Monitoring in PES

Questions

Why monitor

What is monitored

How to monitor

When time-scale

Where spatial scale

Who monitors

Cost of monitoring

What & Why

- Monitor land use and mgt practices
 - to assess if promised changes are being made and sustained
 - Basis of payments
- Monitor ES outcomes
 - to identify/confirm the impact of different landuse practices on ES e.g. grazing v/s no grazing -> infiltration and erosion
 - Basis for payment
- Livelihood of providers and receivers
 - Assess incremental impacts
- Other explanatory factors

How

- Adoption of the land mgt practices and landuses u/s
- Basic measuring of biophysical variables
- Modeling biophysical relations (e.g. doseresponse approach) for basic ecological rationale
- Cost-benefit analysis for opportunity costs at u/s (supply) and d/s (demand)
- Income/livelihood monitoring

When & where: scale

- Earlier monitoring elsewhere for lessons
- Time scale
 - periodicity
 - sediment/rainfall daily
 - Income yearly
 - Duration
 - Multi-year, multi-decade
 - Spatial scale areas impacting ES provision directly, indirectly.

Who monitors

- Intermediary, stakeholders
- Public monitoring
- Who collects, assesses, shares data

Who pays

- Demand side
- Supply side
- Intermediaries
- Facilitators
- public investment in monitoring systems and data