be better communicated to policy makers

**Date: 13 April 2021, 10:30 - 12:00 CET (Teams)**

- Recording link (public) [Knowledge for SDGs \(part 1\): How Research Results Can be Better Communicated to Policy Makers - Streaming Service of the European Commission \(europa.eu\)](#)

DG Research and Innovation is offering a virtual training event on “**Knowledge for SDGs (part 1) - How research results can be better communicated to policy makers**”, in the context of its Knowledge Talks. The target audience are all policy officers involved in or curious about knowledge for SDGs.

Participants will learn about the EU’s holistic approach to sustainable development and how research and innovation play a critical role to shape policies for implementing the European Green Deal and the SDGs. Different approaches on how to communicate research results to policy makers will be presented and discussed, including the perspective of a major publisher and experience from citizen science.

Curious about SDGs? Learn more about the EU’s holistic approach to sustainable development and how research and innovation play a critical role to shape policies for implementing the European Green Deal and the SDGs.

Different approaches on how to communicate research results to policy makers will be presented and discussed, including the perspective of a major publisher and experience from citizen science.

## Agenda

### Opening

- **Jean-Eric PAQUET** (Director General DG Research and Innovation) (confirmed) (5 minutes)

### Intro/Scene Scetter

- **Laia PINOS MATARO** (Policy Officer, Secretariat-General, Green Deal Unit) (confirmed): **The EU’s holistic approach to implement SDGs**, ([The EU’s holistic approach to implement SDGs](#)) (15 minutes)

### SDG Science Communication Panel (15 minutes each)

- **Sir Philip CAMPBELL** (Editor-in-Chief of [Springer Nature](#)) (confirmed)
- **Rosa ARIAS** (CEO & Founder at [‘Science for Change’](#), coordinator of the Horizon 2020 projects [‘D-Noses’](#) and [‘NEWSERA’](#), Member of the Board of Directors of the [European Citizen Science Association \(ECSA\)](#), activist of "Science in the Parliament" initiative - promoting evidence based policy in the Spanish Parliament) (confirmed)

### Discussion (30 minutes)

Moderation of the event: Thomas Arnold, Advisor Sustainable Development Goals, DG R&I

## Background

[EU holistic approach to sustainable development | European Commission \(europa.eu\)](#)

The Sustainable Development Goals (SDGs) are an intrinsic part of the President’s [political guidelines](#) and lie at the heart of the policymaking on internal and external action across all sectors. Full implementation of the United Nations’ 2030 Agenda is crucial to strengthen resilience and prepare the world for future shocks as we embark on the twin green and digital transitions.

[EU holistic approach to sustainable development | European Commission \(europa.eu\)](#)

The President’s political programme integrates the SDGs into all Commission proposals, policies and strategies. All of the 17 SDGs feature in one or more of the six headline ambitions announced in President von der Leyen’s Political Guidelines as depicted in the figure below:



[EU holistic approach to sustainable development | European Commission \(europa.eu\)](#)

The new Commission’s comprehensive or “whole of government” approach to implementing the Sustainable Development Goals (SDGs) comprises several strands as depicted in the figure:



[Delivering on the UN’s Sustainable Development Goals – a comprehensive approach – staff working document | European Commission \(europa.eu\)](#)

[Delivering on the UN’s Sustainable Development Goals – a comprehensive approach – factsheet | European Commission \(europa.eu\)](#)

# Knowledge for SDGs (part 2) - How to fill research and policy gaps (focus on international spillovers)

**Date: 10 September 2021, 15-17h CET (Teams)**

- Recording link (public): [Knowledge for SDGs, part two: How to Fill Research and Policy Gaps - Streaming Service of the European Commission \(europa.eu\)](#)

DG Research and Innovation is offering another virtual training event on “**Knowledge for SDGs (part 2) - How to fill research and policy gaps**”, in the context of its Knowledge Talks. The target audience are all policy officers involved in or curious about knowledge for SDGs.

Participants will learn from high level speakers about the sustainability transformation of our world. They will also learn about different approaches to monitor progress towards the SDGs and identify open challenges to make Europe more sustainable. Particular attention will be given to development of methods for a better consideration of [international spill-overs](#) of EU policies (see also [Understanding the Spillovers and Transboundary Impacts of Public Policies: Implementing the 2030 Agenda for More Resilient Societies | en | OECD](#)).

Participants can discuss how research and innovation play a critical role to shape policies, which support the EU’s sustainability leadership and the sustainability transformation of our world.

## Agenda

**Opening** (5 minutes)

- **Jean-Eric PAQUET** (Director General DG Research & Innovation) (confirmed): **Our vision, our ambition**

**First panel: A sustainable Europe**

- Keynote (15 minutes):
  - **Christine MAYER** (Team Leader - Sustainable development indicators, EUROSTAT) (confirmed) 2021 **EU SDG Monitoring report: Where does Europe stand and where can Europe do more?**, [Sustainable development in the European Union — Monitoring report on progress towards the SDGs in an EU context — 2021 edition - Products Statistical Books - Eurostat \(europa.eu\)](#)
- Respondents (8 minutes each):
  - **Patrizia HEIDEGGER** (Director for Global Policies and Sustainability, European Environmental Bureau) (confirmed): **Time to reach for the moon, Civil society SDG monitoring report**, [Time-to-reach-for-the-moon-web.pdf \(kinstacdn.com\)](#)
  - **Carina LINDBERG** (Policy Advisor, OECD Public Governance Directorate) (confirmed), **Understanding the Spillovers and Transboundary Impacts of Public Policies**, [Understanding the Spillovers and Transboundary Impacts of Public Policies: Implementing the 2030 Agenda for More Resilient Societies | en | OECD](#)

- **Zach WENDLING** (Programme Manager, SDSN) (confirmed): **International spill-overs: How to widen the perspective beyond domestic concerns?**, [Global Commons Stewardship Index measures countries' impacts on the environment beyond domestic concerns \(unsdsn.org\)](#)

## Second panel: Transforming our world

- Keynote (15 minutes)
  - **Jeffrey SACHS** (Columbia University, President of SDSN) (**excused**): **How to transform our world after COVID?**, [Sustainable Development Report 2021 \(unsdsn.org\)](#)
- Respondents (8 minutes each)
  - **Peter DRÖLL** (Director Prosperity, DG R&I) (confirmed): **How fast are we transforming? What the Transitions Performance Index can tell us**, [Transitions Performance Index \(TPI\) | European Commission \(europa.eu\)](#)
  - **Milena BUCHS** (Researcher, University of Leeds, School of Earth and Environment) (confirmed): **Growth lock-ins and appropriation systems as obstacles to global sustainability transformation**" ([Challenges for the degrowth transition: The debate about wellbeing - ScienceDirect](#), [Provisioning systems for a good life within planetary boundaries - ScienceDirect](#))

## Q&A, Discussion

Moderation of the event: Thomas Arnold, Advisor Sustainable Development Goals, DG R&I

## Knowledge for SDGs (part 3) - Future generations and transgenerational justice

**Date: 14 December 2021, 12-14h CET (Teams)**

- Recording link (public) [Knowledge for SDGs: Future Generations and Trans-generational Justice - Streaming Service of the European Commission \(europa.eu\)](#)



Picture credit John Englart

DG Research and Innovation is offering another virtual training event on **“Knowledge for SDGs (Part 3), Future generations and transgenerational justice”**, in the context of its Knowledge Talks. The target audience are all policy officers involved in or curious about knowledge for SDGs and, more widely, in SDG-relevant EU policies. Participants will learn about transgenerational justice as a policy and research challenge. The topic is highly relevant in the context of the European Year of Youth 2022.

Sustainable development — the development that meets the needs of present generations without compromising the ability of future generations to meet their needs — is deeply rooted in the European project. ([EUR-Lex - 52016DC0739 - EN - EUR-Lex \(europa.eu\)](#)). *“We are running up an ecological debt that affects everything. Future generations will have to pay back this debt with heavy interest if we don’t step up our action.”*(Reflection paper, TOWARDS A SUSTAINABLE EUROPE BY 2030, Foreword VPs Timmermans and Katainen) [rp\\_sustainable\\_europe\\_30-01\\_en\\_web.pdf \(europa.eu\)](#). This has been repeatedly confirmed by research, e.g. on [Intergenerational inequities in exposure to climate extremes \(science.org\)](#).

The course will bring together insights from a wide range of disciplines and actors from society, research and policy, contributing to build a transdisciplinary perspective. Participants can discuss how research and innovation play a critical role to shape policies that weatherproof the EU’s sustainability ambition and make it fit for future generations. Will the EU deliver more than blah blah blah? ([‘Blah, blah, blah’: Greta Thunberg lambasts leaders over climate crisis | Climate crisis | The Guardian](#))

## Agenda

### Opening (5 minutes)

- **Jean-Eric PAQUET** (Director General DG Research & Innovation) (confirmed)

### Keynote (15 minutes)

- **Adélaïde CHARLIER** (Co-Founder Youth for Climate Belgium) (confirmed): **Future generations - what should policy deliver, what research is needed?**

### Panel discussion (5 minutes each)

- **Carl FOLKE** (Director of the Beijer Institute, the Royal Swedish Academy of Sciences) (confirmed): **Planetary emergency, a threat to the future of human civilization?**, ([Our future in the Anthropocene biosphere | SpringerLink](#))
- **Caroline HICKMAN** (Psychotherapist, University of Bath), **Elizabeth MARKS** (Senior Lecturer at the Department of Psychology, Bath Centre for Mindfulness and Compassion, University of Bath) (confirmed): **Young people and climate anxiety**, ([Young People's Voices on Climate Anxiety, Government Betrayal and Moral Injury: A Global Phenomenon by Caroline Hickman, Elizabeth Marks, Panu Pihkala, Susan Clayton, Eric R. Lewandowski, Elouise E. Mayall, Britt Wray, Catriona Mellor, Lise van Susteren :: SSRN](#)), [Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey - ScienceDirect](#)
- **William F. LAMB** (Research Associate working group Applied Sustainability Science, Mercator Institute on Global Commons and Climate Change) (confirmed): **Discourses of climate delay and impact on future generations**, ([Discourses of climate delay | Global Sustainability | Cambridge Core](#))
- **Johannes EMMERLING** (Scientist and co-lead of the Low Carbon Pathways unit, European Institute on Economics and the Environment (EIEE) (confirmed): **Discount rates and transgenerational equity**, ([The role of the discount rate for emission pathways and negative emissions - IOPscience](#))
- **Amanda JANOO** (Economics and Policy Lead, Wellbeing Economy Alliance) (confirmed): **Which economic model is fit for future generations?**, ([Home - Wellbeing Economy Alliance \(weall.org\)](#))
- **Carlos ALVAREZ PEREIRA** (Vice-president, Club of Rome) (confirmed): **Emerging new civilisations: Towards a paradigm shift in our fundamental belief matrix**, ([Emerging New Civilization\(s\) - Club of Rome](#))
- **Roda VERHEYEN** (Lawyer) (confirmed): **Future as a human right - Neubauer et al. against Germany**, (<https://youtu.be/uZz8Gtg208U>, [Top German court rules the country's climate law is partly 'unconstitutional' – POLITICO](#))
- **Sophie HOWE** (Future Generations Commissioner for Wales) (confirmed): **Democracy: How to ensure a voice for future generations in decision making**, ([The Future Generations Commissioner for Wales – Acting today for a better tomorrow](#))



- **Laurent BONTOUX** (Senior Foresight Expert, European Commission, JRC) (confirmed): **Foresight: Imagining futures for transgenerational justice**
- **Biliana SIRAKOVA** (EU Youth Coordinator, DG EAC) (confirmed): **Improving responsiveness to young people's expectations for transgenerational justice**

**Conclusions and responses from science and policy** (10 minutes each)

- **Jean-Pascal VAN YPERSELE** (Professor Earth and Climate, School; of Physics, UCL Louvain) (confirmed): **EU climate policy, European Green Deal and other EU policies: where can we do more for future generations?**
- **Nicole DEWANDRE** (European Commission, Cabinet of President von der Leyen) (confirmed): **What next?**

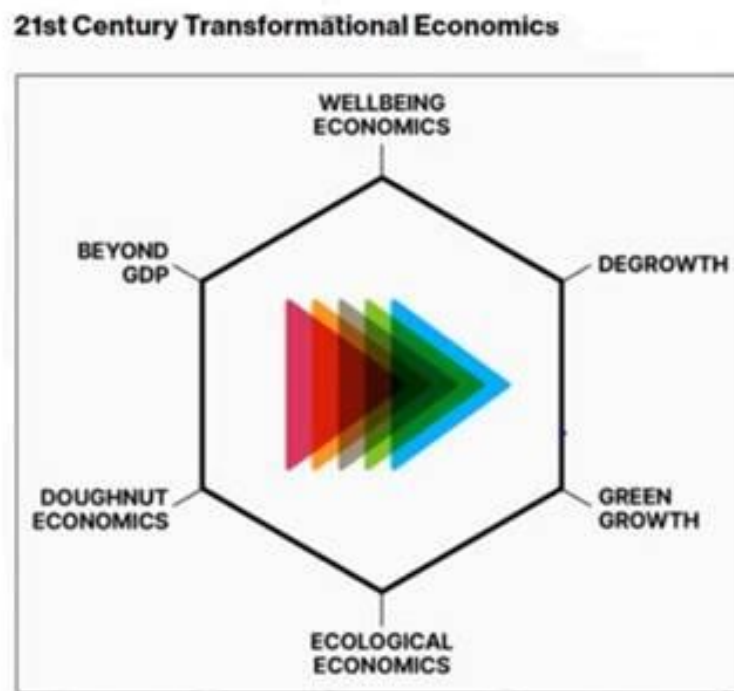
**Q&A/Discussion**

Moderation of the event: Thomas Arnold, Advisor Sustainable Development Goals, DG R&I

# Knowledge for SDGs (part 4) - Economic sustainability for the 21st century

Date: 8 February 2022, 10-12h CET (Teams)

- Recording link (public) [Knowledge for SDGs \(Part 4\): Economic Sustainability for the 21st Century - Streaming Service of the European Commission \(europa.eu\)](#)
- Further info: [Exploring post-growth futures in the EU | DEAL \(doughnuteconomics.org\)](#)



Picture Credit: Earth4All

DG Research and Innovation is offering another virtual training event on **“Economic sustainability for the 21st century”**, in the context of its Knowledge Talks. The target audience are all policy officers involved in or curious about knowledge for SDGs and, more widely, in SDG-relevant EU policies, including those beyond the Green Deal implementation. Participants will learn about the economic dimension of sustainability as a research and policy challenge.

In its report **“Reflecting on green growth - Creating a resilient economy within environmental limits”**, the European Environment Agency (EEA) highlights that creating a more equitable and sustainable economic system in Europe will require that the *“choices and actions of economic actors at all scales — corporations, small businesses, entrepreneurs, consumers — are guided by society's collective and long-term interests”*. ([Creating a resilient economy within environmental limits — European Environment Agency \(europa.eu\)](#))

The transformation of our economic model, based on the European Green Deal and possibly looking beyond, is urgent as in current global development trajectories, *“countries tend to transgress biophysical boundaries faster than they achieve social thresholds”* ([The social shortfall and ecological overshoot of nations | Nature Sustainability](#)). At the same time, there are major policy challenges, such as ensuring social welfare systems, and insufficient systemic knowledge to inform the paradigm shift, both bold enough and fast enough.

The course will bring together insights from different Green Growth and post-growth perspectives, and will look at economic policy making beyond GDP. How can the EU move towards an economy that gives back more than it takes, towards an economy that cares?

## Agenda

### Opening (3 minutes each)

- **Jean-Eric PAQUET** (Director General, DG Research & Innovation) (confirmed)
- **Hans BRUYNINCKX** (Executive Director, the European Environment Agency) (confirmed)

### Keynote (15 minutes)

- **Mike ASQUITH** (Expert - Sustainability Transitions in the Department Integrated Assessments for Sustainability, EEA) (confirmed): **Reflecting on Green Growth - Creating a resilient economy within environmental limits**, ([Creating a resilient economy within environmental limits — European Environment Agency \(europa.eu\)](#)) ([Reflecting on green growth — European Environment Agency \(europa.eu\)](#))

### Panel discussion (5 minutes each)

- **Andrew FANNING** (Data Analysis & Research Lead at DEAL, Doughnut Economics Action Lab & Leeds University) (confirmed): **The social shortfall and ecological overshoot of nations** ([The social shortfall and ecological overshoot of nations | Nature Sustainability](#))
- **Guntram B. WOLFF** (Director of Bruegel) (confirmed): **Can climate change be tackled without ditching economic growth?** ([Can climate change be tackled without ditching economic growth? | Bruegel](#)) (timeslot inverted with Julia Steinberger)
- **Julia STEINBERGER** (Professor of Ecological Economics, Lausanne University) (confirmed): **Urgent need for post-growth climate mitigation scenarios**, ([Urgent need for post-growth climate mitigation scenarios | Nature Energy](#)), [Living Well Within Limits \[LiLi\] : Homepage of the LiLi Leverhulme Research Leadership Award Project \(leeds.ac.uk\)](#)
- **Christine CORLET WALKER** (PhD Researcher with CUSP | Centre for the Understanding of Sustainable Prosperity, Surrey University) (confirmed): **Welfare systems without economic growth: A review of the challenges and next steps for the field**, ([Welfare systems without economic growth: A review of the challenges and next steps for the field - ScienceDirect](#))
- **Mario PANSERA** (Distinguished Researcher, University of Vigo) (confirmed): **Examining the role of innovation in a post-growth era**, ([Prospering without growth: Science, Technology and Innovation in a post-growth era | PROSPERA Project | Fact Sheet | H2020 | CORDIS | European Commission \(europa.eu\)](#), [Dr Mario Pansera – Post-Growth innovation Lab \(uvigo.es\)](#))

- **Hans STEGEMAN** (Chief Investment Strategist, Triodos Investment Management) (confirmed, by video): **Reset the economy - Investing in radical change**, [Investing in radical change \(triodos-im.com\)](https://www.triodos-im.com), [Hans Stegeman van Triodos Investment Management vertelt over een nieuw economisch systeem - YouTube](https://www.youtube.com/watch?v=...)
- **Zora KOVACIC** (Postdoctoral Researcher, Univesitat Oberta de Catalunya) (confirmed): **Growth without economic growth**, [Growth without economic growth — European Environment Agency \(europa.eu\)](https://europeanenvironmentagency.eu)
- **Alessio TERZI** (Economic Analyst, DG ECFIN) (confirmed): **Economic Policy-Making Beyond GDP**, [Economic Policy-Making Beyond GDP: An Introduction | European Commission \(europa.eu\)](https://ec.europa.eu/economy_finance/economic-policy-making-beyond-gdp); [Growth for Good — Alessio Terzi | Harvard University Press](https://www.harvard.edu/growth-for-good)

#### Response and conclusions (8 minutes each)

- **Sandrine DIXSON-DECLEVE** (Co-president Club of Rome) (confirmed): **21st Century Transformational Economics**, ([About Us — Earth4All](https://earth4all.org))
- **Roman ARJONA** (Chief Economist DG GROW) (confirmed): **EU Green Deal and beyond - Towards a regenerative wellbeing economy?**

#### Q&A/Discussion

Moderation of the event: Thomas Arnold, Advisor Sustainable Development Goals, DG R&I

# Doughnut economics - Update for Policymakers

Date: 10 March 2022 14-16h CET (Teams)

- Recording link (public) [Doughnut Economics – an Update for Policymakers - Streaming Service of the European Commission \(europa.eu\)](#)
- Further info: [EU Commission experiments with Doughnut Economics | DEAL](#)
- Recording link DG Research and Innovation Library Talk 2020 [A COMPASS FOR THE 21ST CENTURY - WHY THE DOUGHNUT IS IMPORTANT FOR TRANSFORMATIVE R&I POLICY - Streaming Service of the European Commission \(europa.eu\)](#)



Picture Credit: Kate Raworth

DG Research and Innovation is offering a Knowledge Talk on “Doughnut Economics – Update for Policymakers” with [Kate Raworth](#), [Barbara Trachte](#) and other speakers from the [Doughnut Economics Action Lab \(DEAL\)](#) and [ZOE, Institute for Future-fit Economies](#). The target audience are all staff across the Commission and other EU institutions, whether or not they are involved directly in sustainability challenges.

In her keynote, **Kate Raworth** will provide an introductory big picture view on the concept of the Doughnut, recent developments and relevance for the EU. **Barbara Trachte** will share her perspective as a politician.

This will be followed by new insights on [updated national doughnuts](#), and a dive into different **possible application areas for the doughnut in EU policies and the Commission itself**. Speakers will propose perspectives on the doughnut as a [2030 compass](#) for Green Deal and other policy monitoring, the [city doughnut](#) and its relevance for the Horizon, how to engage with [business](#) and how an institutional doughnut could inform the Commission's Greening and Corporate Social Responsibility, and inspire green learning paths, system thinking and greening mindsets.

## Agenda

### Opening (5 minutes)

- **Jean-Eric PAQUET** (Director General DG Research and Innovation) (confirmed)

### Keynotes

- **Kate RAWORTH** (Oxford University, DEAL's Co-founder and Conceptual Lead) (confirmed): **Doughnut Economics – Overview, work to date, relevance for the EU** (15 min)
- **Barbara TRACHTE** (Secretary of State for Economic Transition and Research, Brussels Capital Region) (confirmed): **How Doughnut Economics can change politics** (8 min)

### Panel discussion (8 min per heading)

- **Andrew FANNING** (Leeds University, DEAL's Data Analysis and Research Lead) (confirmed): **Updated national doughnuts and what they reveal**, ([The social shortfall and ecological overshoot of nations | Nature Sustainability](#))
- **Jonathan BARTH** (Managing Director, ZOE Institute for Future-fit Economies) (confirmed): **Recent work on the Doughnut as a 2030 compass for the EU** ([A Compass towards 2030 - Zoe. Institute for future-fit economies \(zoe-institut.de\)](#))
- **Leonora Grcheva** (DEAL's Cities and Regions Lead) (confirmed): **Cities and places putting the doughnut into practice - takeaways for Horizon 'Cities' mission** ([amsterdam-portrait.pdf](#) ([doughnuteconomics.org](#)) ([Home - BrusselsDonut](#)))
- **Erinch SAHAN** (DEAL's Business and Enterprise Lead) (confirmed): **How to engage with business - Doughnut Economics and enterprise design**
- **Gwenn Belbeoch** (DG HR, penholder for the communication on Greening the Commission) / **Christoph GRAN** (Partner and Postdoctoral Researcher, ZOE Institute for Future-fit Economies): **The Commission's Greening and Corporate Social Responsibility - a Doughnut Economics perspective** (confirmed)
- **Viktoria KOVACS** (Policy Coordinator - Horizontal projects/organisational development, SecGen) , **Obhi Chatterjee** (Head of Sector for Learning Technologies, DG HR): **How an 'institutional doughnut' approach could support greening our mindsets and co-creating greening** (confirmed)

**Breakout groups: Discussion with speakers/targeted Q&A** (20 min) (see details below)

**Feedback to plenary by speakers on key issues** (10 minutes) (moderation by ZOE)

## Conclusion

- **Matthew BALDWIN** (Deputy Director General, DG MOVE) (confirmed) in conversation with **Kate RAWORTH** and **Barbara TRACHTE** (5 min)

## Slido and breakout rooms

During the keynote and panel sessions, participants can use **Slido** to submit questions and vote on them. Speakers and panellists will answer highest ranked and most relevant questions in **break-out rooms**. Participants are assigned to PLENARY by default, unless they chose another breakout room<sup>[11](#)</sup>.

1. **The EU and the doughnut** (**Kate Raworth** and **Jonathan Barth**) – Moderation by *Thomas Arnold, DG R&I* (**PLENARY AND EU DOUGHNUT**)
2. **Doughnut economics data analysis** (**Andrew Fanning** – Moderation by *Anastasios Kentarchos, DG R&I*) (**DATA ANALYSIS**)
3. **Cities and regions & the Doughnut** (**Leonora Grcheva** and **Barbara Trachte**) – Moderation by *Coline Lavorel, ZOE* (**CITIES**)
4. **Companies & the Doughnut** (**Erinch Sahan**) – Moderation by *Andrea Ceglia, DG R&I* (**COMPANIES**)
5. **Towards an EU Institutional doughnut** (**Gwenn Belbeoch, Christoph Gran, Viktoria Kovacs,** and **Obhi Chatterjee**) – Moderation by *Christoph Gran, ZOE* (**INSTITUTIONAL DOUGHNUT**)

## Event moderation.

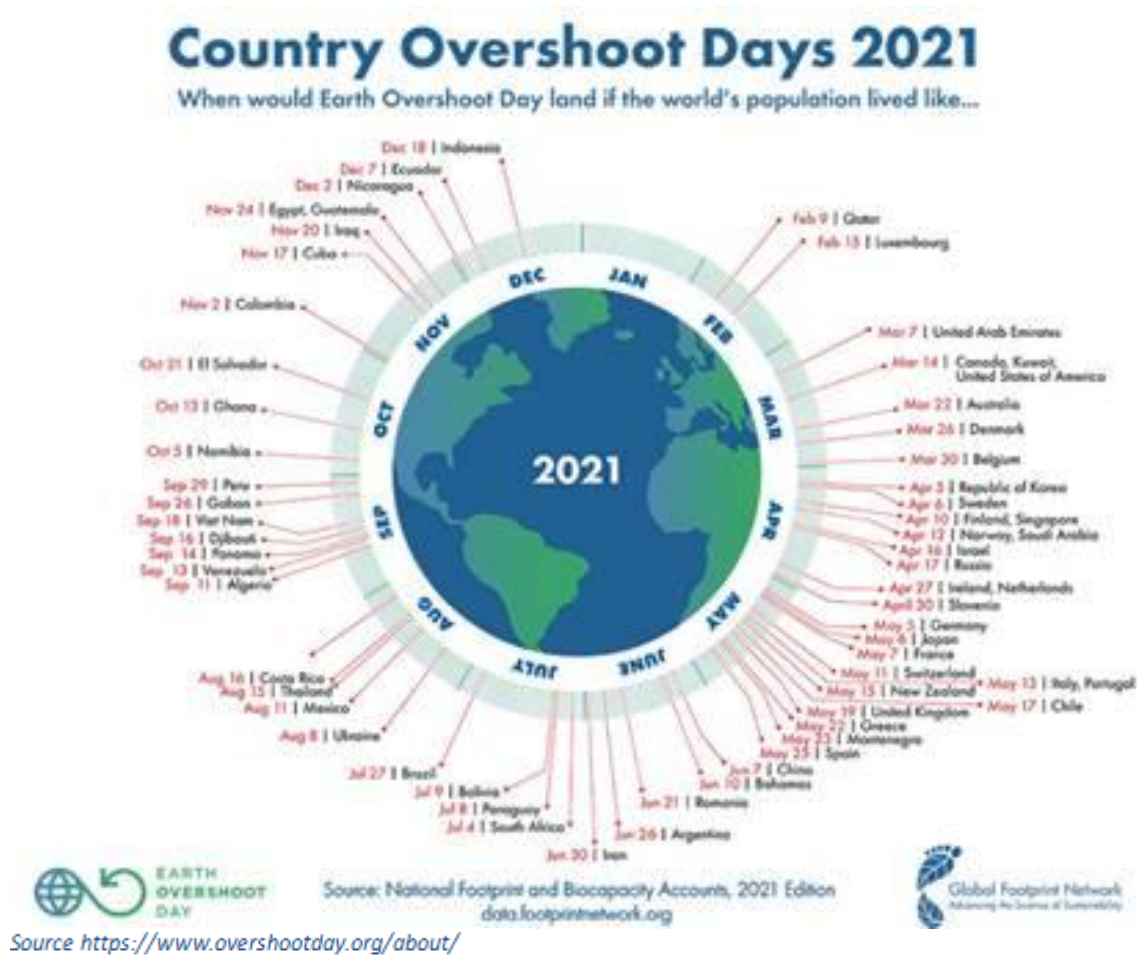
The event is co-moderated by **Thomas Arnold**, Advisor Sustainable Development Goals, DG Research and Innovation together with **Jakob Haefele**, Managing Director of ZOE.

Technical assistance is provided by Jerome Spaans, DG Research and Innovation, together with Lydia Korinek, Research Assistant at ZOE.

# Knowledge for SDGs (part 5): Inequalities, planetary pressure and lifestyle

Date: 17 May 2022, 14-16h CET (Teams)

- Recording link (public) [Knowledge for SDGs \(part 5\): Inequalities, planetary pressure, and lifestyles - Streaming Service of the European Commission \(europa.eu\)](https://ec.europa.eu/eip/knowledge-for-sdgs)



DG Research and Innovation is offering another virtual training event on **“Inequalities, planetary pressure and lifestyles”**, in the context of its Knowledge Talks. The target audience are all policy officers involved in or curious about knowledge for SDGs and, more widely, in SDG-relevant EU policies, including those beyond the Green Deal implementation. Participants will gain new insights about inequalities as a research and major policy challenge for the achievement of a range of EU policy priorities.

The course will bring together insights on inequalities and their systemic links to planetary pressure and lifestyles. It will depict how these issues affect climate action, the EU Green Deal objectives and many other policy priorities.



Recent findings reveal large and increasing inequalities, not only in income and wealth, but also in per capita consumption-based carbon footprints and planetary pressure. Addressing large inequalities in carbon emissions is essential for tackling climate change. The 2022 World Inequality report highlights that global income and wealth inequalities are tightly connected to ecological inequalities and to inequalities in contributions to climate change. *“The top 10% of emitters are responsible for close to 50% of all emissions, while the bottom 50% produce 12% of the total”* ([The World Inequality Report 2022 presents the most up-to-date & complete data on inequality worldwide](#)).

To better capture global inequality in carbon emissions, is there a need to shift from territorial to net emissions by individuals? (<http://hdr.undp.org/sites/default/files/hdr2020.pdf>, Ch. 7.2). Will targeting the “super-rich” ([Shift the focus from the super-poor to the super-rich | Nature Climate Change](#)) enhance overall credibility of and trust into policies “in the interest of ‘the people’”? ([Populism and Carbon Tax Justice: The Yellow Vest Movement in France | Social Problems | Oxford Academic \(oup.com\)](#)). Innovative policy responses will be discussed to tackle inequalities and support 1.5°C lifestyles within a fair consumption space for all ([1.5-Degree Lifestyles Report | Hot or Cool](#)).

## Agenda

### Opening (3 minutes)

- **Thomas ARNOLD** (Advisor Sustainable Development Goals, DG R&I) (confirmed)
- **Anastasios KENTARCHOS** (Advisor Climate Science and Innovation, DG R&I) (confirmed)

### Panel 1: Insights and recommendations (5 minutes each) (moderation Thomas ARNOLD)

- **Clara MARTÍNEZ-TOLEDANO** (Imperial College Business School & World Inequality Lab, Assistant Professor of Financial Economics) (confirmed): **World Inequality Report 2022**, [The World Inequality Report 2022 presents the most up-to-date & complete data on inequality worldwide](#); [Home - WID - World Inequality Database](#)
- **Tim GORE** (Institute for European Environmental Policy, Head of Programme Climate and Circular Economy) (confirmed): **Carbon inequality and the 1.5C goal**, [Carbon inequality in 2030 | Oxfam International](#), [Carbon emissions of richest 1% set to be 30 times the 1.5°C limit in 2030 | Oxfam International](#), [Carbon inequality in 2030: Per capita consumption emissions and the 1.5C goal \(ieep.eu\)](#),
- **Alessandro GALLI** (Global Footprint Network, Senior Scientist and Director, Mediterranean-MENA Programme) (confirmed): **Country and EU Member State Overshoot Days**, [About - Earth Overshoot Day](#), [Country Overshoot Days 2022 - Earth Overshoot Day](#)
- **Pedro CONCEIÇÃO** (United Nations Development Programme, Director Human Development Report Office) (confirmed): **Planetary Pressure adjusted Human Development Index**, [Planetary pressures-adjusted Human Development Index \(PHDI\) | Human Development Reports \(undp.org\)](#); [Human Development Reports \(undp.org\)](#)
- **Thomas WIEDMANN** (University of New South Wales, Sydney, Australia, Professor of Sustainability Research, Sustainability Assessment Program) (confirmed, by video): **Scientists warning on affluence**, [Scientists’ warning on affluence | Nature Communications](#)
- **Daniel DRISCOLL** (University of California San Diego, Climate Change, Political Economy, & Social Movements) (confirmed): **The Yellow Vest Movement in France**, [Populism and Carbon Tax Justice: The Yellow Vest Movement in France | Social Problems | Oxford Academic \(oup.com\)](#),

- **Ilona M. OTTO** (Wegener Center for Climate and Global Change at the University of Graz, Head of Social Complexity and System Transformation Research Group) (confirmed): **Shift the focus from the super-poor to the super-rich**, [Shift the focus from the super-poor to the super-rich | Nature Climate Change](#)
- **Kristian S. NIELSEN** (University of Cambridge, Postdoctoral research associate at the Cambridge Social Decision-Making Lab) (confirmed): **The role of high-socioeconomic-status people in greenhouse gas emissions**, [The role of high-socioeconomic-status people in locking in or rapidly reducing energy-driven greenhouse gas emissions | Nature Energy](#)
- **Francesco FUSO NERINI** (KTH Royal Institute of Technology, Associate Professor Energy Systems, Director of KTI Climate Action Centre, Stockholm) (confirmed): **Personal carbon allowances revisited**, [Personal carbon allowances revisited | Nature Sustainability](#)
- **Peter NEWELL** (University of Sussex, Professor of International Relations, co-founder and research director of the Rapid Transition Alliance) (confirmed): **Cambridge Sustainability Commission on Scaling Behaviour Change**, [Cambridge-Sustainability-Commission-on-Scaling-behaviour-change-report.pdf \(rapidtransition.org\)](#)
- **Elisabeth DÜTSCHKE** (Fraunhofer Institut für System und Innovationsforschung, Leiterin des Geschäftsfelds Akteure und Akzeptanz in der Transformation des Energiesystems) (confirmed): **Sufficiency lifestyles as an option for decarbonisation**, [Fundamental Decarbonisation Through Sufficiency By Lifestyle Changes | FULFILL Project | Fact Sheet | H2020 | CORDIS | European Commission \(europa.eu\)](#), [FULFILL - Fundamental Decarbonisation Through Sufficiency By Lifestyle Changes - Fraunhofer ISI](#)
- **Lewis AKENJI** (Hot or Cool Institute Berlin, Managing Director) (confirmed): **1.5-Degree Lifestyles: Towards a Fair Consumption Space for All**, [1.5-Degree Lifestyles Report | Hot or Cool](#), [Policies and tools for mainstreaming 1.5° Lifestyles | EU 1.5 Lifestyles Project | Fact Sheet | H2020 | CORDIS | European Commission \(europa.eu\)](#)

**Panel 2: Policy responses** (5 minutes each) (moderation Anastasios KENTARCHOS)

- **Jim DRATWA** (Secretary of the European Group on Ethics, DG R&I) (confirmed) ([Values for the future - Publications Office of the EU \(europa.eu\)](#))
- **Frank SIEBERN-THOMAS** (Head of Unit Fair Green and Digital Transitions, Research, DG EMPL) (confirmed)
- **Humberto DELGADO ROSA** (Director Biodiversity, DG ENV) (confirmed)
- **Clara DE LA TORRE** (Deputy-Director General, DG CLIMA) (confirmed)

**Q&A/Discussion relating to both panels**

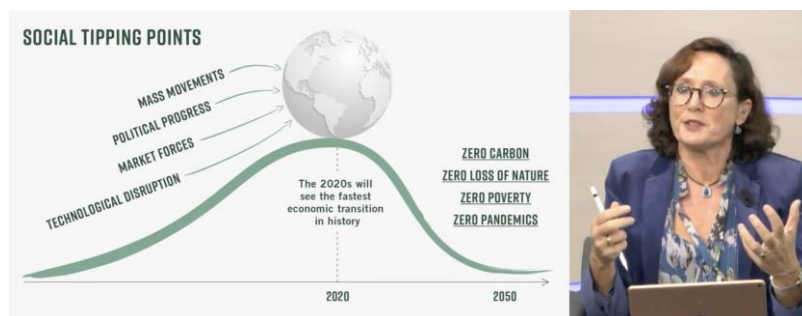
(Slido link: <https://app.sli.do/event/e8RQHHtH5Hzt5M1FCmPBHy>, Slido code: 396984)

[ZOE Institute for future-fit economies](#) will provide support for the management of Q&A and timekeeping. Christoph Gran will also briefly introduce their own work on [1.5°C lifestyles](#).

## Knowledge for SDGs (part 6): Tipping points – threat and opportunity

**Date: 7 June 2022, 14-16h CET (Teams)**

- Recording link (public): [Knowledge for SDGs \(part 6\): Tipping points – threat and opportunity - Streaming Service of the European Commission \(europa.eu\)](#)
- Article in Horizon Magazine: [‘Tipping points’ lead to irreversible shifts - climate experts | Research and Innovation \(europa.eu\)](#)



Source: <https://twitter.com/ClimateActionED/status/1329449065462059011?s=20&t=MzVNZ30Ee1WgXo-YC9JxRg>

DG Research and Innovation is offering another virtual training event on **“Tipping points – threat and opportunity”**, in the context of its Knowledge Talks. The target audience are all policy officers involved in or curious about knowledge for SDGs and, more widely, in SDG-relevant EU policies, including those beyond the Green Deal implementation.

Participants will gain new insights about **earth system tipping points** as a threat to human civilization ([Johan Rockström: 10 years to transform the future of humanity -- or destabilize the planet | TED Talk](#)) and the power of **social tipping points** as an opportunity to leverage unprecedented transformation urgently needed to address the planetary emergency. ([Operationalising positive tipping points towards global sustainability | Global Sustainability | Cambridge Core](#)) The issues discussed are central to all EU policy objectives and priorities, and more widely to the survival of human civilisation, as we know it.

After two high level keynotes by Johan Rockström and Tim Lenton, a panel will present insights and different perspectives on social tipping points to leverage **transformative change** at the speed and scale required. There is now an increasing wealth of scholarship on social tipping points whereby relatively small interventions allow to push systems beyond a point where they turn, upwards or downwards, into a new regime. Given the scale and urgency of the planetary emergency and climate change, research has also addressed conditions for wider system transformations or overhauls through social tipping processes and tipping cascades.

Will this be enough to turn the ship? What will be the role of the EU to orchestrate transformative action? How can democracy cope with the challenges? How does sustainability transformation look like from the global South? It is now or never if we want to limit global warming to 1.5°C the latest IPCC report on mitigation ([Climate Change 2022: Mitigation of Climate Change \(ipcc.ch\)](#)) clearly states; global GHG emissions need to peak between 2020 and at the latest before 2025 to limit warming to 1.5°C with no or limited overshoot. Demand and services have the potential to bring down global emissions by 40-70% by 2050.

This talk will conclude the series of SDG Knowledge Talks.

## Agenda

### Opening (3 minutes)

- **Thomas ARNOLD** (Advisor Sustainable Development Goals, DG R&I) (confirmed)
- **Anastasios KENTARCHOS** (Advisor Climate Science and Innovation, DG R&I) (confirmed)

### Keynotes (10 minutes each)

- **Johan ROCKSTRÖM** (Director PIK, Potsdam) (confirmed): **Tipping towards hothouse Earth** ([Johan Rockström: 10 years to transform the future of humanity -- or destabilize the planet | TED Talk](#))
- **Timothy M. LENTON** (Director of the Global Systems Institute and Chair in Climate Change and Earth System Science, University of Exeter) ((confirmed): **Operationalising positive tipping points towards global sustainability**, [Operationalising positive tipping points towards global sustainability | Global Sustainability | Cambridge Core](#), [Full article: Upward-scaling tipping cascades to meet climate goals: plausible grounds for hope \(tandfonline.com\)](#)

### Q&A

### Panel discussion: Social tipping points for unprecedented change (5 minutes each)

- **Damon CENTOLA** (Professor in the Annenberg School for Communication, the Department of Sociology, and the School of Engineering and Applied Sciences at the University of Pennsylvania, Director of the Network Dynamics Group) (confirmed, by video): **Experimental evidence for tipping points in social convention**, [Experimental evidence for tipping points in social convention \(science.org\)](#), [Tipping point for large-scale social change? Just 25 percent | Penn Today \(upenn.edu\)](#), [Change: How to Make Big Things Happen – NETWORK DYNAMICS GROUP \(upenn.edu\)](#)
- **Ilona OTTO** (Professor in Societal Impacts of Climate Change at the Wegener Center for Climate and Global Change, University of Graz, Lead of research group focusing on Social Complexity and System Transformation) (confirmed): **Social tipping dynamics for stabilizing Earth's climate by 2050**, [Social tipping dynamics for stabilizing Earth's climate by 2050 | PNAS](#), [Social tipping mechanisms could spark societal change - Stockholm Resilience Centre](#)
- **Keith SMITH** (Senior Researcher in the International Political Economy/International Environmental Politics group at the Center for Comparative and International Studies (CIS), ETH Zürich) (confirmed): **Social tipping processes towards climate action: A conceptual framework**, [Social tipping processes towards climate action: A conceptual framework - ScienceDirect](#)
- **Mathew IVES** (Complexity Economist, Institute for New Economic Thinking, Oxford Martin School, University of Oxford, Director for Economic Strategy for the Department of the Premier and Cabinet in the South Australian Government) (confirmed): **Sensitive intervention points in the post-carbon transition**, [Sensitive intervention points in the post-carbon transition \(science.org\)](#)

- **Renata AVILA** (CEO Open Knowledge Foundation) (confirmed, by video): **Decolonize our future – An international, digital and feminist Green New Deal**, [Decolonise our future | openDemocracy](#)
- **Melissa MBUGUA** (Cultural Entrepreneur, Nairobi, Kenya, Advisory Board Creatives for Climate) (confirmed): **Inclusion of Africans in the Global Environmental Movement**, [The Global Environmental Movement Needs African... | pebble magazine](#) [Melissa Mbugua](#)
- **Femke SLEEGERS** (Initiator/coordinator Reclame Fossilvrij & Social Tipping Point Coalitie, Netherlands) (confirmed, by video): **Getting social tipping points into governments climate strategies**, [Centre research on social tipping points inspires push for new Dutch climate strategy - Stockholm Resilience Centre](#), [Social Tipping Point Coalitie | Open brief aan Mariëtte Hamer](#), <https://socialtippingpointcoalitie.nl/wp-content/uploads/2021/11/Social-Tipping-Point-Coalitie-Ondertiteld.mp4>
- **Sophie THOMPSON** (IPSOS, Public Affairs) (confirmed), **Owen GAFFNEY** (Director of international media and strategy, Stockholm Resilience Centre, Global Commons Alliance) (confirmed): **Global Commons Survey: Attitudes to Transformation and Planetary Stewardship**, [Global Commons Survey: Attitudes to Transformation and Planetary Stewardship | Ipsos](#), [73% of people believe Earth approaching tipping points, according to international survey - Global Commons Alliance](#)
- **David MAIR** (Head of Unit Knowledge for Policy: Concepts and Methods, JRC): **Deliberative democracy for social transformation – Engaging the unconvinced?** (confirmed)

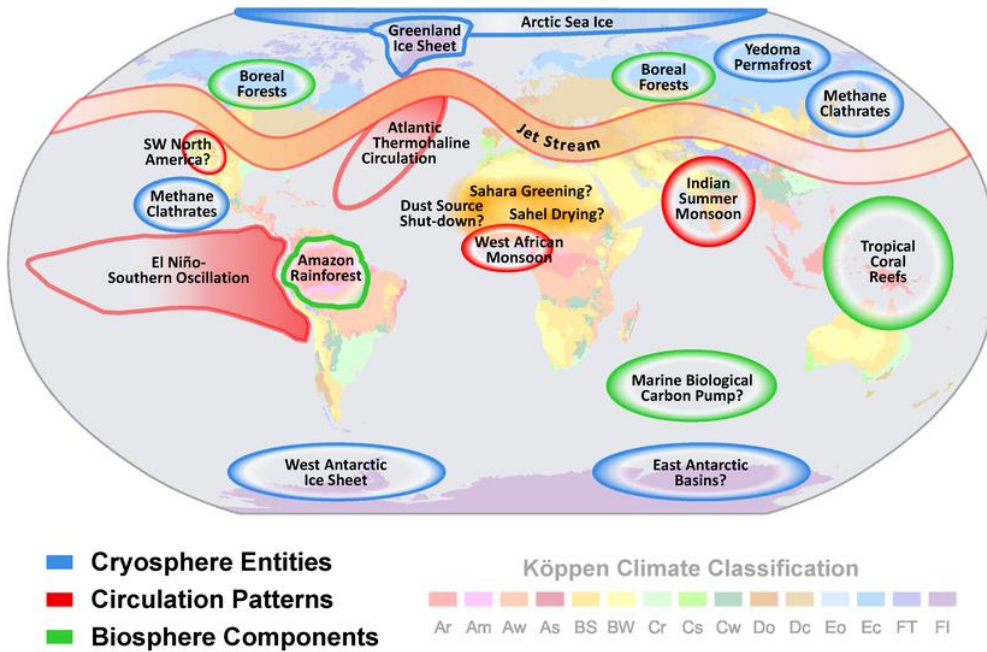
#### Responses from science and policy: Turning the Ship (8 minutes each)

- **Sandrine DIXSON-DECLÈVE** (Co-president Club of Rome) , [Wellbeing for all within the planetary boundaries — Earth4All](#), [Transformational Leadership: Race to Zero Dialogues Closing Session - YouTube](#) (confirmed)
- **Jean-Eric PAQUET** (Director General DG Research and Innovation) (confirmed)

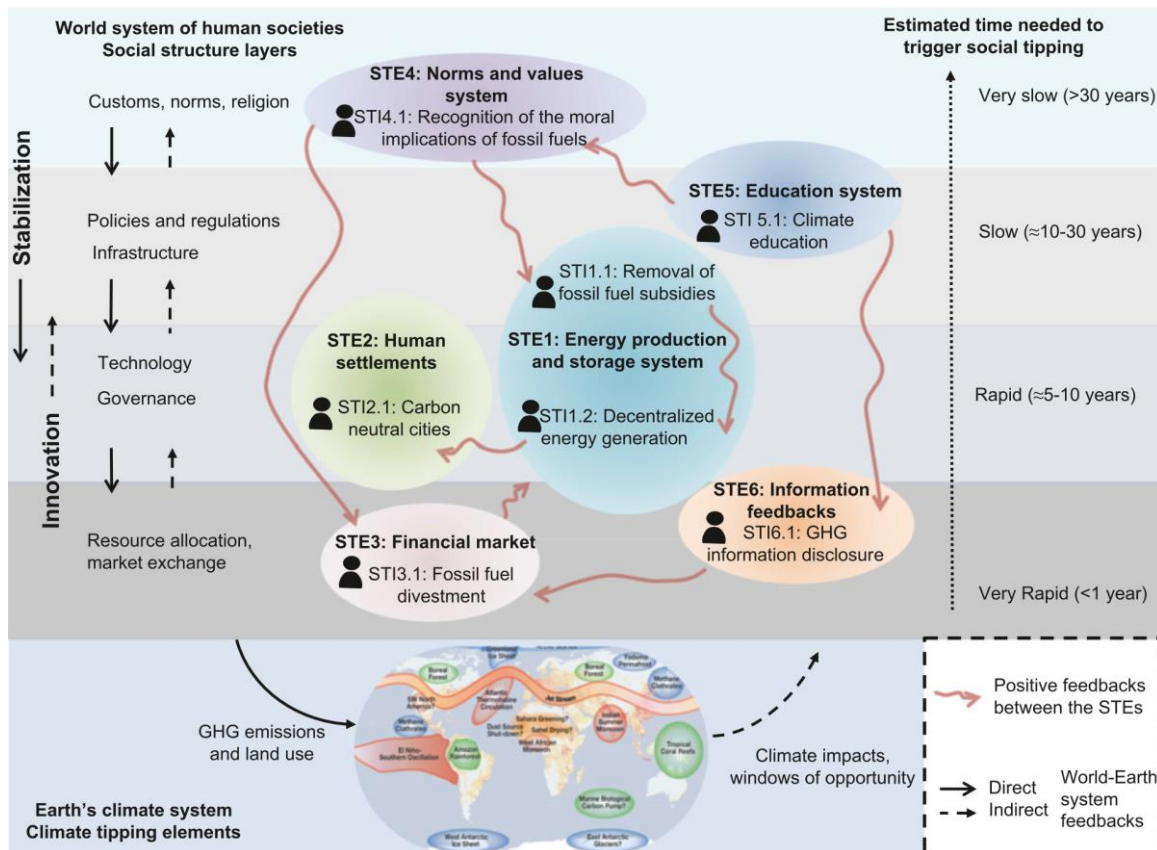
#### Q&A/Discussion

The Q&A will be handled *via* Slido. The Slido code is 5742512. Please go to [www.sli.do](http://www.sli.do) and input the code.

## Background



Reference: [Tipping Elements - the Achilles Heels of the Earth System — Potsdam Institute for Climate Impact Research \(pik-potsdam.de\)](https://www.pik-potsdam.de/en/research-projects/tipping-elements)



Reference: [Social tipping dynamics for stabilizing Earth's climate by 2050 | PNAS](https://www.pnas.org/doi/10.1073/pnas.2008888117)