



Natural Resources, Environment and Sustainable Growth –

C. Entering more into the details

CERNA - MinesParisTech
Timothée OLLIVIER

July 2009



Some Excel sheets

- New World Bank Excel Sheet
- Cost of poor water supply and sanitation
- GS World Bank sheets

Sectoral issues

Agriculture

- Soil degradation: pH depletion? Wind erosion? Salinity? ???
- Land use changes?
- Information on production costs?
- what are the main constraints to increase productivity?
- How to maximize the spillovers from large scale agricultural upcoming projects?

Fisheries

- What priorities in terms of data collection? How to reduce the effort in shrimp fishery? How to improve the transparency in the procedures for issuing licences and quotas and increase competition?
- Is the current exploitation regime sustainable?
- Should possible losses in capital (ie. production beyond renewable harvests) be taken in account for GNS calculation?
- What are current priority objectives (rent, production, employment, processing...)?
- Is there scope for increasing rent generation-and other benefits-from the sector? Is on-shore processing of shrimp generating more value added?
- What are the associated rent management issues?

- How to better assess forest value according to species composition?
- How to improve the productivity of the forest capital?
- How to assess forest degradation in terms of quality?
- How to adjust fees according to location / value of the resource?
- Is a ban on 1st class exports an effective policy?
- Does / will investment in infrastructure help generate forest revenues?
- Sustainable forest management plans?

- What taxing regime?
- The country is becoming a “rentier” state => how to get prepared not to fall into the ‘resource curse’ syndrome?
- Pollution from mining activities?

- **On pollution management**

Pollution	Possible technical solution
Indoor air pollution	<ul style="list-style-type: none">- extension of access to electricity- improved cooking stoves- subsidized cleaner energies- increase of ventilation in households
Water pollution	<ul style="list-style-type: none">- improve sanitation and water supply- program to sensitive people to wash their hands- water treatment / filters- extend existing waste collection systems
Outdoor air pollution	<ul style="list-style-type: none">- limitation on vehicles emissions- lead-free gasoline / catalytic converters

=> What are the most cost-effective policies?