

IPCC AR5: Lessons Learnt for Climate Change Research and WCRP

International Space Sciences Institute, Bern, Switzerland

8–10 September 2014

PROGRAMME (Final)

Day 1: Monday, 8 September 2014

08:30–09:00 Registration

09:00–09:20 *Opening and Welcome Remarks (Chair V.Kattsov)*

◆ Mr José Romero, Swiss Federal Office for the Environment and Swiss Focal Point for the IPCC

◆ Mr Thomas Stocker, Co-Chair, IPCC Working Group I

◆ Mr David Carlson, Director, World Climate Research Programme

◆ Mr Rudolf von Steiger, Director, International Space Sciences Institute

09:20–09:50 *Introduction (Guy Brasseur and Thomas Stocker)*

09:50–10:20 Break

PLENARY SESSION 1: IPCC WGI AR5: EMERGING THEMES AND KEY UNCERTAINTIES

(Chair G.Brasseur)

[12 minute keynote presentations followed by 5 minutes Q&A]

10:20–10:37 *Longstanding Uncertainties in IPCC Assessments (Thomas Stocker and Gian-Kasper Plattner)*

10:37–10:54 *Regional Climate Change (Krishna Kumar Kanikicharla and Bruce Hewitson)*

10:54–11:11 *Decadal Prediction and Projections (Scott Power and Rowan Sutton)*

11:11–11:28 *Carbon Cycle–Climate Interactions (Corinne Le Queré and Fortunat Joos)*

11:28–11:45 *Climate Targets Beyond Temperature (Reto Knutti and Elmar Kriegler)*

11:45–12:02 *Aerosols, Air Quality and Climate (Jean-Francois Lamarque and Piers Forster)*

12:02–12:30 Open Discussion

12:30–14:00 Lunch

PLENARY SESSION 2: WCRP GRAND CHALLENGES: STRATEGIES TO ADDRESS KEY UNCERTAINTIES

(Chair T.Stocker) [12 minute keynote presentations followed by 5 minutes Q&A]

14:00–14:17 *Clouds, Circulation and Climate Sensitivity (Sandrine Bony and Bjorn Stevens)*

14:17–14:34 *Changes in Cryosphere (Vladimir Kattsov and Gregory Flato)*

14:34–14:51 *Climate Extremes (Xuebin Zhang and Gabi Hegerl)*

14:51–15:08 *Regional Climate Information (Lisa Goddard, Francisco Doblas-Reyes and Clare Goodess)*

15:08–15:25 *Regional Sea Level Rise (Detlef Stammer and Catia Motta Domingues)*

15:25–15:42 *Water Availability (Sonia Seneviratne and Graeme Stephens)*

15:42–16:15 **Open Discussion**

16:15–16:45 **Break**

PLENARY SESSION 3: IMPACTS, RISK ASSESSMENT AND SCENARIO DEVELOPMENT
(Chair C.Tebaldi) [15 minute keynote presentations followed by 5 minutes Q&A]

16:45–17:05 *The Role of Risk in the WCRP Grand Challenges: Building from the AR5 (Bruce Hewitson)*

17:05–17:25 *Scenario Development and Integrated Assessment Model Projections (Elmar Kriegler and Brian O'Neill)*

17:25–17:55 **Open Discussion**

17:55–18:10 **Tasking the Breakout Groups**

18:10–18:30 *International Space Science Institute: Current Activities Relevant to Climate Research (Rudolf von Steiger)*

18:30 **Adjourn**

18:45–20:15 *Welcome Reception at the University of Bern on the Terrace at Sidlerstrasse 5 (Sponsored by the Oeschger Centre, University of Bern and the Government of Switzerland)*

Day 2: Tuesday, 9 September 2014**BREAKOUT GROUP SESSION 1****09:00–10:30** Meet in Plenary before BOG splittingBOG-1: Clouds, Circulation and Climate Sensitivity (*Chair Bjorn Stevens; Rapporteurs: Sandrine Bony and Ted Shepherd*)BOG-2: Climate Extremes (*Chair: Xuebin Zhang; Rapporteurs: Rowan Sutton and Sun Ying*)BOG-4: Changes in Cryosphere (*Chair: Vladimir Kattsov; Rapporteur: Gregory Flato*)BOG-7: Biogeochemical, Aerosols, Atmospheric Chemistry Aspects (*Chair: Venkatachalam Ramaswamy and Sybil Seitzinger; Rapporteurs: Fortunat Joos and Drew Shindell*)**10:30–11:00** Break**BREAKOUT GROUP SESSION 2****11:00–12:30** BOG-3: Regional Sea Level Rise (*Chair: Anny Cazenave; Rapporteurs: Catia Motta Domingues and Detlef Stammer*)BOG-5: Regional Climate Information (*Chair: Clare Goodess; Rapporteurs: Francisco Doblas-Reyes and Lisa Goddard*)BOG-6: Water Availability (*Chair: Sonia Seneviratne; Rapporteurs: Taikan Oki and Kevin Trenberth*)BOG-8: Decadal Timescale Quantification: Attribution and Prediction (*Chair: Jochem Marotzke; Rapporteurs: George Boer and Peter Stott*)**12:30–14:00** Lunch**PLENARY SESSION 4****14:00–14.30** Coordination and Stocktaking (*Chair G.Brasseur and T.Stocker*)**BREAKOUT GROUP SESSION 3****14:30–16:00** BOG-1: Clouds, Circulation and Climate Sensitivity

BOG-2: Climate Extremes

BOG-4: Changes in Cryosphere

BOG-7: Biogeochemical, Aerosols, Atmospheric Chemistry Aspects

16:00–16:30 Break**BREAKOUT GROUP SESSION 4****16:30–18.00** BOG-3: Regional Sea Level Rise

BOG-5: Regional Climate Information

BOG-6: Water Availability

BOG-8: Decadal Timescale Quantification: Attribution and Prediction

18:00 Adjourn

Day 3: Wednesday, 10 September 2014

09:00–10:30 BOG Report Writing Time

10:30–11:00 Break

PLENARY SESSION 5: REPORTS FROM BREAKOUT GROUPS [15 minute reports followed by 5 minutes Q&A]
(Chair K.Plattner)

11:00–11:20 BOG-1: Clouds, Circulation and Climate Sensitivity

11:20–11:40 BOG-7: Biogeochemical, Aerosols, Atmospheric Chemistry Aspects

11:40–12:00 BOG-3: Regional Sea Level Rise

12:00–12:20 BOG-4: Changes in Cryosphere

12:20–13:50 Lunch

PLENARY SESSION 6: REPORTS FROM BREAKOUT GROUPS [15 minute reports followed by 5 minutes Q&A]
(Chair A. Cazenave)

13:50–14:10 BOG-5: Regional Climate Information

14:10–14:30 BOG-6: Water Availability

14:30–14:50 BOG-2: Climate Extremes

14:50–15:10 BOG-8: Decadal Timescale Quantification: Attribution and Prediction

15:10–15:40 Break

PLENARY SESSION 7: CLOSING PLENARY *(Chair G.Brasseur, D.Carlson)*

15:40–16:10 Open Discussion

16:10–16:20 Next Steps: Deliverables, Timetable, Thanks

16:20–16:30 *Closing (Guy Brasseur, Kasper Plattner, David Carlson, Rudolf von Steiger)*

16:30 Adjourn
