

**“SCIENCE OBJECTIVES AND OBSERVATION SYSTEM
FOR THE INTERNATIONAL MERIDIAN CIRCLE”**

MONDAY September 23, 2019

Session I Introduction Chair: William Liu

8:30-8:40 Welcome and introduction to ISSI-BJ Alvaro Giménez

8:40-8:50 [Introduction to the Forum and to its objectives](#) William Liu

Session II Science Cases Chair: Mark Lester

8:50-9:10 [Overarching science goal](#) Michel Blanc

9:10-9:30 [Solar and interplanetary processes](#) Nat. Gopalswamy

9:30-9:50 *Coffee Break*

9:50-10:10 [Magnetosphere processes](#) Walter Gonzalez

10:10-10:30 [MIT Coupling](#) John Foster

10:30-10:50 [Precursor ionosphere anomaly associated with large earthquakes](#) Koh-Ichiro Oyama

10:50-11:10 Troposphere/stratosphere weather system Lu Daren (cancelled)

11:10-11:30 Geomagnetic field processes Mioara Mandaia (cancelled)

11:30-11:50 [Long-term evolution of the climate system](#) Jan Lastovicka (remote)

12:00-13:30 *Group Photo and Lunch*

Session III Observation System Chair: Michel Blanc

13:30-13:50 [Chinese Meridian Project](#) Xu Jiyao

13:50-14:10 [Solar and Interplanetary Observations](#) Yan Yihua

14:10-14:30 [Magnetosphere Observations](#) Hermann Opgenoorth

14:50-15:10 [Radio Observations of Ionosphere](#) Zhang Shunrong

15:10-15:30 *Coffee Break*

15:30-15:50 [FPI Observations of middle/upper atmosphere](#) Aziza Bounhir

15:30-15:50 [Atmospheric Electricity](#) Qie Xiushu

16:10-16:30 [Lithospheric activity: Earthquakes and volcanoes](#) Shen Xuhui

16:30-16:50 [Meridian Chain Instruments in the Americas](#) Wu Qian

16:50-17:10 [The East-Siberian meridian chain of ground-based instruments for Earth's atmosphere studying](#) Vasilyev Roman

17:10-17:30 [Polar ionospheric phenomena and their observation requirements on international meridian circle program \(IMCP\)](#) Zhang Qinghe

18:00 *Dinner offered by ISSI-BJ*

TUESDAY 24 September 2019

9:00-9:20 [Meridian Chain instruments in West Africa](#) Frédéric Ouattara

9:20-9:40 [Space Weather Observations and Research in Africa](#) Babatunde Rabi

9:40-10:00 [Optical Observations of Ionosphere](#) Eric Donovan

10:00-10:20 [NMDB: The neutron monitor database](#) Karl-Ludwig Klein

Session IV **Modeling and data analysis/assimilation tools** **Chair: Eric Donovan**

10:20-10:40 [Temporary Variation of Galactic Cosmic Rays near Earth from Numerical Simulations](#) Guo Xiaocheng

10:40-11:00 [MIT \(Magnetosphere-Ionosphere-Thermosphere\) coupling](#) Zou Shasha

11:00-11:20 [ITM \(Ionosphere-Thermosphere-Mesosphere\) coupling](#) Lei Jiuhou

11:20-11:40 [Plasmasphere Modeling](#) Viviane Pierrard

11:40-12:00 [Data Assimilation](#) Yue Xinan

12:00 *Lunch*

Preliminary Synthesis **Chair: William Liu**

- 13:30-16:30
- Which networks?
 - Which "key instruments"?
 - [First discussion of the "space segment"](#) needed
 - General discussion

WEDNESDAY 25 September 2019

Session V **Discussion and Conclusion** **Chair: John Foster**

8:30-9:00 Summary of Forum Mark Lester

9:00-9:30 Overall organization of IMCP science: activities and platforms and international collaboration Eric Donovan

9:30-10:00	Forum report: Outline, structure, organization and Elements for the preparation of Forum #2 (ISSI) on the Space Segment	Michel Blanc
10:00-10:30	<i>Coffee Break</i>	
10:30-12:00	Future plans	Liu William
12:00-13:30	<i>Lunch</i>	