



UNITED STATES
of AMERICA

Strengthening Last-Mile Communication in South Asia

Agenda

SLMC Regional Review and Planning Workshop and Flood Forecasting on a Shoestring Budget (FFSB) Technical Workshop

Novotel Bangkok Future Park Rangsit, Pathum Thani, Thailand

Date: 8-11 June 2026 (4 days)

Day 1 (SLMC Regional Review Workshop): 8 June 2026		
Time	Session / Activity	Speaker
09:00-09:30	Registration	RIMES
09:30-10:00	Opening Session: Welcome Remarks	<ul style="list-style-type: none"> ● A. R. Subbiah, DG, RIMES ● Dr. David Yates, UCAR ● Dr. Michael Ernst, U.S. Department of State ● Dr. Thomas Adams, U.S. Department of State
10:00-10:30	Group photo and Tea break	All
10:30-11:00	Bangladesh Country Progress and Lessons Learned: Strengthening Last-Mile Early Warning and Community Preparedness under the SLMC Project	Sakib Imtiaz, RIMES (Virtual)
11:00-11:10	Partner Reflections: Insights, Experiences, and Recommendations for SLMC	Stakeholders
11:10-11:30	Open Discussion	All
11:30-12:00	Nepal Country Progress and Lessons Learned: Strengthening Last-Mile Early Warning and Community Preparedness under the SLMC Project	Puja Shakya, RIMES
12:00-12:10	Partner Reflections: Insights, Experiences, and Recommendations for SLMC	Stakeholders
12:10-12:30	Open Discussion	All
12:30-13:30	Lunch	All

13:30-14:00	Pakistan Country Progress and Lessons Learned: Strengthening Last-Mile Early Warning and Community Preparedness under the SLMC Project	Amber Masud, RIMES
14:00-14:10	Partner Reflections: Insights, Experiences, and Recommendations for SLMC	Stakeholders
14:10-14:30	Open Discussion	All
14:30-15:00	Sri Lanka Country Progress and Lessons Learned: Strengthening Last-Mile Early Warning and Community Preparedness under the SLMC Project	Sathsara Sumanasekara, RIMES
15:00-15:10	Partner Reflections: Insights, Experiences, and Recommendations for SLMC	Stakeholders
15:10-15:30	Open Discussion	All
15:30-15:45	Wrap-Up and Key Takeaways for Day 1	
		Mitesh Sawant, RIMES
15:45-16:00	Tea Break	All

Day 2 (SLMC Planning & Transition to FFSB Workshop): 9 June 2026		
Time	Session / Activity	Facilitator / Presenter
09:00-09:30	Registration	RIMES
09:30-9:45	Recap of Day 1: Key Findings, Lessons Learned, and Emerging Priorities Across Countries	Mitesh Sawant, RIMES
9:45-11:30	<p>Country Table-top Discussion: Proposed Priorities and Activities for the Next Phase of SLMC</p> <ul style="list-style-type: none"> ● Bangladesh ● Nepal ● Pakistan ● Sri Lanka <p>Country Presentations based on Table-top Discussions</p> <p>(Working session with Tea Service)</p>	All
11:30-12:00	Development of Roadmap for next phase of SLMC Program	Mitesh Sawant, RIMES
12:00-13:00	Lunch	All
13:00-14:00	Motivation for FFSB	UCAR / FFSB Expert, Michael Ernst, PhD
14:00-14:30	Introductory Session – Foundations of Advanced Flood Forecasting	UCAR / FFSB Expert, Thomas Adams, PhD
14:30-14:45	Tea Break	All
14:45-16:30	Introductory Session – Foundations of Advanced Flood Forecasting: Example of advanced flood forecasting (NOAA/NWS); Importance of data quality in forecasting systems	UCAR / FFSB Expert, Thomas Adams, PhD
16:30-17:00	Discussion and reflections	All

Day 3 (FFSB Technical Workshop): 10 June 2026		
Time	Session / Activity	Facilitator / Presenter
09:00-09:30	Registration	RIMES
09:30-9:45	Understanding forecast uncertainty: Introduction to ensemble hydrologic forecasting	UCAR / FFSB Expert, Thomas Adams, PhD
09:45-10:30	FFSB Philosophy and Structure Session: Open-source forecasting tools and examples; Capacity building and self-sufficiency in forecasting systems; Building a forecasting community of practice; Overview of basic and advanced FFSB operational workflows	UCAR / FFSB Expert, Thomas Adams, PhD
10:30-10:45	Tea Break	All
10:45-11:30	Incorporating water management/Infrastructure into forecasts (water systems model: Pywr, Hec-Ras, MODSIM, others).	UCAR / FFSB Expert, David Yates, PhD
11:30-12:30	Parameter Estimation for Hydrologic Modeling Session: RDHM / SAC-SMA parameter estimation theory; Hydrologic model calibration concepts; Importance of parameter sensitivity	UCAR / FFSB Expert, Thomas Adams, PhD
12:30-13:30	Lunch	All
13:30-15:15	Parameter Estimation Process Session: Data requirements for parameter estimation; Software tools used in FFSB modeling; Hardware requirements and Linux-based systems	UCAR / FFSB Expert, Thomas Adams, PhD
15:15-15:30	Tea Break	All
15:30-16:30	Technical Demonstration of RDHM/SAC-SMA parameter setup; Walkthrough of parameter estimation steps	UCAR / FFSB Expert, Thomas Adams, PhD
16:30-17:00	Wrap-up discussion and questions	All

Day 4 (FFSB Technical Workshop): 11 June 2026		
Time	Session / Activity	Facilitator / Presenter
09:00-09:30	Registration	RIMES
09:30-10:15	Advanced Modeling for Flood Forecasting Session: 2-D Hydrodynamic modeling using TRITON, 2-D Runoff Inundation Toolkit for Operational Needs. Example using a 2113 sq km basin in Thailand	Sudershan Gangrade, PhD, Oak Ridge National Laboratory (ORNL)
10:15-10:45	Configuring the RDHM for Operational Forecasting Session: Preparing observed precipitation and temperature data; Preparing NWP ensemble precipitation and temperature inputs; Setting up the RDHM control file for operations; Forecast system execution; Forecast analysis and product generation	UCAR / FFSB Expert, Thomas Adams, PhD
10:45-11:00	Tea Break	All
11:00-12:30	RDHM Real-Time Demonstration Session: Demonstration of operational RDHM forecasting workflow; Review of simulation results from each country contributor; Discussion on model performance and operational considerations	UCAR / FFSB Expert, Thomas Adams, PhD
12:30-13:30	Lunch	All
13:30-15:00	The QPx Continuum: Integrated frameworks that combine Quantitative Precipitation Estimation (QPE), Nowcasting (QPN), and Forecasting (QPF)	UCAR / FFSB Expert, David Yates, PhD
15:00-15:15	Tea Break	All
15:15-16:15	Supporting hydrologic calibration: Gridded QPE to generate spatial rainfall for calibration and the analysis cycle, building robust hydrological models for reliable flood forecasting (GPEP and others).	UCAR / FFSB Expert, David Yates, PhD
16:15-16:45	Automating workflows, cron, cylc, ecfw and others. Characteristics of workflow managers (+’s and -’s). Post processing of results, visualization of outputs, validations, and ensemble statistics	UCAR / FFSB Expert, David Yates, PhD
16:45-17:00	Workshop Closing: Summary of Key Lessons and Next Steps	Facilitated discussion