

Second GEWEX/LS4P-II International Workshop

(9 am – 5:30 pm, Sunday, December 10, 2023)

Objectives

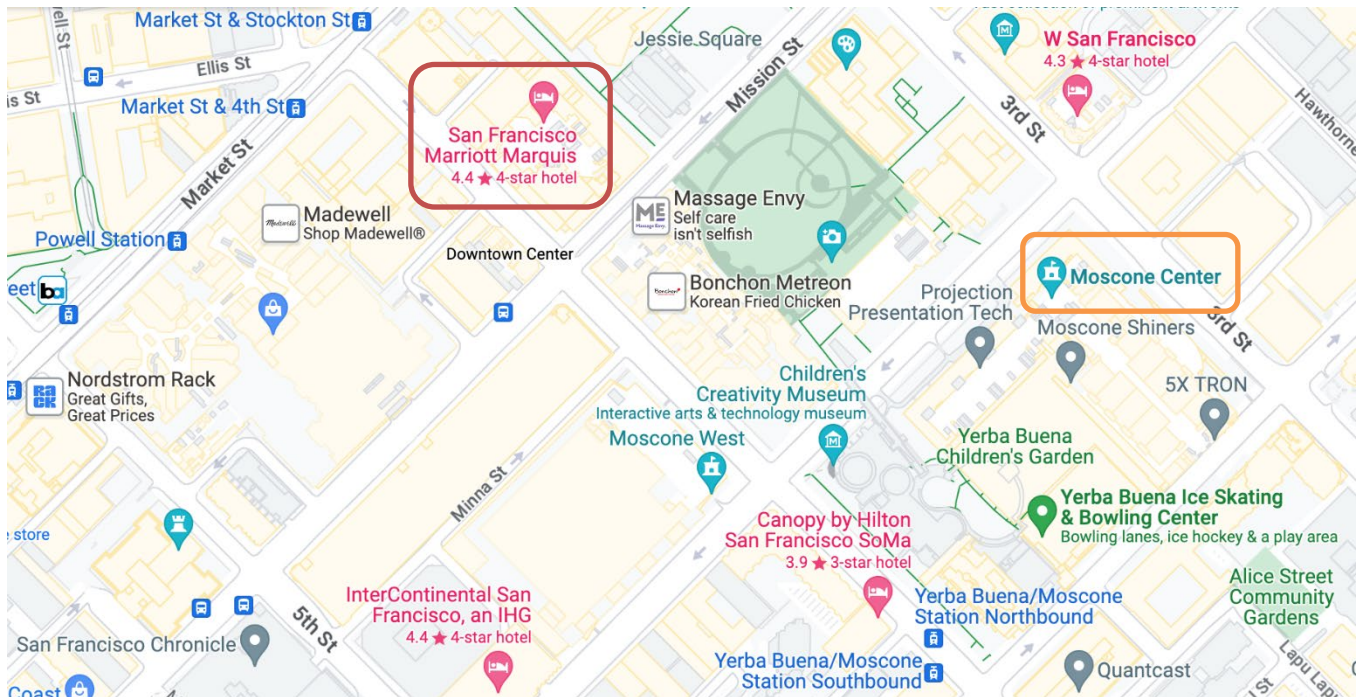
The meeting will present recent LS4P-related research, report current status of the LS4P Phase II, and present the LS4P-II experimental design. Potential research issues for the LS4P-II will be elucidated and discussed.

Venue

Room Seirra H, 5th Floor, San Francisco Marriott Marquis (in person) and online everywhere

Hotel

780 Mission Street, San Francisco, California, USA



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9 am – 5:30 pm, Sunday, December 10, 2023

(All times are Pacific Time (UTC-8))

9:00-9:15	Participants self-introduction	
Session I (Chair: Aaron Boone)		
9:15-9:30	Xubin Zeng (Univ. of Arizona, USA)	An update on GEWEX and GPEX activities and Personal View on Land's Impacts on Precipitation
9:30-9:45	Andrew Robertson (Univ. of Colombia, USA)	An update on the WCRP/WWRP S2S Prediction Project
9:45-10:00	Yishen Li (US Global Change Research Program, USA)	Recent Efforts by U.S. Global Change Research Program, Interagency Integrated Water Cycle Group
10:00-10:15	Michel Ek (NCAR, USA)	9th The Global Energy and Water Exchanges Open Scientific Conference & GLASS role in GEWEX
10:15-10:30	Tim Schneider (NCAR, USA)	The New GEWEX Regional Hydroclimate Project in the United States — Opportunities to Engage
10:30-10:45	Yan Xue (NWS/OSTI Modeling Program, National Weather Service, NOAA, USA)	Status and Plan in Developing and Implementing Medium-Range Weather, Subseasonal and Seasonal (S2S) Forecast Systems Based on the Unified Forecast System at NOAA
10:45-11:00	Coffee Break	
Session II (Chair: Craig Ferguson)		
11:00-11:15	Constrain Ardilouze (Meteo France)	Is Soil Enthalpy an Unheeded Source of Subseasonal Predictability?
11:15-11:30	Yi Qin (PNNL, DOE, USA)	Improved Subseasonal-to-Seasonal Improved S2S Prediction of Climate Models with Nudging Approach for Better Initialization of TRC Wave Train and Land Surface Conditions
11:30-11:45	Retish Senan (ECMWF)	LS4P Phase-II: Initial Results from Sensitivity Experimentation with the ECMWF-IFS Forecast Model
11:45-12:00	Jaeyoung Song/M. Koo (KIAPS/KMA, Korea)	A Study on the Perturbation effect of the Tibet Plateau and Rocky Mountain Region using the Korean integrated model
12:00-12:15	Subodh Kumar Saha (Ins. Tropical Meteorology, India)	A dominant mode in the first phase of the Asian summer monsoon rainfall

12:15-12:30	Xin-Zhong Liang/H. Xu (UMD, USA)	Understanding Teleconnection Effects of Tibetan Plateau Soil Anomalies
12:30-13:30	Lunch	
13:30-13:45	Group Photo	

Session III (Chair: Qi Tang)		
13:45-14:00	Ruby Leung (PNNL, DOE, USA)	Uncovering the Interannual Predictability of the 2003 European Summer Heatwave Linked to the Tibetan Plateau
14:00-14:15	Yang Zhang (Nanjing Univ., China)	Near-Global Summer Circulation Response to the Spring Surface Temperature Anomaly in Tibetan Plateau
14:15-14:30	Yuhei Takaya (MRI/JMA, Japan)	Sub-monthly Timescale Causality between Snow Cover and Surface Air Temperature in the Northern Hemisphere Inferred by Liang–Kleeman Information Flow Analysis
14:30-14:45	Shixue Li/T Sato (Univ. Hokudai, Japan)	Connection of Indian Monsoonal Heating and East Asian Rainfall in June
14:45-15:45	Jianping Tang (Nanjing University, China)	LS4P Regional Climate Model Intercomparison: from Phase I to Phase II
15:45-16:00	Coffee Break	
16:00-17:30	Moderator: Yongkang Xue (UCLA, USA)	Discussions of the LS4P-II activity and plan
18:30-	Dinner and Social (free participation)	