



Indonesia WAVES Program

Stories from the Field: Institutional and Data Challenges to Moving Forward

Deputy Minister for Natural Resources and Environment

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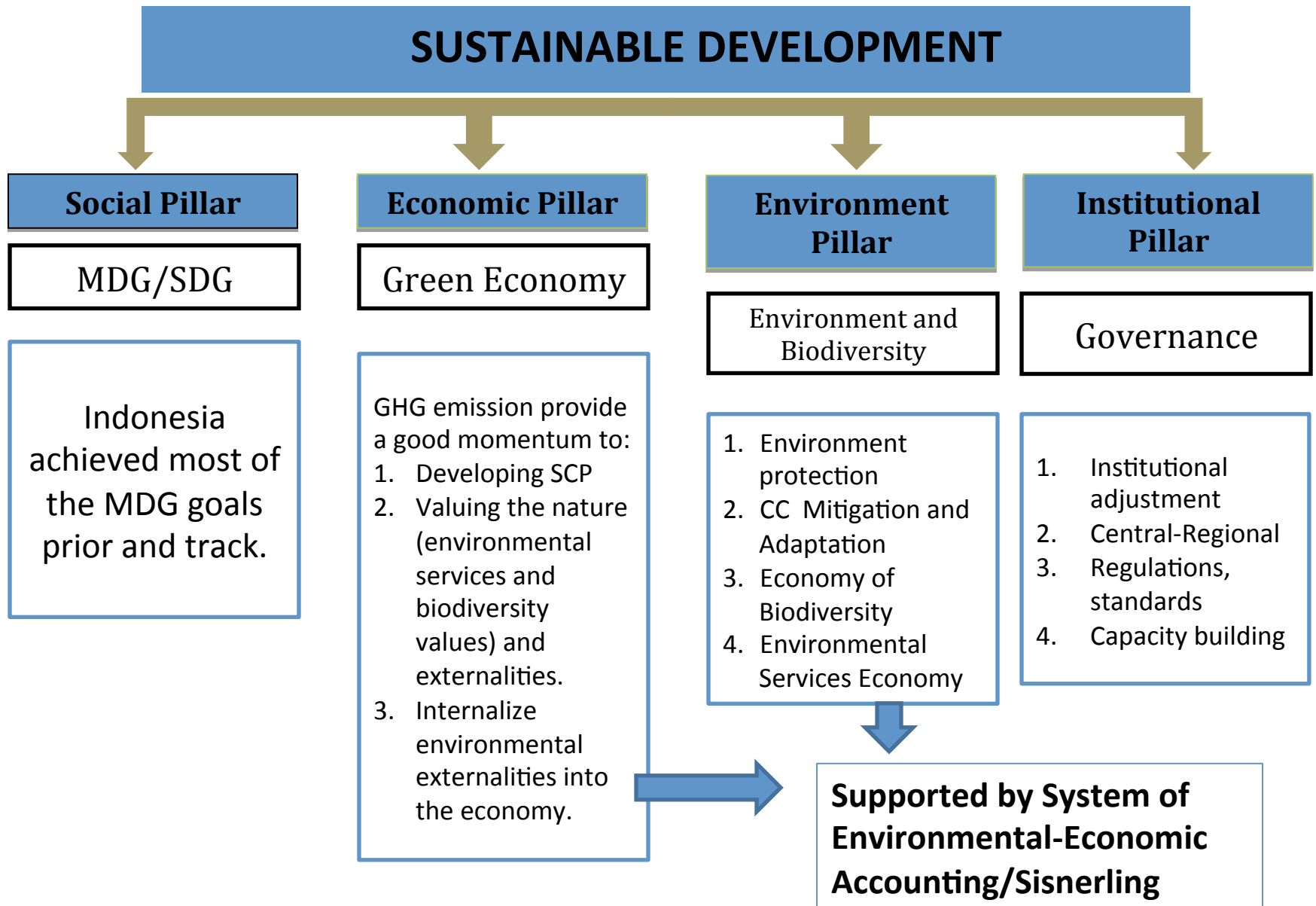
OUTLINE

- I. WHY NATURAL RESOURCE VALUATION AND ACCOUNTING IS IMPORTANT
- II. WAVES FOR INDONESIA

Background/Indonesia's Policy Context

1. Mainstreaming Sustainable Development into National Medium Term Development Plan (RPJMN) 2015-2019:
 - a. Data and indicator to measure “green “ growth is important
 - b. Data and indicator to measure reduced resources use for development is important
 - c. Data and indicator to measure pollution and its impact value is important
2. Method and measurement to value Natural Resource and Environment at any time is important
3. System of Environmental-Economic Accounting or Sistem Neraca Terintegrasi Lingkungan dan Ekonomi (Sisnerling, BPS) was initiated since 1997 - limited coverage → need to be expand and formed for policy decision making.

THE MEDIUM AND LONG TERM SUSTAINABLE PATH



DEVELOPMENT STRATEGY

(Medium Term Development Plan 2015-2019)

DEVELOPMENT NORM

- 1) Development for human beings and community;
- 2) Effort to increase welfare, prosperity, productivity should not lead to create a wider gap;
- 3) Main focus is addressed to increase the productivity of middle-lower society, without preventing, hampering, lowering, and reducing the flexibility of major actors to continue to be an agent of growth;
- 4) Development activity should not harm and decrease the environmental support and the balance of ecosystem.

3 DEVELOPMENT DIMENSION

HUMAN DEVELOPMENT DIMENSION

Education

Health

Housing

Mental / Character

MAIN SECTOR DEVELOPMENT DIMENSION

Food Sovereignty

Energy and Power
Sovereignty

Maritime and Marine

Tourism and Industry

TERRITORIAL AND EQUITY DIMENSION

Among Group of Income

Among region: (1) Village,
(2) Borderland, (3)
Outside Java, (4) East
Region

NECESSARY CONDITION

Law Certainty and
Enforcement

Security and Peaceful

Politics and Democracy

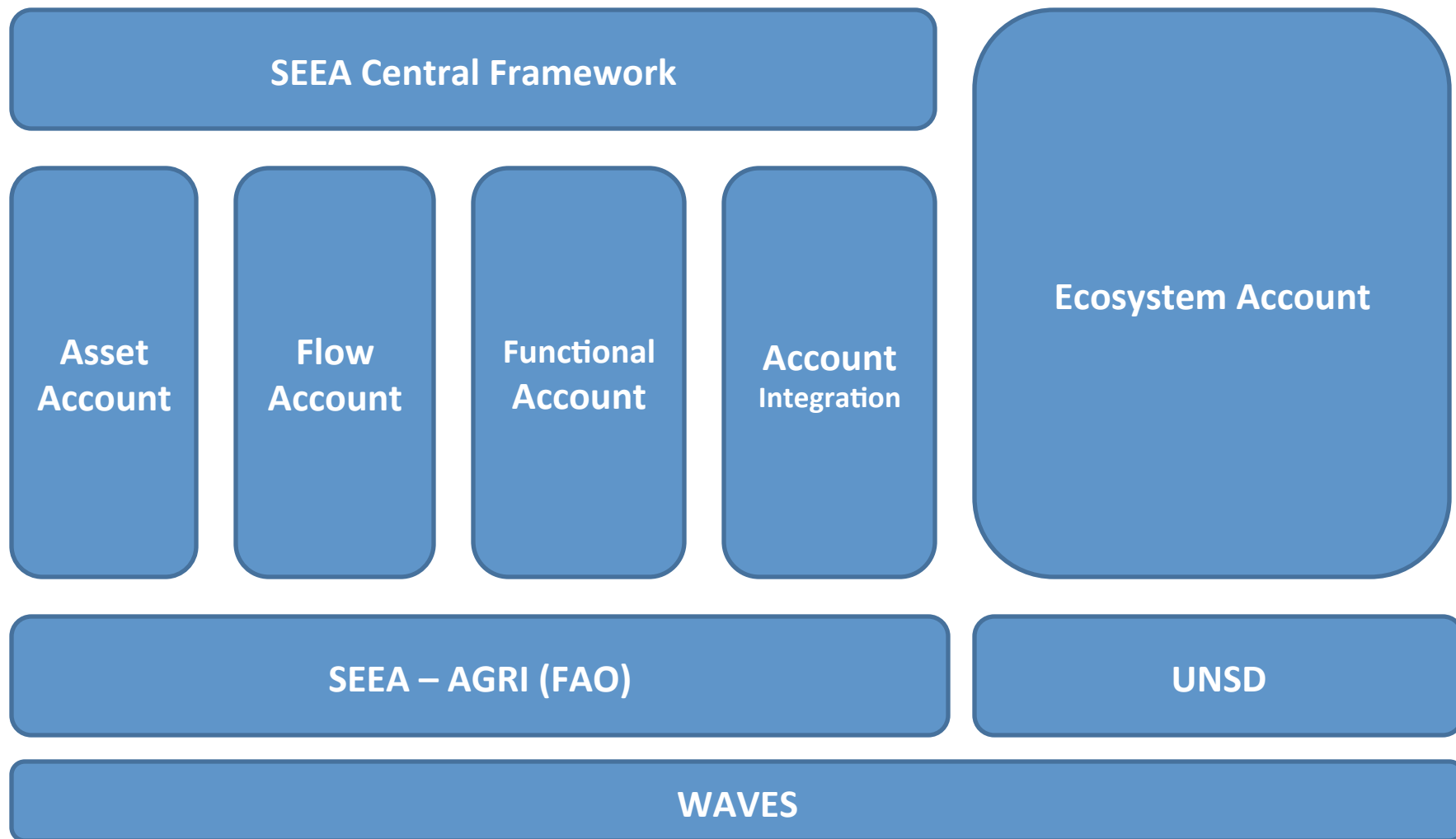
Governance and
Bureaucratic Reform

QUICK WINS AND OTHER CONTINUED PROGRAMS

Main reference for Indonesia WAVES Program development

- Medium term Development Plan/RPJMN 2015-2019 Main Sector Development Dimension
 - Food security
 - Water security
 - Energy security
 - Maritime and Marine
 - Industry and Tourism
- GoI commitment to strengthen 'ENR Statistics and SNA in 2015-2019 in RPJMN'
 - SNA 2008: for annual GDP and growth reporting
 - SEEA 2012:
 - Natural Capital Accounting (methodology standardized)
 - Ecosystem Accounting (methodology in experimental stage)

National Plan Framework for SEEA Implementation



Indonesia WAVES Program

- WAVES invited Indonesia to join GPP (Sept 2013)
- GoI submitted statement of interests (Oct 2013)
- WB confirmed Indonesia's inclusion in WAVES (dec 2013)
- Development of Draft Concept Note (Dec 2013 – March 2015)
 - Discussions with 15 GoI agencies
 - Discussions with Technical Committee
 - Discussions with a selected K/L
 - Socialization workshop to introduce WAVES and potential scope of program
 - Drafting Program Concept Note
- **Feasibility assessment 27 April – 26 June 2015**
 - **Review of strength and gaps in existing data system, data, institutions, rules of the game, relevance, priorities, opportunities**
- Program scope finalization/decision by SC (June 2015)
- Program implementation: July 2015 – June 2018

Proposed scope of WAVES Program

- Strengthening BPS/Statistics Indonesia's SISNERLING/SEEA
 - Data system improvement
 - Upgrading to 2012 Standard
 - Economic Valuation – (MoFin as primary users)
 - Macrosustainability indicators: Adjusted Net Saving
- Development of land account
- Development of pilot water account

Implementation arrangement

- **National program host: BAPPENAS**
- **Steering Committee:**
 - Echelon I from Min. of Planning (BAPPENAS), Statistics Indonesia (BPS), Min. of Environment and Forestry, Min of Finance, and possibly includes Min. of Energy and Mineral Resources, Geospatial Information Agency, Min. of Public Works, Ministry of Agrarian Affairs and Spatial Planning
- **Technical Committee :**
 - Senior Technical Staff from the same K/L
- **Working groups (by subject matter)**
 - GoI technical experts and authorities
- **Country Implementation Team** (Leader + technical experts/consultants)
 - To facilitate/support technical works and institutional coordination processes
- **WAVES Forum**
 - Periodical forum of GoI institutions (+ stakeholders representative)

What we learned from the feasibility assessments so far.....

- **Current state of data governance system**
 - Existing legal bases: Law on Statistics, Law on Geo-spatial Information, Law on Openness of Public Information
 - Recent/ongoing initiatives: One Map Program, One Data Program, StatCap for SNA system improvement, Regulation preparations for NR data and use of economic instruments for E&NR management
 - President's Office is leading system development for data integration under SNA and SEEA standards, including data custodian and data flow mechanism
- **Current state of SEEA practice and other programs**
 - SISNERLING (Indonesian SEEA using 1993 standard) exists since 1997 containing 11 commodities (timber, energy, minerals)
 - Ministry of Environment annually produces “State of the Environment Report” and “Environment Quality Index”
- **Spatial data and mapping activities:** Rich and credible data for land account development (possibly water)
 - Suggested priority focus for land accounts: land cover, land use

Progress and Issues on Data Governance System

- **Progress:**

- Blue Print of One-Data for Sustainable Development completed
- Framework for the revitalization of data and information centers at ministries and agencies to enhance development data governance (President Office, BPS, Bappenas)
- Framework for Natural Capital Account (NCA) data integration (Ministry of Finance, DG of State Assets Management)
- Framework on Use of Economic Instrument for ENR Management
- Unification of mapping standards initiatives through the role of BIG/Geospatial Information Agency

- **Issues:**

- Needs better integration/coordination across institutions, especially on **data flow mechanism** for sector data, and **data custodian system** (for various steps from collection, processing, quality assurance, and provisioning; as well as thematic groups)
- Completion of maps at appropriate scale (1:50.000) for a nation-wide coverage
- Separation of SNA (top priority) and SEEA (not a priority) data system and processing
- Institutional and personnel capacities
- Pending uptake by the new government on One Data Program

Opportunities and Challenges on Data Management

- **Opportunities:**

- Inside BPS/Statistics Indonesia: Strengthening integration of SNA and SEEA system → strengthen One Data Program.
- Outside BPS:
 - Finalize One Data Program/Open Data Program, and One Map Policy;
 - Make data relevant and usable for government development/policy priorities;
 - Combine forces across ministries (K/L),
 - Combine efforts across projects/donors;
 - Portal for Open Data can facilitate integration across K/L
- Institutional and personnel capacity building for improved data and uptake in policy processes
- Sustainable Development Goals (SDGs) as development priorities → NRE data is needed

- **Challenge:**

- Need continuous lead from central government

Opportunities of Integration of Spatial Data

- **Opportunities:**

- Clear potential for establishment of land accounts for land cover and land use
- Gradually integrating spatially references land-based maps and information from Spatial Plan => Land Use Land cover => Licenses => Parcel/cadaster =>
- Better coordination of inter-institutional efforts through One Map Program
- BPS has a spatial statistics unit that can be strengthened

- **Challenges:**

- Ensuring the flow of maps and spatially referenced information for regular periodical updating
- Ensuring/accelerating map standard compatibility
- Accelerating capacity building (institutions and personnel)

Result of Feasibility Assessment

- **Component 1: Strengthening SEEA and Economic Valuation + Macroeconomic Sustainability indicators**
 - Improving SEEA Data System is feasible along the side of Gol's plans to improve overall data governance system with One Data Program as national umbrella
 - Exploring the opportunity to integrate SNA and SEEA processes
 - Strengthening a dedicated SEEA unit and build capacity for SEEA inside BPS
- **Component 2: Establishment of land account**
 - Constructing the land cover and land use accounts
 - Strengthening BPS's spatial statistics unit that can allocate staff in support of this component
 - Training for constructing the land cover account be conducted in September 2015 involving BPS staff and other related agencies such as BIG, MoAg, MEnvFor, MoHA, MAASP
- **Component 3: Development of pilot water account**
 - Indicatively feasible given the hints on the availability of information related to water resources, use and pollution
 - To be specified/confirmed in September 2015, including planning for capacity building



Thank You