

Draft Agenda

World Modelling Summit for Climate Prediction, 6 - 9 May 2008, Reading

Tuesday, 6 May 2008

09:00 - 10:00	Registration & Coffee	
	Introductory Session:	chair: Jagadish Shukla (GMU/COLA)
10:00 - 10:10	Dominique Marbouty (ECMWF)	Welcome address
10:10 - 10:25	Jagadish Shukla (GMU/COLA)	Revolutionizing Climate Prediction: A Real Need and a Real Possibility
10:30 - 10:45	Michel Jarraud (WMO)	Reducing the Risk Associated with Climate Variability and Change and Severe Weather through Enhanced Prediction - The Need for International Cooperation
10:50 - 11:00	Rajendra Pachauri (IPCC)	Keynote address
11:00 - 11:05	John Church (WCRP/JSC)	The WCRP view
11:05 - 11:10	Michel Beland (WMO/CAS/WWRP)	The CAS/WWRP view
11:10 - 11:15	Carlos Nobre (IGBP)	The IGBP view
11:20 - 11:45	Jeffrey Sachs (Earth Institute)	The Effects of Climate Change on International Migration, Trade, and the Distribution of Income
11:50 - 12:15	Chris Llewellyn-Smith (UKAEA)	The CERN experience
12:20 - 12:25	Renate Hagedorn (ECMWF)	Organizational announcements
12:30 - 14:00	<i>Lunch</i>	
	Theme-1:	chair: Brian Hoskins (Reading University)
14:00 - 14:25	Brian Hoskins (Reading University)	The development of the 2005-15 WCRP Strategic Framework
14:30 - 14:55	Gerald Meehl (NCAR)	Next generation climate models for coordinated climate change experiments
15:00 - 15:25	Mel Shapiro (UCAR)	The Socioeconomic and Environmental Benefits of a Weather, Climate and Earth-System Observations and Prediction Project for the 21st Century
15:30 - 16:00	<i>Coffee/Tea</i>	
16:00 - 17:00	Plenary Discussion for Theme-1 (including 20 min presentation by T. Matsuno)	Panellists: G. Brunet, B. Hoskins, T. Matsuno, J. Shukla
	Theme-2:	chair: Martin Miller (ECMWF)
17:00 - 17:25	Masaki Satoh (JAMSTEC)	Ongoing studies with the global cloud-resolving model, NICAM
17:30 - 17:55	John Mitchell (Met Office)	On resolution, complexity and uncertainty in climate change predictions
18:00 - 19:00	<i>ECMWF Icebreaker</i>	
19:00 - 22:00	<i>IBM Banquet</i>	

Wednesday, 7 May 2008

	Theme-2 (continued):	chair: Martin Miller (ECMWF)
09:00 - 09:25	Bjorn Stevens (UCLA)	Why aren't climate models getting better? (But forecast models are.)
09:30 - 09:55	Isaac Held (GFDL)	Attribution and prediction of regional climate change
10:00 - 10:25	Tim Palmer (ECMWF)	Towards the Probabilistic Earth-System Model
10:30 - 11:00	<i>Coffee/Tea</i>	
	Theme-3:	chair: Jim Kinter (COLA)
11:00 - 11:20	Walter Zwiefelhofer (ECMWF)	Trends in High-Performance Computing
11:25 - 11:45	Kathy Yelick (UC Berkeley and LBNL)	Petascale Meets Multicore: Programming Model Challenges and Opportunities
11:50 - 12:10	Omar Ghattas (Univ. Texas)	Towards advanced numerical algorithms for computational science on petascale systems: Dynamic mesh adaptivity, Newton-Krylov inverse solvers, and uncertainty quantification
12:15 - 12:25	T-3: David Parks (NEC)	The NEC perspective for Earth System Modelling
12:25 - 12:35	T-3: Per Nyberg (Cray)	Towards an Optimal Architecture for Earth System Modeling
12:35 - 12:45	T-3: Kent Winchell (IBM)	petaScale Computing: Capacity or Capability
12:45 - 14:00	<i>Lunch</i>	
	Theme-4:	chair: Jochem Marotzke (MPI-M)
14:00 - 14:25	Christian Jakob (Monash University)	Evaluating parametrizations in large-scale models - An integrated approach
14:30 - 14:55	Detlef Stammer (IfM-HH)	Initialization procedures for climate prediction models
15:00 - 15:25	Kazutoshi Onogi (JMA)	Evolution of Long-term Reanalysis
15:30 - 15:55	Kevin Trenberth (NCAR)	Exploiting and evaluating models with observations
16:00 - 16:30	<i>Coffee/Tea</i>	
	Theme-5:	chair: Julia Slingo (Reading University)
17:00 - 17:25	Ari Patrinos (Synthetic Genomics, Inc.)	The GENOME experience
17:30 - 17:55	Julia Slingo (Reading Univ.)	Where do we go from here? Possible ways forward for achieving a revolution in climate prediction.
18:00 - 18:30	Panel Discussion for Theme-5	
18:30 - 19:00	Transportation to Restaurant	
19:00 - 22:00	<i>NEC Banquet</i>	

Thursday, 8 May 2008

Plenary:

09:00 - 09:30 Briefing of Breakout Groups T2 - T5, including 10 min presentation by Mark Doherty (ESA)

Individual Breakout Groups:

Participants will have the opportunity to attend different breakout groups for session I and II

09:30 - 10:30 Breakout Groups T2-T5, session I

10:30 - 11:00 *Coffee/Tea*

11:00 - 12:30 Breakout Groups T2-T5, session I

12:30 - 14:00 *Lunch*

14:00 - 15:30 Breakout Groups T2-T5, session II

15:30 - 16:00 *Coffee/Tea*

16:00 - 17:30 Breakout Groups T2-T5, session II

19:00 - 22:00 *Working Dinner for subgroup of OC responsible for drafting Summit Statement*

Friday, 9 May 2008

Plenary:

chair: Jagadish Shukla (GMU/COLA)

09:00 - 09:05 Introduction to Plenary Session

Jagadish Shukla (GMU/COLA)

09:05 - 09:20 Summary of Theme-1 plenary discussion

Brian Hoskins (Reading University)

09:20 - 09:40 Report from Theme-2 breakout group

Martin Miller (ECMWF)

09:40 - 10:00 Report from Theme-3 breakout group

Jim Kinter (COLA)

10:00 - 10:20 Report from Theme-4 breakout group

Jochem Marotzke (MPI-M)

10:20 - 10:40 Report from Theme-5 breakout group

Julia Slingo (Reading University)

10:40 - 11:00 *Coffee/Tea*

11:00 - 12:30 Final Discussion & endorsement of Summit Statement

12:30 **End of Summit**

12.30 - 14:00 *Lunch*

14:00 - 15:30 Internal meeting of the Organizing Committee