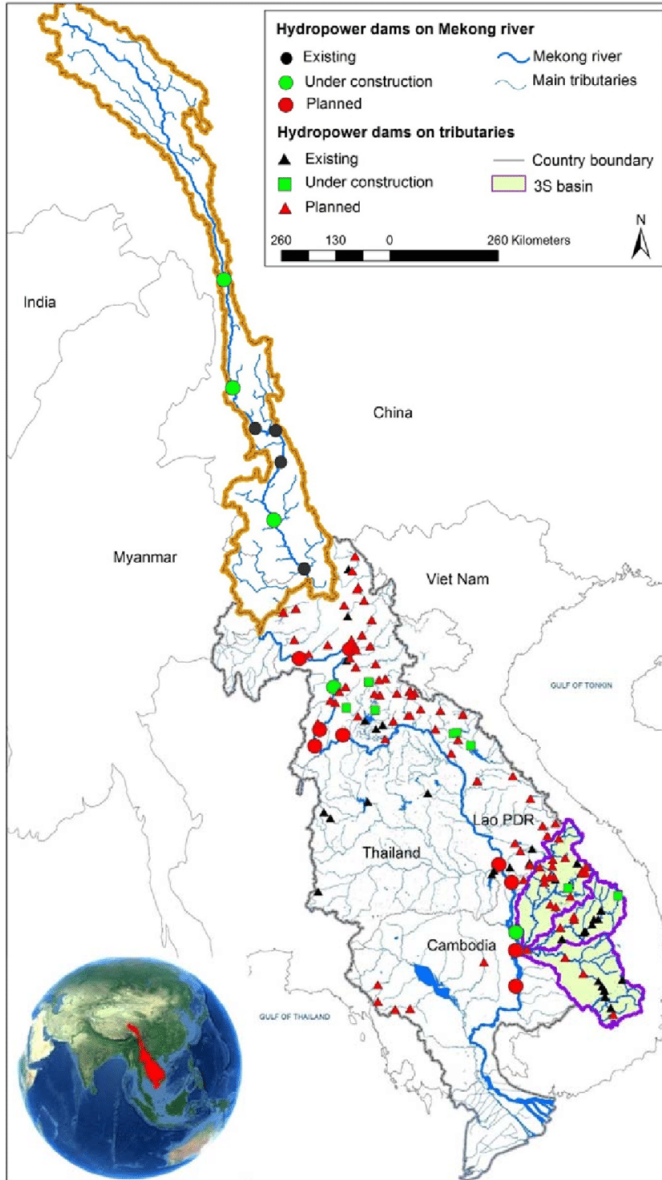


Opportunities for Managing Cascade of Dams

Reepal Shah and John Sabo

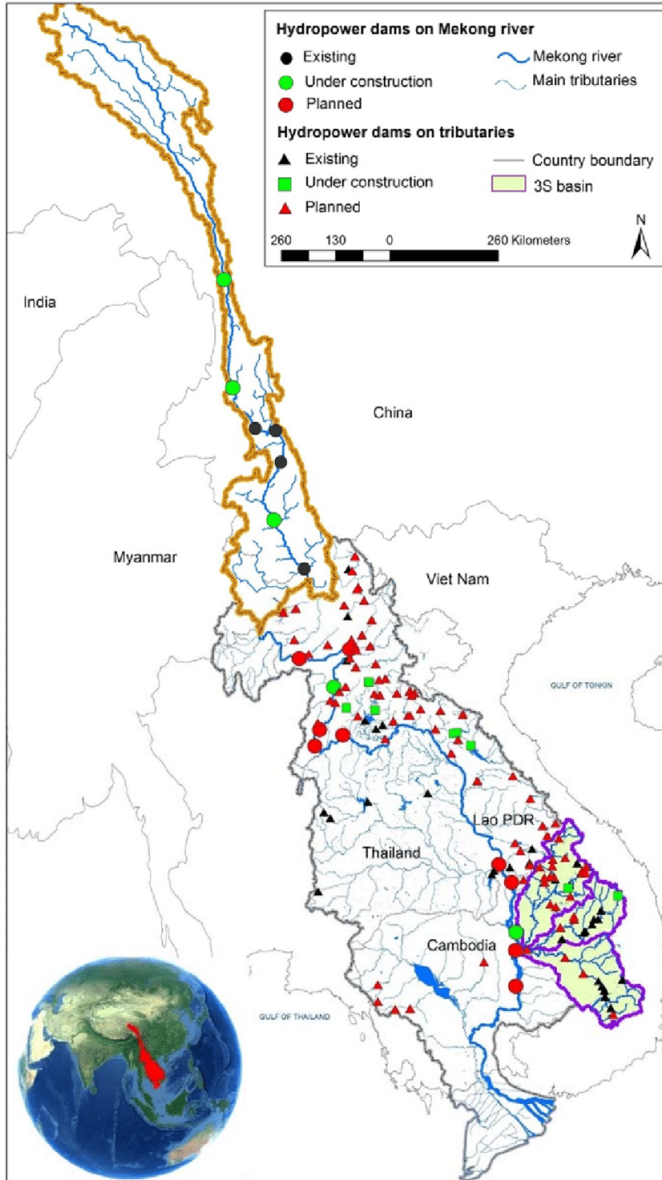


Cascade of Dams in the Lancang-Mekong basin



Source: Bun Ngor (2018) developed based data from MRC 2015

Operation Scenarios



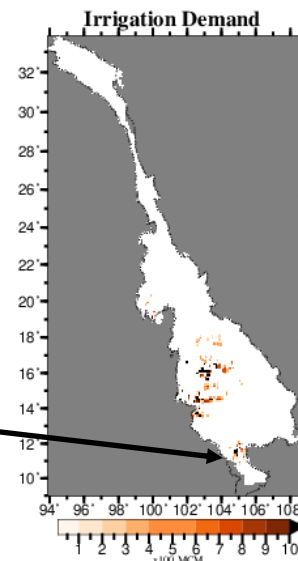
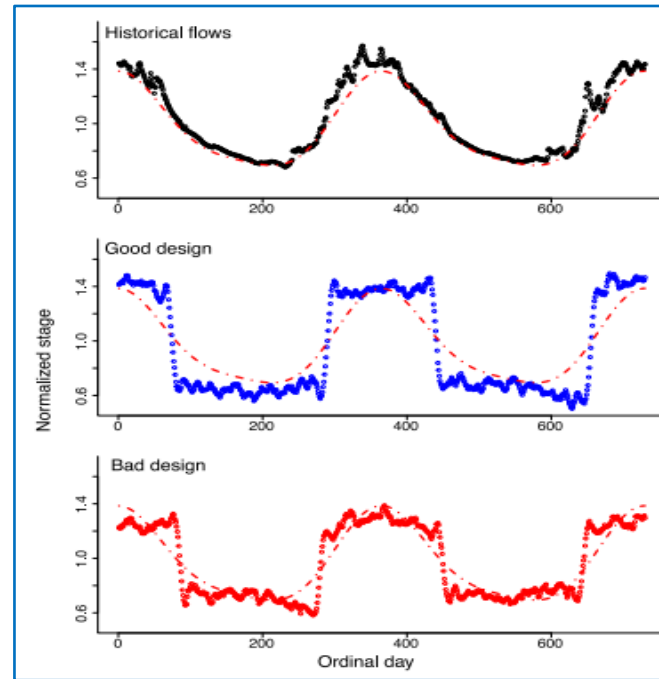
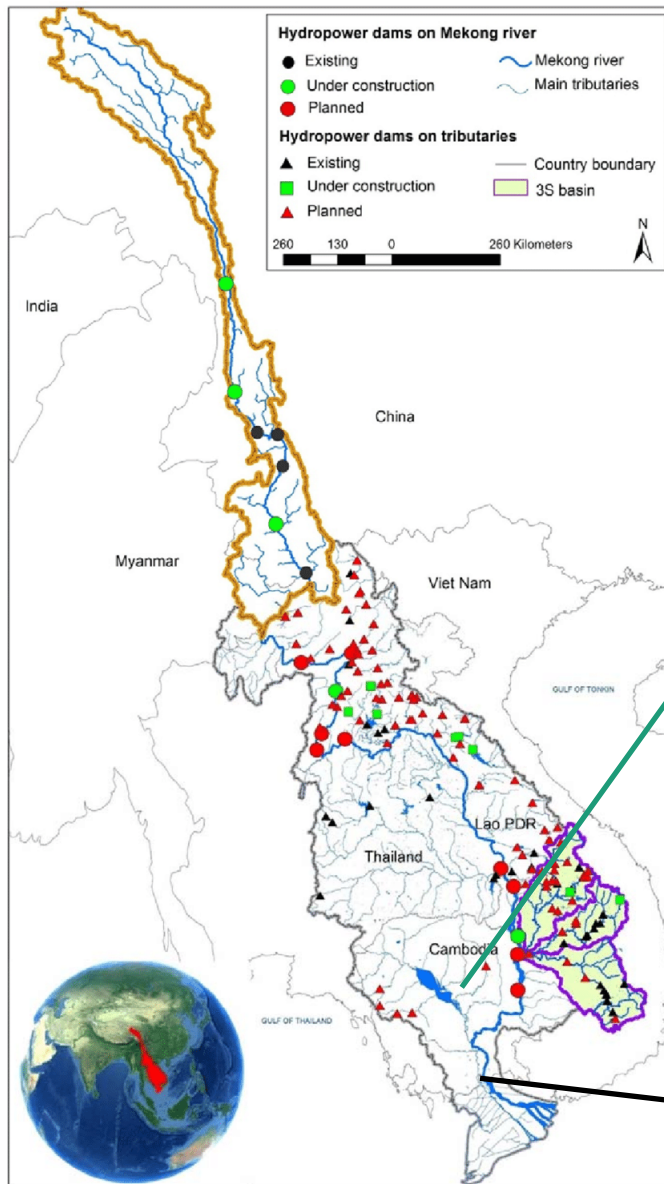
Example Scenarios and strategies

Flood scenario

Prioritization: Dam safety, Hydropower

Drought scenario

3S Prioritization: E-flows, Food security (e.g. Rice and Fish)



How Science Can help?

Sample strategy: Operate 3S dams to satisfy 'good' design flows required for fish and temporal irrigation need.

Thank you

Reepal.Shah@asu.edu, John.L.Sabo@asu.edu

