Complementing Traditional Impact Assessments with Indigenous and Local Knowledge

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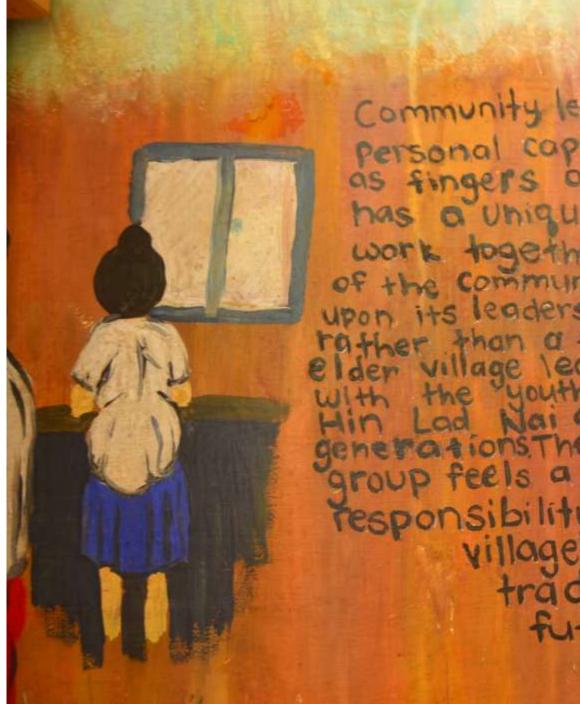


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Ambabwi of Dap-ay Malingeb beating his gaklab (shield). Sagada, Mountain Province, 1937. (Photo credit: National Gallery of Australia.)

> https://youronevoicecanmakeadifference.files.wordpress.com/ 2012/04/ambabwi-of-dap-ay-malingeb-beating-his-gaklabshield-dagtay-ceremony-sagada-mountain-province-1937photo-credit-national-gallery-of-australia.jpg

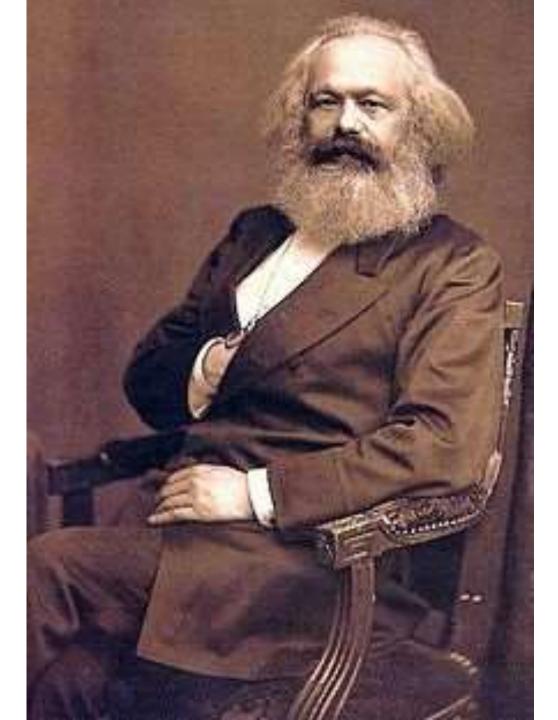


Community leadership is based on Personal capabilities. Described as fingers on a hand, each person has a unique talent but they of the community. The village agrees upon its leadership through discussion Father than a formal election. The elder village leaders work closely with the youth. The customs of Huai Hin Lad Nai are passed down from generations. The community youth group feels a Strong sense of responsibility for preserving village beliefs and traditions into the future.



Mayor Saguiyod-Gattud

http://fpe.ph/news/the-maeng-women-a-study-in-genderempowerment/3/0



https://en.wikipedia.org/wiki /Karl_Marx#/media/File:Karl _Marx_001.jpg In Huai Hin Lad Nai, the community comes before the individual and villagers share their resources. Each villager is responsible for certain tasks, but they work toge ther in small groups These groups share produce and products with the community while excess tea bamboo shoots and honey are sold to nearby villages and visitors. According to recent research, along with being self-sufficient, Huai Hin Lad Nai leaves a Small carbon footprint.









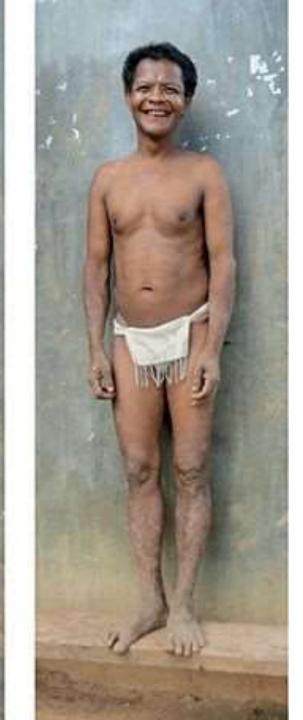
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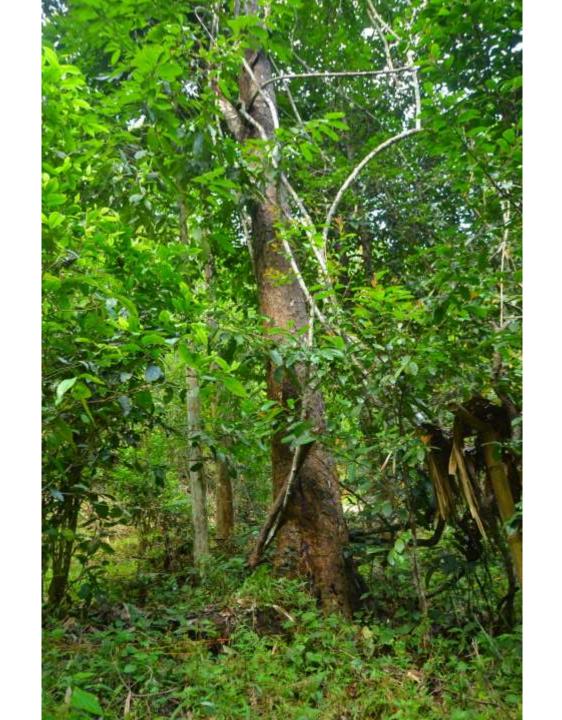
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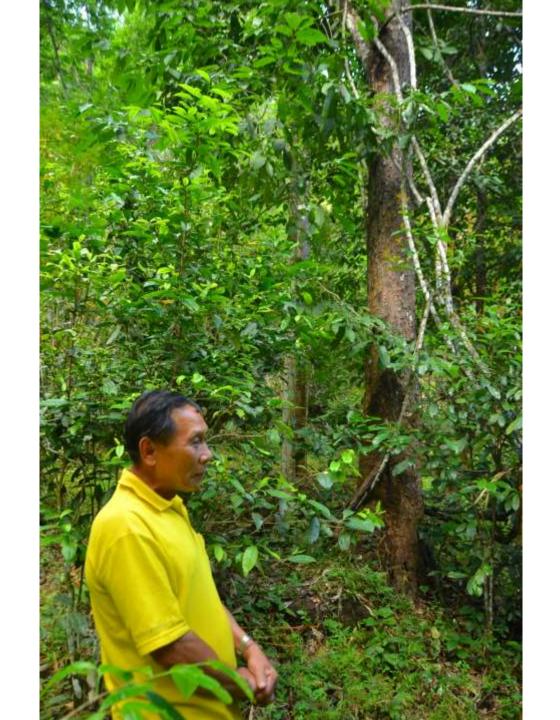


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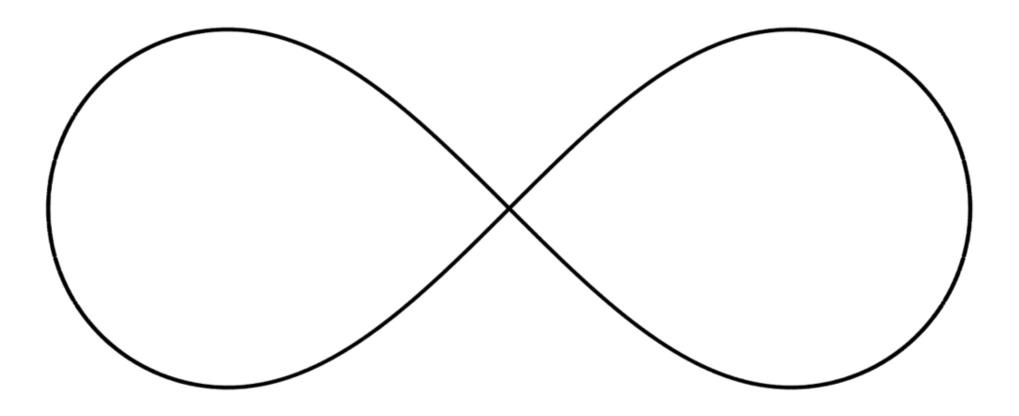




The forest is not a resource for us, it is life itself. It is the only place for us to live.

— Evaristo Nugkuag —







Traditional IA with ILK: Currents Practices, Gaps and Issues (1/2)

- Numerous initiatives have recorded a variety indigenous and local knowledge
- Global organizations have advocated ILK and IP rights
- Indigenous knowledge integrated and present in disaster risk reduction and management, ecosystem services identification, political and governance frameworks, etc. documented
 - Participatory methods involving local and indigenous peoples in various stages of impact assessment are (somewhat / should be) already standard practice

Traditional IA with ILK: Current Practices, Gaps and Issues (2/2)

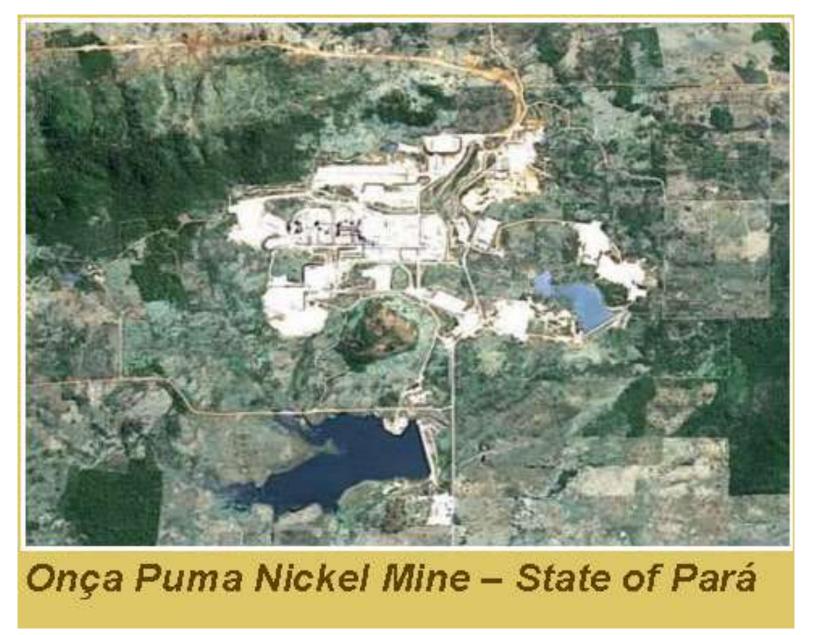
- Concerns on IP and local peoples participation in IA already written
- Interdisciplinarity is encouraged in IA (but probably not enough)
- Issues on power (among indigenous/local people representatives, IA practitioners, governments, project proponents), in terms of knowledge, economy, influence, etc. are existing.
- Other gaps and issues, as well as success stories not included in this paper presentation



Kayashima station Osaka, Japan

http://www.studioohana.com/blog/wpcontent/uploads/2015/06/%E8%90%B1%E5%B3%B6%E7%A5% 9E%E7%A4%BE.jpg





(Inglez de Souza and Giannini, 2005).

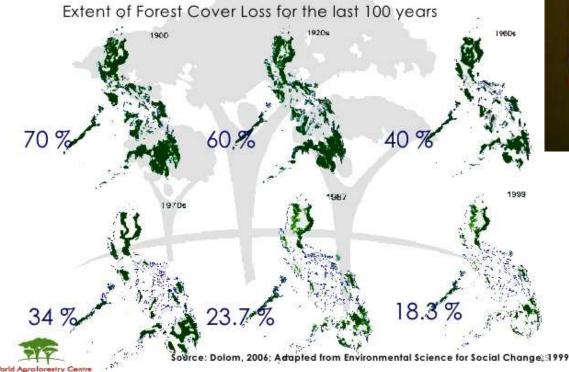
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The vanishing Philippine forests...





http://newsinfo.inquirer.net/files/2017/02/gina-lopez2.jpg





Integrating IA & ILK (1/3)

- In addition to crosscultural engagement skills (Hanna et al. 2014), IA practitioners need:
 - Personality assessments
 - Value building for high moral and ethical standards
 - Skills training for interpersonal interaction



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Integrating IA & ILK (2/3)

- Greater need for the anthropological and sociological procedures in conducting impact assessments
- More interdisciplinarity and integration needed:
 - EIA, SEA, SIA, HIA, Feasibility studies... (Us/We) need to see Impact Assessment as a unified exercise and framework, not a deconstructed/reduced set of assessments
 - Philosophers as important members of the IA team (refer to Raymond et al.'s (2010) paper, "Integrating Local and Scientific Knowledge for Environmental Management" and Micheal Polanyi's (1958) "Personal Knowledge: Towards a Post-Critical Philosophy."

Integrating IA & ILK (3/3)

- Policy measures for allowing independence of IA practice with proponents of interventions (since: consultants hired by project proponents)
- Overcoming the "veto":
 - Contextual, dependent on various spatial and temporal contexts/scales
 - Requires conflict resolution to alternative interventions to outright termination of project

References (partial)

- Hanna, P., F. Vanclay, E.J. Langdon, and J. Arts (2014). Improving the effectiveness of impact assessment pertaining to indigenous peoples in the Brazilian licensing procedure. Environmental Impact Assessment Review 46: 58-67.
- Hiwasaki, L., E. Luna, Syamsidik, R. Shaw (2014). Process for integrating local and indigenous knowledge with science for hydrometeorological disaster risk reduction and climate change adaptation in coastal and small island communities. International Journal of Disaster Risk Reduction 10: 15-27.
- Liedloff, A.C., E.L. Woodward, G.A. Harrington, and S. Jackson (2013). Integrating indigenous ecological and scientific hydro-geological knowledge using a Bayesian Network in the context of water resource development. Journal of Hydrology 499: 177–187.
- Mercer, J., D. Dominey-Howes, I. Kelman, K. Lloyd (2007). The potential for combining indigenous and western knowledge in reducing vulnerability to environmental hazards in small island developing states. Environmental Hazards 7: 245–256
- Nygaard, V. (2016). Do indigenous interests have a say in planning of new mining projects? Experiences from Finnmark, Norway. The Extractive Industries and Society 3: 17–24.
- Pert, P.L., E. J. Ens, J. Locke, P. A. Clarke, J. M. Packer, G. Turpin (2015). An online spatial database of Australian Indigenous Biocultural Knowledge for contemporary natural and cultural resource management. Science of the Total Environment 534: 110–121.
- Polanyi, M. (1958). Personal Knowledge: Towards a Post-critical Philosophy. Routledge and Kegan Paul, London, UK.
- Raymond, C.M., I. Fazey, M. S. Reed, L. C. Stringer, G.M. Robinson, A.C. Evely (2010). Integrating local and scientific knowledge for environmental management. Journal of Environmental Management 91: 1766-1777.
- Vanclay, F. (2002). Conceptualising social impacts. Environmental Impact Assessment Review 22: 183–211.