

## The LS4P Phase II International Kickoff Workshop Program

09:30 – 10:45 **General Session** (Chairs: Yongkang Xue and Aaron Boone)

- Xubin Zeng (GEWEX) – GEWEX Update
- Andy Robinson (WCRP S2S) – WWRP/WCRP Sub-seasonal to Seasonal Prediction Project (S2S)
- Tandong Yao (TPE RHP) – The imbalance of the Asian Water Tower
- Tim Schneider (US RHP) – Progress Towards a Regional Hydroclimate Project over the CONUS: Crosscutting Opportunities for LS4P
- Anne Verhoef (Uni of Reading) – Current and planned collaborations between GLASS activities and LS4P Phase II'
- Frederic Vitart (ECMWF) – Impact of ocean-atmosphere coupling on MJO S2S prediction

10:45 – 11:00 **Break**

11:00 – 12:30 **LS4P Phase-I Summary Session I** (Chairs Aaron Boone and Bill Lau)

- Qi Tang (LLNL) – Impact of nudging method in land surface temperature initialization on LS4P simulation
- Constantin Ardilouze (Meteo-France) – Conserving soil enthalpy in the LS4P setup: rationale and first results
- Subodh Saha (IITM)) – A dominant Mode in the First Phase of the Asian Summer Monsoon Rainfall: Role of Antecedent Land Surface Temperature
- Xin-Zhong Liang (Uni. of Maryland) – Regional

LS4P-1 Summary and Discussion – Yongkang Xue, Aaron Boone, Tandong Yao, Ismaila Diallo

12:30 – 13:30 **Lunch** (provided)

13:30 – 15:00 **Challenging Issue Session I** (Chairs: Craig Ferguson and Shaocheng Xie )

- Jessie Carman (NOAA) – NOAA/AOR Hydrology and Precipitation Activities Update
- Bill Lau, (ESSIC) – High-terrain land surface temperature, circumpolar teleconnection and sub-seasonal to seasonal (S2S) precipitation predictability
- Jeff Basara (Uni. of Oklahoma) – The Changing Hydroclimate of the Great Plains

LST/SUBT and other effects, such as soil moisture, interactive SST

- Guiling Wang (Uni. of Connecticut) • The impact of initial soil moisture and soil temperature anomalies on local hydroclimate in Tropical South America
- Hiroshi Takahashi (Tokyo Metropolitan Uni.)

Improve initialization over high mountain areas

- Qin Bao (Institute of Atmospheric Physics, CAS) – Initialization method of FGOALS-f2: subseasonal to decadal system

Discussion

15:00 – 15:20 **Break**

15:20 – 16:00 **Challenging Issue Session II** (Chairs: Shaocheng Xie and Craig Ferguson)

Causes of LST/SUBT anomaly

- Yang Zhang (Nanjing University) – Atmospheric circulations affecting the thermal state of Tibet Plateau

Discussion

Tibetan Plateau Regional climate and RCM downscaling

- Jianping Tang (Nanjing University) – LS4P regional climate model intercomparison over the Tibetan Plateau
- Shiori Sugimoto (JAMSTEC) – Assessing East Asian June precipitation bias in the WRF-JAMSTEC dataset
- Yuan Qiu (Ins. of Atmospheric Physics, CAS) – Memory of land temperature anomalies over Tibetan Plateau in different land models
- Xin Qi (Beijing Normal University) – Subseasonal warming of surface soil enhances precipitation over the eastern Tibetan Plateau in early summer

Discussion

16:00 – 18:00 **LS4P Phase II Protocol** (Chairs: Peter van Oevelen and Bill Lau)

- Yongkang Xue, Aaron Boone and Hara Nayak – Introduction LS4P Phase II Protocol

Discussion