

How to make the economics of ecosystem services credible and more useful?

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How to make the economics of ecosystem services credible and more useful?

- Defra review of valuation in developing countries.
- How applicable are economic methods used to capture the value of ecosystem services to Asia?
- How might data on the value of ecosystem services best be incorporated into policy / decision making in Asia?
- What are the data / knowledge gaps?
- What are human capacity building needs within Asia to undertake economic analysis?
- Next steps!



An Evaluation of Economic and Noneconomic Techniques for Assessing the Importance of Biodiversity and associated Ecosystem Services to People in Developing Countries.

Christie et al (2012 forth coming) Ecological economics







Methodological issues

- Low levels of literacy, education and language
 - Creates barriers to valuing complex environmental goods
 - Makes it difficult to utilise traditional survey techniques such as questionnaires and interviews.
 - More deliberative and participatory approaches to data collection may overcome these issues.

Informal or subsistence economies

- People may have little or no experience of dealing with money.
- People find it difficult to place a monetary value on complex and unfamiliar environmental goods / services.
- Valuation methods have been developed in developed countries
 - Are the current best-practice guidelines appropriate for applications in developing countries?



Practical issues

- Lack of local research capacity to design, administer and analyse research projects
 - Involvement of local people is considered essential within the research process to ensure that local nuances / values are accounted for.
- Sometimes easier to administer valuation studies in developing countries
 - Response rates are typically higher
 - Respondents are receptive to listening and considering questions posed
 - Interviewers are relatively inexpensive (allowing larger sample sizes).



Policy issues

- Lack of local research capacity
 - Lack of awareness of valuation methods and of the importance of biodiversity to people.

Lack of empirical valuation studies in developing countries

- Little evidence to illustrate the importance of biodiversity to people.
- Makes future benefits transfer difficult.

Existing research is often extractive

- Often little engagement with local communities, researchers or decision makers.
- Research therefore has very little impact on the welfare of local people.



Conclusions

- The way people in developing countries think about the natural environment is different to those in developed countries.
 - They have much closer ties to their natural environment.
 - Their knowledge is often implicit and / or experiential knowledge
 - Low levels of literacy and education mean that most people will have little or no scientific understanding of their natural environment.
 - The above means that people from developing countries may have difficulty in expressing their value for natural resources.
- Given the above, standard approaches to valuation are unlikely to effectively reveal the preferences of people in developing countries.
- Valuation may be more effective if:
 - Local researchers are used throughout the research process
 - Deliberative, participative and action research approaches are incorporated into the valuation methods.
 Sefydliad y Gwyddorau Biolegol, Amgylcheddol a Gwledig

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Recommendations

- Further research is required:
 - To develop best-practice guidelines for valuation research in a developing country context.
 - To explore ways in which deliberative, participatory and action research approaches might best be incorporated into economic valuation.
 - To build local research capacity to allow local researchers to be utilised at all stages in the design, administration and analysis of valuation studies.



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