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Conference Back to Back with COP 23

“Climate Action and Human Wellbeing at a Crossroads: Historical Transformation or Backlash?”

Draft Programme

4-5 November 2017, Bonn

Climate Action and Human Wellbeing at a Crossroads: Historical Transformation or Backlash?

4-5 November 2017, Maritim Hotel Königswinter, Germany

Draft Programme – Overview

Saturday, 4 November 2017

08:00	Registration and Welcome Coffee		
09:00-09:50	Opening Plenary: Climate Action and Human Wellbeing at a Crossroads – Historical Transformation or Backlash?		
09:50-10:40	Plenary 1: Paris Agreement and 2030 Agenda – From Vulnerabilities to Opportunities		
10:40-11:10	Coffee Break		
11:10-12:40	Parallel Sessions A: The Transformation is Happening – Innovations as Drivers for Change and Sustainability		
	1. <i>Transforming the Urban Landscape – Re-imagining the Future towards Zero Carbon</i>	2. <i>Mobility – From Challenges to Transformation</i>	3. <i>Financing the Transformation – Sharing Global Responsibility</i>
	Lunch Break		
12:40-13:40	Lunch Break		
13:40-14:40	Plenary 2: Visions for a Sustainable Future		
14:45-14:55	Transition Break		
14:55-16:25	Parallel Sessions B: Scaling up the Transformation – Key Sectors to Zero Emissions		
	4. <i>Energy System Transformation Drivers</i>	5. <i>Feeding Everyone and the Next Generations – Sustaining People and the Planet</i>	6. <i>Building Transformative Networks</i>
	Coffee Break		
16:25-16:55	Coffee Break		
16:55-17:55	Plenary 3: The Digital Revolution for Sustainability		
19:00	Conference Dinner		

Sunday, 5 November 2017

08:30	Registration and Welcome Coffee		
09:00-09:20	Welcome and Introduction by the Conference Chairs		
09:20-10:20	Plenary 4: Multilateralism at a Crossroads – What is at Stake?		
10:20-10:50	Impulse: Perspectives from the USA		
10:50-11:10	Coffee Break		
11:10-12:40	Parallel Sessions C: Key Challenges for the Transformation Towards Sustainability		
	7. <i>Pluralism of World Order Concepts – Reservoir of Cooperation or Amplifier of Conflict?</i>	8. <i>The Challenge of Poverty and Rising Inequalities – Threat to Peace, Human Wellbeing, Sustainability and SDGs</i>	9. <i>Stories and Narratives – Journalism in Times of Transformation</i>
	Lunch Break		
12:40-13:40	Lunch Break		
13:40-14:40	Plenary 5: Creative Arts for the Transformation – The Role of Culture and the Arts		
14:40-15:10	Coffee Break		
15:10-16:10	Plenary 6: Further and Faster – Strategies and Enabling Conditions for an Accelerated Transformation!		
16:10-17:00	Closing Plenary: Establishing a Culture of Global Cooperation – Together We Can Achieve the Transformation!		

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Draft Programme

Saturday, 4 November 2017

08:00	Registration and Welcome Coffee
09:00-09:50	<p>Opening Plenary: Climate Action and Human Wellbeing at a Crossroads – Sustainability Transformation or Backlash?</p> <p>Moderator: Dirk Messner (DIE), Nebojsa Nakicenovic (IIASA)</p> <p>Speakers: Patricia Espinosa (UNFCCC), Ambassador Ronny Jumeau (Permanent Representative of the Seychelles to the United Nations)</p>
09:50-10:40	<p>Plenary 1: Paris Agreement and 2030 Agenda – From Vulnerabilities to Opportunities</p> <p>Moderator: Andrew Revkin (ProPublica)</p> <p>Speakers: Ottmar Edenhofer (MCC), Naoko Ishii* (GEF), Stefan Rahmstorf (PIK), Leena Srivastava (TERI University)</p> <p>Narrative: The debate will focus on “the need for transformation – opportunities of the sustainability transformation”. The framing of the main challenges, key options, and significant benefits of sustainability transformation will combine three different topics:</p> <ul style="list-style-type: none"> • <i>The Earth System</i> – Fundamental questions are: How do the necessary time scales for stabilising the earth system look like? Is a 1.5 - 2 degree cap still feasible and sufficient to avoid dangerous climate change? Is full decarbonisation by 2050 the overarching goal? • <i>Society and People-centred Perspectives</i> – Fundamental questions are: How can decarbonisation and circular economy efforts be systematically linked to people-centred development, fighting poverty, reducing inequalities, and improving resilience and quality of life? Do the 2030 Agenda and the Paris Agreement compete with or reinforce each other? • <i>The Economy and Technology</i> – Fundamental questions are: How can we accelerate economic transformation towards decarbonisation and new technological systems, build circular economies by mid-century and foster in parallel employment and inclusive societies?
10:40-11:10	Coffee Break
11:10-12:40	<p>Parallel Sessions A: The Transformation is Happening – Innovations as Drivers for Change and Sustainability</p> <p>1. Transforming the Urban Landscape – Re-imagining the Future towards Zero Carbon</p> <p>Co-organiser: Stiftung Mercator</p> <p>Moderator: Sven Egenter* (CLEW)</p> <p>Speakers: Nawal Al-Hosany (Masdar), Ani Dasgupta (WRI Ross Center), Pan Jiahua* (CASS), Maryke van Staden (ICLEI), Tina Völker (Ministry of Economics, Innovation, Digitalisation and Energy, State of North Rhine-Westphalia)</p> <p>Narrative: From a spatial perspective, cities are one of the main contributors of greenhouse gas emissions and environmental pollution. At the same time, they are the world’s biggest concentration of living labs that accelerate and scale-up the transformation in key sectors. The adjustment of existing physical patterns, layouts, and structures of cities in OECD countries, and innovative planning in urban areas of the Global South, offer tremendous potential for</p>

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sustainable development. Furthermore, cities are a source of social innovation, acting as hubs of creative debate and pioneering spirit. We will examine experiences, challenges and possible solutions for transforming the urban landscape.

- How can we imagine a worldwide decarbonisation of cities by 2050 and what are the best practice examples in order to trigger an urban sustainability transformation in key sectors such as green buildings, transport, energy and digitisation?
- How can a city's specific character and the broad support of its citizens be maintained when developing and implementing a sustainable urban environment?
- How can we overcome path-dependencies and lock-in effects?
- How can we ensure the financial means for transforming urban landscapes in both the Global North and South?
- How can we effectively organise and encourage knowledge sharing between cities and regions?
- How can political networks at the city and the regional level support the acceleration and scaling-up of the transformation in parallel with nation states?

2. *Mobility – From Challenges to Transformation*

Moderator: Maja Göpel (WBGU)

Speakers: Christian Hochfeld (Agora Verkehrswende), Daniel Mittler (Greenpeace), Gerhard Prätorius (Volkswagen)

Narrative: In some industrialised countries and emerging economies, particularly China, the combustion engine is on the path to being phased out. However, making the mobility sector more sustainable is not only a question of new technologies and alternative fuels; it is also a question of existing and future infrastructure, governance mechanisms, multiple North-South divides, costs of world trade logistics, and individual behaviour. Although the challenges are extensive, so are the successes in recent years. The session will focus on positive examples and strategies aimed at transforming and overcoming obstacles within the mobility sector.

- What are the most promising examples and visions of decarbonising passenger transport (e.g. e-mobility, widely accepted and used public transport, new approaches of shared transport)?
- How can we make sure that fundamental mobility decisions in the Global South follow sustainable mobility patterns from the start? Additionally, how can we ensure that feasible governance mechanisms support sustainable mobility in different cultural and geographic (urban-rural) circumstances?
- Should we reduce trade and favour local value chains to reduce worldwide transport?
- In addition to infrastructure and governance, mobility is part of any wellbeing approach. Thus, how do we align mobility opportunities with health issues, and with multi-level ecosystem-boundaries?

3. *Financing the Transformation – Sharing Global Responsibility*

Moderator: NN*

Speakers: Ottmar Edenhofer (MCC), Marc Fleurbaey (Princeton University), Stephanie Griffith-Jones (Columbia University), Inge Kaul (Hertie School of Governance), Gabriela Ramos (OECD), Vera Songwe* (ECA)

Narrative: 'Today's financial system is failing the sustainability test' states UNEP's report *Imagining the Financial System*. Path-dependencies, short-termism, and limited incentives for green investments are only some key reasons for this. However, the hardware and software

	<p>required to make the transformation a reality is in many cases market-ready and competitive, for example in renewable energy, sustainable buildings and mobility.</p> <ul style="list-style-type: none"> • How can financial decisions be steered, on different levels and by different actors, from unsustainable to sustainable investments? Which governance mechanisms are needed? What reforms of national and international financial markets could aid in making the Paris Agreement and the Agenda 2030 Targets integral to large-scale investment strategies? • Can we ensure global solidarity between affluent and poor regions/countries by supporting vulnerable nations and actors in building resilient societies?
12:40-13:40	Lunch Break
13:40-14:40	<p>Plenary 2: Visions for a Sustainable Future</p> <p>Moderator: Andrew Revkin (ProPublica)</p> <p>Speakers: Inger Andersen (IUCN), Pascale Ehrenfreund (DLR), Ottmar Ete (University of Potsdam), Johan Rockström (SRC), Jeffrey Sachs (Special Advisor to UN Secretary-General on the SDGs), Youba Sokona (The South Centre)</p> <p>Narrative: The transformation towards sustainability does not only require out-of-the-box thinking in areas such as institutional and financial reforms, technical innovations, or environmental governance. It is also a question of changing fundamental mind-sets and narratives which form the basis of unsustainable decisions in everyday life.</p> <ul style="list-style-type: none"> • How can we imagine sustainable futures? Is a new social contract for global sustainable transformations emerging? How can we invest in new cultures of sustainability, cooperation and the global commons? • How can a people-centred understanding of wellbeing, beyond GDP and sustainable consumption patterns, gain momentum? • How can we ensure sustainable use of local and global common-pool resources and public goods? • When approaching global challenges how can we overcome - or at least reduce - political myopia in state and national policy development?
14:40-14:55	Transition Break
14:55-16:25	<p>Parallel Sessions B: Scaling up the Transformation – Key Sectors to Zero Emissions</p> <p>4. Energy System Transformation Drivers</p> <p>Moderator: Tareq Emtairah (UNIDO)</p> <p>Speakers: Carol Dumaine (SAIS), Dolf Gielen (IRENA), Christine Lins (REN21), Keywan Riahi (IIASA)</p> <p>Narrative: Without a rapid decarbonisation of energy systems, the Paris target of limiting global warming to well below 2 degrees Celsius will not be met. Fortunately, the energy sector has devised numerous sustainability breakthroughs in recent years, including improved efficiencies, decentralised energy production networks, and competitive renewable energy technologies. We have the technologies and the knowledge to transform our energy production and consumption patterns, but we must accelerate and scale-up efforts to put these discrete successes into broad transformative practice worldwide. We will identify strategies to accomplish this goal by discussing the following questions:</p> <ul style="list-style-type: none"> • How can large-scale and cross-border “smart” energy production and consumption become a global reality?

- Which pioneering sustainable energy infrastructure decisions are driving factors for global decarbonisation? How can we make them the first choice while investing in new energy infrastructure elsewhere?
- How can we prevent negative rebound and lock-in effects?
- Despite renewable energy technologies becoming increasingly competitive, nuclear is still on the rise in some regions of the world. How can we deal with this challenge?

5. *Feeding Everyone and the Next Generations – Sustaining People and the Planet*

Moderator: Inger Andersen (IUCN)

Speakers: Martina Fleckenstein* (WWF Germany), Pradeep Monga (UNCCD), Herbert Lust* (CI), Michael Obersteiner (IIASA)

Narrative: Climate policy, food security and nutrient planetary boundaries - are there complementarities? The world's diet is out of balance: food security and hunger remain top priorities in poorer countries, especially in Sub-Saharan Africa. Elsewhere, increased socio-economic development has led to unhealthy levels of meat consumption, putting additional pressure on land and water resources. The projected growth of the world population will further aggravate these problems. Above all, agriculture and land use are severely impacting the climate and causing direct consequences for both mitigation and adaptation to climate change, and vice versa. This panel will critically discuss the sustainable intensification needed to feed a growing world population whilst managing environmental externalities.

- How can we feed a growing world population and at the same time decarbonise the agricultural sector?
- How can we improve the quality of food services and food itself simultaneously?
- In which ways does intensification affect societies' potential to adapt to climate change?
- How do mitigation techniques and renewable energy influence food security?

6. *Building Transformative Networks*

Moderator: Michael Hoch (University of Bonn)

Speakers: Christoph Beier (GIZ), Raimund Bleischwitz (UCL), Heide Hackmann (ICSU), Cheikh Mbow (START International), Martin Visbeck (Geomar)

Narrative: To realise the transformation towards sustainability, it is not sufficient to apply some cosmetic changes here and there. Transformative change addresses entire systems and this requires overcoming traditional silos of thinking and action. Planetary boundaries have to be respected, while at the same time keeping in mind social inclusion, both locally and globally. In order to achieve sustainable development, we must dissolve the silos in our societies.

- What do transformative networks of actors look like and how do they emerge? What are good examples we can already learn from?
- Local, national and global actors from private and public sectors need to develop new practices of cooperation – do we have compelling success stories? Science has to work closely with stakeholders from politics, civil society and business, enabling mutual, accelerated learning processes – is science prepared for that?
- Which are the major challenges to the creation of transformative networks?
- Which silos have proven difficult to overcome?
- In which fields can transformative change through new networks already be observed?

16:25-16:55

Coffee Break

16:55-17:55

Plenary 3: The Digital Revolution for Sustainability

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Moderator: Andrew Revkin (ProPublica)

Speakers: Dirk Helbing* (ETH Zürich), Birgit Klesper (Deutsche Telekom), Ina Schieferdecker (FOKUS), Rita Schwarzelühr-Sutter (Parliamentary State Secretary at the German Federal Ministry for the Environment), Björn Stigson (former WBCSD President)

Narrative: Digitisation might help us solve many sustainability issues and align human action to the natural boundaries of our planet; it could emerge as the most underestimated driver of the transformation towards sustainability. Digital technology innovations such as precision farming, the internet of things, and great efficiency-gains via block chain might encourage this shift. On the other hand, digitisation is in many ways “uncharted territory” that entails fundamental challenges for the wellbeing of humans and the planet. Big-data driven surveillance, ethically questionable “enhancements of humans”, and the emergence of technical systems driven by artificial intelligence, which have been controlled by humans and their institutions in the past, are playing a greater role in society and need to be urgently debated. What appeared as science fiction only some years ago might become reality in the near to medium future. What could a sustainable digital age look like? This question goes beyond the 2030 Agenda and stimulates debate about the next generation of sustainability goals and discourses.

- In what way might the Digital Revolution turn out to be *the* key driver of a transformation towards sustainability?
- What are the most crucial drivers and risks of digital technologies for the wellbeing of humans and the planet?
- How can we govern the Digital Revolution in an anticipatory manner so that we may boost its transformative leverage and limit its dystopian threats?

19:00	Conference Dinner Tone Bjordam & Marten Scheffer (audio-visual input)
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* to be confirmed

Sunday, 5 November 2017

08:30	Registration and Welcome Coffee
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09:00-09:20	Welcome and Introduction by the Conference Chairs Moderators: Dirk Messner (DIE), Nebojsa Nakicenovic (IIASA), Reinhard Limbach (Mayor of Bonn)
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09:20-10:20	Plenary 4: Multilateralism at a Crossroads – What is at Stake? Moderator: Andrew Revkin (ProPublica) Speakers: Paula Caballero (WRI), Carlos Lopes (University of Cape Town), Jan Aart Scholte (University of Gothenburg), Olai Uludong (Permanent Representative of Palau to the United Nations) Narrative: To get technical and financial measures for transformation to sustainability into place, multilateral cooperation will be critical. However, nationalist governments and movements pursue a kind of “counter-transformation”, challenging any efforts to global cooperation and questioning both the scientific and ethical basis for climate and sustainability action. <ul style="list-style-type: none">• How do efforts to broaden global cooperation and nationalist counter-movements relate to each other?• Which dynamics of polycentric global governance can be observed despite the crisis of multilateralism?
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	<ul style="list-style-type: none"> • What are the prospects for global cooperation in the fields of climate and sustainability action in a nationalising world?
10:20-10:50	Impulse: Perspectives from the USA
10:50-11:10	Coffee Break
11:10-12:40	<p>Parallel Sessions C: Key Challenges for the Transformation Towards Sustainability</p> <p>7. <i>Pluralism of World Order Concepts – Reservoir of Cooperation or Amplifier of Conflict?</i> Co-organiser: Käte Hamburger Kolleg / Centre for Global Cooperation Studies (KHK/GCR21) Moderator: Sigrid Quack (KHK/GCR21) Speakers: Thomas Hale (Oxford University), Siddharth Mallavarapu (South Asian University), Janos Pasztor (C2G2), Jasdeep Randhawa (Global Diplomacy Lab) Narrative: All over the world, there are varying concepts for the future world order, and how future global governance should be configured. In the past it seemed clear that intensifying global interaction would lead to converging concepts of world order and global governance, yet in more recent years it has become evident that this is not the case. The future world order is open, contingent, and likely to be characterised by many diverging conceptions.</p> <ul style="list-style-type: none"> • Are diverging concepts of world order and global governance a driver of global cooperation, or will they frustrate the efforts to jointly address global challenges? • How can transnational cooperation be sustained amidst growing diversity of world order concepts? • How can the diversity of political cultures around the globe be aligned with the overarching goal of protecting the global commons? <p>8. <i>The Challenge of Poverty and Rising Inequalities – Threat to Peace, Human Wellbeing, Sustainability and SDGs</i> Moderator: NN* Speakers: Meagan Fallone* (CEO Barefoot College International), Ingrid Hoven* (BMZ), Jacob Rhyner (UNU-EHS), Roberto Ridolfi (DG DEVCO), Erika Rosenthal* (Earth Justice), Imme Scholz (DIE) Narrative: Two global agendas, one common goal: The Paris Agreement and the Agenda 2030 for Sustainable Development are guidebooks and perhaps even a new social contract to reform our societies for future peace and prosperity globally. This goal will only be reached if the two agendas are pursued simultaneously and holistically. While there is broad agreement on the interdependence of climate and sustainability action, coherent policy implementation is still limited in most countries. This is due to gaps in coordination among actors and institutions, and a tendency to focus on the places where policy is easy to implement while ignoring conflicting institutional objectives (e.g. decarbonisation vs. jobs in fossil industries or resource-based sectors) which hinder real progress.</p> <ul style="list-style-type: none"> • Where does the coherent implementation of the Agenda 2030 and the Paris Agreement work and why? What can be learned from these examples? • Are we lacking knowledge, institutions, information, and/or political will? What needs to be done to close these gaps? • How can we improve handling conflicting objectives between the two agendas?

9. Stories and Narratives – Journalism in Times of Transformation**Moderator:** Nick Nuttall (UNFCCC)**Speakers:** Andrew Revkin (ProPublica), Maren Urner (Perspective Daily)**Narrative:** A key function of journalism is to inform the public about ongoing crises and future dangers that the planet and its inhabitants have to face. In times of transformation, journalism can encourage the shift towards sustainability by reporting on sustainable solutions and discourses worldwide, whilst simultaneously providing multiple perspectives on challenges like poverty, inequality, bad governance and climate change. The key question is: Is the role of journalism changing in times of climate crisis, rising inequalities, planetary boundaries, and “country first” ideologies?

- Are journalists “neutral actors” or should they become drivers of change themselves?
- Does the 2030 Agenda and the Paris Agreement challenge the way we think about the role of media in our societies?
- Are concepts of “positive” and “constructive” journalism able to support sustainability transformations on a large scale?
- What new channels and formats can reach a wider audience and come along with digitisation (social media, role of influencers, augmented reality etc.)?

12:40-13:40

Lunch Break

13:40-14:40

Plenary 5: Creative Arts for the Transformation – The Role of Culture and the Arts**Moderator:** Andrew Revkin (ProPublica)**Speakers:** Tone Bjordam (artist), Marion Cotillard* (actor), Adrienne Goehler (ZNE!), A.G. Saño* (artist), Dirk Wilutzky (film producer and Oscar winner), The Yes Men***Narrative:** Sustainable development is waiting for us: We possess the knowledge, we have the technologies, we agreed on the roadmaps. Yet transformative change is painfully slow. Are expert round tables, scientific studies and strategic thinking enough? Are we disregarding the human dimension to sustainability and the power of emotions, imagination, creative habits, and culture? This panel features people who approach sustainable development from cultural angles.

- Is it necessary and/or possible to reconcile the rational and emotional dimensions of human nature as civilisation progresses?
- Historically, arts and culture have been important channels to explore social ills and imagine different futures. How could arts and culture become drivers of sustainable and resilient societies?

14:40-15:10

Coffee Break

15:10-16:10

Plenary 6: Further and Faster – Strategies and Enabling Conditions for an Accelerated Transformation**Moderator:** Andrew Revkin (ProPublica)**Speakers:** Hakima El-Haite (UN High Level Climate Champion), Leilani Farha (UN Special Rapporteur), Stéphane Hallegatte (World Bank), John E. Morton (former White House senior director for energy and climate change at the NSC), Dennis Snower (IfW Kiel), Vera Songwe* (ECA)**Narrative:** Throughout the past few decades the ideas, the knowledge, the frameworks, the tools, the policy options, and the technologies to realise the transformation towards sustainability have been developed. We can celebrate many sustainability pilots, sustainability pioneers, emerging sustainability narratives and agendas. However, the gaps between the ambitious 2030 Agenda and the goals of the Paris Agreement and current trends in many

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	<p>national markets and societies are still overwhelming. Implementing the Paris Agreement and the 2030 Agenda is about scale, acceleration, and extensive transformation. This session identifies the enablers of large-scale changes, drivers of accelerating progress, and examples of far reaching transformative changes towards sustainability.</p>
<p>16:10-17:00</p>	<p>Closing Plenary: Establishing a Culture of Global Cooperation – Together We Can Achieve the Transformation!</p> <p>Moderator: Dirk Messner (DIE), Nebojsa Nakicenovic (IIASA)</p> <p>Speakers: Achim Steiner (UNDP)</p> <p>Narrative: In this wrap up- session, the chairs of the conference will present the “Crossroads Memorandum”, which will be transmitted to the negotiators of COP 23, the leaders of G20, and to key international organisations. The memorandum will be discussed with Achim Steiner, Administrator of UNDP.</p>
<p>17:00 * to be confirmed</p>	<p>End of the Conference</p>