

**Third meeting of the structured expert dialogue
on the 2013-2015 review (SED 3)**

**Bonn, Germany
6 – 8 June 2014
Saal Schumann, Maritim Hotel**

Agenda

PART 1: Friday, 6 June (15.00 – 18.00 hrs)

15.00-15.10	Opening and welcome remarks
Setting the scene	
Outreach (15.10 - 15.30)	<p>Presentation by expert</p> <ul style="list-style-type: none"> • The overarching findings and new approaches of AR5 WGII that are relevant to both themes of the 2013–2015 review, Chris Field, IPCC
General discussion (15.30 - 15.40)	<p>Guiding questions</p> <ul style="list-style-type: none"> • What does the AR5 WGII tell us about the key risks, shifts in key risk patterns, and potential benefits related to climate change? • How can risks be reduced through adaptation and mitigation? • How reliable are the projections of risks and how can they be used for decision-making at the global level? • What are the options for managing risks through adaptation and sustainable development?
Theme 1 – The adequacy of the long-term global goal in light of the ultimate objective of the Convention	
Outreach (15.40 - 16.40)	<p>Presentations by experts</p> <ul style="list-style-type: none"> • Human interference with the climate system in view of a long-term global goal assuming various upper limits of global warming, Joern Birkmann, IPCC • Observed global impacts and projected key sectoral risk, and potential and opportunities for adaptation, Christian Huggel, IPCC • Observed regional impacts and projected key regional risks, and potential and opportunities for adaptation, Penny Urquhart, IPCC • Impacts on the world oceans, Hans-Otto Pörtner, IPCC
General discussion (16.40 - 18.00)	<p>All participants and experts (Chris Field, Christian Huggel, Penny Urquhart, Hans-Otto Pörtner, Joern Birkmann, Lennart Olsson, Purnamita Dasgupta, Balgis Osman-Elasha, Asunción Lera St. Clare, Koko Warner)</p> <p>Guiding questions</p> <ul style="list-style-type: none"> • What impacts has the world observed, and what are the projected key risks and opportunities for the natural, human and managed systems at various levels of temperature increase? • What is the regional variability of observed impacts and projected key risks and opportunities under various warming scenarios? • Is there a difference in impacts, on both oceans and land, of global warming of 1.5 °C and 2 °C relative to pre-industrial levels? • What level of warming could be interpreted as dangerous and for what reasons, considering associated scientific uncertainties?

	<ul style="list-style-type: none"> • What uncertainties remain? What is their role in a risk management context? Are they calling for a global policy response? • How do the above-mentioned findings relate to the adequacy of the long-term global goal in the context of policymaking in the UNFCCC process?
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PART 2: Saturday, 7 June (10.00 – 13.00 hrs)

Theme 2 - Overall progress made towards achieving the long-term global goal, including a consideration of the commitments under the Convention	
Outreach (10.00 - 11.00)	<p>Presentations by experts</p> <ul style="list-style-type: none"> • The link between socioeconomic pathways and climate change risks, Lennart Olsson, IPCC • Rural areas and human settlements, Purnamita Dasgupta, IPCC • Adaptation options, needs, opportunities and associated costs, Balgis Osman-Elasha, IPCC • Climate-resilient pathways: relationship between adaptation, mitigation, and sustainable development as treated by WG II, Asunción Lera St. Clare, IPCC
General discussion (11.00 - 13.00)	<p>All participants and experts (Chris Field, Christian Huggel, Penny Urquhart, Hans-Otto Pörtner, Joern Birkmann, Lennart Olsson, Purnamita Dasgupta, Balgis Osman-Elasha, Asunción Lera St. Clare, Koko Warner)</p> <p>Guiding questions</p> <ul style="list-style-type: none"> • What does the AR5 WGII tell us about the overall progress on adaptation in view of the long-term global goal? • What is the relationship between key climate risks and various levels of global temperature rise in the long term, including possible impacts beyond 2100? How can this be factored into policymaking under the UNFCCC? • What are the adaptation options, needs, opportunities and costs associated with the risks projected for the mitigation pathways for various levels of global mean warming? What are the differences in adaptation options, needs, opportunities and costs between groups of people at various income and development levels? • Are there differences in adaptation needs, opportunities and costs for long-term global warming of 1.5 °C and 2 °C relative to pre-industrial levels? • What types of adaptation are the most promising for coping with various climate change risks and for what reasons? Are the existing adaptation-related activities, particularly the support provided to developing countries, adequate and effective?

PART 3: Sunday, 8 June (10.00- 13.00 hrs)

10.00-10.10	Opening and welcome remarks
Setting the scene	
Outreach (10.10 - 10.30)	<p>Presentation by expert</p> <ul style="list-style-type: none"> • Overarching presentation on findings and new approaches of AR5 WGIII relevant for the review, Ottmar Edenhofer, IPCC
General discussion (10.30 - 10.45)	<p>Guiding questions</p> <ul style="list-style-type: none"> • What does the AR5 WGIII tell us about mitigation action required to limit global warming to 2 °C/1.5 °C, the relationship between mitigation and other climate change responses such as adaptation, and about valuations, including expert value judgment?

	<ul style="list-style-type: none"> • How reliable are the projections of emission pathways and how can they be used for decision-making at the global level? • What are the options to reduce emissions through mitigation and low-carbon development?
Theme 1 – The adequacy of the long-term global goal in light of the ultimate objective of the Convention	
Outreach (10.45 - 11.30)	<p>Presentations by experts</p> <ul style="list-style-type: none"> • Transformation pathways and limiting warming to specific levels, notably a global mean warming of 2°C or 1.5°C relative to pre-industrial levels, Volker Krey & Detlef van Vuuren, IPCC • Sectoral and cross-sectoral mitigation, Joyashree Roy, IPCC • Performance of climate policies and climate finance on the international, regional and national level, Axel Michaelowa, IPCC
General discussion (11.30 - 13.00)	<p>All participants and experts (Ottmar Edenhofer, Volker Krey, Joyashree Roy, Axel Michaelowa, Gabriel Blanco, Sivan Kartha, Luis Gómez-Echeverri, Michael Hanemann)</p> <p>Guiding questions</p> <ul style="list-style-type: none"> • What will be the increase in temperature by the end of twenty-first century without additional mitigation compared to the business-as-usual scenario, and how do the AR5 WGIII findings on this matter compare with the findings of WGI? • What mitigation pathways will limit global warming under 2 °C or 1.5 °C? What changes in emissions are required to stay under a 2 °C or 1.5 °C increase in global mean temperature relative to pre-industrial levels? • What is the cost associated with the mitigation pathways for various levels of global mean warming and what will be the consequences of limited access to technologies or of delaying mitigation? • What are the sector-specific emissions trends, mitigation potentials, technologies and investment patterns? How do mitigation efforts in one sector influence mitigation efforts in others? • Based on technology development trends, what are the low-cost abatement opportunities that can be pursued in the near term? What are the higher-cost opportunities that are not commercially viable yet but could hold significant abatement potential over the longer term? • What policies have attracted the greatest attention? How can we maximize climate policy co-benefits and reduce adverse side effects? • What is the role of international climate change cooperation? What role can subnational actors play (e.g. private sector, cities and states, etc.) in reaching the long-term global goal and creating enabling environments?

PART 4: Sunday, 8 June (15.00- 18.00 hrs)

Theme 2 - Overall progress made towards achieving the long-term global goal, including a consideration of the commitments under the Convention	
Outreach (15.00 - 15.45)	<p>Presentations by experts</p> <ul style="list-style-type: none"> • Trends in stocks and flows of greenhouse gases and their drivers, Gabriel Blanco, IPCC • Climate mitigation policy and value judgment and ethical and equity concepts in the context of sustainable development, Sivan Kartha, IPCC • Cross-cutting investment and finance issues with a view to assessing the

	progress made towards achieving the long-term global goal, Luis Gómez-Echeverri, IPCC
General discussion (15.45 - 18.00)	<p>All participants and experts (Ottmar Edenhofer, Volker Krey, Joyashree Roy, Axel Michaelowa, Gabriel Blanco, Sivan Kartha, Luis Gómez-Echeverri, Michael Hanemann)</p> <p>Guiding questions</p> <ul style="list-style-type: none"> • What are the global trends in historical, current and future GHG emissions and ambient GHG concentrations including mitigation pathways for meeting the long-term global goal? What degree of probability? • What are the key drivers of trends and projections of global GHG emissions and subsequent radiative forcing – by sector, region and gas? • What policies and measures that appear to be reducing emissions, or show promise towards emissions reductions, that could be strengthened, could be emulated? • How can long-term policy effects, such as investments in technological innovation, be evaluated? How could this possibly be factored into policymaking under the UNFCCC? • What are the assumptions for policies in the business-as-usual scenario and what is their aggregate mitigation potential and its uncertainty? Is there any gap between the actual mitigation and that needed to reach the long-term global goal, and if so, how could it be bridged? How could the implementation of these efforts be further assessed? • How can current and future efforts to implement commitments under the Convention increase mitigation ambition and keep us on track for limiting global warming under 2 °C/1.5 °C? • What are the social and economic impacts of the implementation of mitigation measures on developing countries within mitigation pathways for various levels of global mean warming? What is the relationship between mitigation and impacts in terms of key risks, notably for the most vulnerable people and systems as assessed by the AR5 WGII?