



Performance analysis of long lead flood forecast information from GloFAS

Workshop: Hydrological Services for Business

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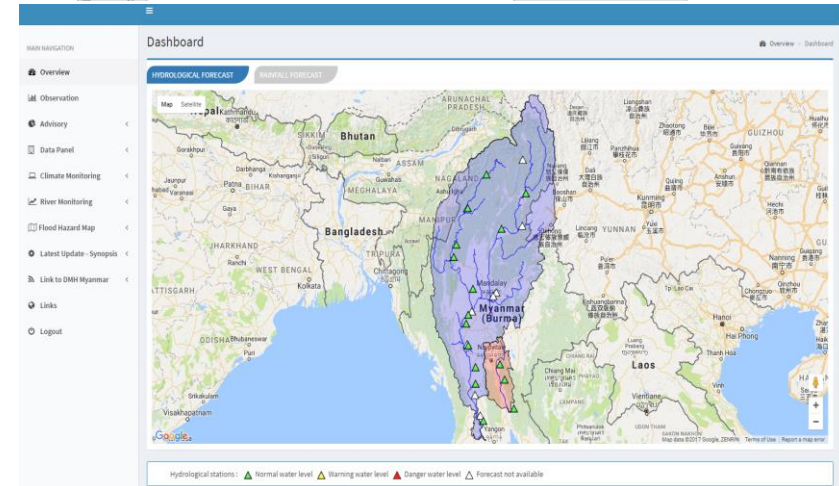
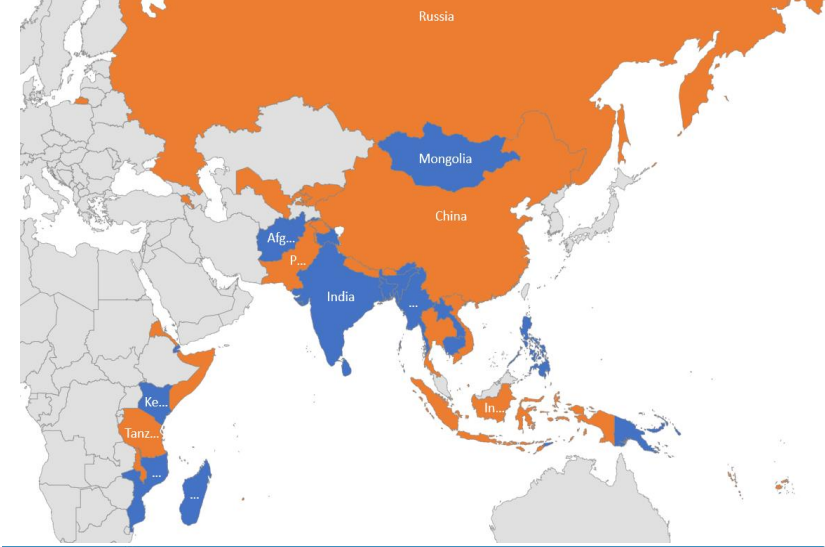
Senior Hydrologist

RIMES



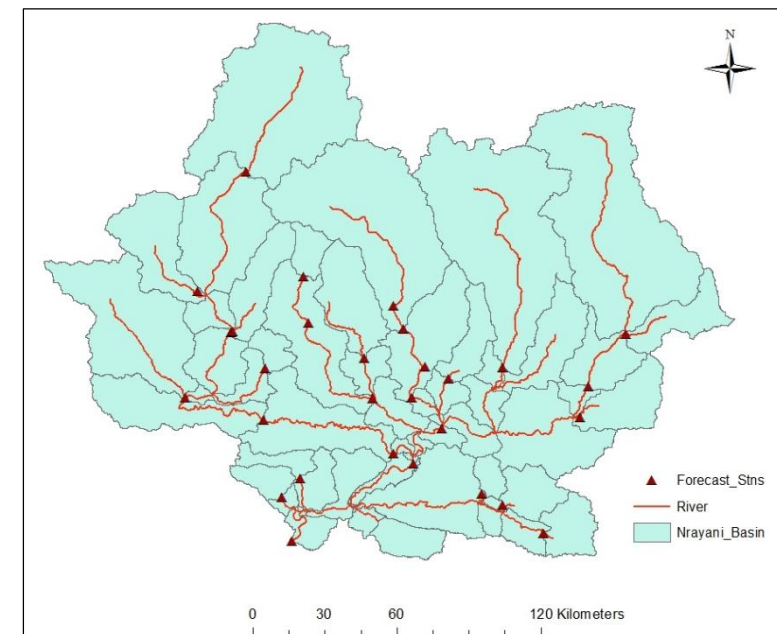
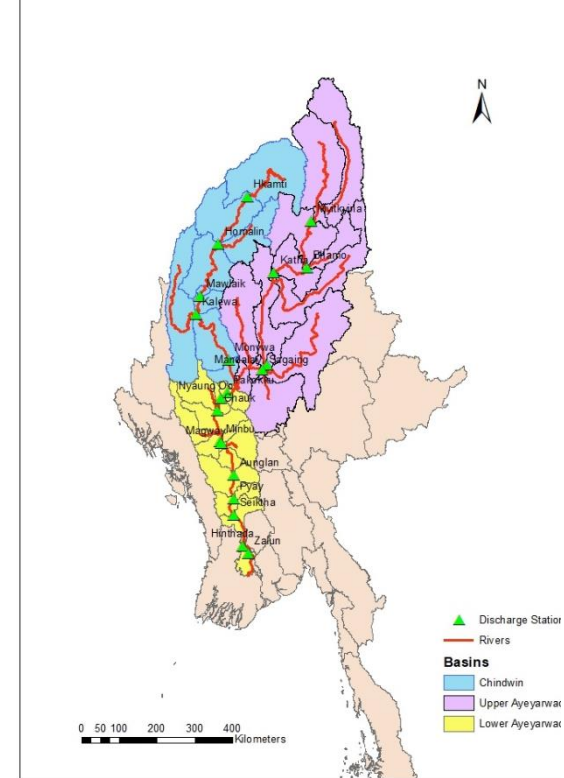
RIMES Flood Forecasting

- RIMES is supporting national meteorological and hydrological agencies from its member countries to develop the long lead flood forecasting systems.
- Flood forecast system is operational in Bangladesh, Myanmar and Nepal.
- RIMES-ECMWF/GloFAS collaborated to extend flood forecast in RIMES member countries with 30-days lead time flood outlook



GloFAS performance assessment

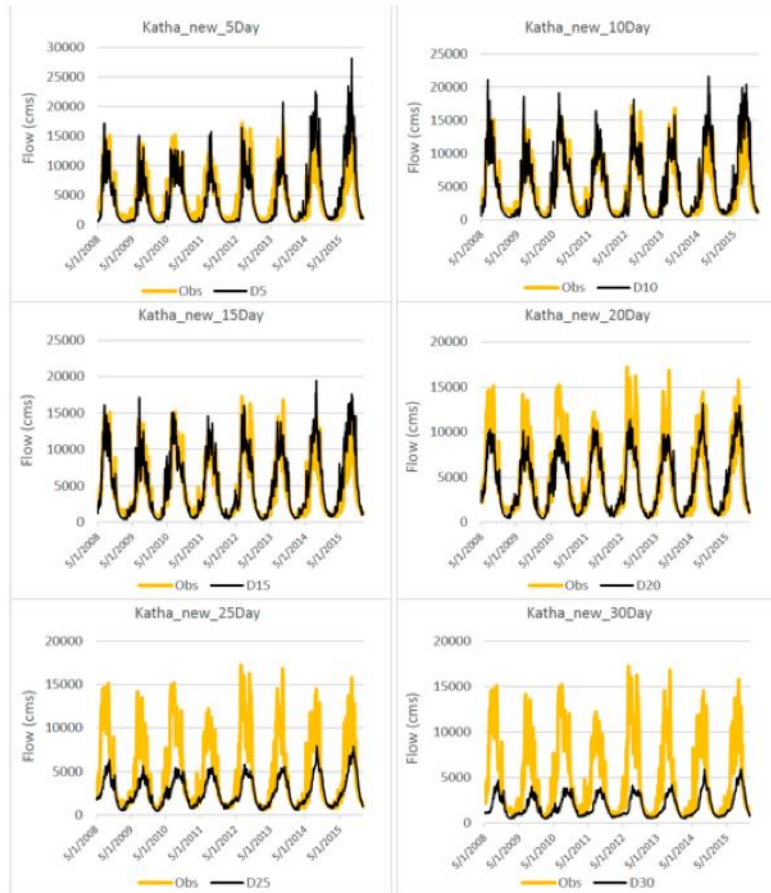
- GloFAS performance was assessed for selected locations in
 - Ayeyarwady river basin in Myanmar
 - Narayani river basin in Nepal
- Performance of ensemble mean forecast with lead time of 5-days, 10-days, 15-days, 20-days, 25-days and 30-days was analyzed



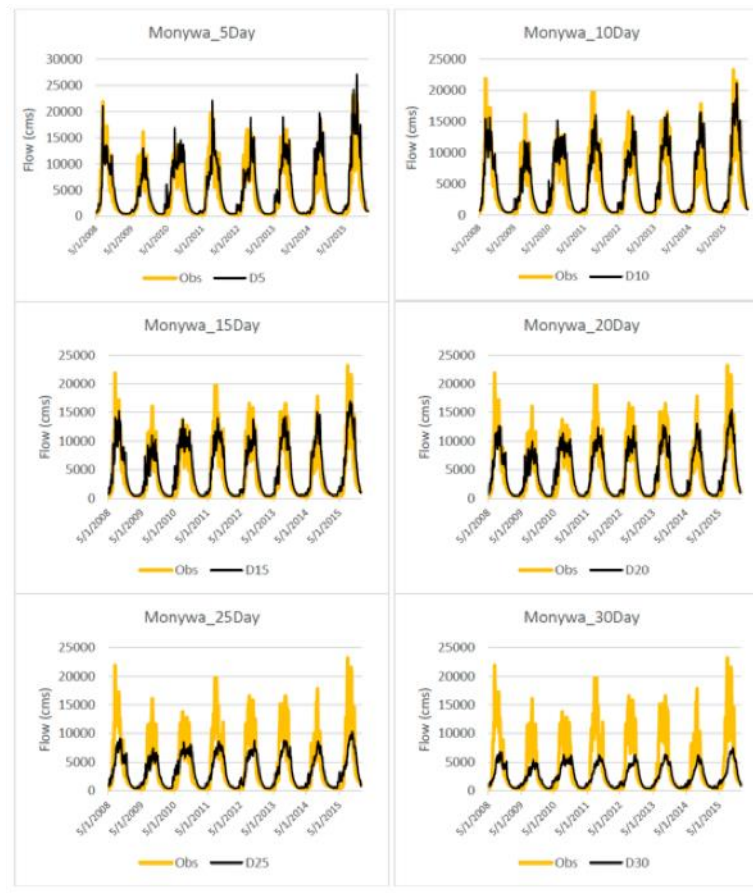


GloFAS performance assessment

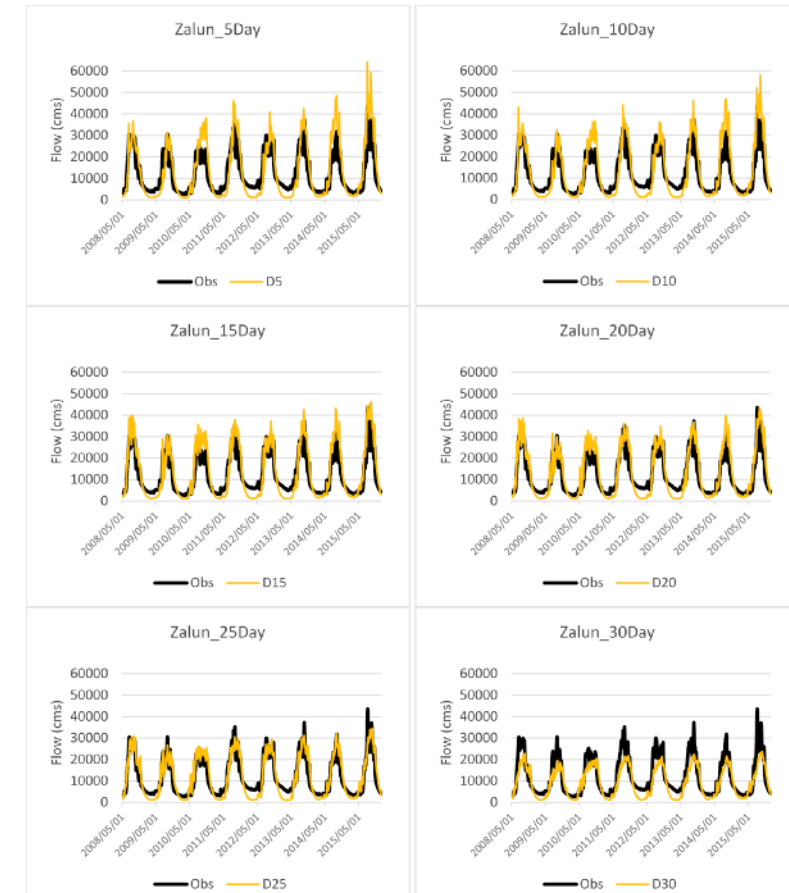
Upper Ayeyarwady



Chindwin



Basin Outlet





Conclusion and way forward

- GloFAS performance shows promising results in Ayeyarwady and Narayani
- The flood outlook at 15 days can be integrated in NMHSs operational system after conducting systematic performance evaluation



Way forward

Operational System ●

- ✓ Bangladesh
- ✓ Myanmar
- ✓ Nepal

Ongoing ➡

- Philippines
- Sri Lanka
- India
- Bhutan
- Laos

Upcoming ⬆

- PNG
- Fiji

