Assessments of Ecosystem Services in Ethiopia Challenges and Opportunities

Bedilu Amare Reta

Environmental Specialist and Compliance Adviser

beamreta@gmail.com

Existing policies Vs Ecosystem Services (ES)

Ecosystem Services (ES) are fundamental to human life.

In Ethiopia, **ES are essential for the provision of livelihoods**, **social, economic and environmental needs**.

Over the **last two decades**, the Ethiopian government has put in place **a number of policies**, **strategies and laws that are designed to support sustainable development**.

- Ecosystem services is not adequately taken in to account !!!
- Required support and efforts to consider ES in the existing and upcoming development planning and decision making process....

How, where and when ???????

ENVIRONMENTAL POLICY OF ETHIOPIA

- I. THE RESOURCE BASE AND THE NEED FOR A POLICY
- 1.1 The Natural Resource Base and the Rural Environment



Challenges - Assessments of ESS

- Lack of awareness and Knowledge on ESS approach
- Limited knowledge on the implementation of ESS
- Lack of relevant data
- Lack of capacity
- Lack of adequate research
- Lack of coordination





- No clear understanding on similarity and differences with the existing Environmental assessment practices, Like EIA
- > Need to define a clear **steps** and key **actors**
- No clear procedural guideline to implement, including consultation with SHs SOwhat will be the possible way to find the solution????

Two Options/ways to start implementation of ES and to achieve the target

Assumption !!! Route for the implementation of ESS approach in the development planning



Start with consideration of the existing policy

Possible Solutions and Opportunities:

- ESS is a key for ensuring the benefits of the community !!!...Agreed
- ESS is an advantage from Ethiopia perspective!!!!....agreed

This....

 Required to Plan ES accordingly to fit in to the current policies and practices

Opportunities of existing practiceTo Start ESS :-

 Use simple methods, i.e., easily manageable, understandable, required limited resources, Etc.
e.g. expert valuation matrix.

Expert valuation Matrix

No.	ιυις	sum Provisioning Services	Food-Crop	Food-Fish	FoodLivestock	Fresh water	Fuel wood	Fodder, Grazing for livestock	sum Regulating Services	Global Climate Regulation	Purification	Regulation	Erosion Regulation	Waste Regulation	sum Cultural Services	Recreation and Tourism	Cultural Heritage and
ŧ.	Intensively Cultivated Smallholder Farm	14	5	0	3	0	2	4	8	2	0	3	1	4	0	0	0
2	Intensively Cultivated Mechanized Farm	13	5	0	3	0	2	3	7	2	0	3	1	1		1	0
3	Forest	17	3	0	2	3	5	4	25	5	5	5	5	5	10	5	5
4	Plantation Forest	14	2	0	2	2	5	3	20	5	5	4	3	3	5	14	
5	Grass land	13	0	0	5	2	1	5	23	3	5	5	5	5	4	1	2
6	Lake	11	0	5	1	5	0	•	21	4	4	4	4	5	9	5	4
7	Marshland	15	0	2	3	4	2	4	23	3	5	5	3	5	4	1	2
8	Shrubland	11		0	2	2	3	3	16	4	3	3	3	3	4	2	2
9	Urban/Settlement	7	0	0	2	3	1	.1	4	1	1	T	1	0	5	3	2
10	Woodland	12		0	2	2	4	3	7	4	3	4	3	3	5	3	2
Mean Value		13	2	1	3	2	3	3	16	3	3	4	3	3	5	3	2

Possible Solutions and Opportunities..Contd.

 Develop maps and present for decision makers to use it as a tool in their planning process

When need arise, use more **advanced methods** for ES assessment

 Initiate to integrate this output into the upcoming and existing development projects planning

Conduct additional

research to move forward......

 Design properly to link with the EIA process...as a pilot study.....





SUGGESTION TO LINK ES WITHIN EIA PROCESS



Bedilu Amare Reta

Environmental Specialist and Compliance adviser

Email-beamreta@gmail.com Tel. +251924953275

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