

Synergetic Observations of the Water Cycle Forum

20 November, 2014

Introduction

Chair: R-M Bonnet

09:00-09:10	Welcome and Introduction to ISSI-BJ	M Falanga
09:10-09:20	Goals of the Forum and its interdisciplinary view	JC Shi
09:20-09:30	Introduction of the China Space Science Program	J Wu

Session I Overview to Water Cycle Observations and Research

Chair: J Dozier

09:30-10:00	Overview of global hydrological cycle research	L Bengtsson
10:00-10:30	Water cycle research in U.S	P Houser
10:30-11:00	<i>Coffee break</i>	
11:00-11:30	Water cycle research in Europe	Y Kerr
11:30-12:00	Overview of Water Cycle Observation in China and WCOM	JC Shi
12:00-12:30	<i>Discussion</i>	
12:30-13:45	<i>Lunch</i>	

Session II Key science of water cycle observations

Chair: L Bengtsson

13:45-14:15	Soil Moisture and Ocean Salinity (SMOS)	Y Kerr
14:15-14:45	Soil Moisture Active and Passive (SMAP)	D Entekhabi
14:45-15:15	CoreH2O mission summary	H Rott
15:15-15:45	<i>Coffee break and group photo</i>	
15:45-16:15	Sea surface salinity and soil moisture of SMOS BEC	I Corbella
16:15-16:45	Challenges in Water Cycle Studies over Ocean	BL Gan
16:45-17:15	Challenges in Water Cycle Studies over Land	M Menenti
17:15-18:15	Discussion	
18:30	<i>Dinner hosted by ISSI-BJ</i>	

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Session III: Instruments and capability required

Chair: M Hallikainen

09:00-09:20	Introduction to WCOM mission design	XL Dong
09:20-09:40	L/S/C band radiometry	H Liu
09:40-10:00	Scatterometer for Snow Water Equivalence	XL Dong
10:00-10:20	Polarized Microwave Imager	ZZ Wang
10:20-10:50	<i>Coffee break</i>	
10:50-11:20	Calibration of Interferometric Radiometer	I Corbella
11:20-12:00	Discussion	
12:00-13:30	<i>Lunch</i>	

Session IV: Synergies Complementary missions and International Collaborations

Chair: J Wu

13:30-14:00	FY-3 Series	SY Gu
14:00-14:30	HY-2 Series	Q Song
14:30-15:00	ESA Cryosphere Workshop Summary	H Rott
15:00-15:30	Coffee Break	

Session V: Discussion

Chair: R-M Bonnet

15:30-17:00	Discussion: <ul style="list-style-type: none"> - Key science goals of WCOM - Design, payloads, observing strategy, alert triggering and issuing - International collaboration 	
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17:00-17:30	Future work plan: <ul style="list-style-type: none"> - Follow up activities for ISSI-BJ (WS, WG, or ITs) - Outline, structure, publication of the forum report - Summary of the Forum 	XL Dong & JC Shi R-M Bonnet
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18:00 *Dinner hosted by WCOM team*