Environmental Policy in Indonesia: The need for Data and Information on Natural Resources and Environment

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How Environmental Management Policy Fit With Indonesia’s Development Planning

National Development → pro-poor, pro-growth, pro-jobs and pro-environment

- Emphasizes on RE & internalizing the externalities
- Promotes various instruments:
  - EIA/SEA
  - Environmental Standards
  - Economic instruments, etc.
- Reliable Data and Environmental Information System,
- Stronger commitment and enforcement

Source: modified from Fauzi, A, 2010
GREEN ECONOMY - 3 component

**Sustainable use of natural resources**, internalizing cost of natural resource depletion/environmental degradation, **efforts on alleviate the poverty, creating decent jobs, and ensuring sustainable economic growth**

**Expected behaviours for GREEN ECONOMY**

- **LOW CARBON AND LESS HAZARDOUS WASTE**
- **SUSTAINABLE USE OF BIOLOGICAL DIVERSITY**
- **MAINTAIN NATURAL CARRYING CAPACITY**

**Source:** MoE, 2012 and Bappenas, 2012
PLANNING OF ENVIRONMENTAL PROTECTION AND MANAGEMENT

DATA & INFORMATION ON NATURAL RESOURCES AND ENVIRONMENT. incld:
a. STOCKS AND POTENTIAL;
b. UTILIZATION;
c. RIGHT/TENURE;
d. MANAGEMENT KNOWLEDGE;
e. DEPLETION AND DEGRADATION; AND;
f. CONFLICT AND ITS IMPACT.

CONSIDER:
a. CHARACTERISTICS OF LANDSCAPES;
b. WATERSHED;
c. CLIMATE;
d. FLORA AND FAUNA;
e. SOCIO-CULTURE;
f. ECONOMY;
g. PUBLIC INSTITUTIONAL;
h. NATURAL RESOURCES AND ENVIRONMENTAL INVENTORY.

Source: Act no. 32/2009
Existing SEEA Related Policy Initiatives.....

• **Ministry of Environment**
  - Development of Economic Valuation on NRE, including guideline
  - Development of Ecosystem Assessment, Environmental Quality Index
  - Development of Green GDP/GDRP
  - Development of Information Systems on Natural Resources and Environment
  - Development of GHG Inventory

• **Ministry of Finance**
  – Establishment of special unit on Natural Resources Related Assets

• **National Development Planning Agency**
  - Strategic Environmental Assessment for National/Regional Development Planning
  - National Action Plan on GHG Emission Reduction

• **Ministry of Home Affairs**
  - Regional Natural Resources Accounting, SEA, etc

• **Geospatial Information Agency**
  - Development of Geospatial Information System on Natural Resources and Environmental

• **BPS- Statistics Indonesia**
  - Natural Resources Accounting System, SEEA, etc

• **Others**
EXERCISE 1

Ecosystem Assessments

Concept: a dynamic interaction between ecosystem and people influencing the change of ecosystem services.

OBJECTIVES

• To identify the ecosystem services based on eco-region unit;

• To analyze the most important ecosystem services within eco-region unit;

• To analyze direct and non-direct drivers of ecosystem changes;

• To develop protection and management plan for the environment.

Source: Ministry of Environment, 2012
EXERCISE 2

Green GDRP of Ketapang District, West Kalimantan Province, 2010: by Internalizing Cost of Environmental Degradation and Natural Resources Depletion

Source: BPS Ketapang, 2012
## Ratio GDP, NDP and NDP1, Indonesia 2006-2010

### (in Billion IDR)

<table>
<thead>
<tr>
<th>Description</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
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<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
<td>(6)</td>
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<tr>
<td>1. GDP</td>
<td>3.339.217</td>
<td>3.950.893</td>
<td>4.948.688</td>
<td>5.603.871</td>
<td>6.422.918</td>
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<tr>
<td>4. NDP x 100 GDP</td>
<td>95,00</td>
<td>95,00</td>
<td>95,00</td>
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</tr>
<tr>
<td>5. NDP1 x 100 GDP</td>
<td>89,88</td>
<td>90,19</td>
<td>89,84</td>
<td>90,95</td>
<td>91,14</td>
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<tr>
<td>6. NDP1 x 100 NDP</td>
<td>94,61</td>
<td>94,94</td>
<td>94,57</td>
<td>95,73</td>
<td>95,93</td>
</tr>
</tbody>
</table>

Source: BPS, 2011
Lesson Learned and Suggestions

• Economy development should take into account natural resources and environmental sustainability;
• Coordination and Complementarity among sectors/institutions need to be enhanced;
• Integration and compatibility of methodology (data collection and analysis) need to be harmonized;
• Capacity and Capability on SEEA related human resources need to be improved;
• Networking and data exchange among NSO and sectors need to be strengthened.
Remarks

For Country, like Indonesia, protection and management of natural resources and environment is crucially important in order to ensure sustainability of its national development.

Believing on “we can not achieve what we can not measure”, Indonesia is of the view that reliable data and information system is a must. Yet, Indonesia is still facing challenges in having a reliable baseline data and information on natural resources and environment and moreover its link to the economic activities. Thus, Indonesia is call upon for greater cooperation and support from various countries and organizations.

Thank You