



**WMO WCRP IPY WORKSHOP ON CLIPS IN POLAR REGIONS:
CLIMATE PRODUCT GENERATION, USER LIAISON AND TRAINING**

8-11 September 2008

Venue: St Petersburg, Russian Federation

PROGRAMME

DAY 1 : Monday, 8 September 2008

Item	Topic	Speaker	Time
1	Opening of the session		
1.1	Opening address and welcome from host	V. Kattsov	09:00-09:10
1.2	Welcome; goals, format; Identification of Session Chairman; rapporteurs	R. Kolli	09:10-09:20
1.3	Introductions (Name, Country, Agency)	All	09:20-09:35
1.4	Logistical arrangements, announcements	A. Zaitsev	09:35-09:40
2	WMO-related International Climate Science Programmes		
2.1	WMO including WCP/WCASP&CLIPS, ETR, NMHSs, CCI, COF process/goals	R. Kolli	09:40-10:05
2.2	WCRP climate research including CLIVAR, CliC and ESSP	V. Ryabinin	10:05-10:30
2.3	IPY 2007-2008, including overview on IPY polar observations (land, marine, atmosphere) and IPY Legacy initiatives	E. Sarukhanian	10:30-11:00
	Break, 11:00 to 11:30		
3	Climate variability and change in polar regions		
3.1	Key findings and uncertainties: Antarctic region (overview of relevant aspects of IPCC 4AR; Antarctic treaty)	A. Klepikov	11:30-12:15
3.2	Key findings and uncertainties: Arctic region (overview of relevant aspects of IPCC 4AR; ACIA)	V. Kattsov	12:15-13:00
	Lunch break, 13:00 to 14:30		
3.3	Regional (polar) modeling, downscaling, model evaluation/reliability	J. Christensen	14:30-15:15
3.4	Global cryosphere research, observations (terrestrial, marine, satellite) including update on SAON; GIIPSY, etc.; and GCW	B. Goodison	15:15-16:00
	Break, 16:00 to 16:30		
3.5	Open discussion on 'Predictability at seasonal, interannual and decadal time scales' including factors that influence seasonal to decadal scale prediction at high latitudes	Chair: V. Ryabinin	16:30-17:30

DAY 2 : Tuesday, 9 September 2008

Item	Topic	Speaker	Time
4	Climate products and services for polar users: Case Studies, Examples		
4.1	Background/overview	R. Kolli	09:00-09:10
4.2	Perspectives – USA	A. Holman	09:10-09:30
4.3	Perspectives – Germany	M. Werscheck	09:30-09:50
4.4	Perspectives - Norway	E. Forland	09:50-10:10
4.5	Perspectives - Iceland	T. Thorsteinsson	10:10-10:30
Break, 10:30 to 11:00			
4.6	Perspectives - Hungary	S. Szalai	11:00-11:20
4.7	Perspectives - India	N. Niyas	11:20-11:40
4.8	Perspectives - Chile	J. Carrasco	11:40-12:00
4.9	Perspectives - Brazil	A. Setzer	12:00-12:20
4.10	Perspectives – Russian Federation (AARI)	V. Ivanov, V. Karklin, Y. Mironov, and V. Smolyanitsky (presenting)	12:20-12:40
Lunch break, 12:40 to 14:15			
5.	Climate-related needs of people in polar regions		
5.1	Concepts of Climate Risk Management, including communication on uncertainty to the users	H. Meinke	14.15-14:45
5.2	Survey on user requirements for climate data, information, products and services: Method, and results by sector and region	J. Helminen	14:45-15:15
5.3	New approaches to learning and serving polar peoples (including discussion on traditional knowledge systems)	H. Huntington	15:15-15:45
Break, 15:45 to 16:15			
5.4	Bridging the gap between climate-related needs of people and output from global and regional climate models. Preliminary experiences from selected IPY projects	I. Hanssen-Bauer	16:15-17:00
5.5	Contribution of AMAP to a Polar Climate Outlook Process, and aspects of International polar cooperation – developing effective end user relationships for climate applications in polar regions	L-O. Reiersen	17:00-17:45

On **September 9 at 19:00**, at the Palace of the Great Duke Vladimir Aleksandrovich, there will be a conference dinner preceded with a guided Palace tour. The half-hour tour starts at **18:30**. Spouses are cordially invited. The Great Duke Vladimir – a son of the Russian Emperor Aleksandr II – for quite a period was the head of the Russian Academy of Arts. The Palace is a beautiful historical building situated at Dvortsovaya Embankment of the Neva river, close to the Winter Palace – the residence of Russian Emperors. Currently the building belongs to the Russian Academy of Sciences, and is known as the “House of Scientists”.

DAY 3 : Wednesday, 10 September 2008

Item	Topic	Speaker	Time
6	Development and communication of information, products and services, including demonstrations		
6.1	World-wide NMS sea ice services (WMO/IOC JCOMM ETSI; IICWG, BSIM; WMO GDSIDB project)	V. Smolyanitsky	09:00-09:20
6.2	Sea-ice predictability at seasonal to IPCC scales using coupled models and assimilations	V. Ryabinin	09:20-09:40
6.3	Satellite providers – current and planned products and services	E-A. Herland	09:40-10:10
6.4	Global prediction and projection products (GPCs, LC-LRFMME)	V. Kryjov	10:10-10:40
Break, 10:40 to 11:00			
6.5	Regional Climate Centres – a new approach to strengthening climate services	V. Kryjov	11:00-11:30
6.6	Statistical tools for identification of climate means, extremes, anomalies	F. Zwiers	11:30-12:00
6.7	IPCC 4AR Projections – development and interpretation	R. Kolli and V. Kattsov	12:00-12:30
Lunch break, 12:30 to 14:30			
6.8	RSHU training on climate change and prediction: perspectives of a WMO Regional Training Centre	M. Verhovsky and A. Dikinis	14:30-15:00
6.9	Climate Predictability Tool (CPT)	R. Kolli	15:00-16:00
Break, to be decided by the Chairman			
6.10	Demonstrations and practical applications, to include discussion of current GPC products, available forecasts and outlooks for the upcoming season (from NMHSs and other agencies or consortia); areas of agreement and disagreement between such outputs, etc.	Chair: R. Kolli Discussion: All	16:00-17:30

DAY 4 : Thursday, 11 September 2008

Item	Topic	Speaker	Time
7	Addressing the needs		
7.1	Group Discussion to scope recommendations for research	Chair: F. Zwiers Panel: TBD Discussion: All	09:00-10:00
7.2	Group discussion on recommendations for operational and outreach products and services, their development, dissemination and communication	Chair: H. Meinke Panel: TBD Discussion: All	10:00-11:00
Break, 11:00 to 11:30			
7.3	Group discussion on recommendations for user interface, identification of user requirements and on partnerships	Chair: J. Helminen Panel: TBD Discussion: All	11:30-12:30
Lunch break, 12:30 to 14:30			
7.4*	Round table discussion: - Breakout Group Recommendations - Feasibility of establishment of a sustainable PCOF* - IPY endorsement of PCOF as an IPY legacy initiative from WMO - Recommendations to WMO WCP, WCRP, Polar Panel and to other appropriate agencies (e.g. Arctic Council)	Chair: H. Cattle	14:30-15:30
7.5	Other Issues including Evaluation of the usefulness of the workshop		15.30-15.50
8	Closing		15:50-16.00