

Hydropower vs. Fish Productivity and Biodiversity in the Mekong

- Work done by Guy Ziv while at Princeton University with Dr. Eric Baran (WorldFish Center, Cambodia) and coauthors
- Published March 5th 2012 in PNAS, with commentary by Peter Kareiva and good media coverage (Nature News, Stanford Reports, Cambodia Daily and other)
- Main conclusions – need for basin-wide planning for tributary dams, some dams can and should be avoided (e.g. Lower Se San 2), more research incorporating sediment loss and social costs is required.
- InVEST was NOT used in this work, although with the monthly water yield model one can apply this model, and check how dams, land use change and climate change will affect floodplains fisheries. The updated sediment model can be useful to look at changes in sedimentation patterns, and total sediment reaching Vietnamese Delta and off-shore fisheries