

Wednesday 13th February

08.30 Registration

09.00 Welcome by **Jakob Granit**, Stockholm Centre Director;
Opening remark by **Johan L. Kuylenstierna**, Executive Director of SEI

09.10 SESSION I: A CHANGING POLICY LANDSCAPE FOR A NEW DEVELOPMENT AGENDA 12.50

09.10 **Addressing Climate Change in a Changing World**
Session Chair: Richard Klein (each 10 min + 3 min clarification)

- SEI research on Short-Lived Climate Pollutants and inputs to CCAC. **Johan C. I. Kuylenstierna***
- Assessing rapid Arctic change - setting the stage for discussing SEI's role. **Annika E. Nilsson**
- Benefits of climate action beyond emissions reductions – ongoing work. **Oskar Wallgren**

09.50 **Policy Coherence for Sustainable Development**
Session Chair: Tea Nömmann (each 10 min + 3 min clarification)

- Agricultural water management development to scale: past bright spot impacts and future strategies to safeguard multiple sustainability goals. **Jennie Barron** and **Annemarieke De Bruin**
- European footprints – opportunities for sustainable consumption and policies coherence. **Holger Hoff**
- Grand policies and poor implementation: understanding the fine print of hydropower regulation and biodiversity restoration in Sweden and comparing it with the US. **Peter Rudberg**

10.30 **COFFEE BREAK**
Recent SEI publications will be available for browsing

11.00 Keynote by **Prof. Mario Molina**, Chair of SEI Science Advisory Council
Session Chair: Johan L. Kuylenstierna

11.30 Remarks by **Lena Ek**, Minister for the Environment, Sweden

11.50 **Panel Discussion** The panel discussion consists of two parts (each 30 min – 3 to 5 min of open remarks followed by discussion).

Moderator: Johan L. Kuylenstierna

PART I: Climate negotiations inside, outside and beyond the UNFCCC – prospects for the future

- Panelists: **Bo Kjellén, Harro van Asselt and Marion Davis**

PART II: After Rio+20 and beyond 2015 – mapping the policy landscape for a new development agenda

- Panelists: **Jennie Barron, Karl Hallding and Måns Nilsson**

12.50 **LUNCH served at Grillska Huset**

14.00 SESSION II: THE ROLE OF SCIENCE IN ADDRESSING ENVIRONMENT AND 17.00 DEVELOPMENT CHALLENGES

14.00 **Tools for Environmental System Analysis**
Session Chair: Lisa Emberson (each 10 min + 5 min discussion)

- WEAP and LEAP: a new toolkit for assessing the water-energy nexus. **Charles Heaps**
- Sustainable intensification in Niger – investigating the potential of water harvesting and productive sanitation. **Louise Karlberg**
- Who is responsible for deforestation in the Amazon? New spatially explicit approaches to understand Amazonian social-ecological systems. **Javier Godar**
- Low-carbon development in global cities. **Peter Erickson** (via remote connection)

15.00 COFFEE BREAK

15.30 What should we expect of science?
Keynote by **Prof. Susan Owens**, SEI Science Advisory Council Member
Session Chair: Måns Nilsson

16.00 Panel Discussion
Supporting a New Development Agenda – Contrasting Research Perspectives
Moderator: Måns Nilsson

Panelists:

- **Sivan Kartha**. Climate equity and equitable burden-sharing: SEI's contribution.
- **Björn Nykvist**. Translation of the planetary boundaries into a policy framework: risks and opportunities.
- **David Purkey**. Should I bring an umbrella? Applying insights from decision science to water management.
- **Eric Kemp-Benedict**. Old economics for new problems.

17.00 Reflection of the Day by **Prof. Roger Kaspersen**, SEI Science Advisory Council member, former Executive Director of SEI

17.15 End of the Open Day

Thursday 14th February

08.30 Arrival

09.00 Governing Risk and Vulnerability
Session Chair: Rasmus Kløcker Larsen (each 10 min + 3 min clarification)

- Politics, governance, experiences and responses to flooding in ASEAN – a case study of selected villages in Lao PDR. **Albert Salamanca**
- Social learning towards a more adaptive paradigm? Reducing flood risk in Kristianstad municipality, Sweden. **Åse Johannessen**
- Indexing Quito's vulnerability: a useful policy tool? **Amanda Fencil**

09.40 Philistines, Bohemians and Industrialists: Actors and Norms in Responding to Climate Change
Session Chair: Francis Johnson (each 10 min + 3 min clarification)

- Participation and learning for climate change adaptation: A case study of the Swedish forestry sector. **Åsa Gerger Swartling**
- Adaptation for whom? Governing equity and efficiency under the Adaptation Fund. **Elise Remling**
- All together now? Climate change discourse in the Swedish mainstream press. **Marcus Carson**

10.20 COFFEE BREAK

10.50 Panel discussion New perspectives on the challenge of adapting to climate change: Are adaptation research and practice asking the right questions?
Moderator: Richard Klein

Panelists

- **Sukaina Bharwani**. Forests in the Congo: new methods for assessing vulnerability.
- **Maria Osbeck**. Mangrove reforestation in SE Asia: Global vs. local benefits?
- **Magnus Benzie**. Not all adaptation is local: planning for the indirect effects of climate change.
- **Aaron Atteridge**. Colombian coffee and connected livelihoods: the indirect effects of adaptation.

11.40 **Managing Ecosystems and Thresholds**

Session Chair: Åsa Persson (each 10 min + 3 min clarification)

- The planetary boundary of chemical pollution - does it exist? **Linn Persson**
- Extreme outcomes: prospects for major tipping points and socially contingent effects. **Ruth Butterfield**
- The impact of trade on biodiversity overseas. **Elena Dawkins**
- Retasking Europe's Common Agriculture Policy: time for a paradigm shift. **Kim Anderson** and **Marcus Carson**
- Cities as tightly coupled social-ecological systems: the water-energy nexus of Bangalore city, India. **Eric Kemp-Benedict**

12.45 **LUNCH served at Grillska Huset**

14.00 **Social and Environmental Modeling and Assessment**

Session Chair: Louise Karlberg (each 10 min + 5 min discussion)

- Hydro-economic Modeling: Reducing the Gap between Large Scale Simulation and Optimization Models. **Laura Forni**
- Modeling the role of the moorland ecosystem's hydrology under a scenario of climate change. **Francisco Flores**
- CLEANED LVCs - comprehensive livestock environmental assessment for improved nutrition, a secured environment and sustainable development along livestock value. **Mats Lannerstad**
- A relational approach to understanding complex water management problems. **Christian Stein**
- Sustainable ecosystem services and livelihoods through aquaculture development. **Cecile Brugere** (via remote connection)

15.15 **Tower of babble? Communicating science in the age of social media** **Communications Team**

15.30 **Speed talks followed by self-organized group discussions**

Session Chair: Magnus Benzie (each 4 min)

- Value chain development for sustainable livelihoods. **Patricia Vilchis Tella**
- Assessing uncertainties beyond the World Energy Outlook. **Karl Hallding**
- Building resilience in disaster risk reduction (DRR): towards a new SEI initiative. **Arno Rosemarin**
- Does SEI's right hand keep a check on its left? **Clarisse Kehler Siebert**
- The politics of the post-2015 and SDG processes: Where does SEI stand? **Åsa Persson**

15.50 **COFFEE BREAK (combined with group discussion)**

16.40 **Wrap-up and Follow-up**

Session Chair: Guoyi Han

- Reporting back from the 1st SAC meeting. **Måns Nilsson**
- Evaluation of the SEI Science Forum. **Guoyi Han**
- Final words. **Johan L. Kuylenstierna**

17.00 **Mingle**

18.00 **DINNER at Grillska Huset**

*Only the presenting author is listed.