Role of SEA for Transport

Transport Learning Week - 2006
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Institutions and Governance Team
Environment Department

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INTRODUCTION
Why are we here?

- Strengthen human resources capabilities
- Make SEA more effective
- Enhance sustainability of Bank’s portfolio
Expected Benefits

- Understand the relationship between SEA and policies, plans and programs
- Analyze SEA key issues and concepts
- Provide tools to facilitate work on SEA
- Discuss good practice examples drawing on from Bank’s portfolio
What will you NOT get from this training?
TYPES OF SEA
What is an SEA?

There are several definitions

*Strategic Environmental Assessment* (SEA) is

- an analytical and *participatory* approach...
- for mainstreaming and upstreaming environmental and social considerations in policies, plans and programs...
- to *influence* decision-making and implementation processes at the strategic level.
... SEA is a continuum and flexible approach centred on impact analysis, at one extreme, or on institutions and governance systems, at the other extreme...
Impact-Centered SEA

- Well defined linear process
- Technically oriented and rational
- Rooted in EIA methods and experience
- Impacts can be reasonably predicted
- Focuses on predicting and mitigating environmental impacts

Institutions-centered SEA

- Multi-stage, non-linear, iterative process
- Heavily influenced by political bargaining
- Rooted in policy and institutional analysis
- Impacts are often uncertain
- Focuses on institutions and governance to manage environmental impacts
Impact centered SEA - stages

- Screening
- Scoping
- Baseline
- Assessment
- Reporting
- Informing decision making
- Monitoring
Institutions centered SEA – analytical stages

- Identification of effects and opportunities
  - Baseline
  - Stakeholder analysis
  - Identification of priority environmental and social linkages and issues
  - Scenario building for policy dialogue

- Assessment of institutional capacity to manage environmental effects and opportunities

- Capacity building and governance strengthening for environmental sustainability
Institutions centered SEA – Process requirements

- Intersectoral coordination
  - Ministry of Environment is usually weak
  - Involve Ministries of Planning and Finance

- Transparency and public discussion of policy

- Vulnerable stakeholders must have a chance to be heard

- Decision makers must be accountable

- “Continuous improvement” mechanisms
... in summary..

The higher one moves up the decision making hierarchy from projects to more strategic level of programs, plans and policies, the focus of environmental assessment moves from “impacts analysis and technical solutions” to “institutions and governance for effective environmental management.”
SEA IN THE BANK
When an SEA may be needed?

- Development policy loans and credits (OP/BP 8.60)

- Examples
  - Santiago Urban Transport DPL (Chile)
  - Second Programmatic Environmental Development Policy Loan (Mexico)
  - Bosnia and Herzegovina SEA
When an SEA may be needed?

- Investment lending
  - Consideration of institutions and governance needed for managing environmental effects of long term, complex, social change
  - Sectoral and regional impacts (OP 4.01)

- Examples
  - Water and sanitation sector project (Colombia)
  - Gujarat State Highway Project (India)
When an SEA may be needed?

- **Analytical and advisory activities**
  - Honduras Tourism Sector
  - Uganda and Ghana: Urban Transport Services in Sub-Saharan Africa

- **Capacity building and training**
  - Water Resources Management in the Palar Basin, India
  - China Greater Western Development Strategy
TOOLKIT
Objective

To support TTLs and environmental specialists to prepare and implement SEAs

✓ When is an SEA needed?
✓ What type of SEA is the most adequate?
✓ What are the key issues in formulating and conducting effective SEAs?
✓ What are the good practices or examples to draw on to design and implement SEAs?
Background

- The toolkit addresses the request of TTLs for guidance in best practice for mainstreaming environmental sustainability considerations in Bank’s projects.
- The toolkit is available in the intranet and being validated until the end of April.
The Toolkit

Guides the user on SEA concepts and methods and provides concrete SEA examples.

Compiles SEA relevant information on:
- 21 sectors
- 20 handbooks, manuals and guidelines
- 100 SEA reports, summaries and TORs
- More than 25 links to relevant SEA websites

Is an SEA library at your fingertips
How to Access the Toolkit

Type “sea” in the URL address.

Click on the left menu, SEA Toolkit.

Click on the links on each page for more information and/or a document.

For more information on SEA and SEA Toolkit, please contact:
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Michiko Shima (ext. 85395; mshima@worldbank.org)
| Focus       | Impact-Centered                                                                                                                                                                                                 | Institutions-Centered                                                                                                                                                                                                 | TORs                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| **Policy** | Slovenia: A National SEA on Transport Policy                                                                                                                                                                      Ethiopia: Environmental Impact Analysis of the Road Sector                                                                                           South Africa: SEA on Port Planning, Operations, and Management                             |
| **Plan**   | Finland: Transport SEA for Four Nordic Countries                                                                                                                                                                  UK: South West Multi-Modal Study                                                                                                                           UK: SEA for Roads Case studies                                                                                           Yemen: Rural Access Programme Sectoral Environmental Assessment                        |
|            | UK: South West Multi-Modal Study                                                                                                                                                                                UK: SEA for Roads Case studies                                                                                                                           Yemen: Rural Access Programme Sectoral Environmental Assessment                        |
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|            | Yemen: Rural Access Programme Sectoral Environmental Assessment                                                                                                                                                   Yemen: Rural Access Programme Sectoral Environmental Assessment                        |
| **Program**| India: Gujarat State Highway Project                                                                                                                                                                             Yemen: Rural Access Programme Sectoral Environmental Assessment                        | Yemen: Rural Access Programme Sectoral Environmental Assessment                        |
|            | Yemen: Rural Access Programme Sectoral Environmental Assessment                                                                                                                                                  Netherlands: Rotterdam Mainport Development Project                                                                                     | Netherlands: Rotterdam Mainport Development Project                                                                                                 |
|            | Netherlands: Rotterdam Mainport Development Project                                                                                                                                                               Netherlands: Rotterdam Mainport Development Project                                                                                     |
Analytical Methods
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Public Participation Methods
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Thanks for your attention