

Outline



- Lower Mekong floodplains and wetlands
- Governance and management in Lao PDR
- Development impacts on wetlands commons
- Pak Peung case study and the Fishway
- Interviews with elders
- Findings
- Conclusions

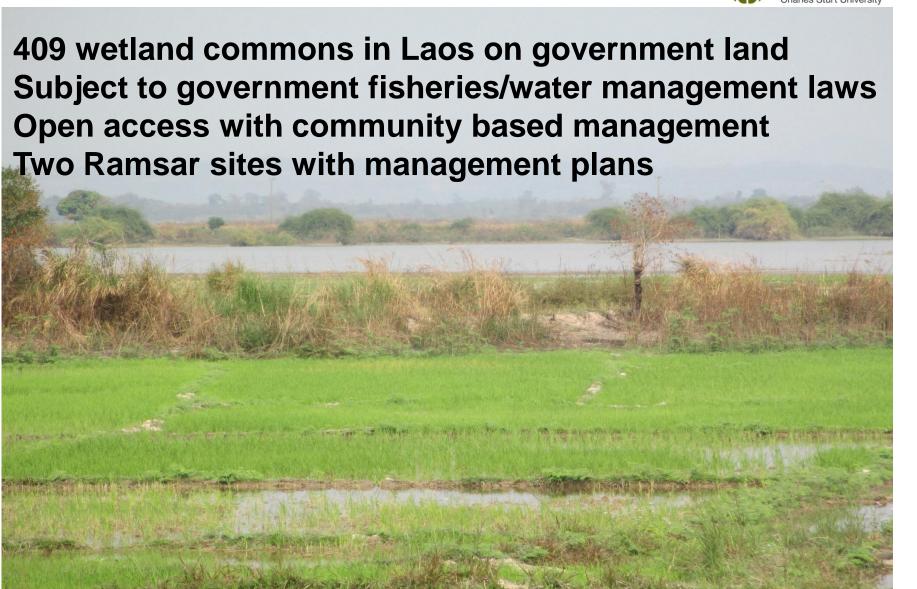




Lower Mekong floodplains/wetlands Institute for Land, Water and Society



Governance and Management in Lao PDR Institute for Land, Water and Society



Development impacts on wetlands

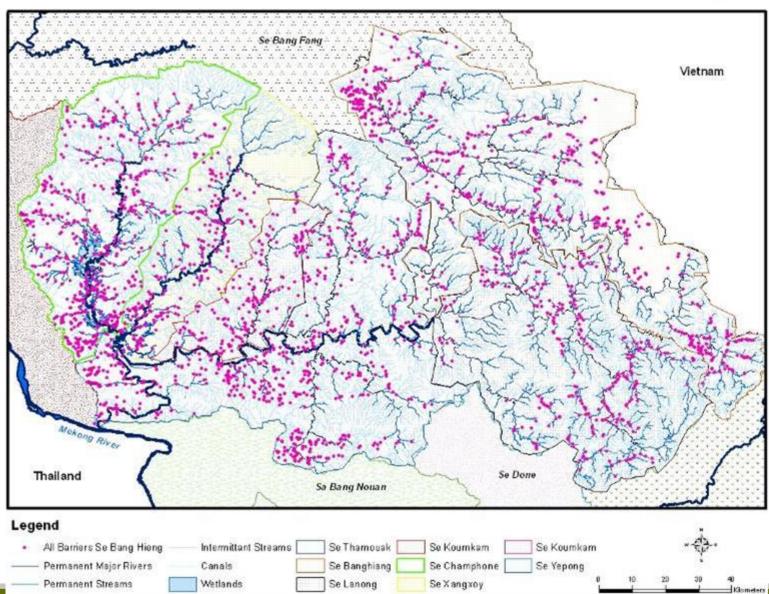


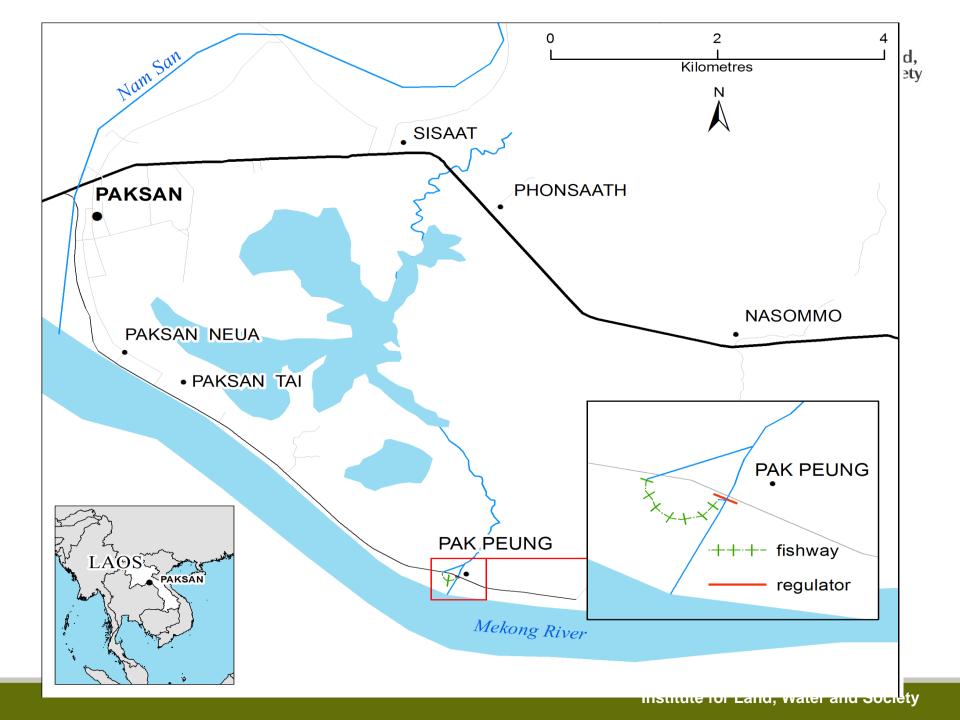
- Urban development
- Water storage for hydropower/water supply
- Irrigation for agriculture
- Overfishing
- > Flow regimes altered
- Fish migration reduced
- Habitat decline
- Pollution
- Loss of large fish species



Barrier Mapping







The Fishway Project 2011-2015









Australian Government

Australian Centre for International Agricultural Research





In depth interviews with 25 elders in 2012

➤ To explore their observations of changes in wetland condition and commons management

> To get their suggestions on strategies for future

management





16 males, 9 females



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Changes in wetland condition and fish



In the past there was;

- More vegetation and habitat for fish to breed and hide
- More fish, easier to catch, lower water levels
- More wildlife

"After build weir not many trees in wetland, not many wildlife.
Before building, many fish moved from the Mekong river. Big fish would come....Pa Nyai - big fish: Pa Khao, Pa Ngon, Pa Lart, Pa Khop"

[Elder from Ban Paksan Nua]

"After weir construction I can have a rice field and grow vegetables to sell in market now better than before. But after weir, big fish species are not seen" [Elder from Ban Nasammo]

Causes of wetland and fish decline

- More people fishing and for commercial use
- Use of modern fishing gear
- Illegal fishing methods (eg electric)
- > Fish cannot migrate past the weir wall
- Felling trees to trap fish





"Many people catch fish for home eating, for trading and use modern fishing gear e.g. gillnet, cast net, electrofishing" Elder from Paksan Nua







Traditional management practices

- Some village regulations in the past
- Head monks, buddhist holidays, full moon- no fishing
- Fish for families or temples only
- No small fish or breeding fish
- Conservation areas established











Elder suggestions



- Conservation zones for breeding habitat
- Not allow fishing at the regulator during the wet season
- Stronger policing of illegal fishing methods and tree cutting
- Let more water out in the wet season
- Revegetate around wetland
- Need support from district and provincial government

"Build relationships within the local population to create an understanding about fish, fishing gear and a good management plan for conservation. Build strong relationships and it will enhance knowledge and understanding of the wetland" [Elder from Phonsaat]

Transition to co-management











Conclusions



- From culturally managed to scientifically co-managed
- Can cultural laws/practices come back, would they be effective?
- Role of elders, youth and monks?
- Power of markets, government, army, development
- Will require careful community facilitation and ongoing engagement with all wetland users.





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