LOW CARBON INFRASTRUCTURE INVESTMENT: Indonesian Case

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SCIENCE POLICY DIALOGUE

06-08 FEBRUARY 2017

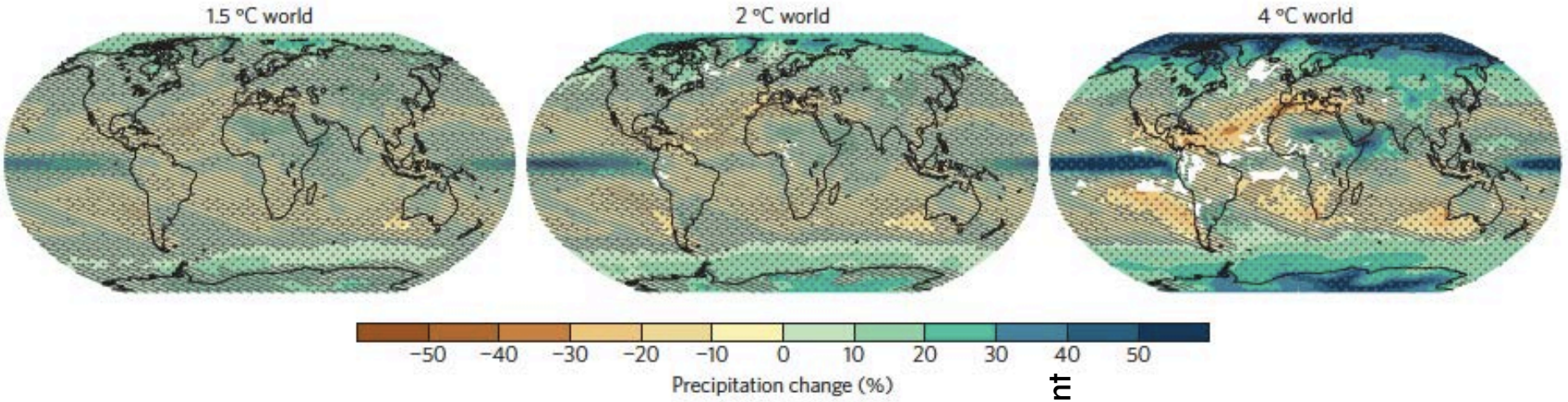
BANGKOK, THAILAND

APN ASIA-PACIFIC NETWORK FOR GLOBAL CHANGE RESEARCH

LoCARNet

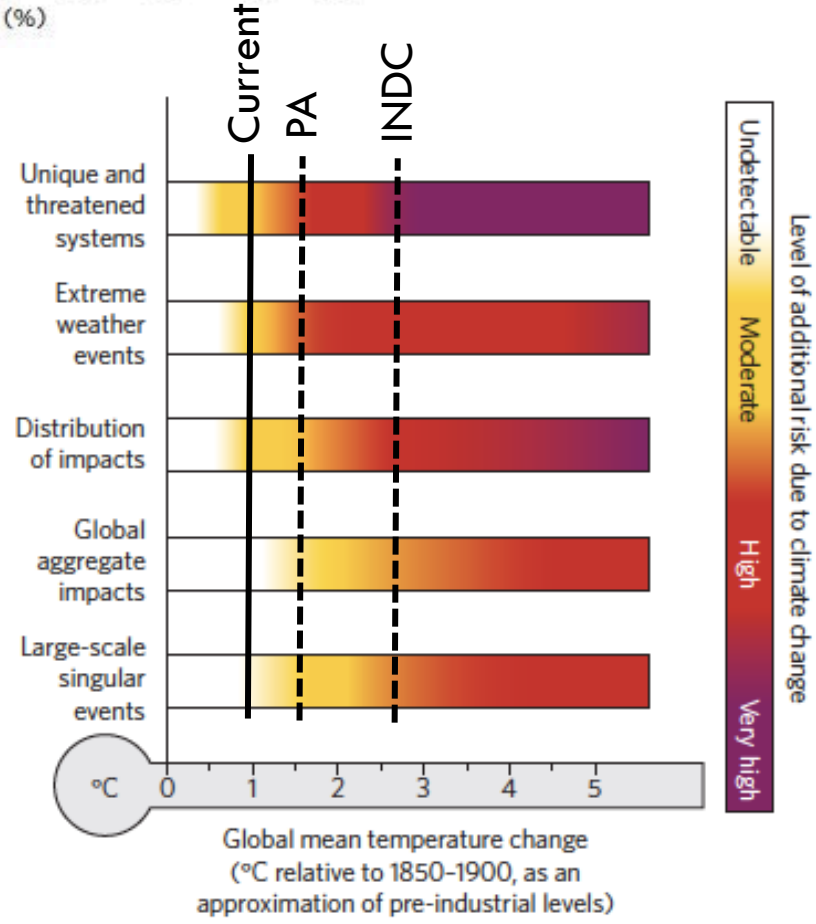
Climate Change Asia

1. consultation with stakeholders
2, Data requirements
3. Procurement
4. Set up you monitoring network
5. Maintenance schedule & funding
6. Data extraction and smooting
7, Data analysis and synthesis
8. Data to information products
9. Dissemmination and use

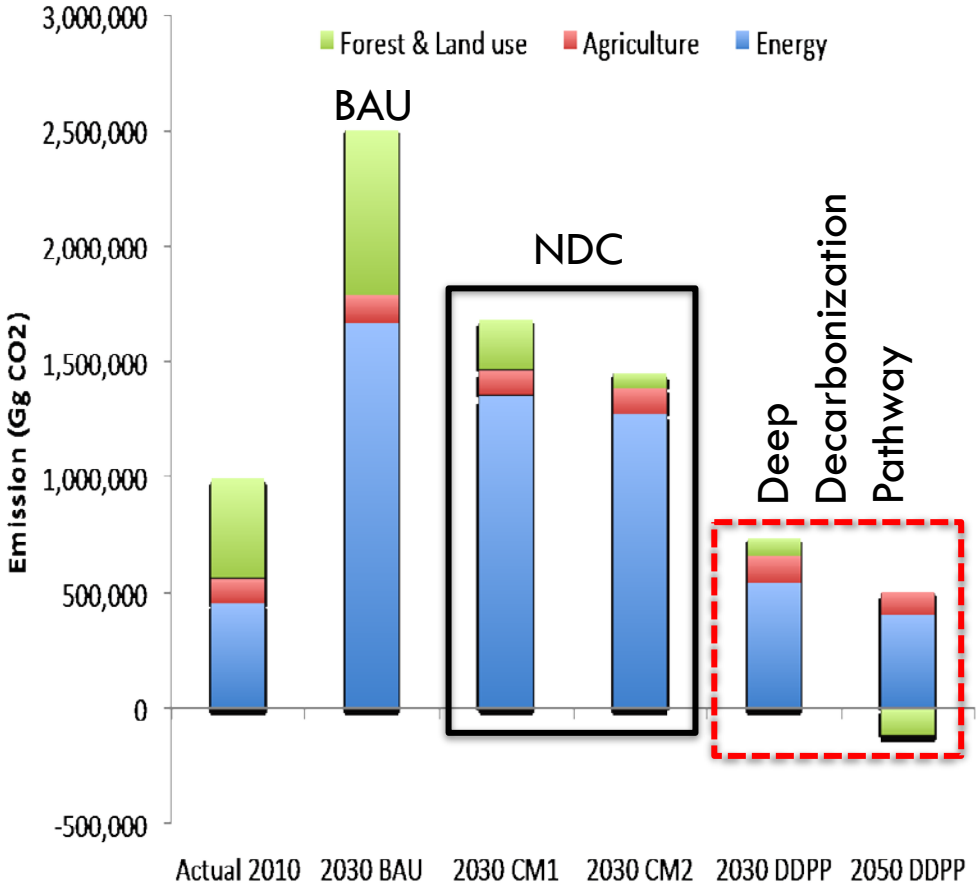


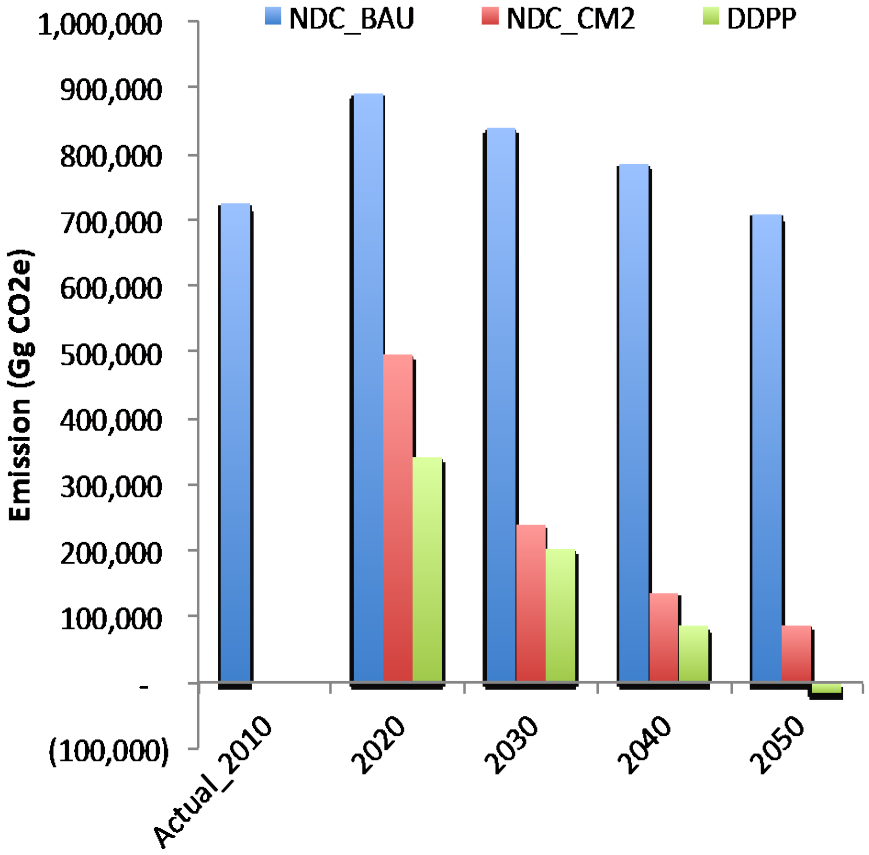
INTRODUCTION

- Paris Agreement: limit the increase of global temperature to less 2°C - safe limit that avoids dangerous climate change
- Current intention of parties under INDC may increase the global temperature to 2.7°C, much higher than the global target
- *Global stocktake*: review the contribution every 5 years and resubmit the NDC (*no-back sliding*)



Indonesia Low Carbon Emission Development Scenarios





Most of emission reduction target until 2030 will be met through Forest and land use sector

Implications

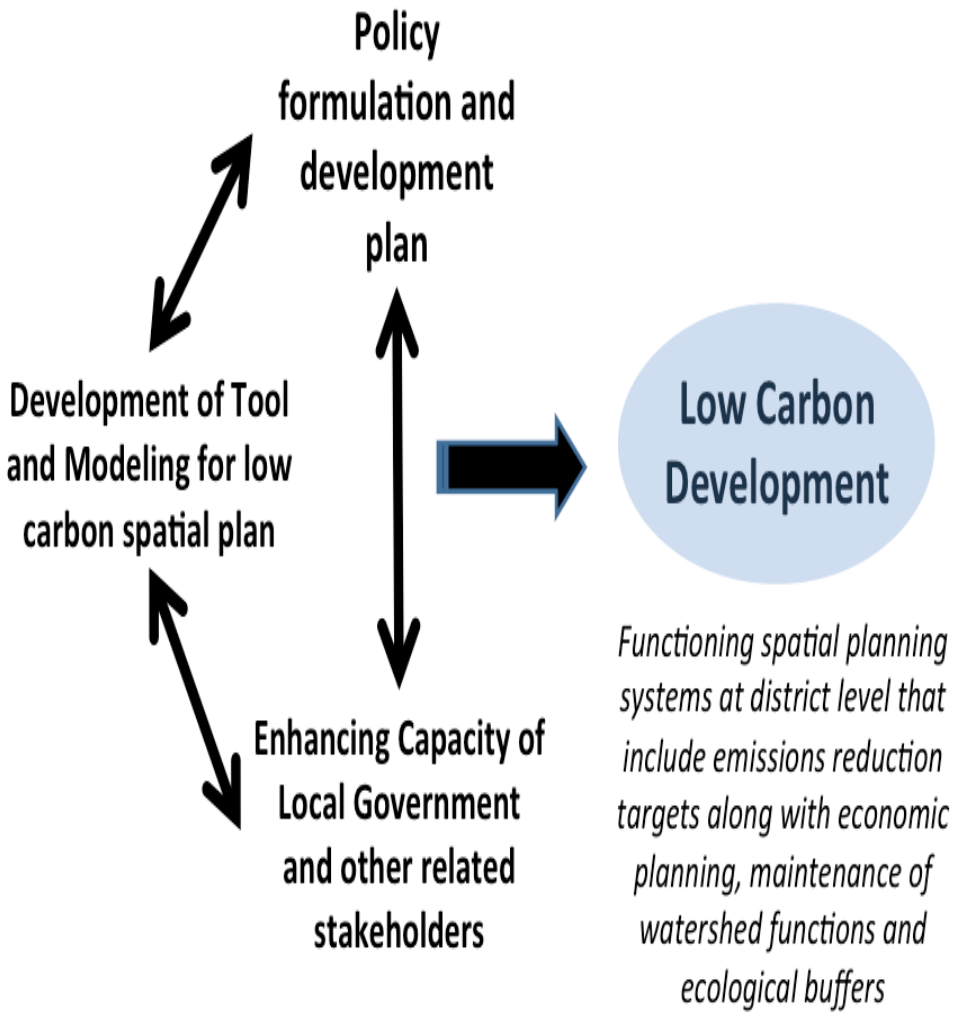
- Involvement of all stakeholders, particularly local governments and private is crucial to meet the national target
- Long-term commitment → it will beyond the election cycle
  - How to ensure the commitment will be carried over by the new governments?
  - What legal instruments?
  - What fiscal policies?
  - How science helps local government to integrate the climate change into long-term development plan?

Legal Instruments

- Environmental Law No 32/2009 and Government Regulation 46/2016: Mandating local all sectors and local governments to conduct strategic environmental assessment (KLHS) in developing their medium-long term development plan revision of the spatial plan
  - Ensuring that plans, policies and development (RKP) programs will not have negative impact on environment and sustainability of development
  - Putting climate change as a mandatory strategic issue in KLHS
  - No development budget provided if the RKP are not conducted
- Government Regulation on Environmental Economic Instrument, an economic policies that can push local governments and other stakeholders to sustain environments functions (services)

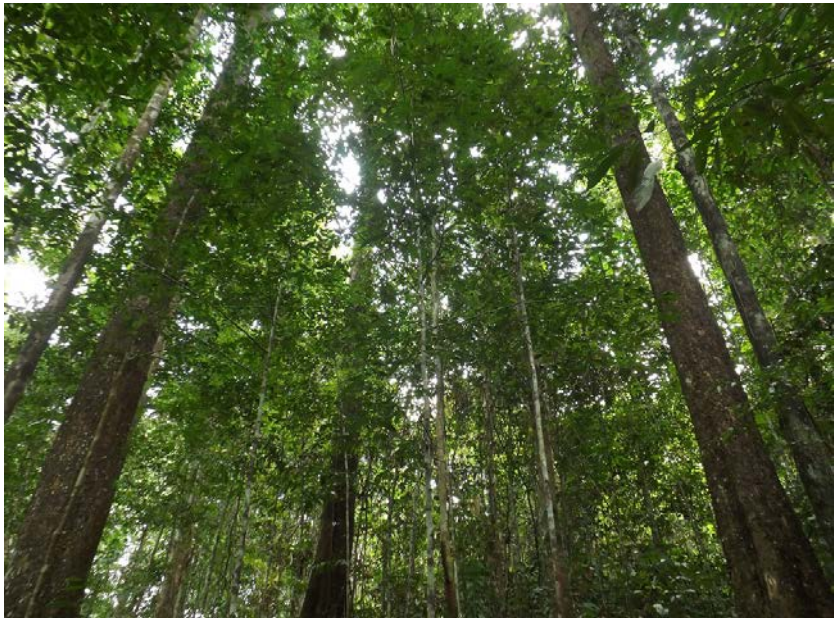
Local Appropriate Mitigation Actions-Indonesia (LAMA-Indonesia)

- Focus of sectoral program is to address development issues
- Program/Actions for reducing emission are not priority for local governments
- Increase understanding that addressing climate change also address the development issues
- Availability of tool to assist the local government in integrating climate change into medium and long term development programs (RPJMN)

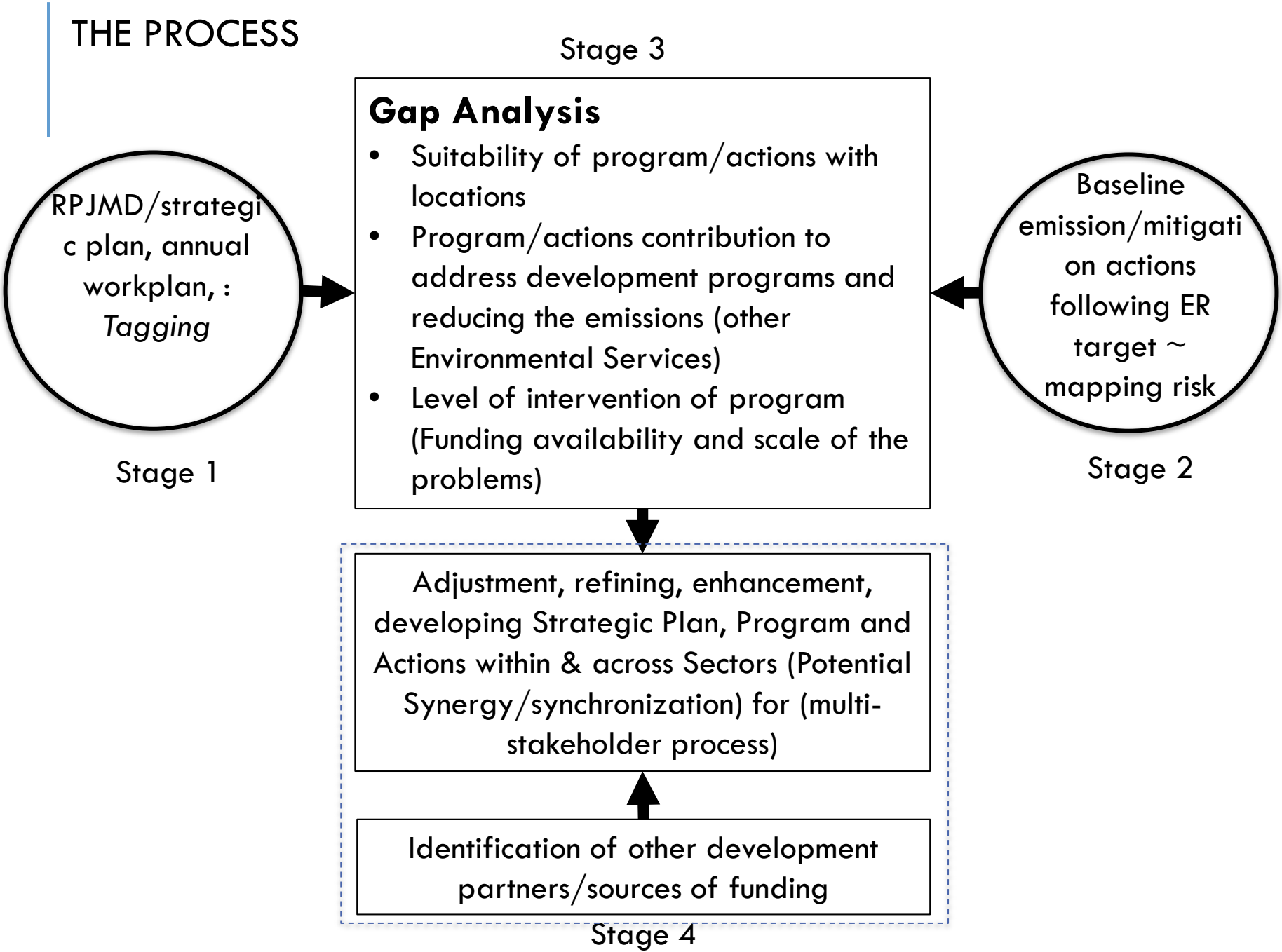


Four stages for Mainstreaming Climate Change into Local Development Plan

1. Identification of Programs (*Tagging*): Evaluating contribution of current development programs
2. Analysis of historical and Future Emission – Mapping emission risk & priority locations
3. Gap Analysis for Program Enhancement, and establish synchronization & Synergy of Programs within and across sectors
4. Setting mechanisms for coordination on programs synergy, synchronization and integration and MRV



THE PROCESS


Stage 3
Gap Analysis
• Suitability of program/actions with locations
• Program/actions contribution to address development programs and reducing the emissions (other Environmental Services)
• Level of intervention of program (Funding availability and scale of the problems)
RPJMD/strategic plan, annual workplan, : *Tagging*
Stage 1
Baseline emission/mitigation actions following ER target ~ mapping risk
Stage 2
Adjustment, refining, enhancement, developing Strategic Plan, Program and Actions within & across Sectors (Potential Synergy/synchronization) for (multi-stakeholder process)
Identification of other development partners/sources of funding
Stage 4

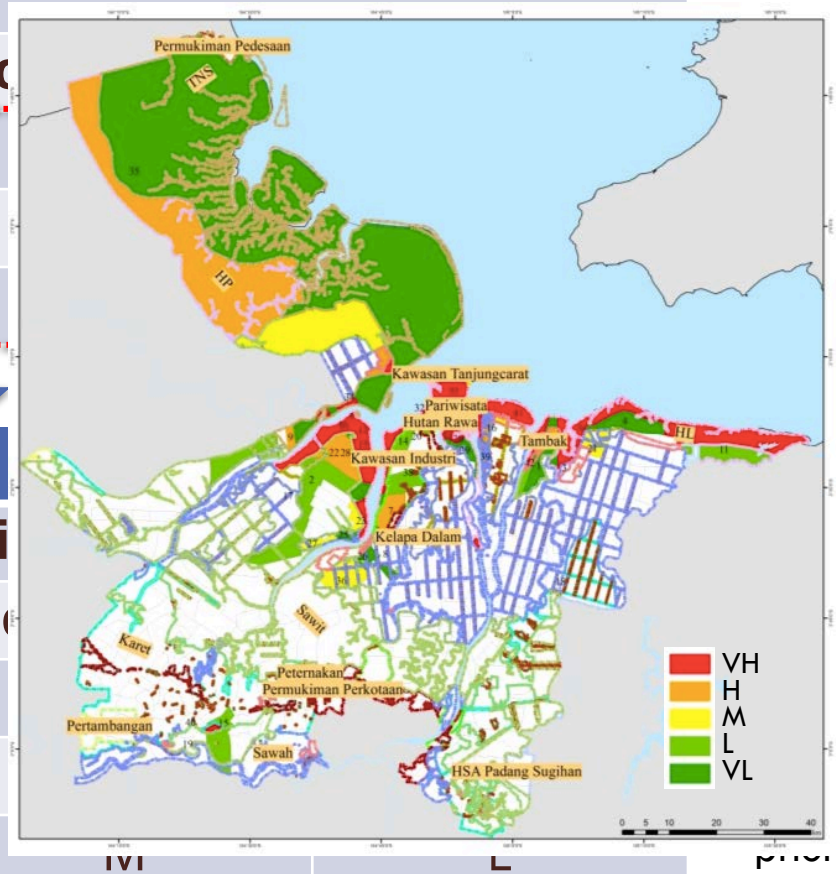
Mapping Risk and Priority Locations

Matrix of emission risks (historical emission)-Step 1

Rate	Trend: Increasing	Co
High	VH (5)	
Medium	H (4)	
Low	M (3)	

Location prioritization-Step 2

Level of risks (Historical)	Projection of emi: High	M	
Very high (5)	VH		
High (4)	VH		
Medium (3)	H	M	L
Low (2)	M	L	VL
Very low (1)	L	VL	VL



Note:

Very High

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edium

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Very Low

Very High

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ligh priority;

Medium

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- L – Low priority;
- VL – Very Low priority