

# Hydro and Agro Informatics Institute, Ministry of Science and Technology, Thailand

## Science Track Lighting Talk Cyberinfrastructure and Water Resources in the Lower Mekong Region

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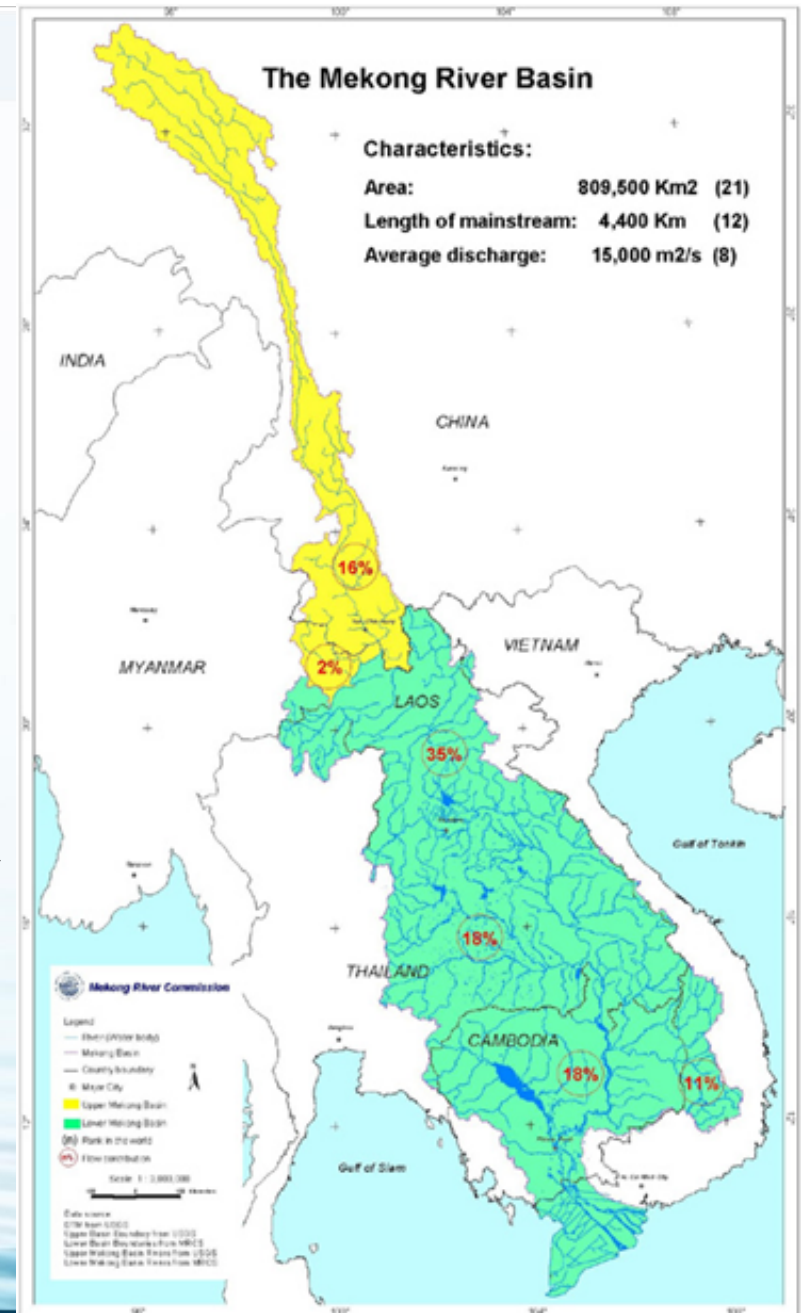
*August 18 – 22, 2014 at Hoa Binh Hotel and NASATI head office, in Hanoi, Vietnam*



Hydro and Agro Informatics Institute

## Research Interest:

1. Improve numerical weather and climate modelling and forecasting (technology transfer, development and research collaborations).
2. Water balance model (water resource management model).
3. Environmental monitoring by RS technology e.g. NDVI, NDWI, LST, SMC, Evapotranspiration, Precipitation, etc.
4. NRT Monitoring of and response to Environmental Changes (before and after imageries comparison; change detection e.g. flood and drought).
5. Searching for more efficient and suitable technology for water management, climate and climate change monitoring.



**The barriers** are lacking of data sharing, data archive and knowledge exchange mechanism within the region.

**Expectations** from the workshop:

- To get extensive and effective research collaborations among participant countries.
- To learn new and up-to-date water and climate management and monitoring technology
- To learn reliable hydro and climate data and information archive and sources.
- To have more stable and faster network of APAN where HAI is connected through Thaisarn.

