Role of RAN API in Mainstreaming Climate Change into National Development Planning

Tri Dewi Virgiyanti
Deputy Director For Environmental Pollution And Degradation Control
Ministry of National Development Planning (BAPPENAS)

Adaptation Climate Change Forum
Kualalumpur, 2 October 2014
Presentation Outline

• Indonesia Commitment to Address Climate Change Issue

• Role of National Action Plan on Climate Change Adaptation (RAN API) in Development Planning

• Next Steps
INDONESIA COMMITMENT TO ADDRESS CLIMATE CHANGE ISSUE
Geographic and Socio-economic Characteristics of Indonesia Place the Country in A Vulnerable Position to Climate Change Impact

- Archipelagic country with mountainous profile and long coastline
- Monsoon that affecting annual rainfall trend
- Located in equatorial line and has a tropical climate

- High population number that concentrated in urban area
- Poverty level and local culture highly affecting the community’s adaptive capacity

- Residential development pattern often move towards climate disaster-prone area
- Natural Resources dependent economy (affected by climate change, e.g. agriculture, fisheries, energy etc.)
Climate change is predicted to cause a 6.7% drop of GDP in 4 South East Asia countries in 2100 (ADB, 2013)

In 2025, around 31% of global income will be based in countries facing high or extreme risks from climate change impact; where Indonesia is amongst the high risk countries (Maplecroft, 2013).

Losses from Jakarta flooding in 2002 and 2007 reaches 1.5 trillion and 2 trillion IDR consecutively (Bappenas, 2007)

Between 1981-1990, rice production experience annual losses of around 100000 tonnes/regency. It is predicted by 2050, there will be a rice deficit that reaches 60 million tonnes (Boer, 2003)
Translating Vulnerability and Risk into Actions

7 cities and regencies in Indonesia categorised as the Top 10 highly vulnerable area to climate change; where Jakarta comes out as the top most vulnerable region (SIDA, 2009)
ROLE OF NATIONAL ACTION PLAN ON CLIMATE CHANGE ADAPTATION (RAN-API) IN DEVELOPMENT PLANNING SYSTEM
How Indonesia Move Towards National Action Plan for Climate Change Adaptation (RAN-API)

RPJMN 2010-2014

1. Bureaucracy and Governance Reform
2. Education
3. Health
4. Poverty Eradication
5. Food Security
6. Infrastructure
7. Investment Climate
8. Energy
9. Environment and Disaster Management
10. Politics, Law and Security
11. Disadvantaged, Forefront, Outer and Post-conflict Regions
12. Economic
13. Culture, Creativity an Technological Innovation
14. People Welfare

1. Sustainable Development Mainstreaming
2. Cross-sectoral Program: Climate Change

RKP 2010
RECOVERY OF NATIONAL ECONOMIC AND SUSTAINING PEOPLE WELFARE

RKP 2011
ACCELERATION OF JUST ECONOMIC GROWTH SUPPORTED BY STRENGTHENING GOVERNANCE AND LOCAL-CENTRAL SYNERGY

RKP 2012
“EXPANSION AND ACCELERATION OF JUST AND INCLUSIVE ECONOMIC GROWTH FOR THE IMPROVEMENT OF PEOPLE WELFARE”

RKP 2013
STRENGTHENING DOMESTIC ECONOMY FOR THE IMPROVEMENT AND EXPANSION OF PEOPLE WELFARE

RKP 2014
STRENGTHENING OF NATIONAL ECONOMY TO IMPROVE JUST PEOPLE WELFARE

1. PERPRES 61/2011 RAN GRK
2. PERPRES 71/2011 GHG INVENTORY
3. Adaptation Strategy

Initial Development of RAN-API
Consultation and socialization of RAN-API
RAN API Launching and Pilot Location
General Framework of RAN-API

Main Goal:
Climate Change-Adaptive Sustainable Development

Targets:
- Ecosystem Resilience
- Specific Region Resilience
- Economic Resilience
- Living System Resilience

Supporting System:
Knowledge Management, Planning and Finance/Budgeting, Capacity Development, Monitoring and Evaluation
## Sector and Sub-sector of RAN API

<table>
<thead>
<tr>
<th>Sector</th>
<th>Sub Sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economic Resilience</td>
<td>• Food Security</td>
</tr>
<tr>
<td></td>
<td>• Energy Independence</td>
</tr>
<tr>
<td>Living System Resilience</td>
<td>• Health</td>
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<td></td>
<td>• Housing</td>
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<td></td>
<td>• Infrastructure</td>
</tr>
<tr>
<td>Ecosystem Resilience</td>
<td>• Ecosystem and Biodiversity</td>
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<tr>
<td>Specific Region Resilience</td>
<td>• Urban</td>
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<tr>
<td></td>
<td>• Coastal and Small Islands</td>
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<tr>
<td>Supporting System</td>
<td>• Data and Information</td>
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<tr>
<td></td>
<td>• Capacity Building</td>
</tr>
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<td>• Research and Development</td>
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</table>
Future of CCA and RAN API in relation to National Development Planning System

Inclusion to National Development Plan Document (Non-Spatial)

Progress to date

Included in the Technocratic Draft of RPJMN 2015-2019 as part of Cross-sectoral Program
# How the Line Ministries Could Adopt RAN API in their Strategic Plan

## Living System Sector

### Health Sub-Sector

**Cluster 1. Identification and control of factors of vulnerability and risk to public health posed by climate change**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Location</th>
<th>Programs/Activities in RKP</th>
</tr>
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</table>
| Updates the risk assessment and adaptation to climate change in the health regencies / city level | 2015-2019 High-risk areas in 33 provinces | • Research and Development od Applied Clinical and Clinical Epidemiology  
• Health Information and Data Processing  
(Kemenkes, Bappenas, BIG, BMKG, KemenLH dan DNPI) |

## Housing Sub-Sector

### Cluster 2. Development and Management of Settlement

<table>
<thead>
<tr>
<th>Activity</th>
<th>Location</th>
<th>Programs/Activities in RKP</th>
</tr>
</thead>
</table>
| Adjustment settlements infrastructure in disaster-prone areas of climate change | 2015-2019 Flood and landslide prone areas | Infrastructure adjustment settlements in disaster prone areas  
(KemenPU, Kemenpera, dan KKP) |

## Infrastructure Sub-Sector

### Cluster 1. Research and Development Infrastructure Security Concept

<table>
<thead>
<tr>
<th>Activity</th>
<th>Location</th>
<th>Programs/Activities in RKP</th>
</tr>
</thead>
</table>
| Implementation of research and development on improving the resilience of adaptive infrastructure to climate change | National | Implementation of spatial planning program:  
(KemenPU dan KKP) |
Future of CCA and RAN API in relation to Local Development Planning System

To build and test the downscaling model to be further replicated to other region

- 16 out of 34 Provinces
- 8 out of 501 Cities/Regencies

Inclusion to Local Development Plan Document (Non-spatial)
RAN-API Pilot Areas
How the Local Government Could Adopt RAN API in their Strategic Plan

Scheme for CCA Integration Into Regional Mid Term Development Plan (RPJMD)

RPJMD Content

- Preliminary
  - Overview of Regional and Local Financial Conditions
- Analysis of Strategic Issues
- Vision, Mission, Objective and Strategy
- Strategy and Policy Direction
- Public Policy and Regional Development Program
- Indicative Priority Program Plan and Funding Needs
- REVISED INDICATIVE PRIORITY PROGRAM PLAN and FUNDING NEEDS

ADAPTATION STRATEGY

- Vulnerability and Risk Assessment
- CCA Strategy
- Priority Adaptation Action

Long-list of Adaptation Action/Program for each Sector
- Compatibility Analysis
- SHORT-LIST OF ADAPTATION ACTION/PROGRAM FOR EACH SECTOR
NEXT STEPS
Indonesia will Move Beyond RAN API

Partial implementation of Steps A-D of NAP Elements

ICCSR (2009), RPJMN (2010-2014)

RAN-API (2014)

National Adaptation Plan (?)

Refinement of Steps A-D of NAP Elements
Our Current Scheme

Bappenas, RAN API Secretariat, BMKG, Line Ministries, Local CC WG

RAN API Secretariat

RAN API Secretariat (JICA-MCI, GIZ, UNDP), Line Ministries, Local CC WG

RAN API Secretariat, KLH, Line Ministries, Local CC WG

RAN API Secretariat, KLH, BMKG

**A & B**

Climate Data → Hazard projections
Soc., Ec. and Env. data → Vulnerability Profile

National Vulnerability Assessment (VA) & Risk Assessment (RA)

RAN API

Local Climate Resilience Strategy

Local VA and RA

Climate Data → Hazard projections
Soc., Ec. and Env. data → Vulnerability Profile

B & C

National Review Process

National Screening

Integration #1

Compatibility analysis #1

RPJMN / RKP

Integration #2

Compatibility analysis #2

RPJMD / RKPD

Local Screening

**B & C**

National Review Process

National Activities Monitoring, Evaluation and Reporting (MER)

RAN API Pilot Implementation (APBD & Non-APBD), and coordination system piloting

National Review Process

National Adaptation MER

Vulnerability Index Data Inventory System

**D**

Local Review Process

Local Activities Monitoring, Evaluation and Reporting (MER)

Local Adaptation MER

**B & C**

COORDINATION AND STRENGTHENING OF NATIONAL AND LOCAL WORKING GROUPS (HORIZONTAL AND VERTICAL)

Socialization and Dissemination

**TIME FRAME**

June – July 2014

July – August 2014

September – December 2014

(January 2015 – onwards)

(Local consolidation)

(Pilot implementation)

July – September 2014

July – December 2014
Way to Move Forward

PILOT IMPLEMENTATION

Show the gaps and needs on

Vertical & Horizontal Coordination Scheme
Technical and Institutional Capacity
Integrated with Existing Data Information System
Approach for VA and Adaptation Options
Data Availability at National and Local Level

Utilize for

REFINEMENT OF RAN API & LONG-TERM STRATEGY
Thank You