Integration of Climate Change Adaptation and Mitigation into Development Plan

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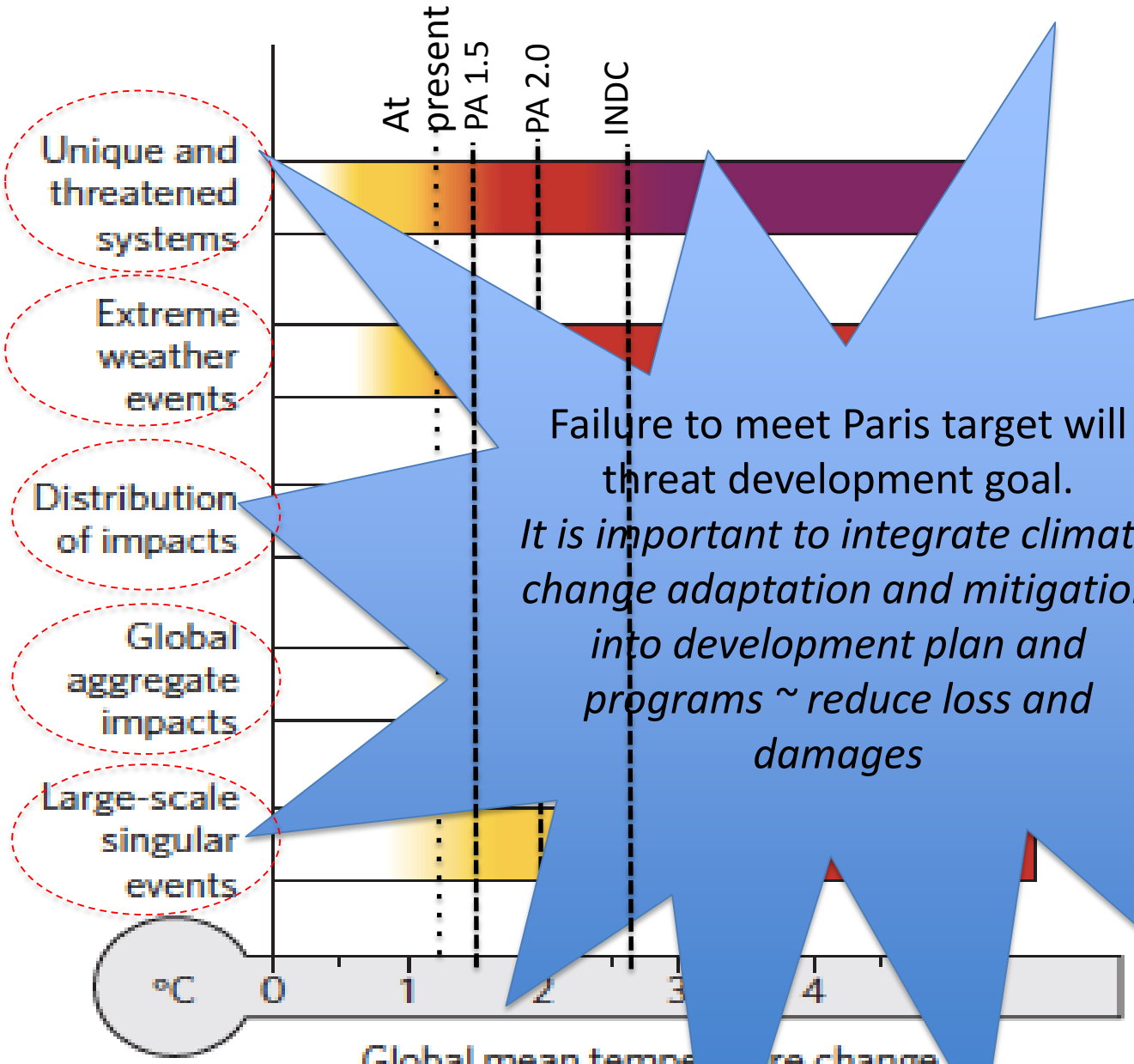
COP23 Side Event-Japan Pavilion

Linkage between NDC and SDGs – synergies and trade-offs

9 November 2017

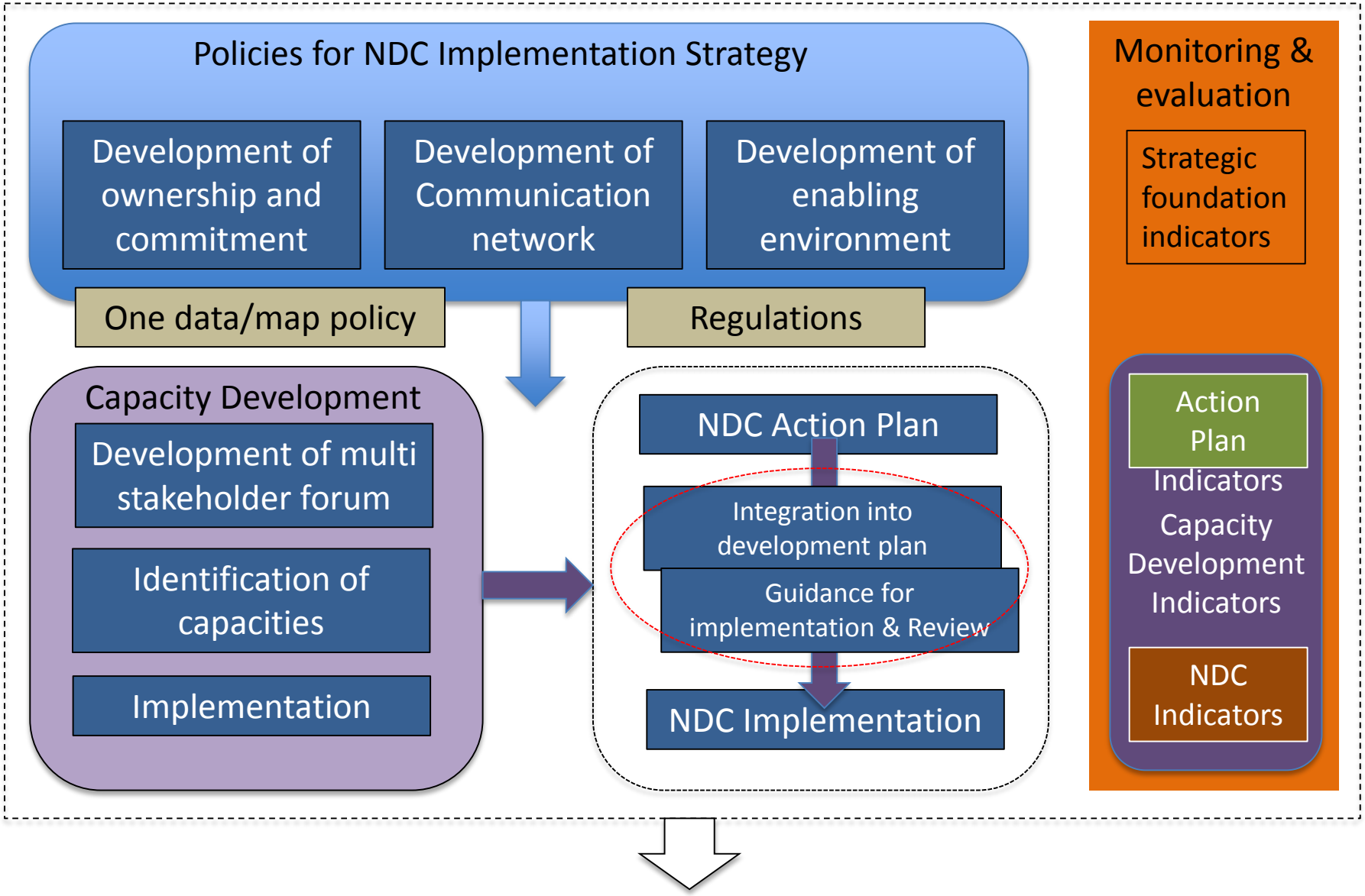
PARIS TARGET AND SDGs



Failure to meet Paris target will threat development goal.

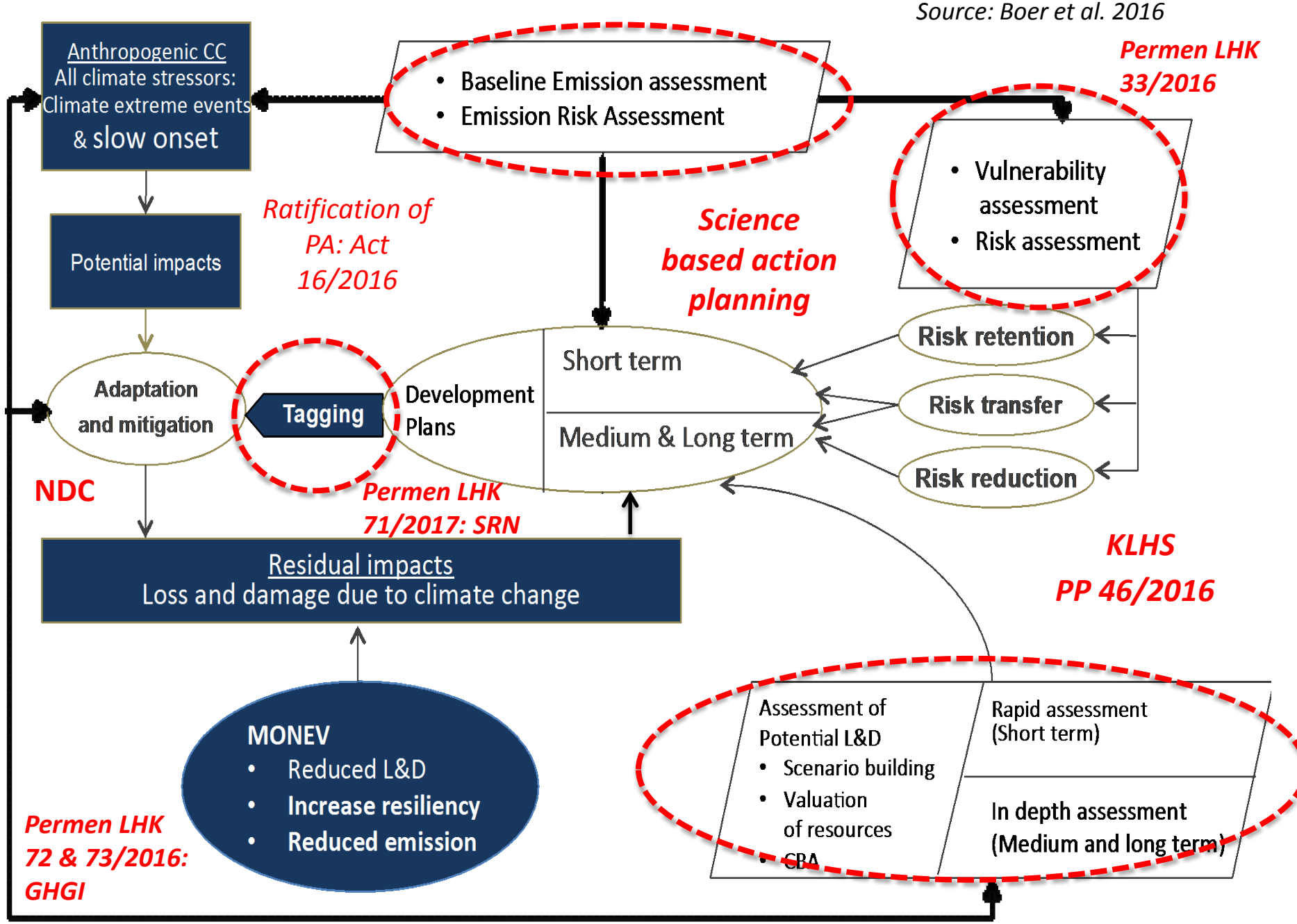
It is important to integrate climate change adaptation and mitigation into development plan and programs ~ reduce loss and damages

NDC Implementation Strategy



Source: MoEF, 2016

FRAMEWORK FOR LOW CARBON AND CLIMATE RESILIENCE DEVELOPMENT



Integration Process of CCA Plans into Regional Medium-Long Term Development Plan (RPJMD): Permen LHK No.33/2016

Implementers of adaptation actions

Implementation of adaptation actions

MONEV

Identification of specific sector

Climate threat

Vulnerability

Risk Assessment

Vulnerability & climate risk assessment

1: Risk

Identification adaptation opsions

Community base adaptation actions

Development of adaptation options

List of options

Prioritization of adaptation options

2: Tagging

RTRW

RPJM

RPJP

Specific sectors

- Food security
- Energy security
- Health
- Settlement
- Infrastructure
- Coastal & small islands

Integration of CCA into Development Plan

KLHS PP46/2016

4: KISS

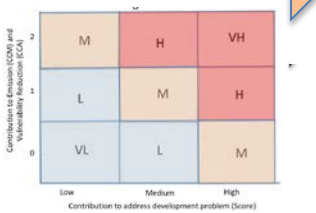
Adjustment, refinement, synchronization, synergism of development programs within and across sectors

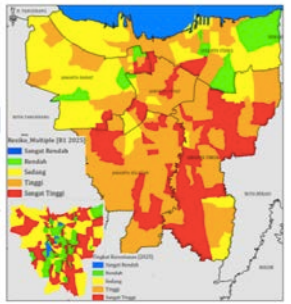
Compatibility development programs with Adaptation

Compatibility Community initiatives with adaptation

3: Gap

Inputs and response to adaptation options





Process Integration CCA and SDGs in Development Plan

Source: Boer et al. 2016

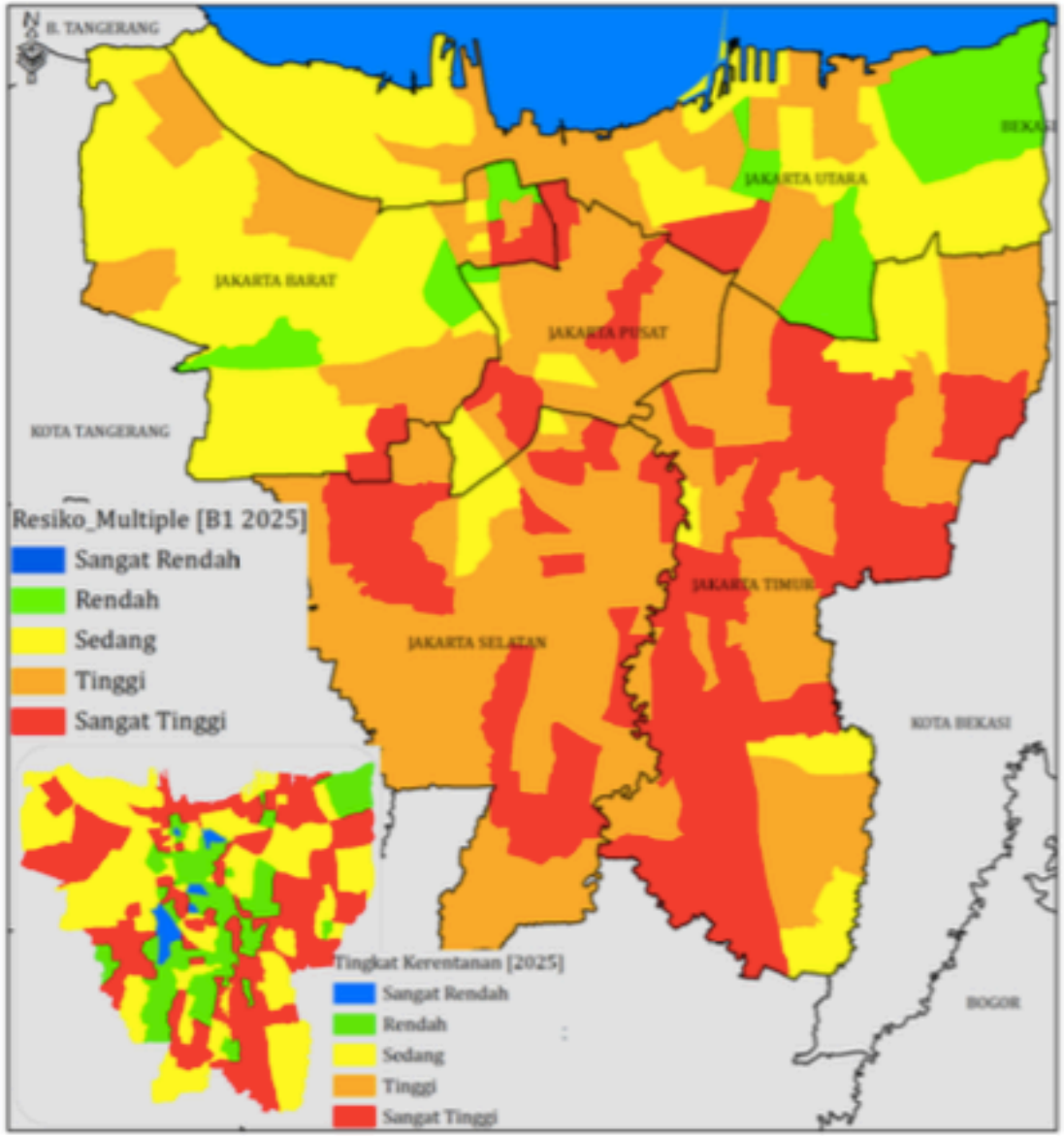
1. Analysis of emission risk and cc vulnerability/impact – Mapping driving factors for emission and vulnerability & priority locations
2. Identification of Development Programs (*Tagging*) and its linkage with CC and SDGs
3. Gap Analysis for Program Enhancement, and establish synchronization & Synergy of Programs within and across sectors
4. Setting mechanisms for coordination on programs synergy, synchronization and integration and MRV

1: Analysis of emission risk and climate risk – Mapping driving factors for emission and vulnerability & priority locations

- Facilitating local governments to analyze historical and future emission trend and to understand drivers of emissions using tool (SIGN SMART: http://signsmart.menlhk.go.id/signsmart_new/web/home/) and vulnerability (SIDIK: http://182.253.238.238/administrator/dashboard)
- This process produces information on main driving factor & hot spot (*high risk*) area
- Two steps of analysis include
  - Assessing historical risks
  - Identifying drivers and hot spot areas (prioritizing locations for CCA&CCM) by evaluating future emission and climate risks

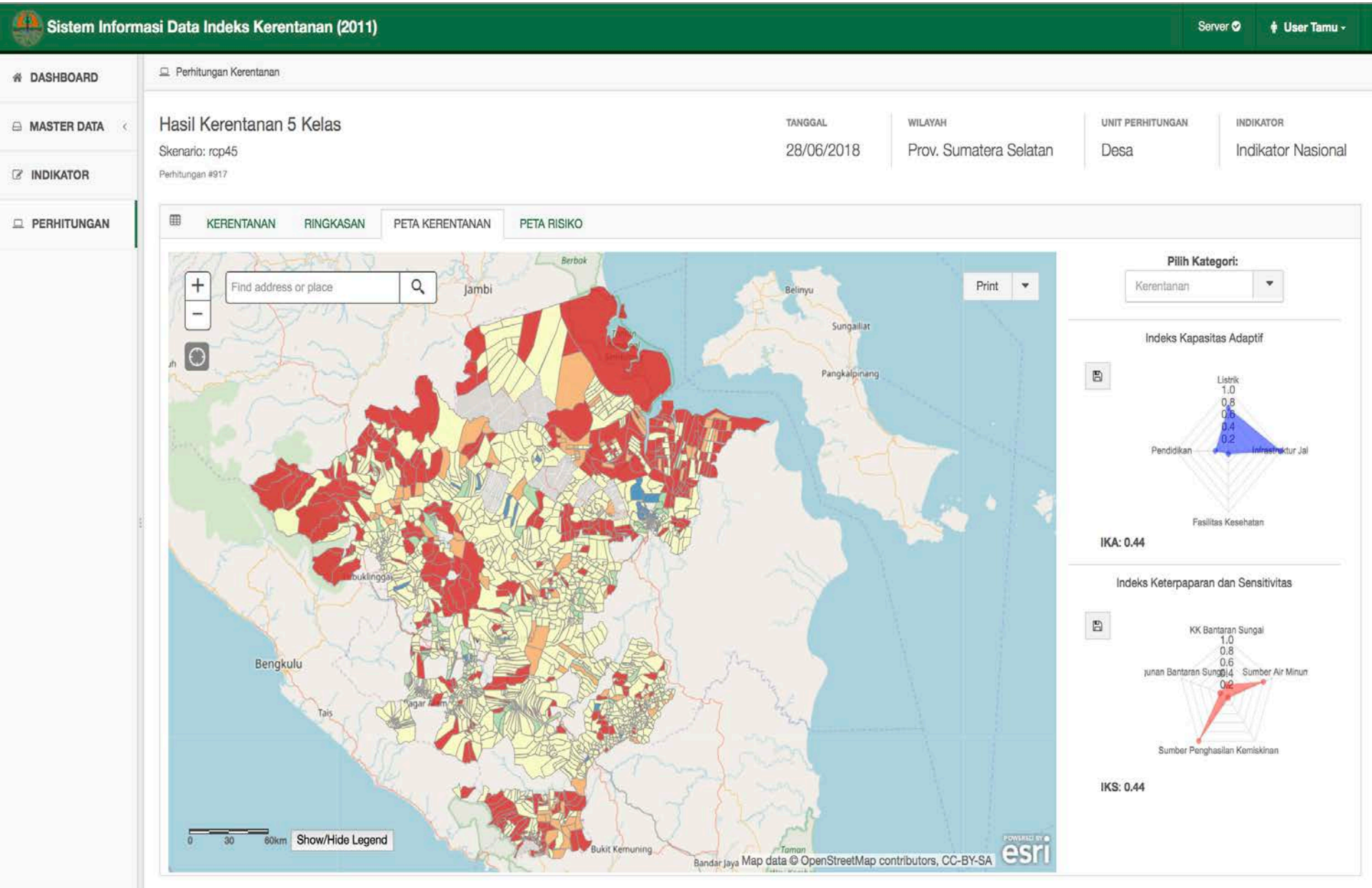
Climate risk assessment at village level (SIDIK), function of vulnerability and change of probability of extreme climate events

Prob. of ECE / Vulnerability	Incre-ase	Cons-tant	Decre-ase
V. High			
High			
Medium			
Low			
V. Low			



Level of Priority: Very High, High, Medium, Low, Very Low

SIDIK: http://182.253.238.238/administrator/dashboard



signsmart.menlhk.go.id/signsmart_new/web/home/

tation): Session stracture - rizaldiboer@gm... | 'Kubu Jokowi Makin Kuat' Prabowo Siap Usung AHY Atau Amien Rais Jadi Cawapre... | Home | SIGN SM

SIGN SMART
Direktorat Inventarisasi Gas Rumah Kaca dan Monitoring, Pelaporan, dan Verifikasi

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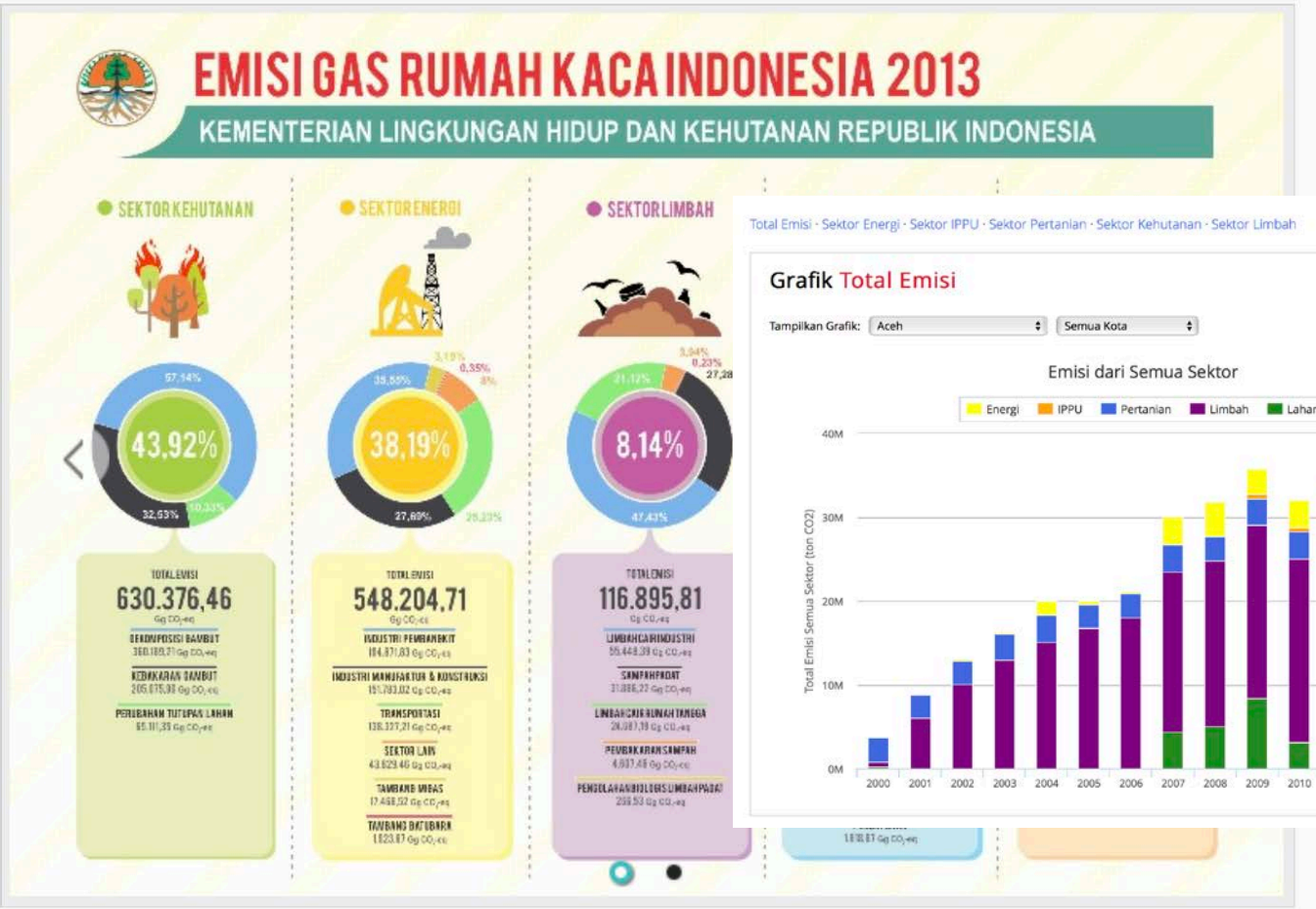

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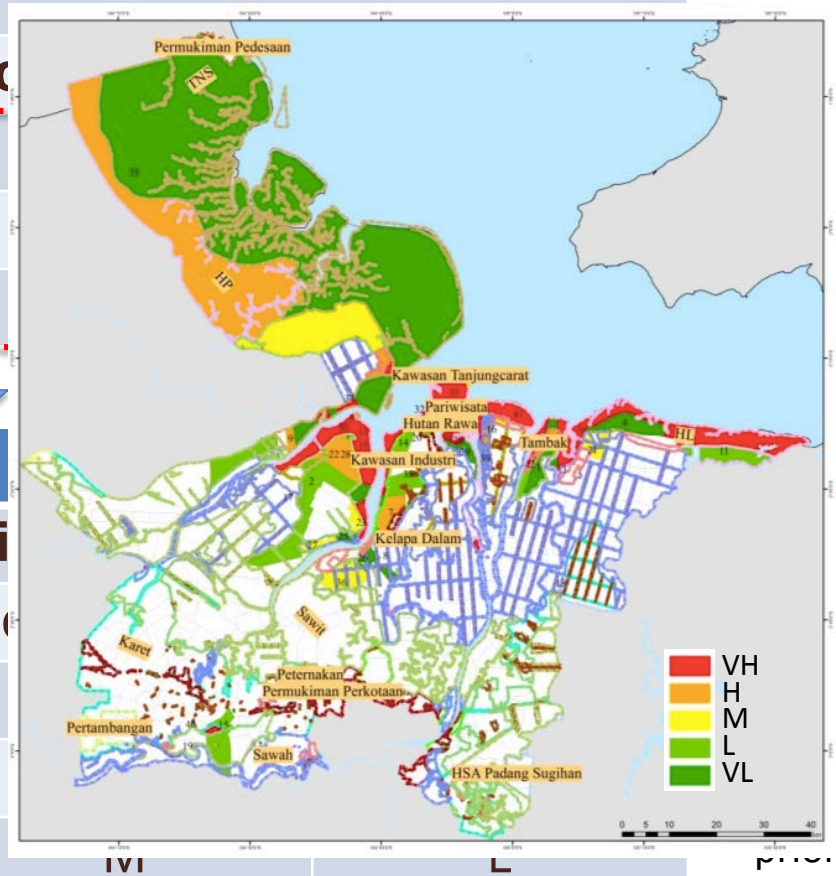
Mapping Emission Risk: Land Base

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

igh risk;
Medium

w risk;
Very Low

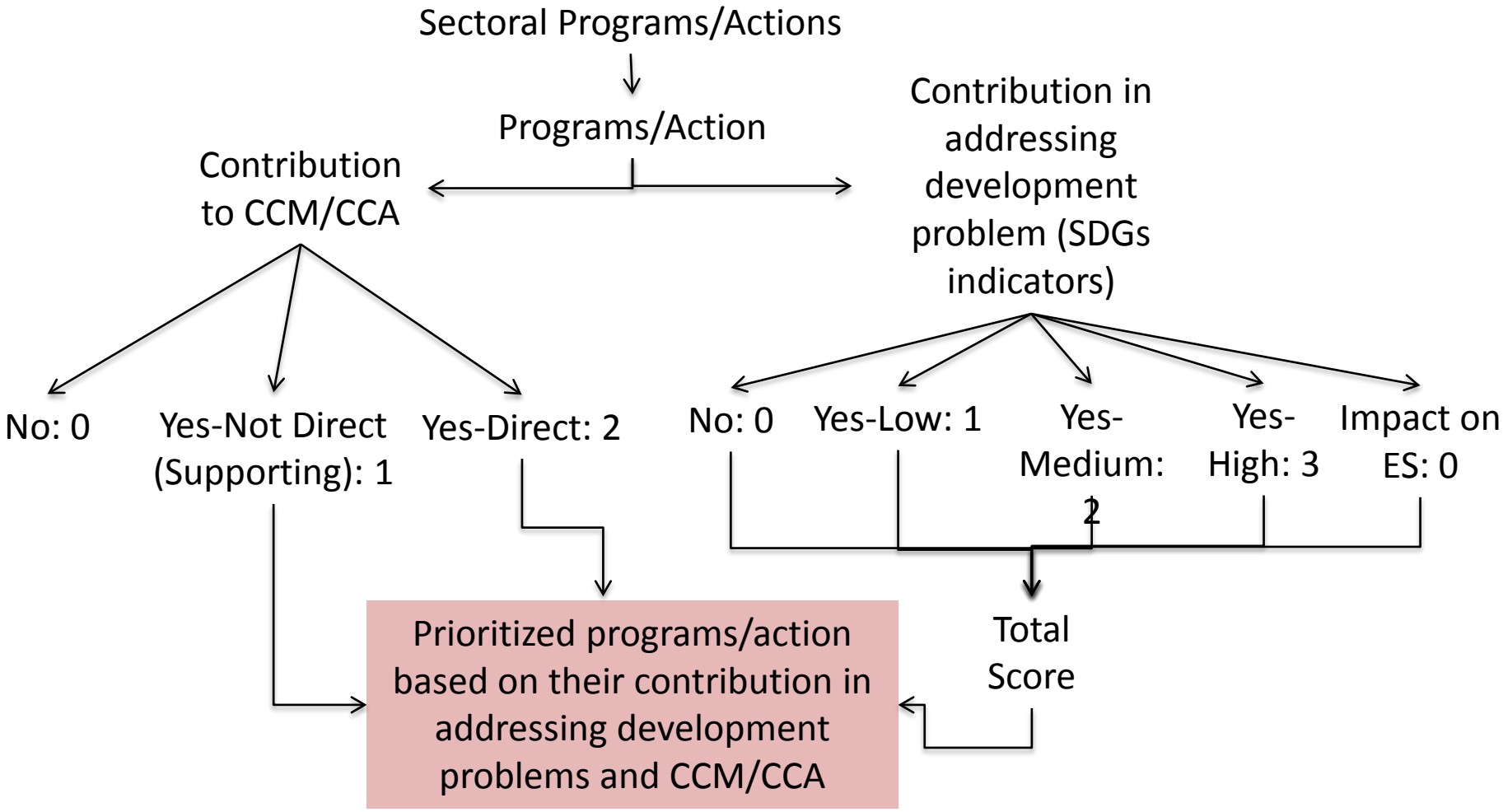
Very High
ity;
High priority;
Medium
ity;

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

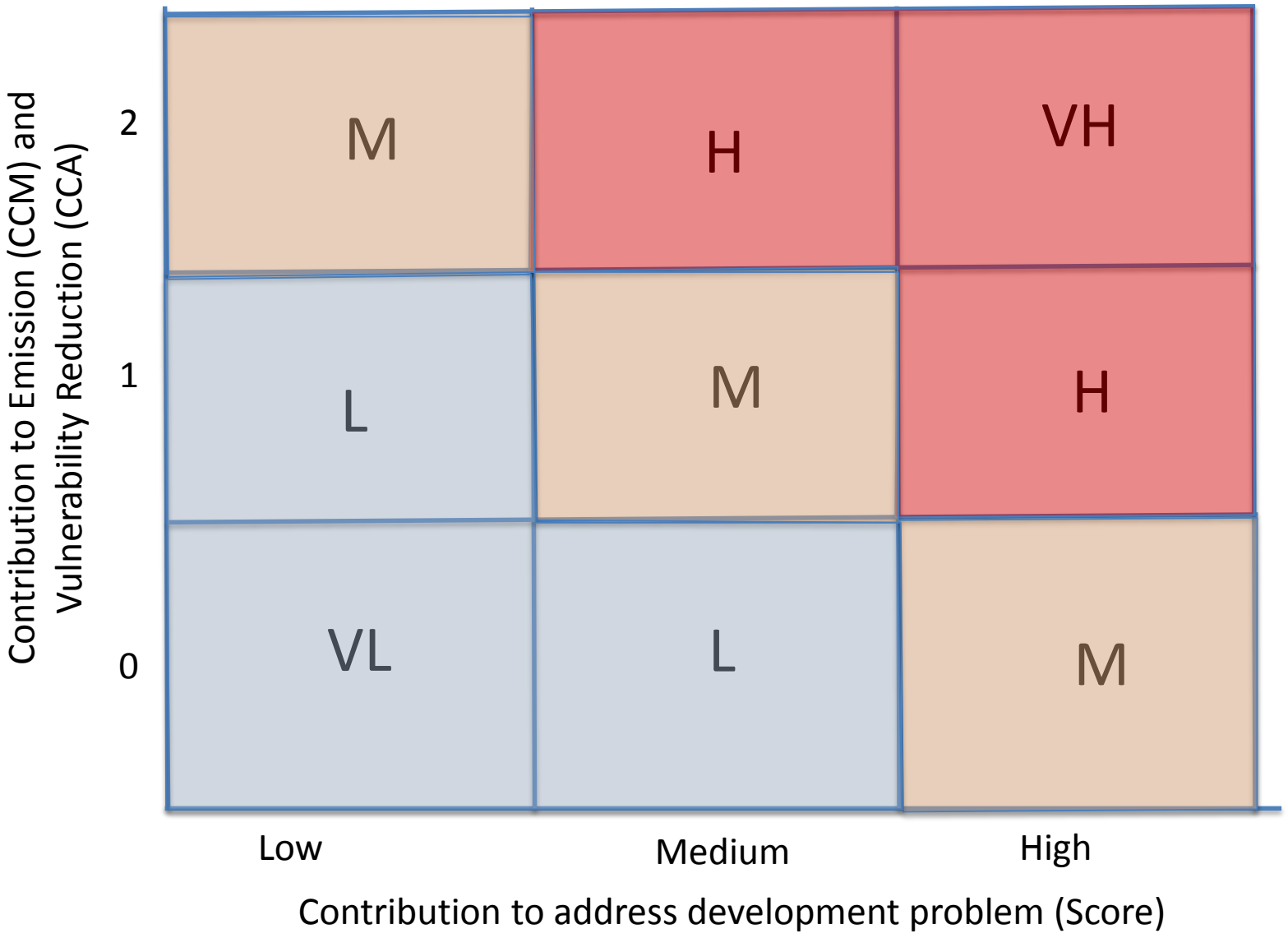
2: Identification of Programs (*Tagging*)

- Assisting local governments
  - to better understand programs that will contribute to address not development problems but climate change mitigation and adaptation (CCM/CCA)
  - To evaluate their programs in term of their contribution in addressing development issues (poverty alleviation, livelihood, education, governance, infrastructure, health, etc) and climate change mitigation and adaptation (CCM/CCA) & co-benefit (ES)

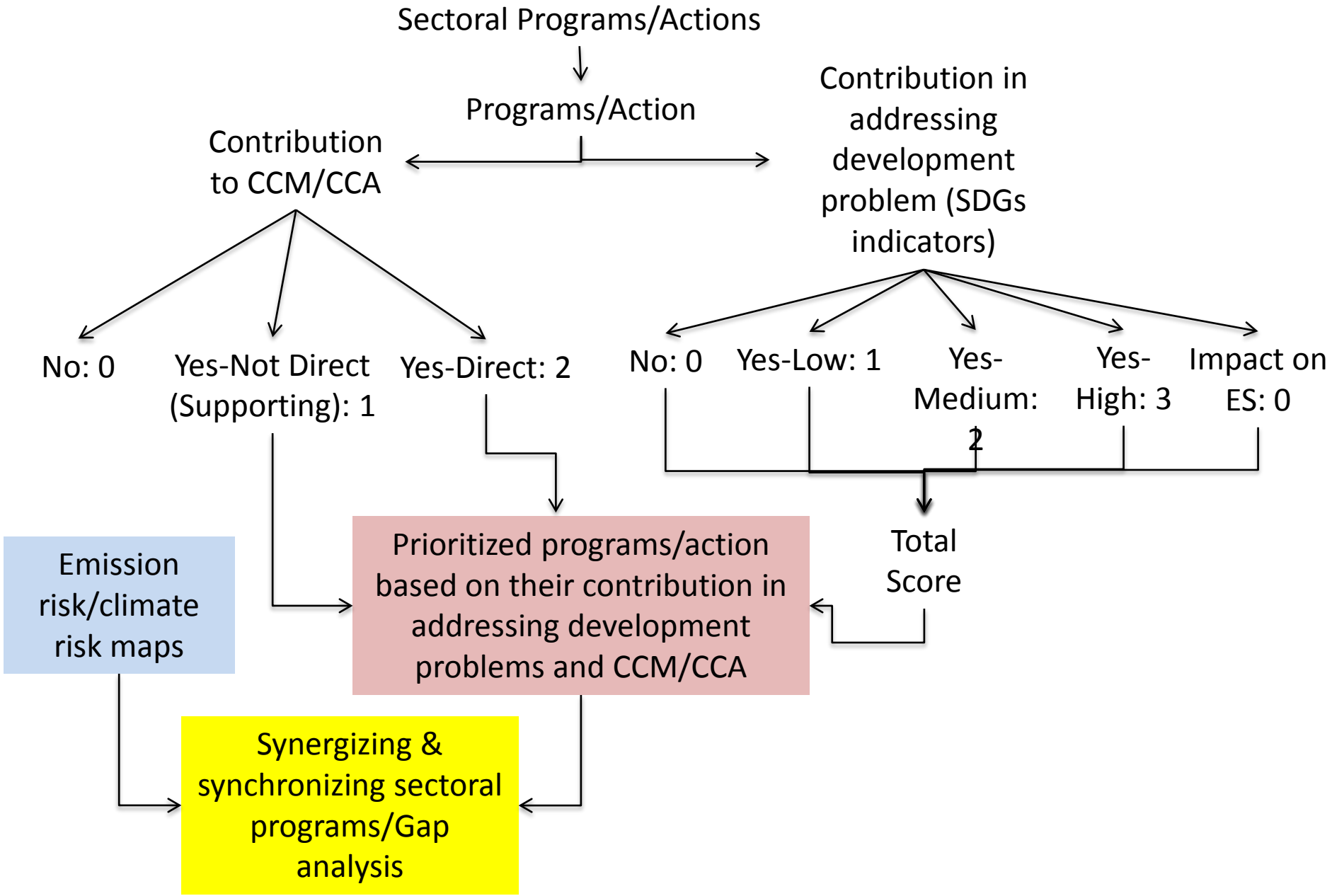
2: Identification of Programs (*Tagging*)



Categorizing Program/Activities of Sector in term of their contribution in addressing development problem and reducing GHG emissions



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

Planning Unit	Priority Locations	Main Program (PU)	Supporting Program (PP)	Beneficiries	Main Agency and Supporting Agencies
Conser-vation zone	ST (1)	PU1	PP1, PP2, PP3 etc	Communities surrounding forest etc.	Agency A/Agencies B, C, D
Develop-ment zone	T (2)	PU2	PP1, PP2,	Masyarakat sekitar hutan	Agency B/Agencies A, D, F
Etc	Etc	Etc	Etc	Etc	Agency C/Private-y
…	…	…	…	…	…

Four Steps: Integration Process of CCA and CCM Action Plans into Regional Medium-Long Term Development Plan (RPJMD):

Permen LHK No.33/Menlhk/Setjen/Kum.1/3/2016

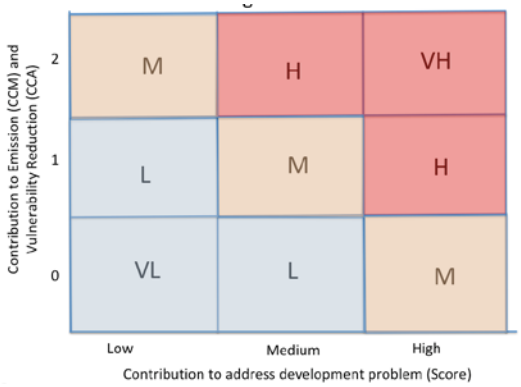
TAGGING PROSES

Development Program (*Tagging*)

2

Prioritized Program/Actions

- *High*
- *Medium*
- *Low*



Gap Analysis 3

- What program (**WHAT**) and target location (**WHERE**)
- Scale of problems and funding availability and level of urgency **(WHEN)**
- **WHO** to implement and **HOW** to monitor the performance and achievement

4 Adjustment, refinement, synchronization, synergism of programs within and across sectors and monitoring and evaluation system (**KISS ME**)

Identification of other development partners and additional funding sources **(WHO)**

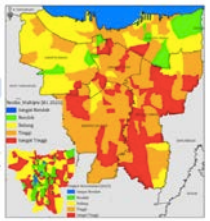
Risk Assessment

Baseline emission & Emission risk and climate risk Assessment

1

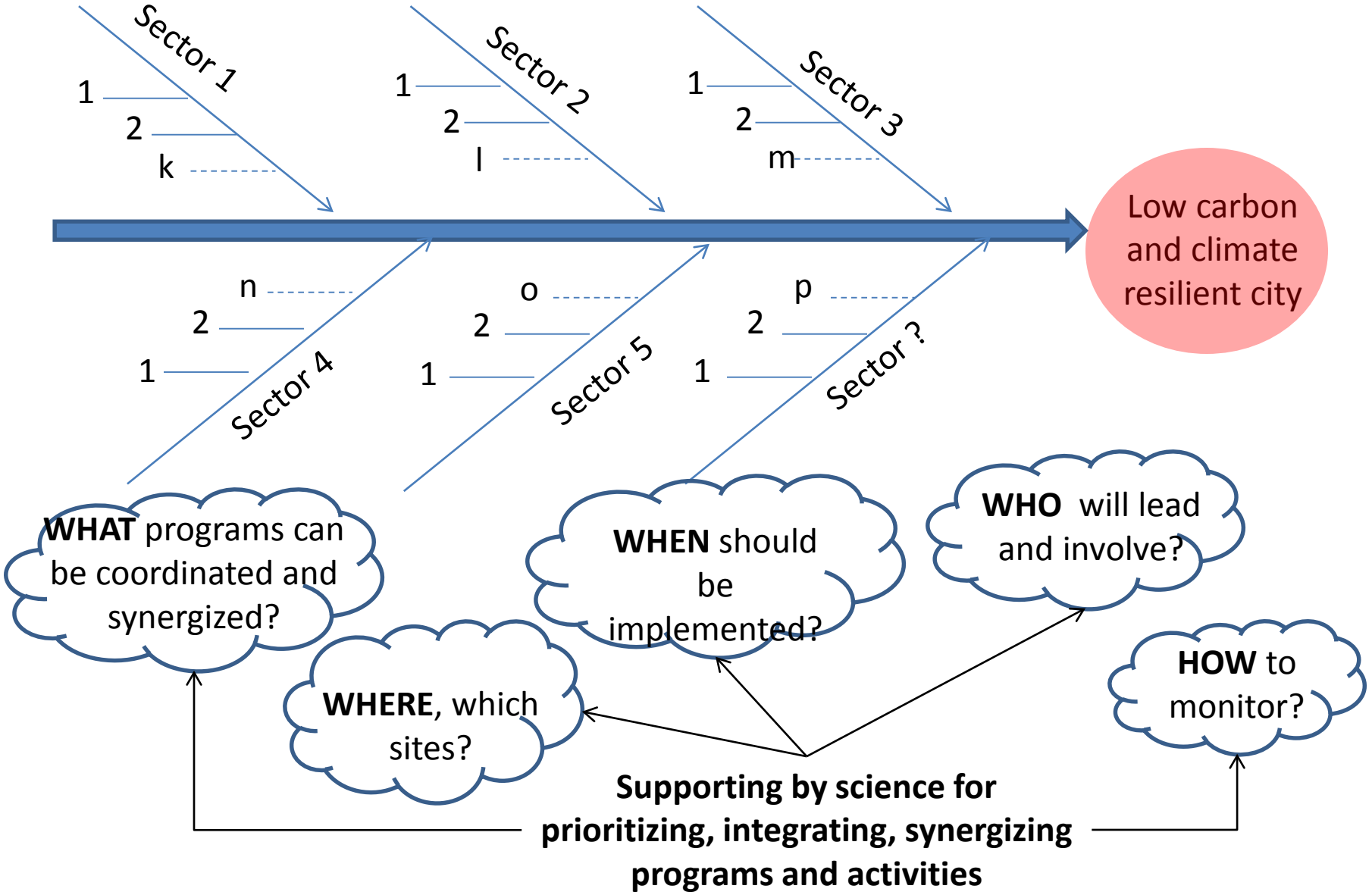
Prioritized Locations

- *Very high*
- *High*
- *Medium*
- *Low*
- *Very Low*



CCA/CCM actions (Expert, stakeholder, survey and others

Coordinating, Synergizing, integrating Programs and activities across sector and partners that contribute toward low carbon and climate resilience development



Epilogue

- Availability of tool is very useful for assisting the local government in the process of synchronizing climate actions and SDGs
  - Increasing understanding on linkage between climate actions and SDGs
  - Designing short-medium and long-term strategy for addressing development issue but also GHG emission and climate risk under multi-stakeholder setting
  - Facilitating process of synergizing, syncronizing and integrating sectoral programs
  - Facilitating coordinated actions in addressing the development problems and implementing low carbon and climate resilience development
  - Assisting in defining funding needs toward low carbon development and climate resilience development