The Implications of Paris Research and Workshop Project
Trondheim Workshop on Role of the Sectors

Joint Global Change Research Institute
WELCOME

• I want to express my appreciation to all of you who have joined us here at this workshop.

• This evening I would like to give you a little information about the Implications of Paris Research and Workshop Project.

• I also want to review the structure of the workshop and what we hope to accomplish.
The Implications of Paris Research and Workshop Project
The Paris Agreement of 2015

- Adopted by consensus on 12 December 2015
- Opened for signature 22 April 2016 (Earth Day) in NYC
- Entered into force 4 November 2016

Left many of the details to be worked out later
Some remaining questions

- Nationally Determined Contributions are Goals, that need policies measures and business models to realize.

- Article 6 allows countries to jointly implement NDCs

- There will be a Global Stocktake in 2023 (and Facilitated Dialogue in 2018)

- 1.5 degree limit

The Implications of Paris Research and Workshop Series Approach

• Fill High-Priority Research Gaps—Identify important gaps in understanding and conduct research to help fill those gaps.

• Conduct Workshops—The workshops serve two functions.
  • Identify the most important research gaps in our knowledge
  • Communicate to the most recent findings to key decision makers

• The first workshop was held May 3-4 at the University of Maryland
The First Workshop  
May 3-4, 2016, College Park, MD

• The 1st workshop brought together 44 participants from around the world including,
  • Hoesung Lee (IPCC Chair),
  • Robert Orr (Ban Ki-moon’s climate advisor),
  • Jim Skea (IPCC Working Group 3 co-chair),
  • As well as leaders from the fields of Finance, Government, the Private Sector, Research and NGOs.

• More on the workshop, including the meeting agenda, presentation, and recommended research priorities, the can be found on the Implications of Paris webpage:  
  http://www.globalchange.umd.edu/implications-of-paris-workshop-spring-2016/
The Research Agenda: While there are many specific topics the workshop identified 5 overarching questions

- How will national circumstances, institutions and goals influence the implementation of NDCs and what are their emissions implications?
- Can new international institutions make NDCs more effective?
- What are the best measures of progress toward long-term objectives for the Global Stocktake?
- Can Sustainable Development Goals be achieved simultaneously with the goals of the Paris Agreement?
- What roles will technology and control of non-energy emissions play in achieving NDCs and the long-term Paris goals?
Two examples of work to inform these questions

• EXAMPLE 1  Overarching question: 3. What are the best measures of progress toward long-term objectives for the Global Stocktake?
  • Specific sub-question: How will increased ambition affect the likelihood of achieving the Paris Agreement’s long-term goals?

• EXAMPLE 2  Overarching question: Can new international institutions make NDCs more effective?
  • Specific sub-question: How important are the rules for new international markets under Article 6?
The Trondheim Implications of Paris Workshop
• **Goal:** To identify the research needed to better understand the role of the sectors. Two important considerations
  
  • What are the technical and technological requirements?
  • What are the policies, measures and new business models that will be needed to achieve the near-term and long-term goals of the Paris Agreement?
Tomorrow’s Implications of Paris Workshop
Five Sessions

• Session 1: Welcome, Context and Objectives (75 min)
  Key questions:
  • How do all the sectors fit together in the near-term and long-term to achieve the goals of the Paris Agreement?
  • What are the new policies, measures and new business models that will be needed? And how can a coherent approach be developed given the bottom-up nature of the Paris Agreement?

• Session 2: Electric Power Production (85 min)
  • What is the role of the power sector in the near-term and long-term, in developing and developed economies? What are the technology deployments that will be needed?
  • What policies, measures and business models will be needed? Given the large role of BECCS in most of the analyses, is there a business model that can deliver the goods.
Tomorrow’s Implications of Paris Workshop: Five Sessions

• Session 3: Transport (85 min)
  • How will the transport sector including passenger and freight transport decarbonize?
  • Are there policies and business models that can transform the sector? Will these be viable across the full range of economies in the world?

• Session 4: Green Competitiveness under Diverse Policy and Market Drivers (90 min) Key questions:
  • How do all the sectors fit together in the near-term and long-term to achieve the goals of the Paris Agreement?
  • What are the new policies, measures and new business models that will be needed? And how can a coherent approach be developed given the bottom-up nature of the Paris Agreement?
Tomorrow’s Implications of Paris Workshop: Five Sessions

• Session 5: Research Needs and Future Directions (90 min)
  • What are the research needs?
  • Lightening round-1-minute comments from all of the meeting participants
  • Future directions
    • The Statoil Climate Roadmap
    • The Next Implications of Paris Workshop—The Global Stocktake—October in Tokyo
Research Challenges and Needs

• This meeting is all about the conversation.
• We want to discuss the role of the sectors in meeting near-term and long-term Paris goals.
• But, we want to do this with a purpose—identification of the research needs.
• So unlike meetings in which the goal is to communicate the latest research, the goal of this meeting is to go further and identify the future research that is needed.

• Each session has a Chair, opening presenters, Initial Comments and lots of time for open Discussion.
The Rules of Conversation

• Modified Chatham House Rule
  • You can report what was said, but not who said it, without their explicit permission
  • Presentations will be made available, unless the presenter requests that they not be
  • The agenda and attendees will be part of the open report of the meeting

• Snowmass rules
  • No whining
  • No grand standing
  • This is NOT all about you (the Snowmass Rule)
  • Do not break any of these rules unless you can break them all in less than 5 minutes (the Snowmass exception)
The Implications of Paris Sponsors

Sponsorship remains open.
QUESTIONS, COMMENTS & SELF-INTRODUCTIONS