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## **Nominating experts to the scoping meeting for the IPCC Sixth Assessment Report.**

Sir/Madam,

With this letter, we would like to invite you to suggest experts to participate in the Scoping Meeting for the IPCC Sixth Assessment Report that will take place tentatively on 1-5 May 2017.

Nominations for participation in Scoping Meetings “will be solicited from Government Focal points, observer organizations, and Bureau members. Participants should be selected by the relevant respective Working Group Bureau/task Force Bureau and, in the case of the Synthesis Report, by the IPCC Chair in consultation with the Working Group Co-Chairs. In selecting scoping meeting participants, consideration should be given to the following criteria: scientific, technical and socio-economic expertise, including the range of views; geographical representation; a mixture of experts with and without previous experience in IPCC; gender balance; experts with a background from relevant stakeholder and user groups, including governments. The Working Group/Task Force Bureau and, in the case of the Synthesis Report, the IPCC Chair will report to the Panel on the selection process including a description of how the selection criteria for participation and any other considerations have been applied, and including a list of participants”.

Participants in the Scoping Meeting should have a broad understanding of climate change and related issues, and should collectively have expertise in the following areas:

**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

### **Working Group I**

- Climate system (atmosphere, ocean, land surface, cryosphere): observations (past and present), processes, and interactions.
- Natural and anthropogenic drivers of climate change (land use, well-mixed greenhouse gases, short-lived forcers including aerosols), carbon and other biogeochemical cycles.
- Climate modelling, model evaluation, predictions, scenarios and projections, detection and attribution, on global and regional scales.
- Earth system feedbacks and dynamical responses, including abrupt change.
- Climate variability, climate phenomena and teleconnections, extremes and implications for regional climate.

### **Working Group II**

- Impacts on and vulnerability of natural and managed systems (land, freshwater and oceans) including genetics, physiology and regional ecosystem expertise.
- Palaeo and historical views of natural, managed and human systems across regions.
- Impacts, vulnerability and risks for sectors including fisheries, agriculture, tourism, transport, resource extraction, energy.
- Impacts, vulnerability and risks for human systems including health and wellbeing, indigenous and cultural, livelihoods, poverty.
- Impacts, vulnerability and risks for settlements, including rural, urban, cities, and those on small islands and in coastal areas, and related systems and processes including food, economic and energy security, migration.
- Adaptation needs, options, opportunities, constraints and influencing factors including contributions from psychology, sociology, and anthropology.
- Approaches for adaptation to climate change: ecosystem and community based adaptation, disaster risk reduction, and early warning systems.
- Socio-cultural, anthropological and psychological background of making and implementing decisions.

### **Working Group III**

- Socio-economic scenarios, modelling and transitions at the global, regional, national and local scales including integrated assessment approaches.
- Energy systems including supply and energy demand sectors (e.g., industry, transport, buildings).
- Mitigation responses in agriculture, forestry, land use and waste.

- Consumption patterns, human behavior and greenhouse gas emissions, including economic, psychological, sociological and cultural aspects.
- Policies, agreements and instruments at the international, national and subnational levels, including those at the city level.
- Technology innovation, transfer and deployment.
- Financial aspects of response options.

### **Cross-cutting areas of expertise**

- Co-benefits, risks and co-costs of mitigation and adaptation, including interactions and trade-offs, technological and financial challenges and options.
- Ethics and equity: climate change, sustainable development, gender, poverty eradication, livelihoods, and food security.
- Perception of risks and benefits of climate change, adaptation and mitigation options, and societal responses, including psychological and sociological aspects.
- Climate engineering, greenhouse gas removal, and associated feedbacks and impacts.
- Regional and sectorial climate information.
- Epistemology and different forms of climate related knowledge and data, including indigenous and practice-based knowledge.

### **Regional Expertise**

- Africa
- Europe
- Asia
- Australasia
- North America
- Central and South America
- Polar regions
- Small islands
- Ocean

While the final outline for the Sixth Assessment Report may not include all areas listed above, broad expertise is solicited in order to determine robust areas for consideration. Please also note that the work of the Scoping Meeting will be conducted only in English.

The nominations from Sweden will be made by the Swedish IPCC Focal Point. Experts who are interested in participating in the scoping meeting are kindly asked to fill in the nomination form and send it together with a summary CV (maximum 4 pages) in English, including appropriate scientific technical expertise, field of expertise (from the alternatives above) and familiarity with

the IPCC process to: [ipccfocalpoint@smhi.se](mailto:ipccfocalpoint@smhi.se) Deadline for suggesting experts to the Swedish Focal Point is the 25 of October.

The Swedish IPCC Focal Point will then make an initial selection that will be submitted to the IPCC secretariat for further and final selection. An invitation letter to the Scoping meeting will be sent to the selected nominees in Februari 2017.

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

Yours sincerely

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