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Nominating experts to the scoping meeting for the IPCC Special Report on the Impacts of Global Warming of 1.5 degrees Celsius above Pre-industrial Levels and related Global Greenhouse Gas Emission Pathways

Sir/Madam,

We are inviting you to suggest experts to participate in the Scoping Meeting for the IPCC Special Report on the Impacts of Global Warming of 1.5°C above Pre-industrial Levels and related Global Greenhouse Gas Emission Pathways.

The twenty-first session of the Conference of Parties (COP-21) to the United Nations Framework Convention on Climate Change (UNFCCC) in its decision on the adoption of the Paris Agreement, explicitly invited the IPCC to provide a Special Report in 2018 on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways. At the 43rd Session of the IPCC (11 to 13 April 2016, Nairobi, Kenya), the Panel accepted the UNFCCC's invitation to provide the Special Report on 1.5 °C in 2018 in the context of strengthening the global response to the threat of climate change, sustainable development and efforts to eradicate poverty.

To develop the scope and outline of the Special Report on 1.5 °C, a Scoping Meeting will be held at the World Meteorological Organization (WMO), in Geneva, Switzerland from 15 to 17 August 2016. The Scoping Meeting would result in a draft Scoping Paper describing the objectives and an annotated outline of the Special Report as well as the process and timeline for its preparation. The Panel at its 44th Session to be held in October 2016 will review the draft Scoping Paper and will decide on further IPCC work on this Special Report.

SMHI – Swedish Meteorological and Hydrological Institute, SE-601 76 Norrköping, Sweden Visit Folkborgsvägen 17 Phone +46 11 495 80 00 Fax +46 11 495 80 01

Relevant expertise for the Scoping Meeting will be diverse, as the proposed Special Report will integrate information and perspectives across the domains of all the three Working Groups of the IPCC. Participants in the meeting should collectively have expertise in the following areas:

- Analysis of observed climate system changes related to degree of warming since pre- industrial levels and associated implications
- Climate modelling and projections
- Climate drivers, emission pathways, forcing scenarios, and relationship with the transparency framework
- Climate processes, non-linearities, sensitivity and feedbacks
- Observed and projected extreme events and impacts
- Short and long term impacts of different stabilization levels, including notion of irreversibility
- Detection of impacts and attribution to climate change
- Impact projections by modelling and shared socio-economic pathways
- Human vulnerability and adaptation, including infrastructure, cities and other human settlements
- Risk assessments, reasons for concern
- Risk perception, psychosocial, sociological, economic and anthropological underpinnings of human responses to climate change
- Adaptation/mitigation costs, trade-offs and co-benefits; adverse impacts of human response measures; including emission feedbacks
- Vulnerability and adaptation of natural systems and managed systems (Agriculture, Forestry and other Land Use (AFOLU)) and their services: oceans, coasts, freshwater, land, cryosphere
- Integrated assessment modelling and interpretation including global, regional and national perspectives
- Transformation pathways including emission trends and drivers, transparency in reporting, timing, technology transitions and societal aspects
- Mitigation of energy supply and demand, including cities and other human settlements
- Mitigation in agriculture, food systems, forestry and land use
- Negative emission technologies, including carbon capture, utilisation and storage
- Climate change mitigation and sustainable development including co-benefits and risks, equity, poverty eradication and food security
- Policy instruments and international cooperation including technology and finance
- Interdisciplinary and other perspectives providing a holistic view of impacts and mitigation pathways, also considering geoengineering
- Ethics and equity

The nominations will be made by the Swedish IPCC Focal Point. Experts that are interested in participation in the scoping meeting are kindly asked to send their CV, including appropriate scientific technical expertise, field of expertise (from the alternatives above) and familiarity with the IPCC process to: ipccfocalpoint@smhi.se before May 16. The Swedish IPCC Focal Point will then make an initial selection that will be submitted to the IPCC secretariat for further procession and final selection.

We thank you in advance for your consideration of this matter.

Yours sincerely

Lars Barring
Scientist, SMHI Rosby Centre/ Swedish Focal Point IPCC

Lena Lindström
Market Manager Climate Services/Swedish Focal Point IPCC
Core Service

ipccfocalpoint@smhi.se