Opportunities for Managing Cascade of Dams

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Hydropower dams on Mekong river Mekong river Main tributaries Hydropower dams on tributaries Country boundary Under construction 3S basin Myanmar

Cascade of Dams in the Lancang-Mekong basin

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



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Operation Scenarios

Example Scenarios and strategies

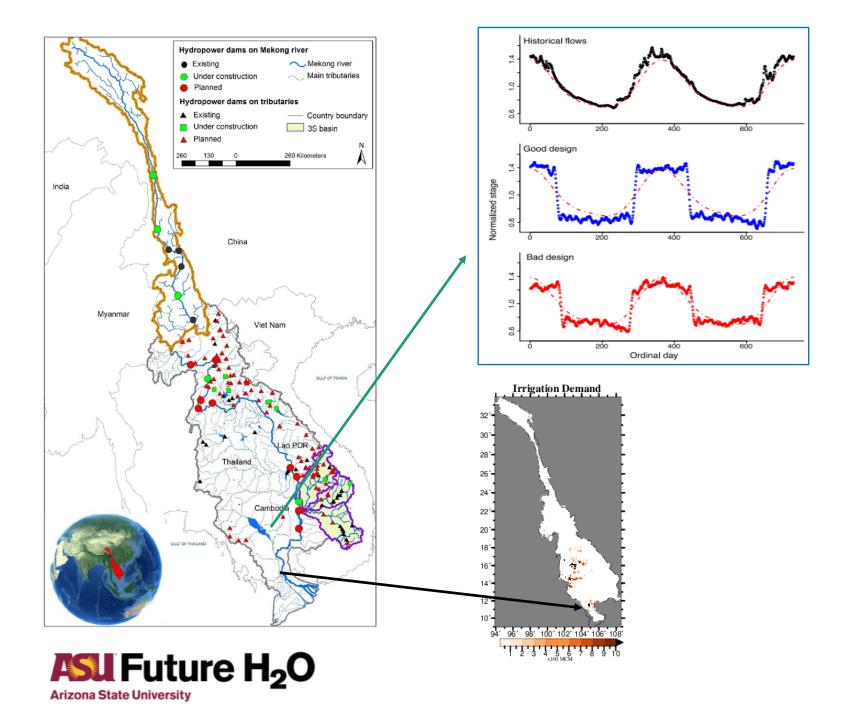
Flood scenario

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.

Source: Sabo et al. (2017) Science

Thank you

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