



From preaching to participation: enabling joint learning and stakeholder dialogue

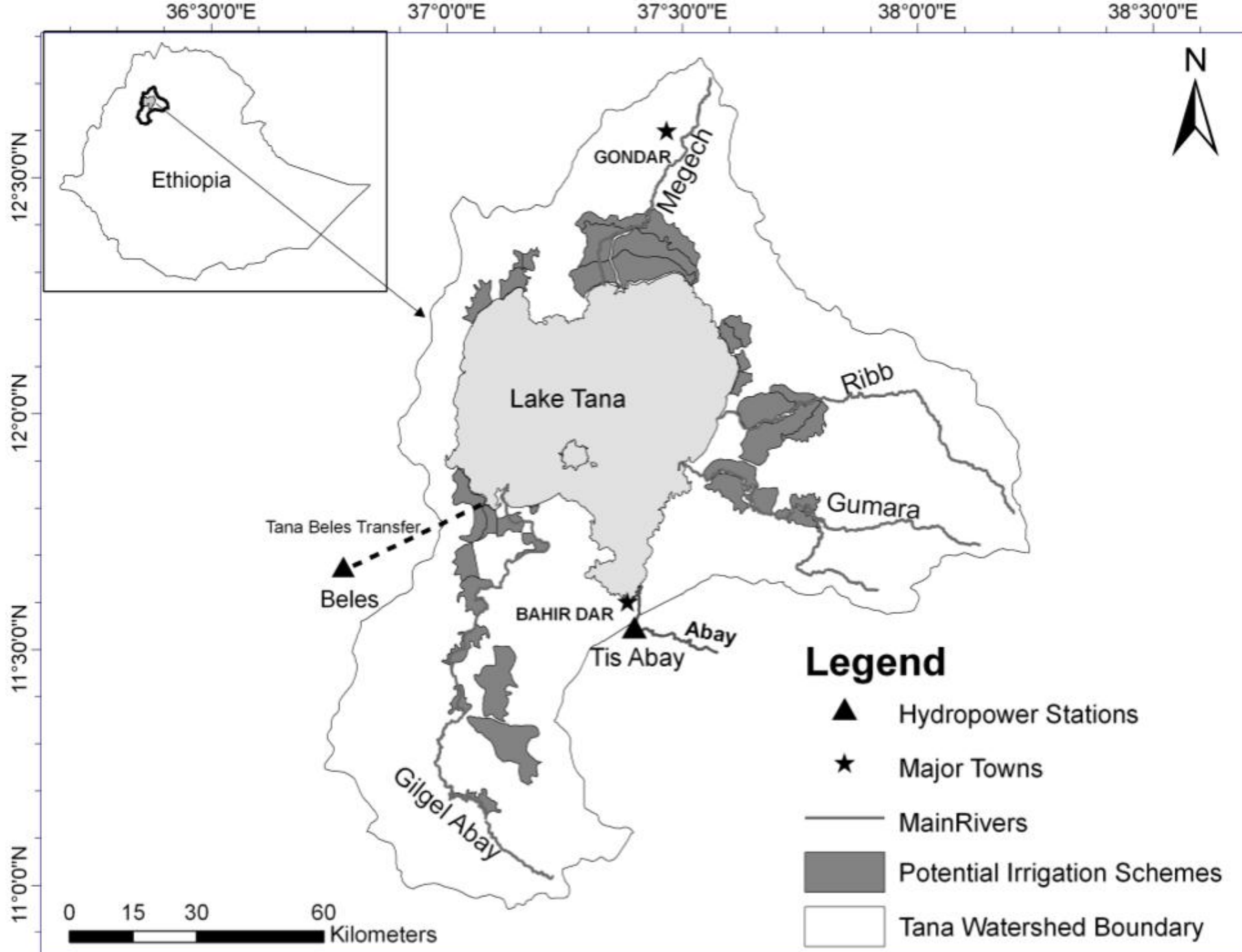
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The Water, Food, Energy and Environment Nexus: a case study in Lake Tana, Ethiopia

- Sustainable agricultural transformation and energy transitioning
- Conflicting interests and aspirations
- Policy impacts: CRGE, GTP

Aim: Assess impacts of different development pathways on various stakeholder groups, after accounting for interactions between sectors



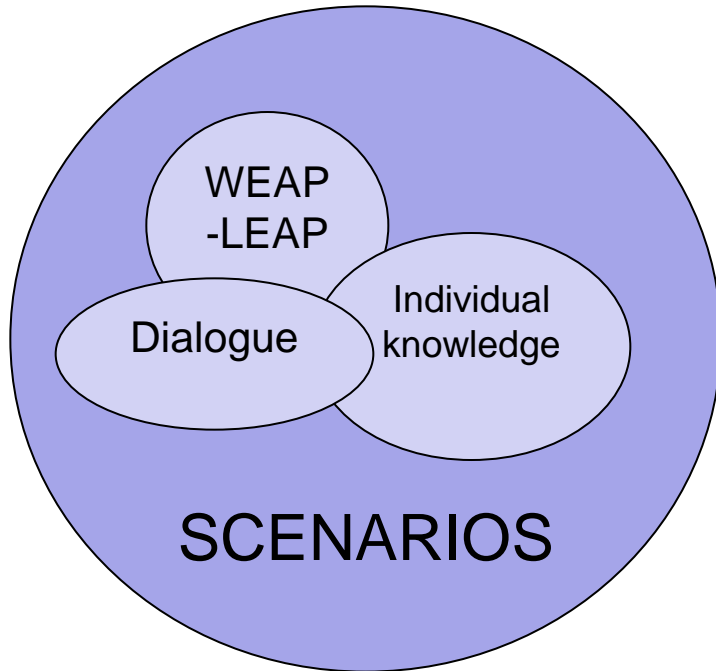
Joint learning 1 – understanding the why, who and what



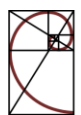
Rich picture



Joint learning 2 – developing scenario narratives



Story and simulation approach



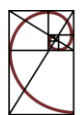
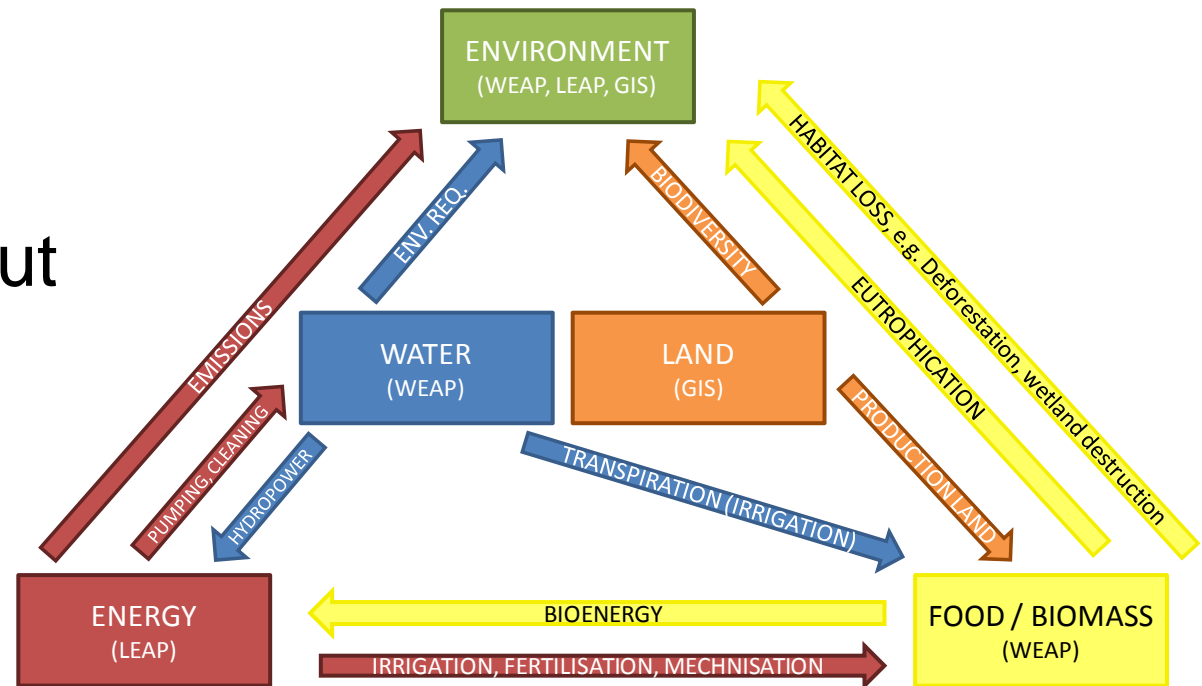
SEI

STOCKHOLM
ENVIRONMENT
INSTITUTE

Quantitative analysis

WEAP-LEAP: a
nexus tool-kit

Scenarios:
narratives about
the future

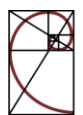




Scenarios: three stories about the future

Population increase: same in all scenarios, no climate change accounted for

- Business as usual (BAU): slow development, low adoption of new technology
- National plans (Nat Plans): full adoption of technologies according to national policies
- Nexus (Nexus): resolving outstanding dilemmas, new policy and innovation needs



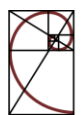
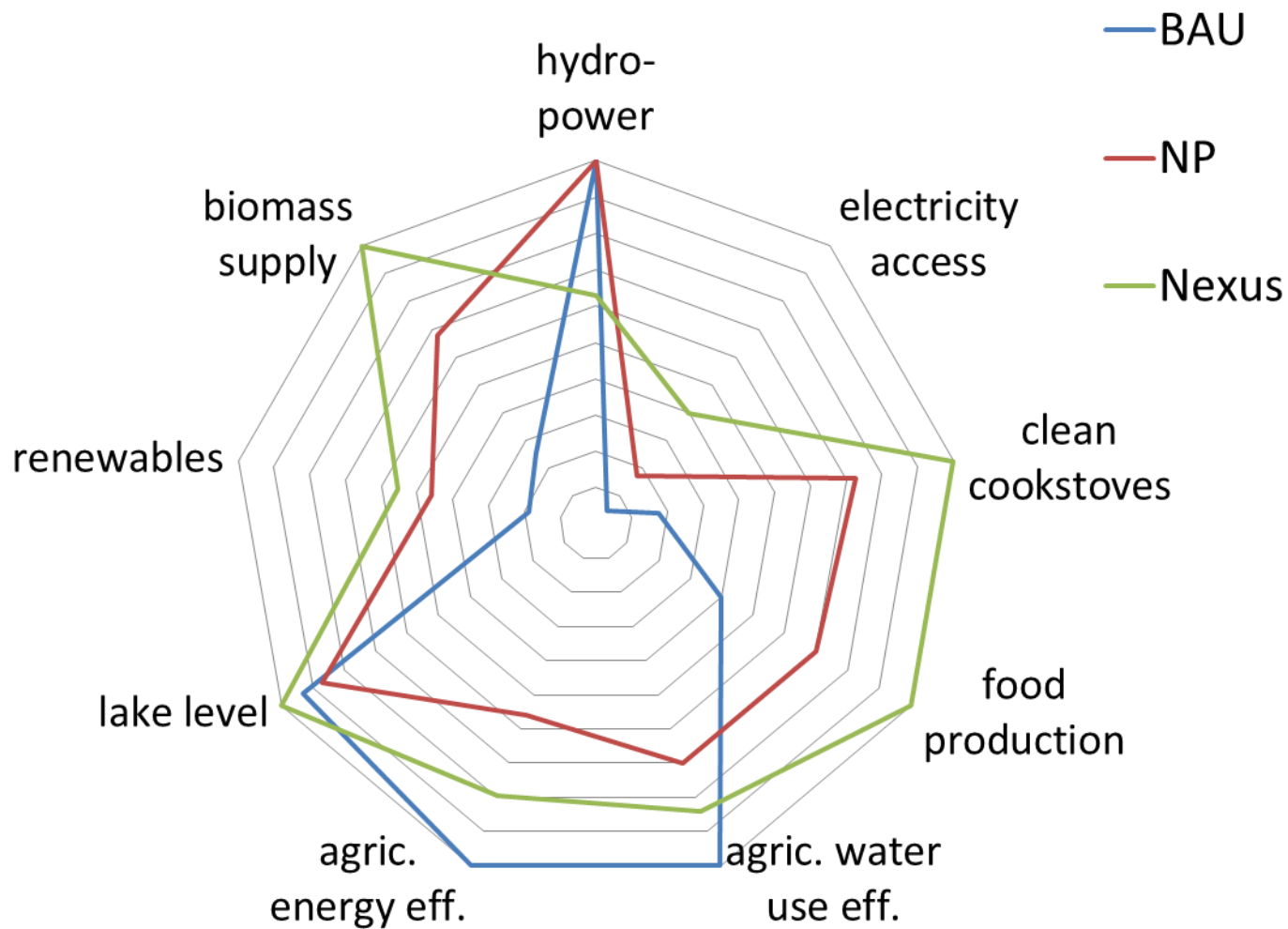
Joint learning 3 – stakeholders as experts

Stakeholders critiqued:

- Data
- Assumptions
- Results



Results





Points for discussion

Roles and responsibilities

- Who is the expert?
- The researcher: peacher or facilitator?

Capacity building and learning

- Beyond traditional training: an inclusive scientific process
- Joint learning