

Global scenario and other science issues and opportunities for climate-related finance, investment, and transition risk assessment

Session 1: Landscape, Part 3

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Rapid System Transitions Towards Low GHG Futures
Workshop, Snowmass, CO
July 23, 2019



Overview of Session 1: Landscape

- John (chair) – Overview of session 1, 5 mins
- Jae – Overview of user and research activity to date to characterize the role of this meeting, 10 mins
- Haroon – Parsing the discussion and science, 10 mins
- Steve – Summarizing, advancing, and communicating the relevant science (white paper plan), 10 mins
- Discussion – 25 mins

White paper plan

- **Plan:** Write a white paper from this meeting
- **Objectives**
 - Summarize and advance relevant science, identifying opportunities, limitations, and research priorities
 - Communicate learnings to advance dialogue and scientific research
- **Draft title**
 - Scientific issues and opportunities for climate-related finance, investment, and transition risk assessment
- **Draft outline**
 - **Introduction** – lay of the land, overview of different decision-makers, research community input to date
 - **Communities of practice and scientific needs** – typology of practitioner communities (scientific questions, issues, and informational needs)
 - **Current scientific capability and understanding** – current scientific information being used, proper interpretation, and current capabilities
 - **Research priorities** – identify and discuss research priorities for supporting better decision-making
 - **Conclusion**

The next two days

- **Objectives**

- Summarize and advance relevant science, identifying opportunities, limitations, and research priorities
- Communicate learnings to advance dialogue and scientific research with a journal article planned that draws on meeting insights and participants

- **Agenda**

- **Session 1: Landscape**

- Overview of user and research activity, parsing the discussion and science, and defining the scientific community challenge

- **Session 2: Perspectives from Practitioners**

- Practitioner needs, approaches, challenges encountered, and ideas for improvement

- **Session 3: Perspectives from the Scientific Community**

- Scientific issues and opportunities identified by the research community

- **Session 4: Opportunities for Advancing Science and Informing Practitioner Decisions**

- Practitioner and scientific community suggestions for opportunities and priorities

- **Session 5: The Way Forward**

- **White paper working group session**

Session 2 (Perspectives from practitioners) panelist guidance

- **Goal:** Characterize the needs of different types of decision-makers
- **Panelists asked to provide perspectives on the following:**
 - **Needs**
 - Decision-making needs – What decision-making need led you to global emissions scenarios? For instance, what is your overarching objective, what decisions are being informed, and/or what questions do you need to answer?
 - Technical needs – What, if any, specific quantitative information is required to support your decision-making? What is the resolution of your analytical needs (e.g., time horizon, geographic, economic, technological)? What other information is the climate-related information combined with to inform decisions?
 - **Approaches – past and present**
 - Please describe your previous approach for informing your needs (e.g., process, conceptually design, analytical tools, input data, output results and resolution, non-climate-related information used)?
 - Please describe your current approach for informing your needs (e.g., process, conceptually design, analytical tools, input data, output results and resolution, non-climate-related information used)?
 - **Challenges and ideas for improvement**
 - Please discuss challenges you encountered in developing and implementing your approaches for appropriately informing your needs.
 - Please discuss any ideas you would like the group to discuss for potentially addressing your challenges and/or better informing your needs.

Session 3 (Perspectives from the scientific community) panelist guidance

- **Goal:** Identify scientific issues and opportunities
- **Panelists asked to provide perspectives on the following:**
 - **Scientific issues**
 - What technical science issues do you see that practitioners should consider when applying global emissions scenarios and other science in climate-related finance, investment, and transition risk assessment applications. For instance, you might discuss issues related to the state of the art, uncertainties, robustness of information, and/or differences in applications.
 - **Scientific opportunities**
 - What opportunities do you see for improving use of existing science and scientific resources?
 - What opportunities do you see for developing new and improved science and scientific resources?



Thank you!

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Head's up regarding Session 6 Thursday

- Session 6 agenda
 - Updated white paper plan based on Tue & Wed discussions
 - Panel of discussants on the white paper plan and additional reflections (subset of Session 2 and 3 panelists)
 - Broader set of challenges (quick hits on topics not covered)
 - Final ideas for future community activities
- Everyone will have a chance to speak – see where you are slotted
- Jot down thoughts to share
- Should be lively and interesting