

**Lower Mekong Initiative Workshop on
Cyberinfrastructures and Water
Resources in the Lower Mekong Region
held on 18-22 August 2014
at Hoa Binh Hotel, in Hanoi, Vietnam**

Khamkeng Chanthavongsa,
Lecturer at Water Resources Engineering
Department,
Faculty of Engineering,
National University of Laos



Research Interests

1. Water Quality- Investigation of heavy metal contamination in the rivers near the small scale gold mining sites in Laos
2. Optimization of water allocation focusing on the water balance and land use by (1) evaluating the distribution of water resources, (2) predicting water demand and supply, (3) assessing flood and drought risks, (4) estimating the land cover changes by urbanization and deforestation, (5) predicting food demand and supply and (6) evaluating impacts of human activities to water environment.



Barriers of Researches

- Limited Knowledge and experiences of researchers concerning to the computer modeling
- Lacking of field and laboratory equipment
- Lacking of funding support
- Lacking of data and information



Expectations

- Effective Research Proposal writing for funding sources
- Building Network for collaboration research
- Learning on the research experiences related to the water resources allocation
- Learning on different computer modeling that can be applied for water allocation researches



**Thank You for
your Attention!**