



Environmental outcome of community- based management

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Content

- Community Based Natural resource management
- Social-ecological system
- Evaluation approach
- Challenges, and approaches

Brief about community-based management

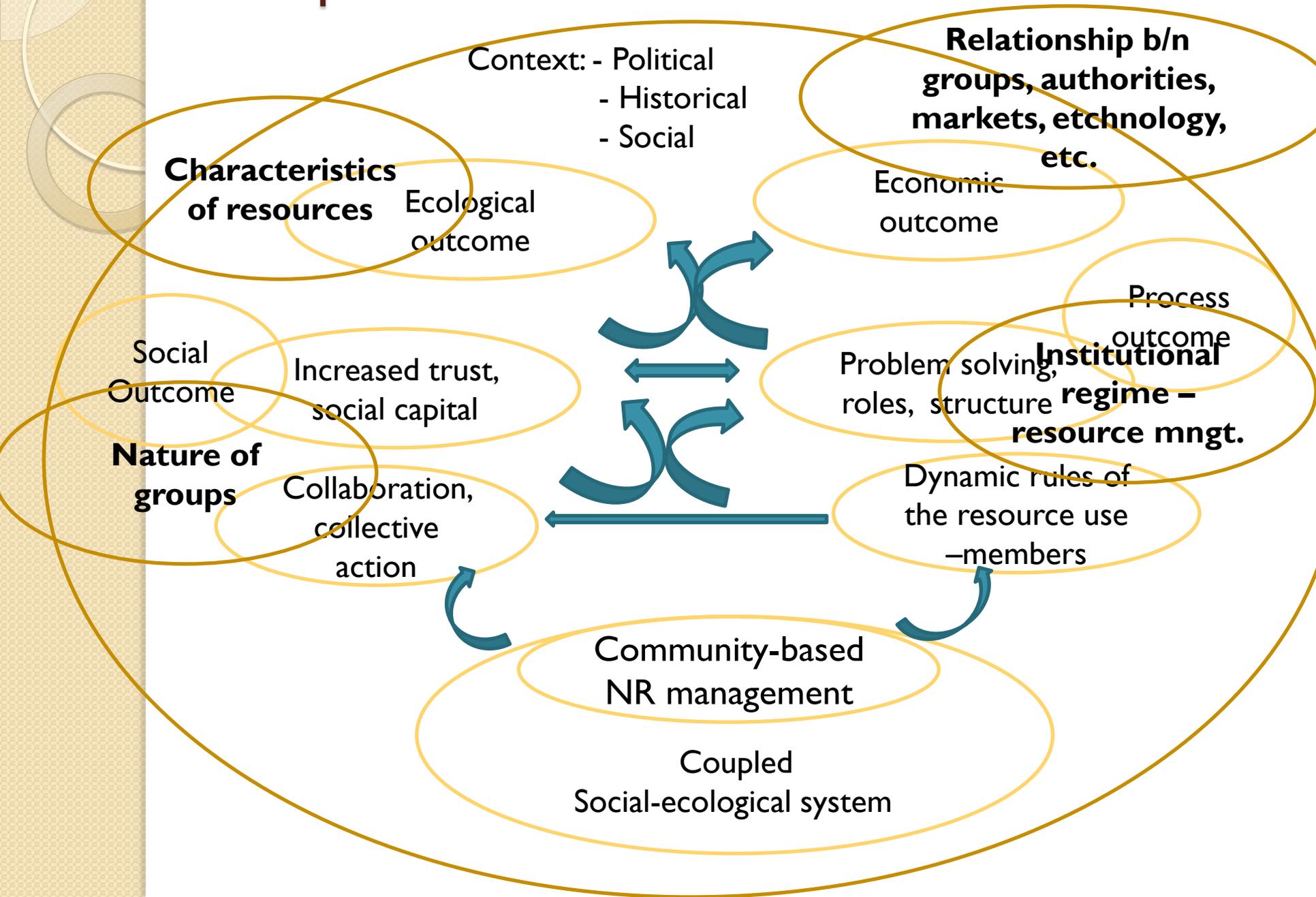
- Promising decision making approach resolving the conflict over the resource
- Increase equitable solutions at same time increasing community self-governance
- Sustainable resource management and sustainable livelihood of community members, resource users



Interrelationships between social and environmental components of CBNRM

- In-depth understanding of community-based management process helps us to find and map the interrelationships between natural and social components and following outcomes

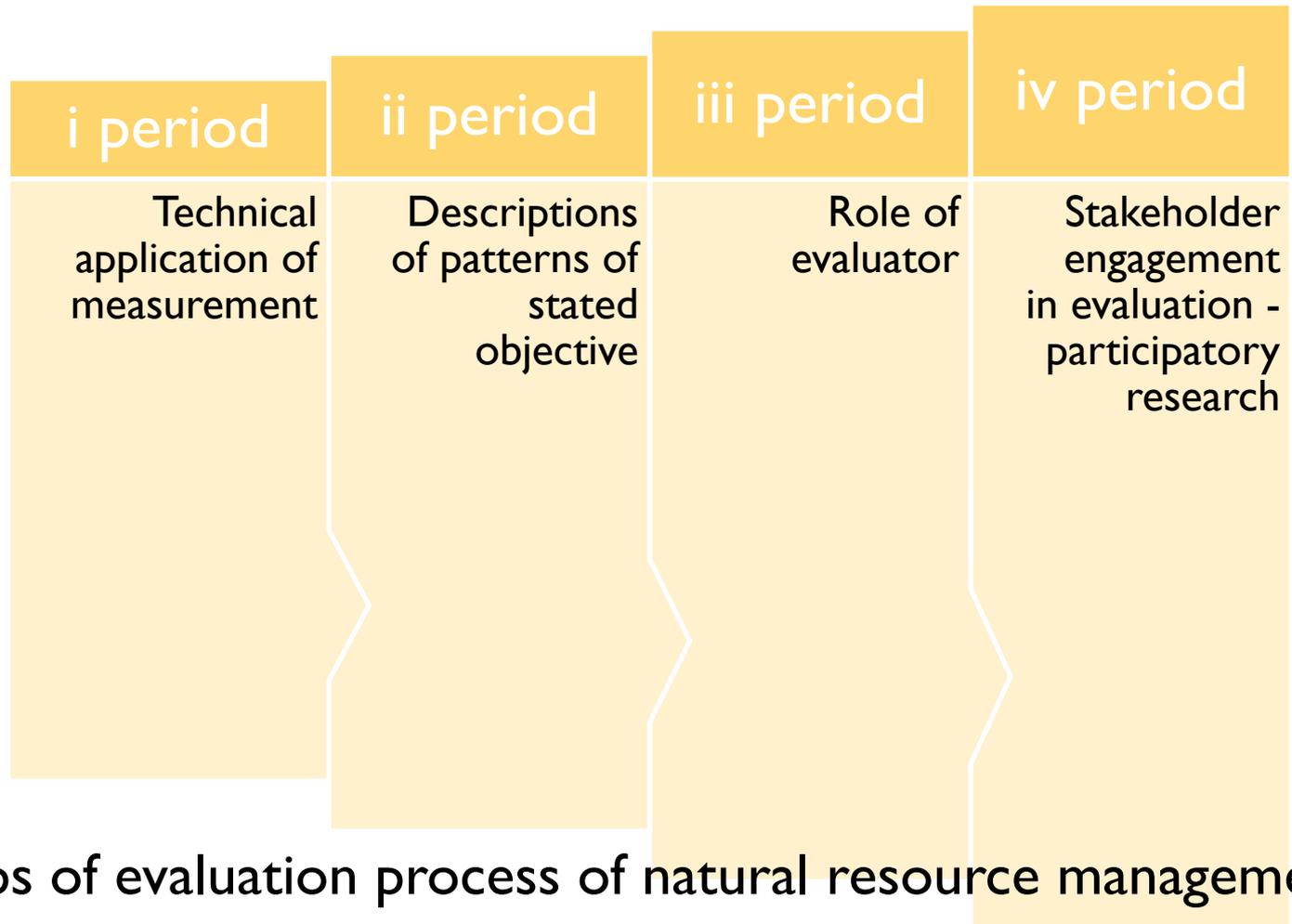
Conceptual framework



Evaluation approaches

- Improve efforts
- Which approaches and measures are appropriate
- Formulation of appropriate rules and regulations
- To get support and funding
- To measure success and prove
- Testing theoretic models on specific examples

How have these been measured



Steps of evaluation process of natural resource management

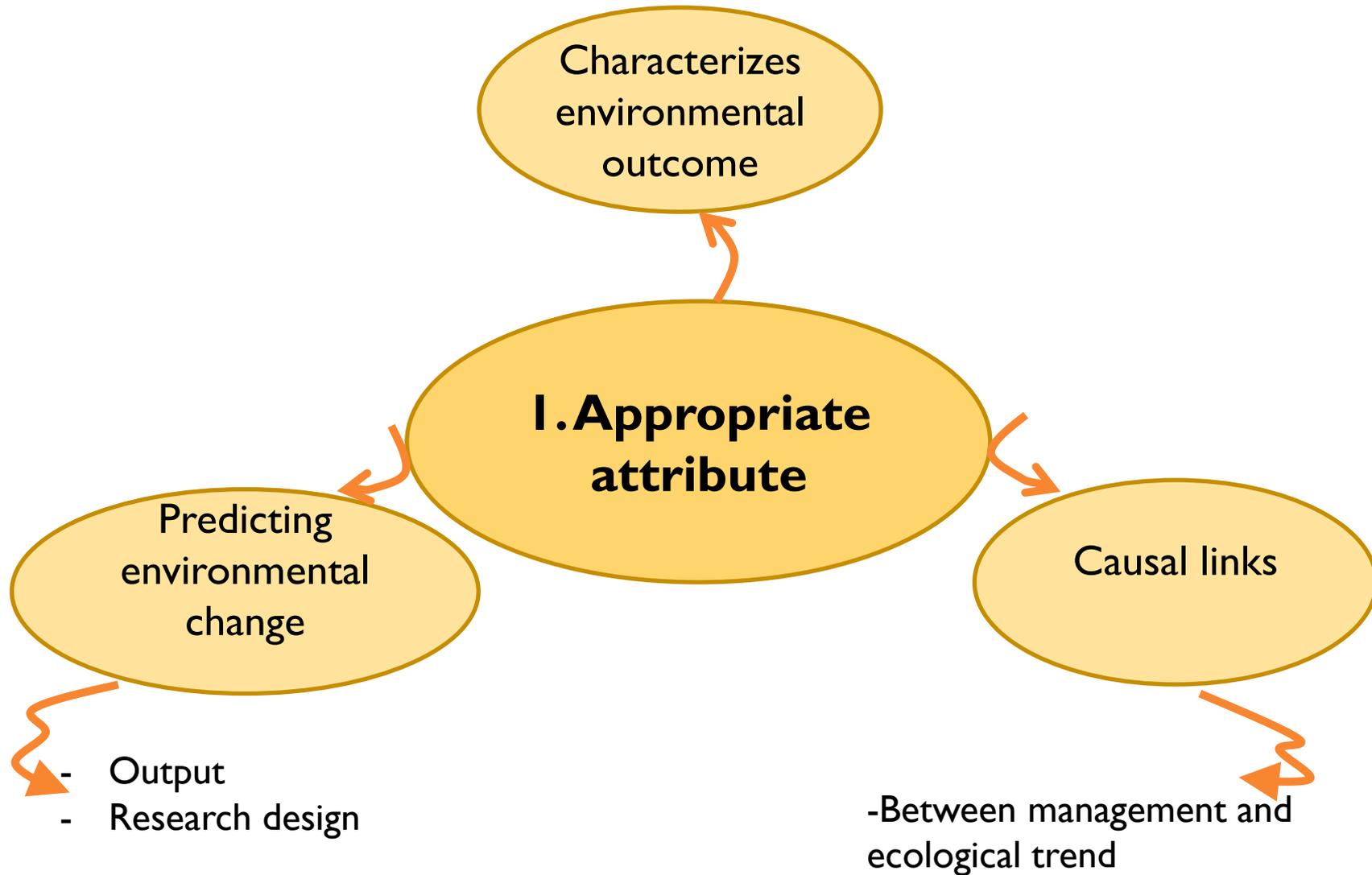
How have these been measured

- Existing study focused on outputs measurements (Agreements, resource management plan, reports)
- Social outcome is measured (increased trust and social capital) as an outcome of community based collaborative management
- Measured by indirect perceptions on environmental improvement -can be biased

How have these been measured

- Case studies
- Large N driven analysis
- Direct measure of resource condition and juxtaposition with qualitative indirect data-few

Environmental outcome research- It is challenging



Environmental outcome research- It is challenging

2. Environmental outcome should be measured in a timely manner



Environmental outcome research- It is challenging

3. Environmental condition is complex





Consideration for environmental outcome

- Resilience thinking slow vs fast moving environmental variables.
- Traditional ecological knowledge integration

How to link with TEK and Adaptive co-management

- Scholarships of commons highlighted that local community have important time and place specific knowledge
- Traditional ecological knowledge accumulated through learning by doing in their long time history of resource use. Thus in one hand TEK is similar to adaptive management.

How to link with TEK and Adaptive co-management

- Local knowledge which embedded in environmental and social history and continuously negotiated on-site, face-to-face
- Thus assessing ecological outcome it should be considered TEK in methodology



Thank you!

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