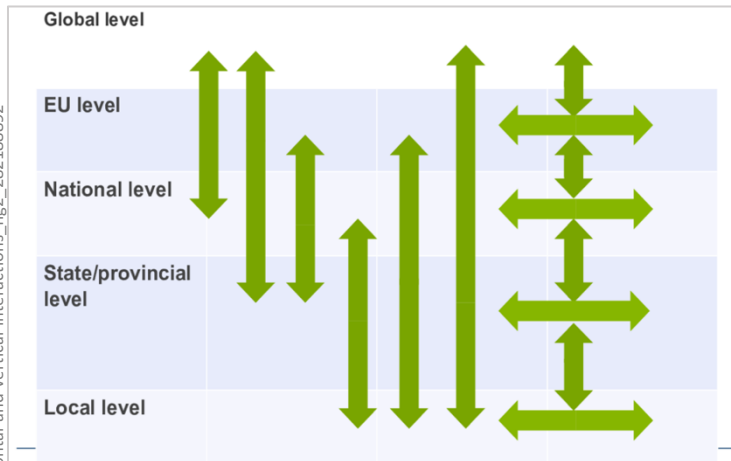




## Approaches for multi-level climate governance / vertically integrated climate policies

12<sup>th</sup> April 2018, 11:00 – 12:00 Central European Summer Time (9:00 – 10:00 UTC)

[https://www.researchgate.net/figure/Multi-level-governance-possible-horizontal-and-vertical-interactions\\_fig2\\_282188892](https://www.researchgate.net/figure/Multi-level-governance-possible-horizontal-and-vertical-interactions_fig2_282188892)



**Transformation - Urban Opportunities - Climate Change (TUrbOCliC)**

Cross-sectoral group of the TUEWAS and SNGA network of GIZ

# Programme



- **Welcome and Moderation:** Ms. Eva Ringhof, CDIA Program Coordinator and Joint Speaker of TUrbOCliC
- **Multi-level climate governance – theoretic framework and examples for instruments to support local action** – Ms. Lisa Lebershausen, Advisor “Climate Policy meets Urban Development” Project
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- Interactive discussion with audience

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# Multi-level climate governance: theoretic framework and examples for instruments to support local action

TUrbOcliC Webinar

„Approaches for multi-level climate governance / vertically integrated climate policies“

12 April 2018

Lisa Lebershausen

Advisor “Climate Policy meets Urban Development”

Deutsche Gesellschaft für internationale Zusammenarbeit (GIZ) GmbH



## Content

1. Multi-level climate governance: concept and definition
2. Actors, dimensions and ,operating principles‘ of MLCG
3. MLCG instruments: categories and examples
4. MLCG framework – the Indian case
5. Conclusions



## Multi-level climate governance: concept and definition

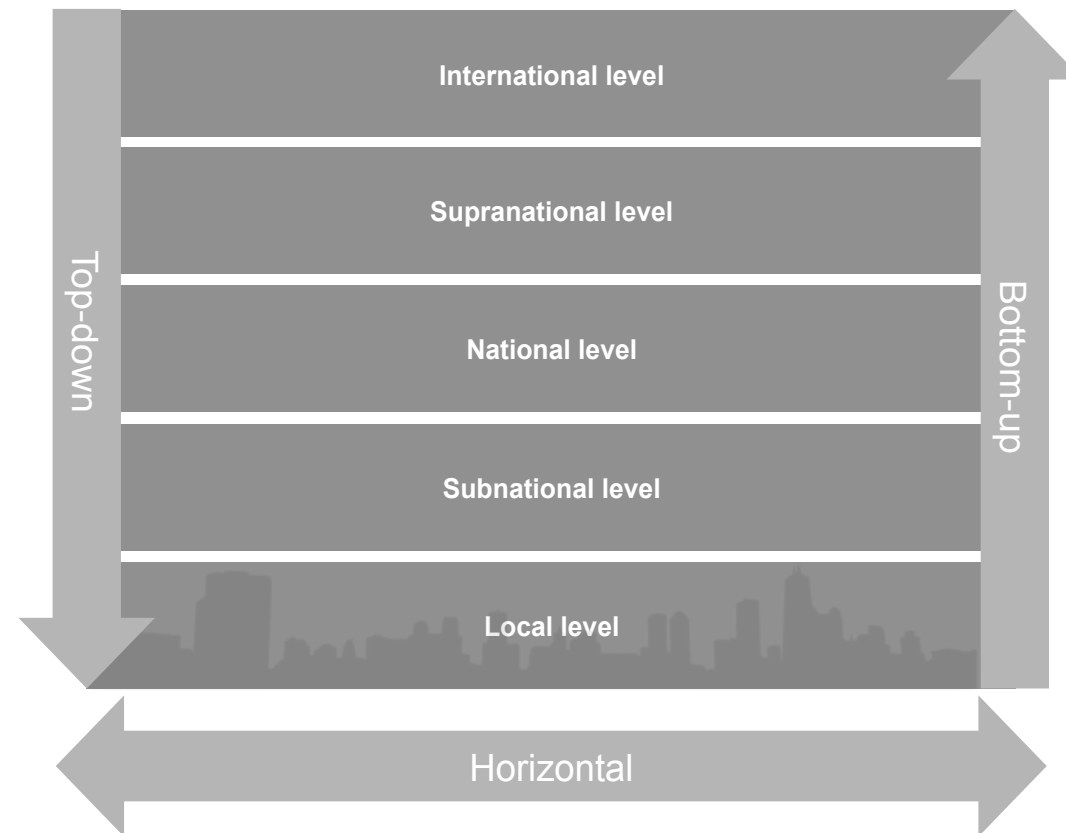
- Role of cities in climate policies and action
- Mutual dependency of government spheres
- Enhanced action through cooperation

**Multi-level climate governance encompasses the structural and institutional setting in which different levels of government distribute roles and responsibilities, coordinate and cooperate on climate action; as well as the specific instruments that are implemented at different levels of government to support and implement local climate action.**



## Actors, dimensions and ,operating principles' of MLCG

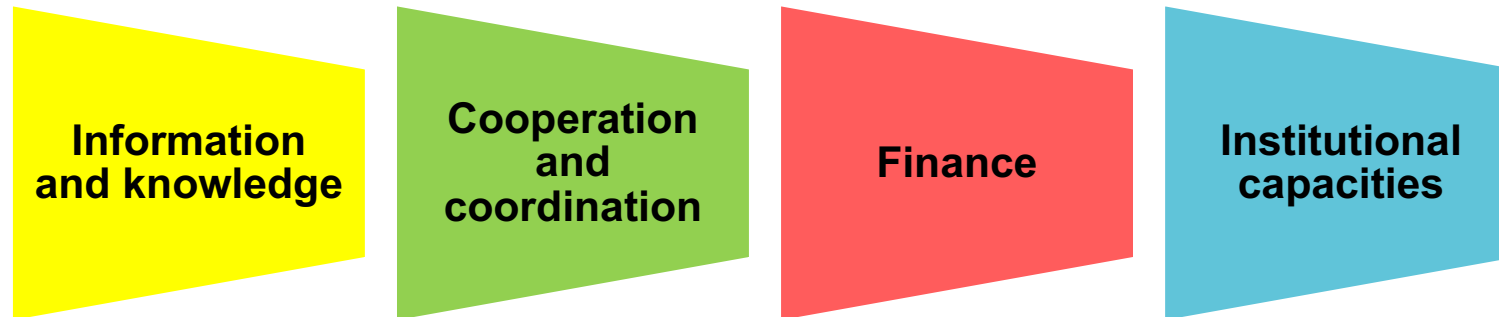
- Public and private actors
- Vertical and horizontal
- Top-down, bottom-up, hybrid character





## Multi-level climate governance instruments

### 1. Addressing Governance gaps, improving governance capacities



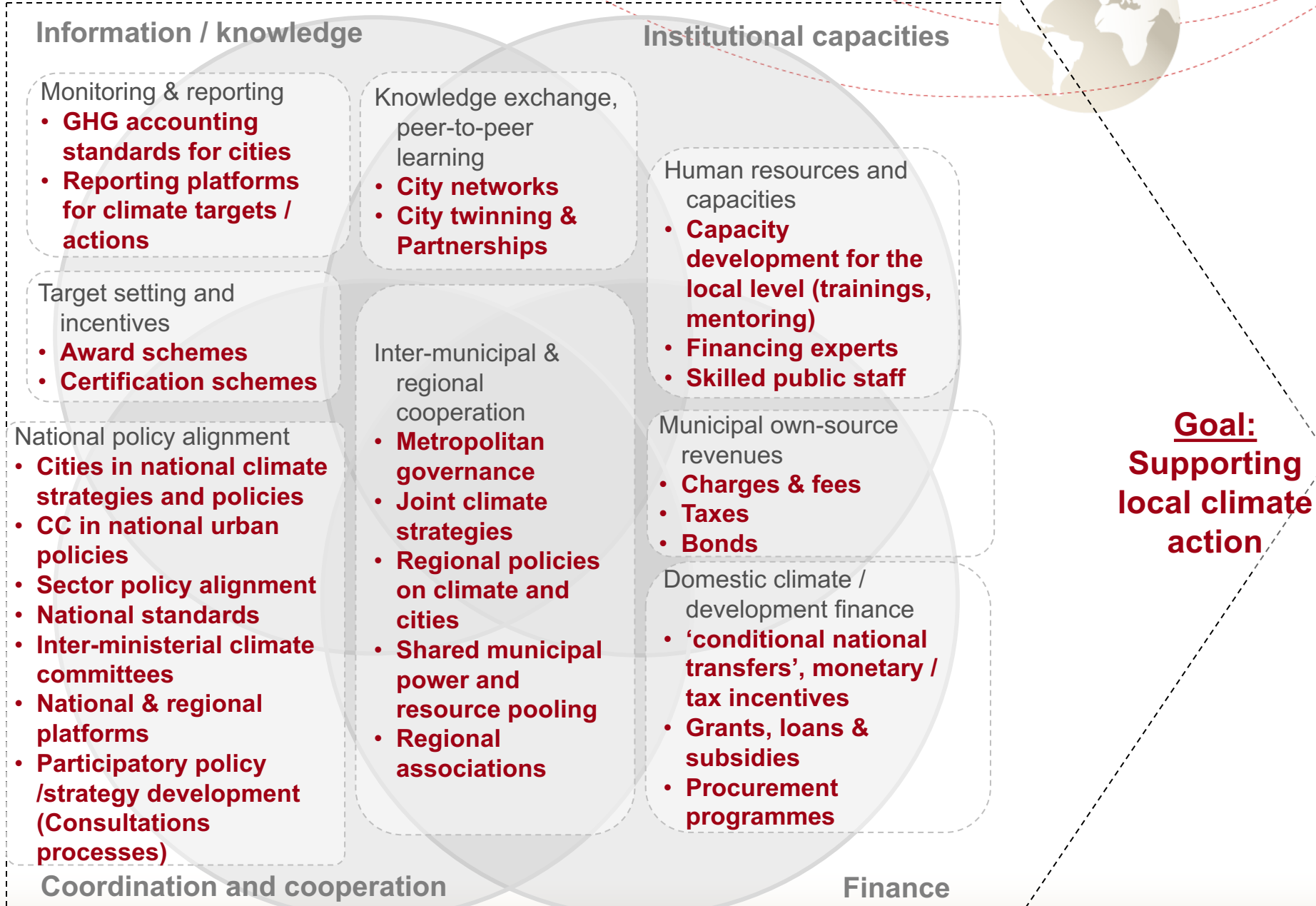
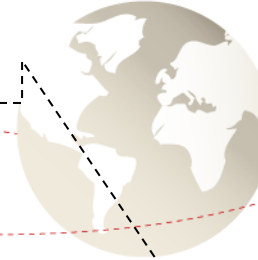
### 2. Engaging and enabling different actors

(e.g. inform & consult, incentivise, provide, demand)

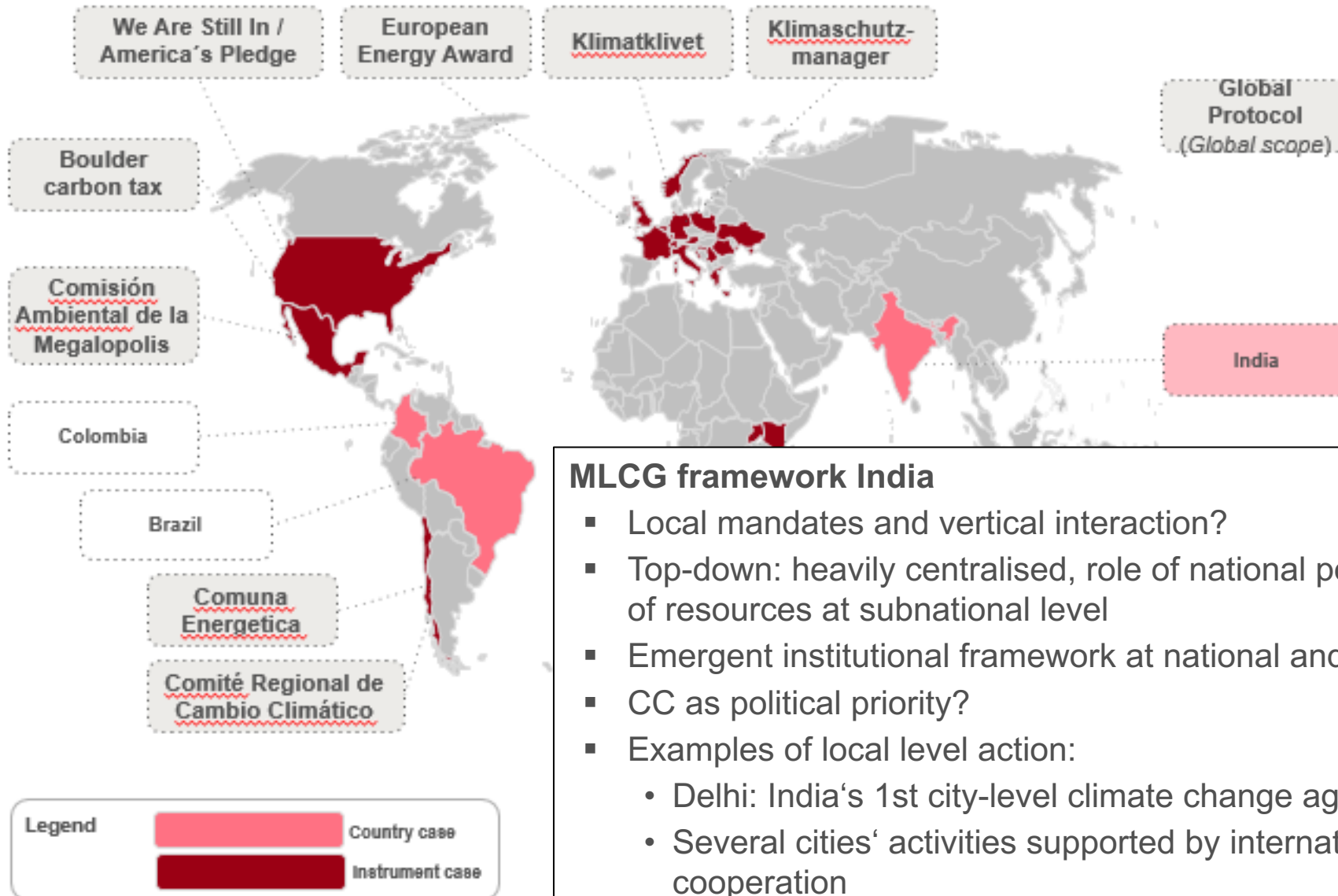
### 3. Supporting the implementation of climate policies, NDCs and the Paris Agreement



# MLCG Instruments and governance capacities



# MLCG Instruments: examples from around the globe



**MLCG framework India**

- Local mandates and vertical interaction?
- Top-down: heavily centralised, role of national policies and missions, lack of resources at subnational level
- Emergent institutional framework at national and state level
- CC as political priority?
- Examples of local level action:
  - Delhi: India's 1st city-level climate change agenda
  - Several cities' activities supported by international networks and cooperation



## Conclusions

1. Multi-level governance as an approach to harness climate action potential at all levels
2. Capacity development, policy alignment, coordination between various actors and finance are important pillars
3. Broad range of instruments available to enhance cooperation and support – vertically and horizontally
4. No one-size-fits-all solution, yet illustrative examples form around the globe to learn from and adapt to country circumstances



**Thank you very much  
for your attention!**

Contact:

Lisa Lebershausen

+49 30 338424-546

[lisa.lebershausen@giz.de](mailto:lisa.lebershausen@giz.de)

# Programme



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# VICLIM

## Vertically Integrated Climate Policies



## A global project, working in 5 countries





## “Definition”

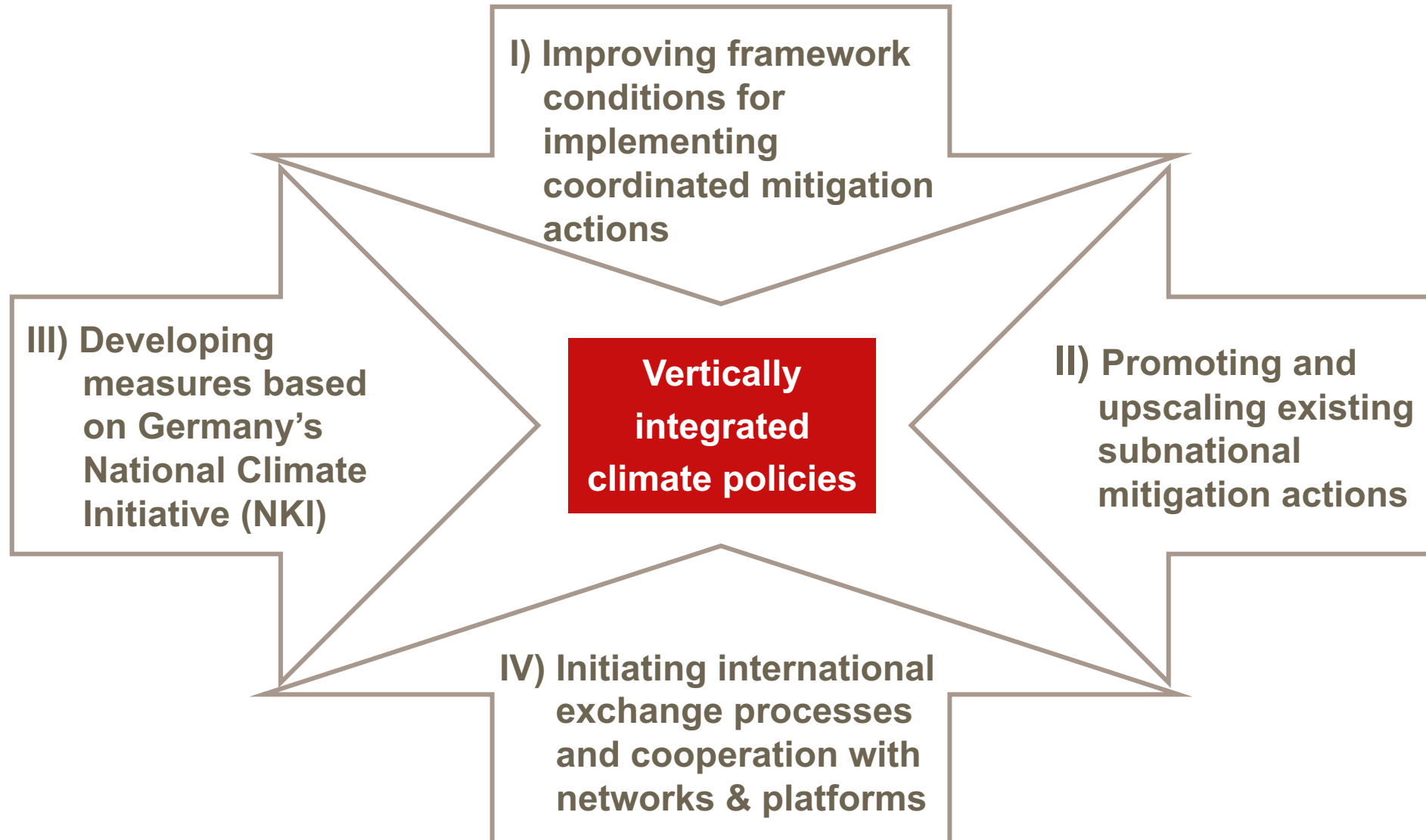
**Vertically integrated climate policies, or “multi-level climate governance” in general, entail efforts made by all spheres of government – including the national government, regional and local governments – to jointly develop, implement and monitor policies, programmes and actions designed to reduce greenhouse gas (GHG) emissions.**





## **Objective**

**National climate targets are achieved by integrating more effectively subnational stakeholders in climate action.**





## Selected activities

- **Mexico:** Development of “NDC-Toolbox” awareness raising videos for sub-national actors: what are the roles of the local level for achieving the NDC? how to take into account the results of local mitigation actions in the NDC? Development of guidelines for municipal climate action plans.
- **Costa Rica:** Support in implementing the “Carbon Neutrality Country Program for Municipalities” with training of municipality staff in GHG inventories and developing local climate action plans.
- **South Africa:** Energy Efficiency in public buildings and infrastructure: data management, monitoring, training, financing.



## Selected activities

- **Georgia:** Support in developing the new climate action plan with incorporating local / municipal level; knowledge and experience exchange about NKI's approaches.
- **Indonesia:** Training of provincial staff in mitigation project development and management; adaptation of sub-national mitigation plans to new national overall development strategy

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# Online System for Monitoring, Evaluation and Reporting (MER) of Sub-national GHG Mitigation Action Plans ( "*PEP Online*" )



## Some abbreviations

PerPres	=	Presidential Regulation
<b>RAN-GRK</b>	=	<b>National Mitigation Plan</b>
<b>RAD-GRK</b>	=	<b>Provincial Mitigation Plan</b>
<b>MER</b>	=	<b>Monitoring, Evaluation and Reporting</b>
<b>PEP</b>	=	<b>“MER” in Bahasa Indonesia</b>
<b>PPRK</b>	=	<b>Low-Carbon Development Planning</b>

# Role of Ministry of National Development Planning (BAPPENAS) in Climate Change Action

## 1 Article 3.4 of UNFCCC (1992):

*“ [...] policies and measures to protect the climate system against human-induced changed [...] should be integrated with national development programs [...] ”*

## 2 Presidential Regulation (PerPres) No.61/2011 for RAN- and RAD-GRKs:

National & Provincial Action Plans on GHG Emission Reduction

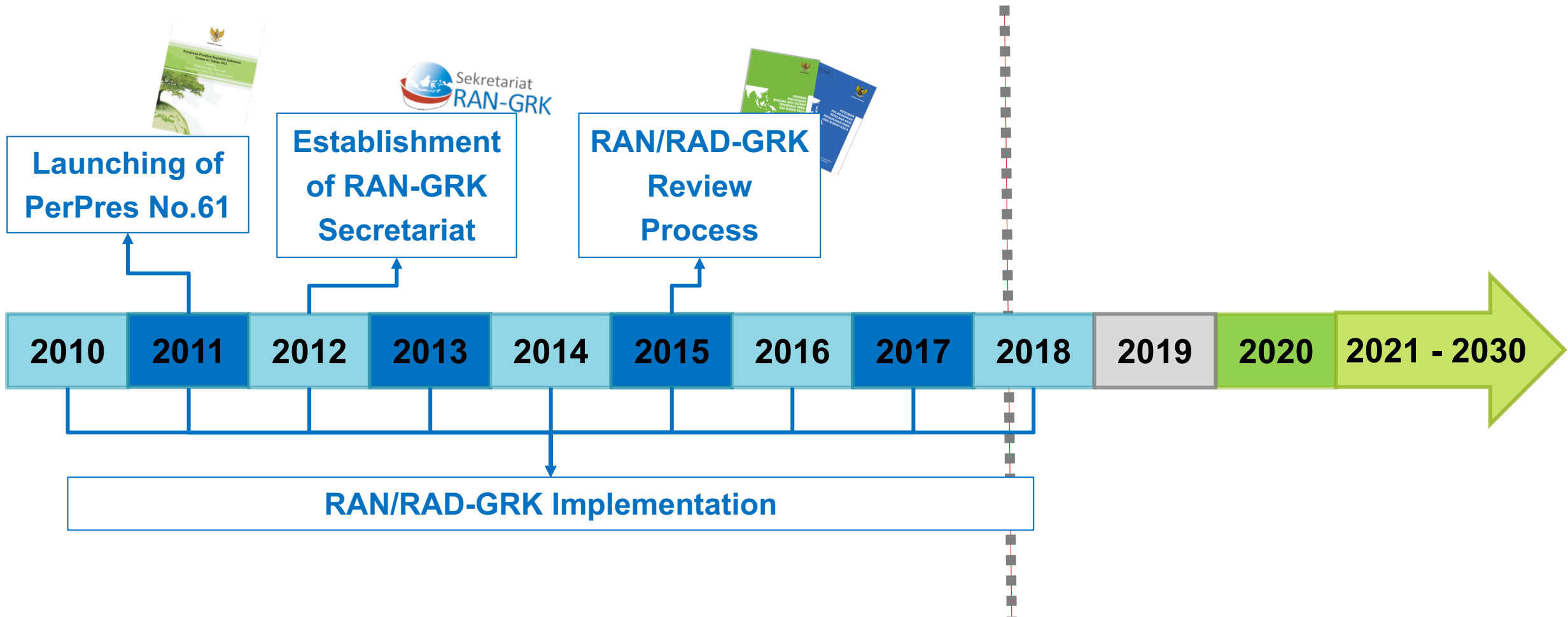
## 3 PerPres No.65/2015 and PerPres No.66/2015 for National Development Planning:

Policy Formulation, Coordination, Think Tank & Development Planning Administration

**MAINSTREAMING CLIMATE CHANGE  
INTO NATIONAL DEVELOPMENT PLANNING**



# Timeline



# RAN/RAD-GRK Implementation



## National Level

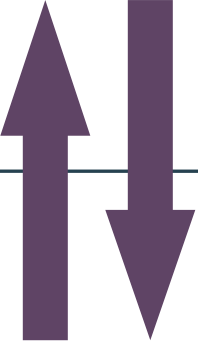
Overall coordination, technical assistance and capacity development:

- Guideline
- Training Material
- Exercise

National Mitigation Plan (RAN-GRK)

**Bottom-up:**  
Provinces develop mitigation action plan (RAD-GRK) with local context

**Top-down:**  
National plan (RAN-GRK) as reference for provinces



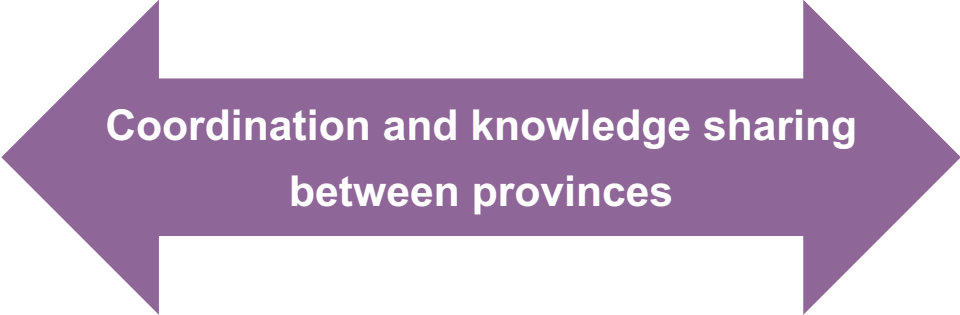
RAD-GRK

RAD-GRK

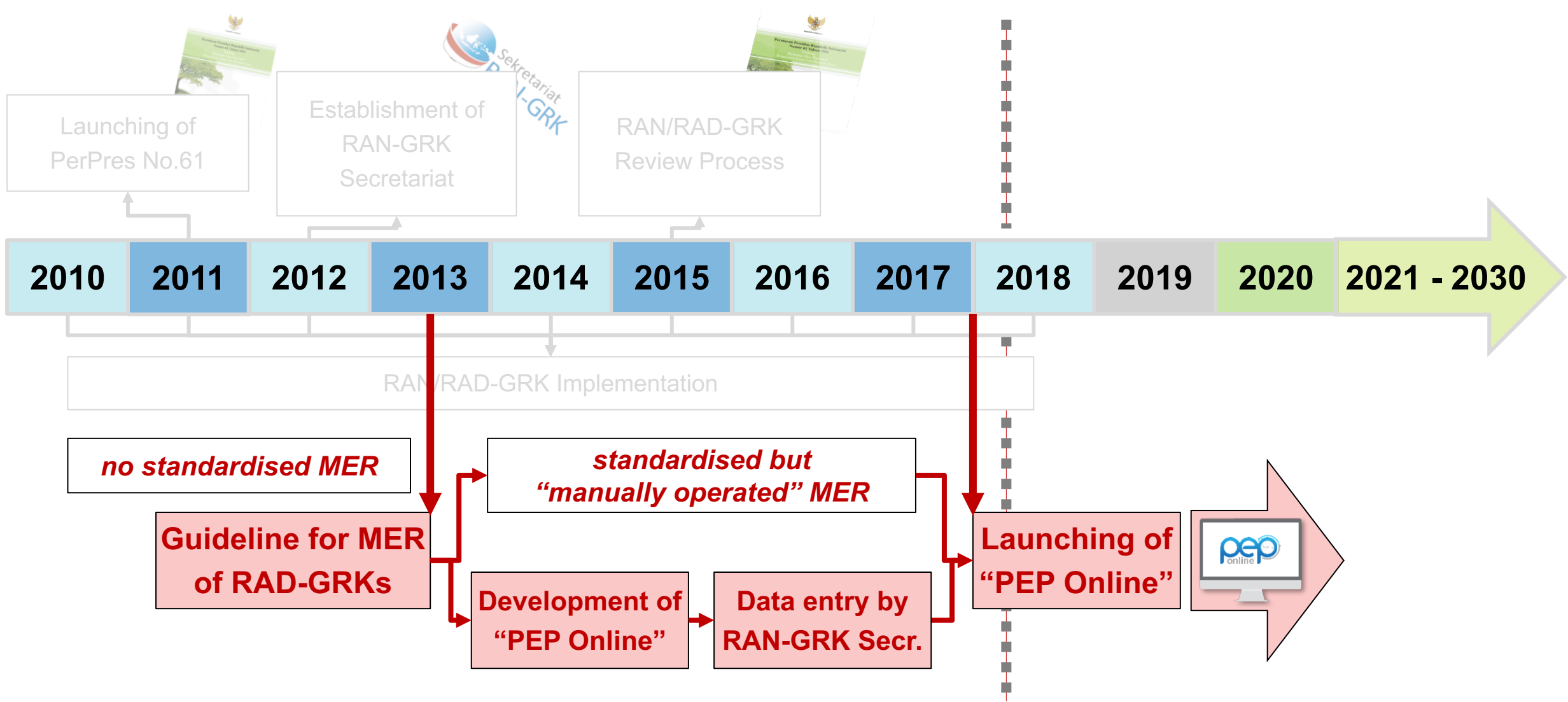
RAD-GRK

## Provincial Level

(coordination with Districts & Cities)



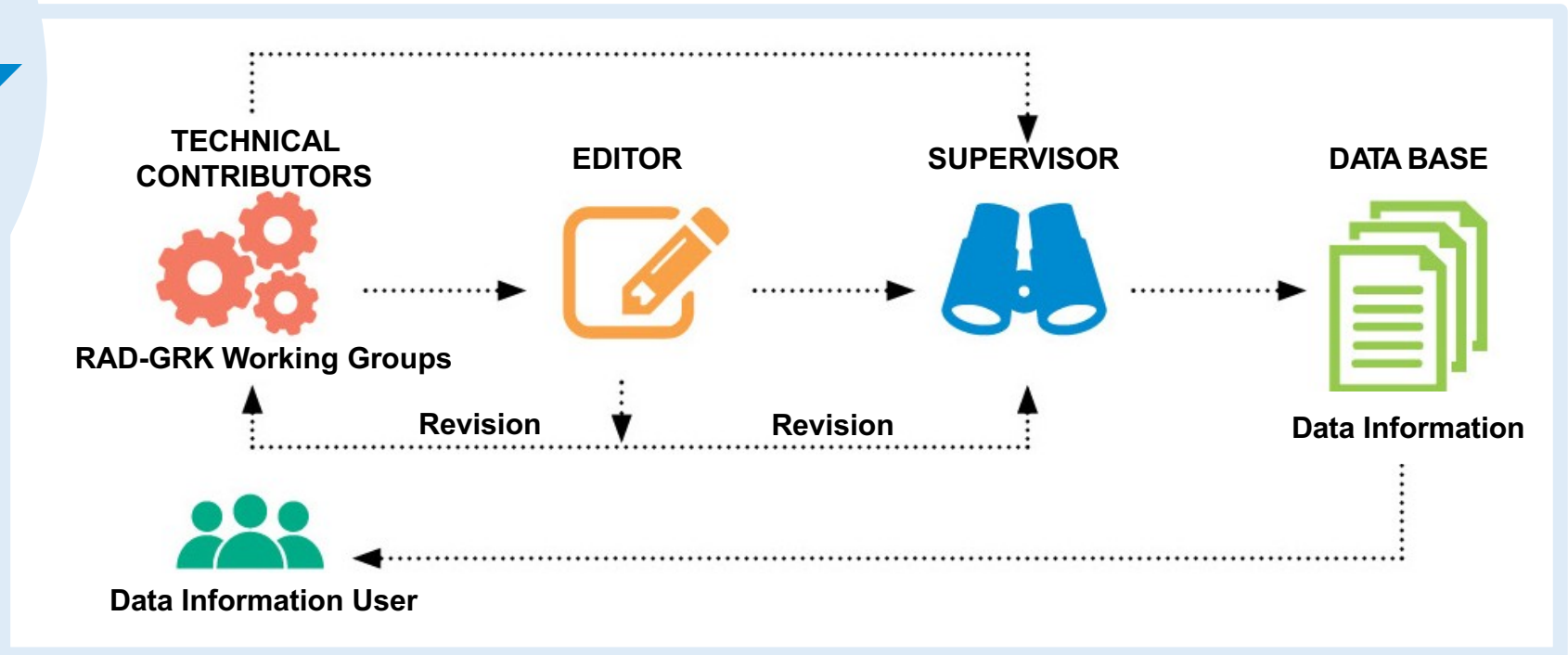
# Monitoring, Evaluation and Reporting (MER)



# MER by “PEP Online”

Implementation of adaptive climate change mitigation action through periodic evaluation system towards the achievement of Indonesia’s mitigation targets

Stimulate greater participation through open, simple, accurate, and easily understood climate change mitigation data information



# PEP PPRK ONLINE

PLAN-MONITOR-EVALUATE-REPORT

*An informed, inclusive and integrative Indonesia's low carbon development system*



<http://pep.pprk.bappenas.go.id>

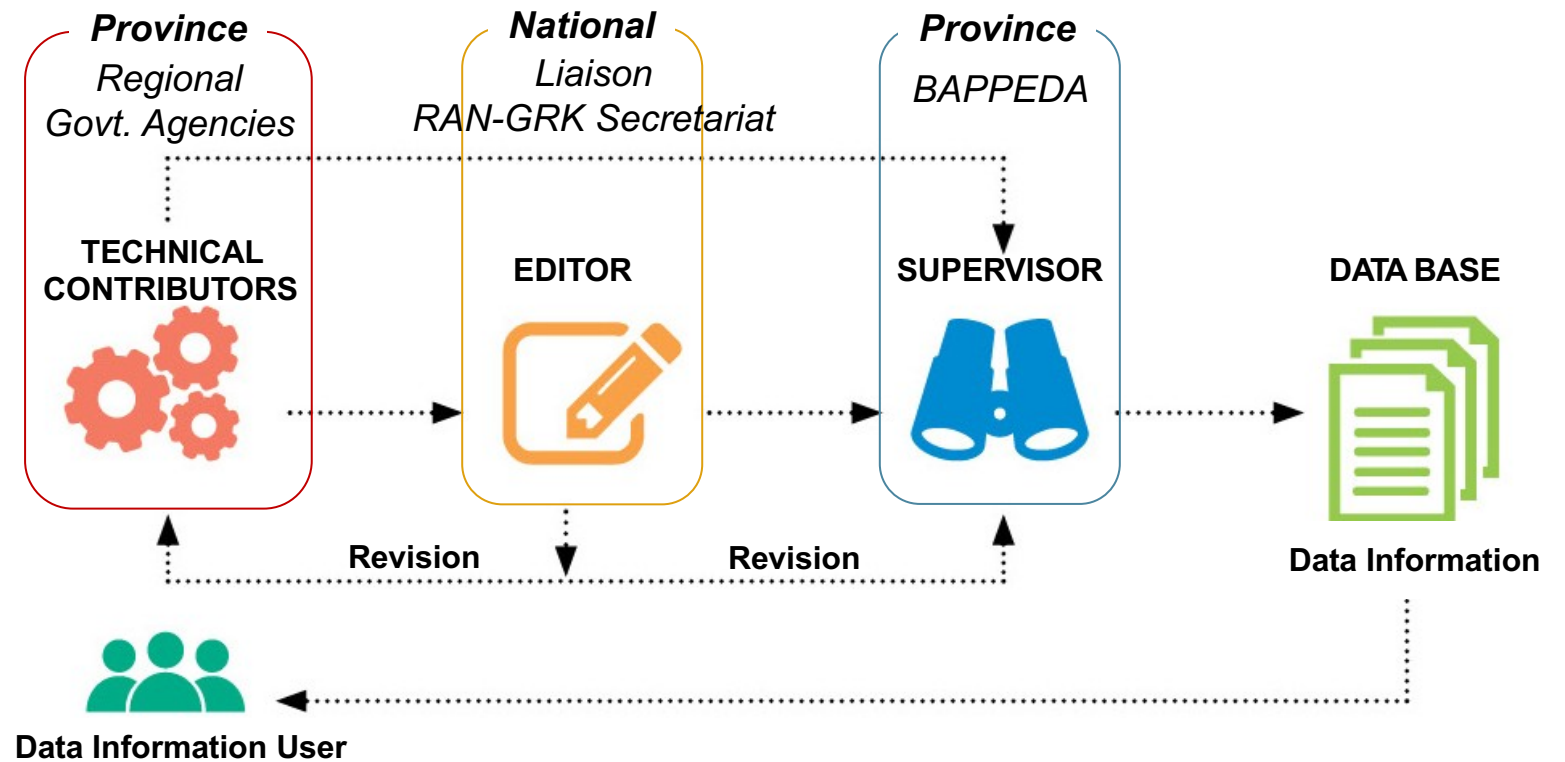
# Data entry process of MER Online at provincial level

**Provincial Working Group  
of RAD-GRK**

Coordinator  
BAPPEDA  
(Regional Development  
Planning Agency)

Members  
Regional Govt Agencies

- Energy
- Agriculture
- Forestry
- Waste



# Format for data entry of MER Online at sub-national level

1. General information

2. Data sources

3. Location of activity

4. Technical data input

## Langkah 1 dari 3

1.1 Informasi Umum

1.2 Data Umum Kegiatan Mitigasi

1.3 Informasi Alokasi/Realisasi Anggaran

**1.1 Informasi Umum**

Silakan memilih jenis dan sektor pelaporan kegiatan mitigasi yang hendak dilaporkan.

**Kegiatan \***

RAD

**Tipe kegiatan \***

Pilih tipe kegiatan Inti atau Pendukung.

**Tahun Pelaporan \***

**Bidang Mitigasi \***

**Sub-bidang Mitigasi \***

**Kategori \***

**Tingkat Kedetilian Data \***

Optional. Pilih jenis tingkat kedetilian data teknis yang tersedia.

[Selanjutnya](#)

## Langkah 2 dari 3

**Form Sumber Data**

Silakan tambahkan informasi sumber data. Sumber data yang dapat ditambahkan jika menggunakan dokumen terkait. Langkah ini dapat dilewatkan jika tidak mempunyai dokumen terkait.

**Sumber Data 1**

**Sumber Data**

**Judul Sumber Data**

**Tahun**

**Berkas**

No file chosen

**Tautan URL File**

Tautan URL langsung menuju file (jika dapat diunduh).

Tambahkan Sumber Data

[Langkah Pertama](#) [Langkah Sebelumnya](#)

## Langkah 3 dari 3

**Form Data Lokasi Kegiatan Mitigasi**

Silakan tambahkan lokasi kegiatan mitigasi. Jika kegiatan dilakukan di lebih dari 10 lokasi, lokasi lain dapat ditambahkan pada menu edit halaman aksi mitigasi.

**Lokasi Kegiatan Mitigasi 1**

**Kabupaten kota**

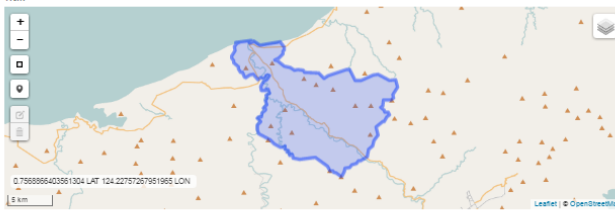
**Kecamatan**

**Desa**

**Lintang (LAT)**

**Bujur (LON)**

**Titik**



0.7660866403561304 LAT 124.2278726791966 LON

8 km

Leaflet | © OpenStreetMap contributors

Tambahkan Lokasi Kegiatan Mitigasi

## Langkah 4 dari 4

**Form Pembangunan PLT Biogas POME**

Penjelasan mengenai form ini.

**Jenis Aksi Kegiatan \***

**Daya Terpasang \***

dalam MW

**Laju Alir Limbah POME \***

dalam m<sup>3</sup>/hari

**Kualitas COD \***

dalam ppm

**Operating Hours \***

[Langkah Pertama](#) [Langkah Sebelumnya](#)

# Dashboard MER Online at sub-national level

Dashboard will only show data that  
have **APPROVED/ FINAL** status

Kementerian PPN/ Bappenas  
Sistem Pemantauan, Evaluasi dan Pelaporan Aksi Mitigasi Perubahan Iklim

admin

Menu Admin

- Kelola Tim
- Daftar Pelaksana Nasional
- Profil Provinsi
- Daftar Nama Dinas Provinsi
- Daftar Konstanta Emisi Peta
- Daftar Referensi Sumber Data
- Perbarui Perhitungan Rekap dan Evaluasi
- Kosongkan Isi Direktori "temp"
- Import Kegiatan Mitigasi

Akun Saya

- Pengaturan Akun
- Profil Saya
- Pesan
- Notifikasi
- Lini Masa

Perencanaan

- Data RAN
- Data RAD
- Data Rekap RAN
- Data Rekap RAD

Pemantauan

Beranda > Dashboard

PERHATIAN » Media informasi PEP Online untuk pelaporan aksi mitigasi ini masih dalam proses pengembangan, segala data dan informasi yang ada belum merupakan data final. Dilarang untuk memakai atau menggunakan data ini untuk keperluan apapun.

IMPORTANT! » Web application platform MER Online is still on development phase, please DO NOT use data and information from this website for any purpose

Filter Aksi Mitigasi [ Tahun Awal: 2012; Tahun Akhir: 2017; ]

Provinsi: Semua Provinsi | Bidang Mitigasi: Semua Bidang Mitigasi | Sub-bidang Mitigasi: Semua Sub-bidang Mitigasi | Tahun Kegiatan Awal: 2012 | Tahun Kegiatan Akhir: 2017 | Sumber Baseline: RAD GRK 2012

Tipe Aksi: RAD

Filter

Defar Aksi Mitigasi

- Evaluasi
- Lihat Analisis Kinerja Capaian
- Pelaporan
- Daftar Dokumen Pelaporan
- Support Chat
- Mulai Chat
- Lainnya
- Publikasi

Penurunan Emisi [terakhir diperbarui: 3 Mei 2017, 16:00]

Total Penurunan Emisi: 1,061,385 Ton CO<sub>2</sub>e Dari 236 Kegiatan Mitigasi

Perentase Serapan Emisi Bidang Lahan Dibandingkan Dengan Baseline: -

Perentase Penurunan Emisi Bidang Energi Dibandingkan Dengan Baseline: -

Perentase Penurunan Emisi Bidang Limbah Dibandingkan Dengan Baseline: -

Total Penurunan Emisi Bidang Lahan: 212,463 Ton CO<sub>2</sub>e Dari 223 Kegiatan Mitigasi

Total Penurunan Emisi Bidang Energi: 0 Ton CO<sub>2</sub>e Dari 0 Kegiatan Mitigasi

Total Penurunan Emisi Bidang Limbah: 0 Ton CO<sub>2</sub>e Dari 0 Kegiatan Mitigasi

Grafik Kontribusi Sektorial Terhadap Penurunan Emisi

- Bidang Lahan: 100%
- Bidang Energi: 0%
- Bidang Pengelolaan Limbah: 0%

Grafik Trend Penurunan Emisi

Baseline Kumulatif (Ton CO<sub>2</sub>e) vs Emisi Aktual (Ton CO<sub>2</sub>e) vs Tahun Pelaporan (2012-2017)

Map: Papua New Guinea (Legend: Bidang Energi, Bidang Lahan, Bidang Limbah)



# Information for Public Access

## Total Aksi Mitigasi

**6464**

Aksi Mitigasi

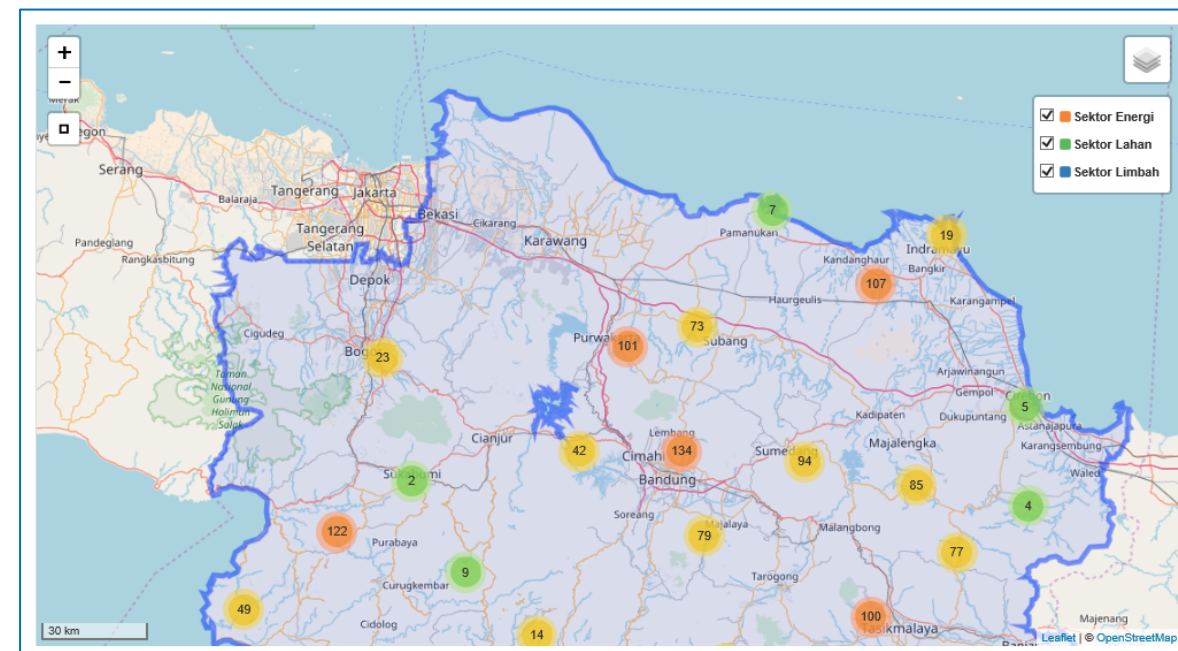
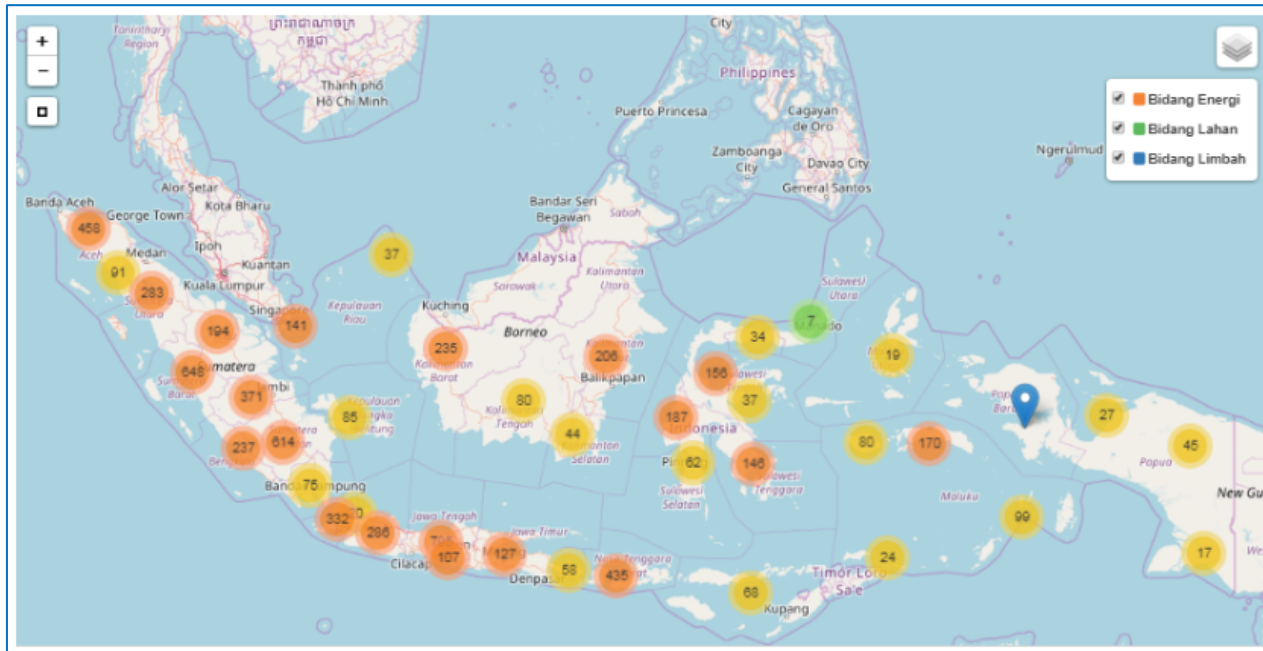
## Penurunan Emisi

**1419,986**

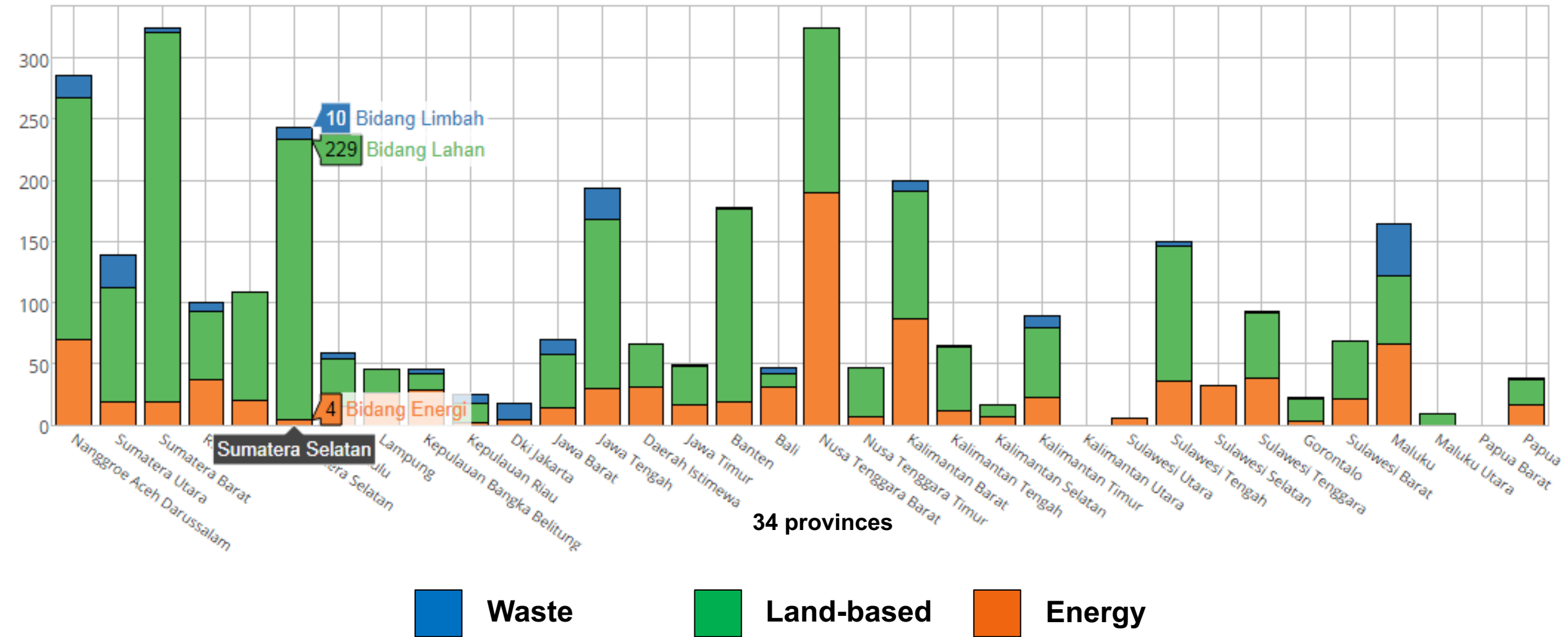
(MTon CO<sub>2</sub>eq)

**13,46%**

Sampai 2016



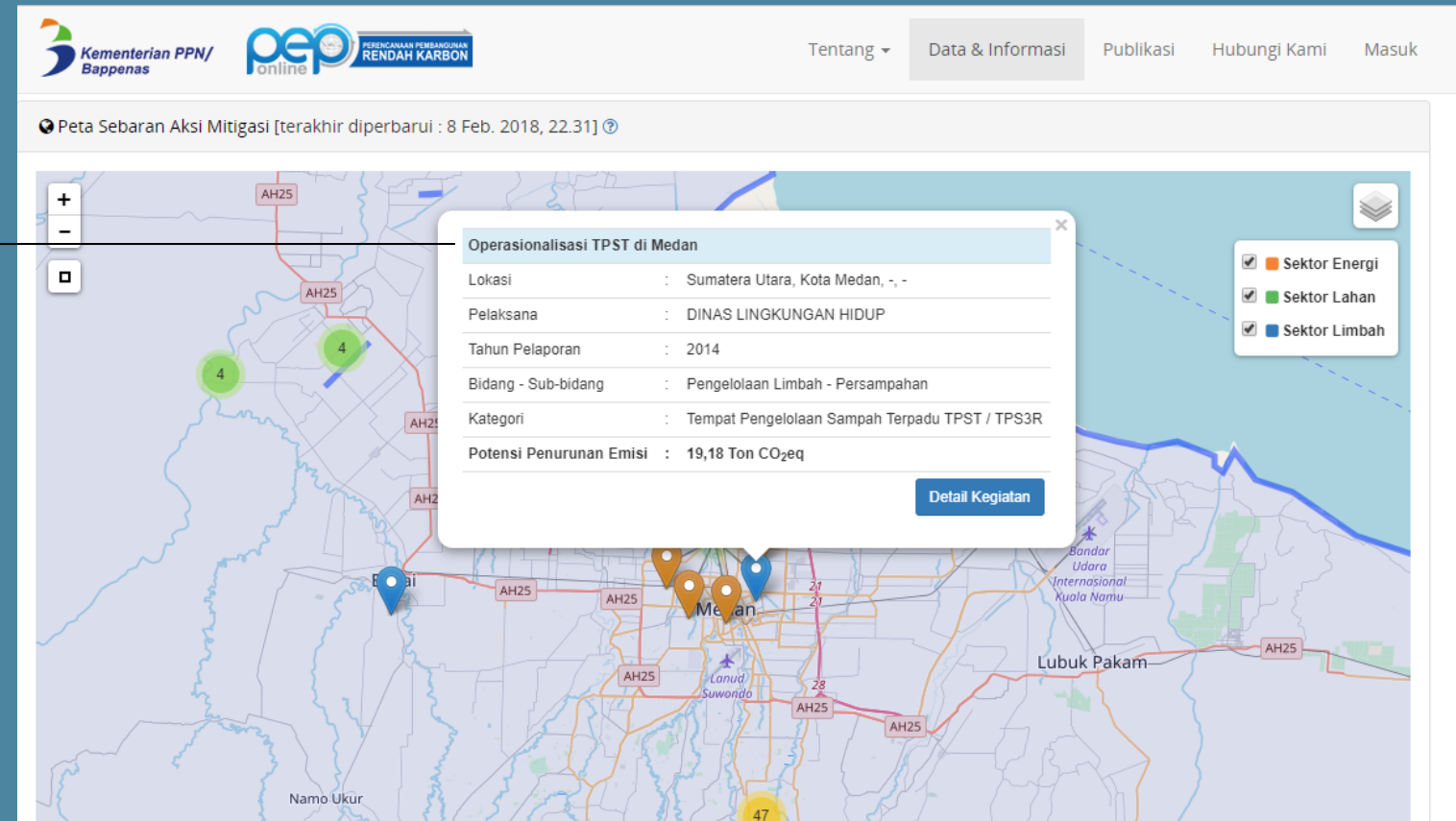
# Number of mitigation activities at sub-national level (since 2010)



# Example: Mitigation action in Medan City, North Sumatera

## Operationalization of Integrated Waste Disposal at Medan City

Location : Medan City, North Sumatera  
Authority : Environment Agency  
Year : 2014  
Sector : Waste  
Category : Integrated Waste Disposal / 3R  
Emission Reduction Potential: **19,18 Ton CO<sub>2</sub>eq**



# Status of Indonesian GHG Emissions Reduction Potential



Land-based



Agriculture



Energy



Transportation

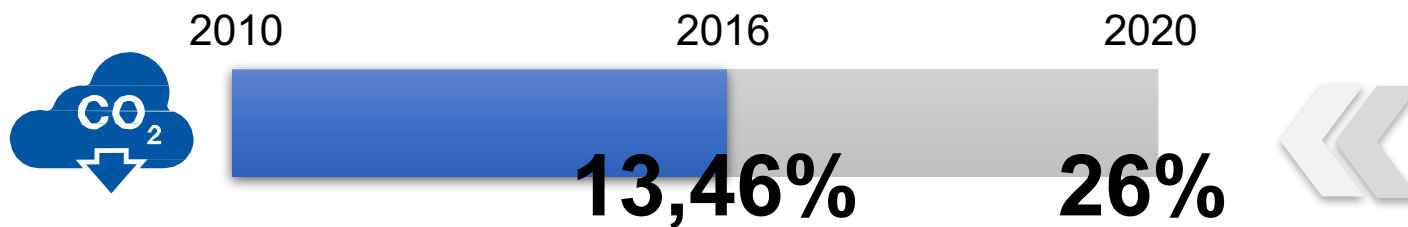


Industry



Waste

**Presidential Regulation No. 61/2011,  
supported by 34 Provincial Governments**



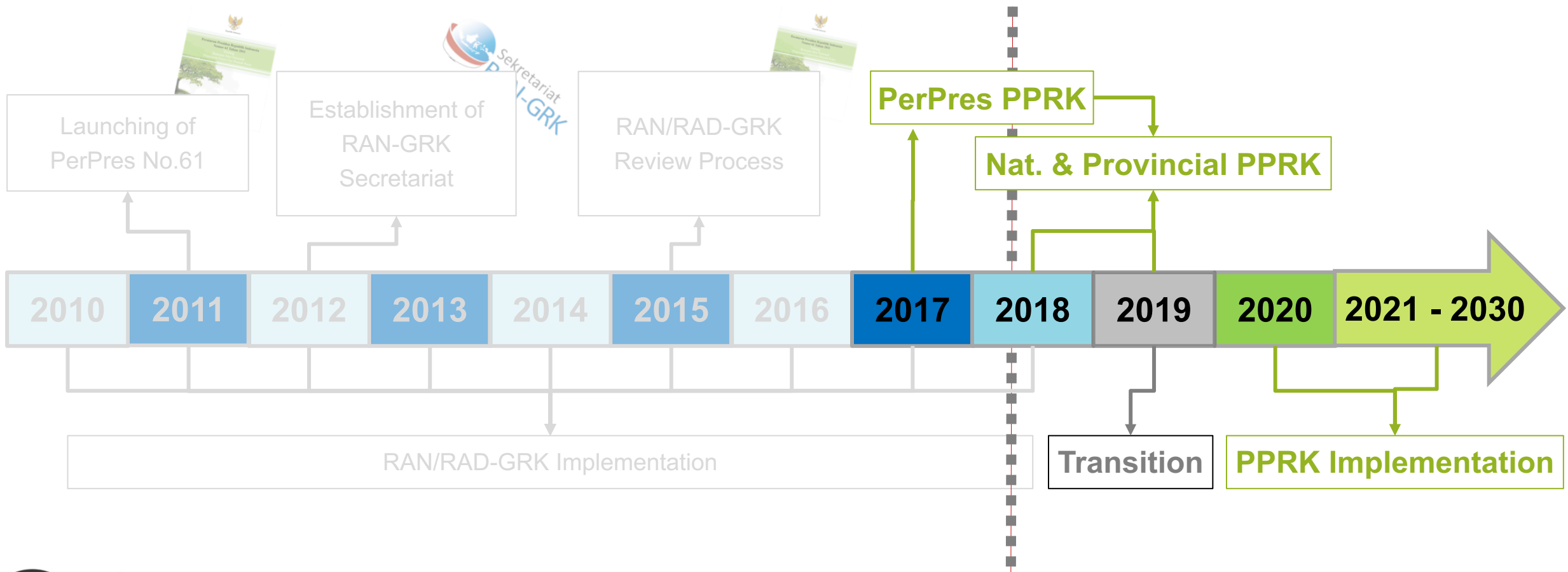
**\*progress achievement of GHG emission reduction potential**

Involve related ministries, local governments, and other institutions through coordination the implementation and reporting on activity to reduce the GHG emission

## ADDITIONAL SLIDES

# New Presidential Regulation on “Low-Carbon Development Planning (PPRK)”

as replacement for Presidential Regulation 61/2011: National Action Plan for Reducing GHG Emission (RAN-GRK)



# New concept of PPRK

**Presidential  
Regulation No.61/2011**



**New PPRK**



**OUTCOME**



**DEVELOPMENT EQUITY**



**Economic growth**



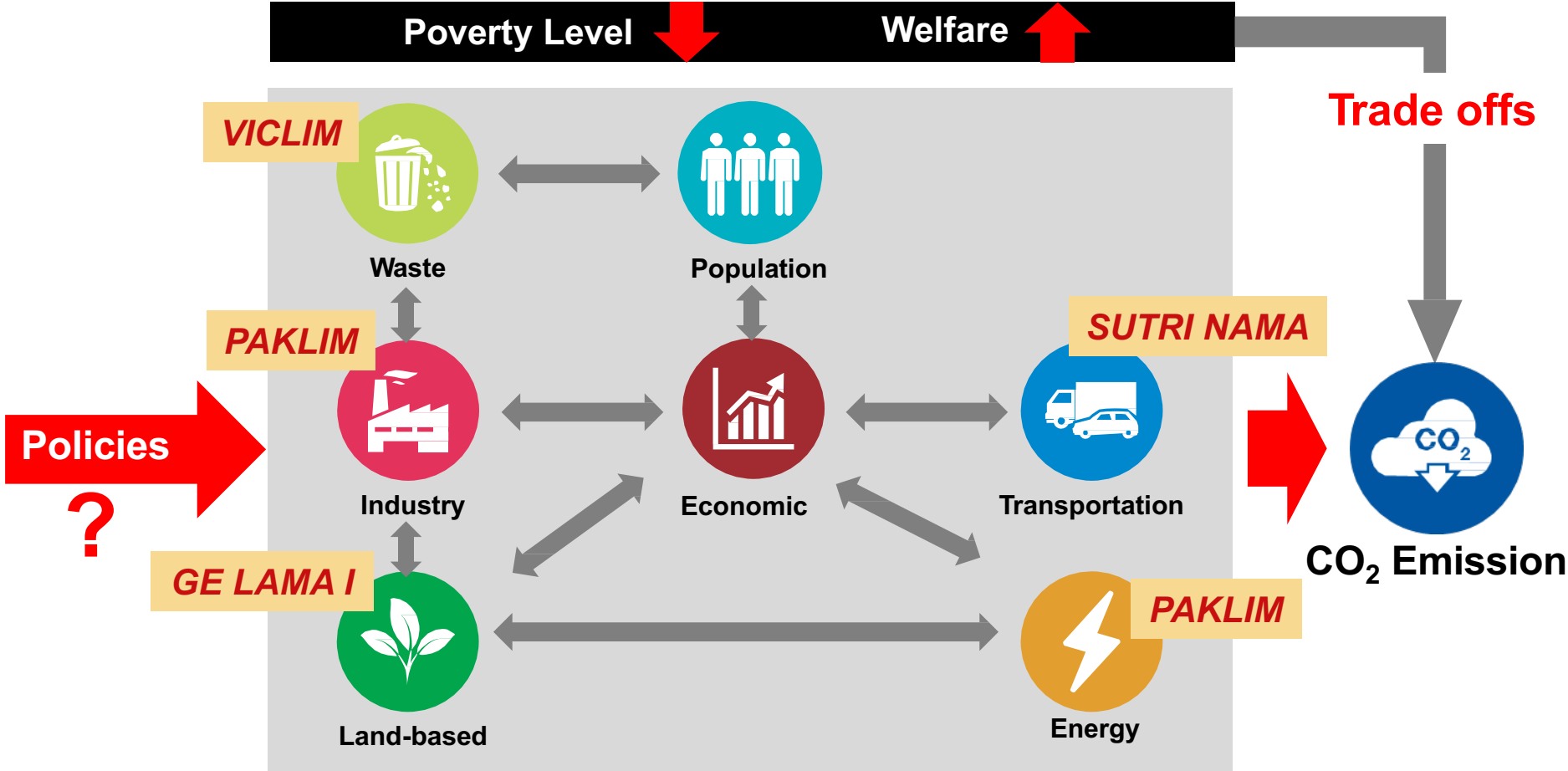
**Poverty alleviation**



**Reducing  
GHG emission effort**

**Both mid and long-term policy**

# Components of Low Carbon Development Planning



Analyse impacts from mitigation policies on economic growth, welfare and poverty level

Trade offs between CO<sub>2</sub> emission reduction with welfare increase and poverty level decrease, using System Dynamics

*\*) GIZ supported projects in Indonesia*





# Thank you for your attention!



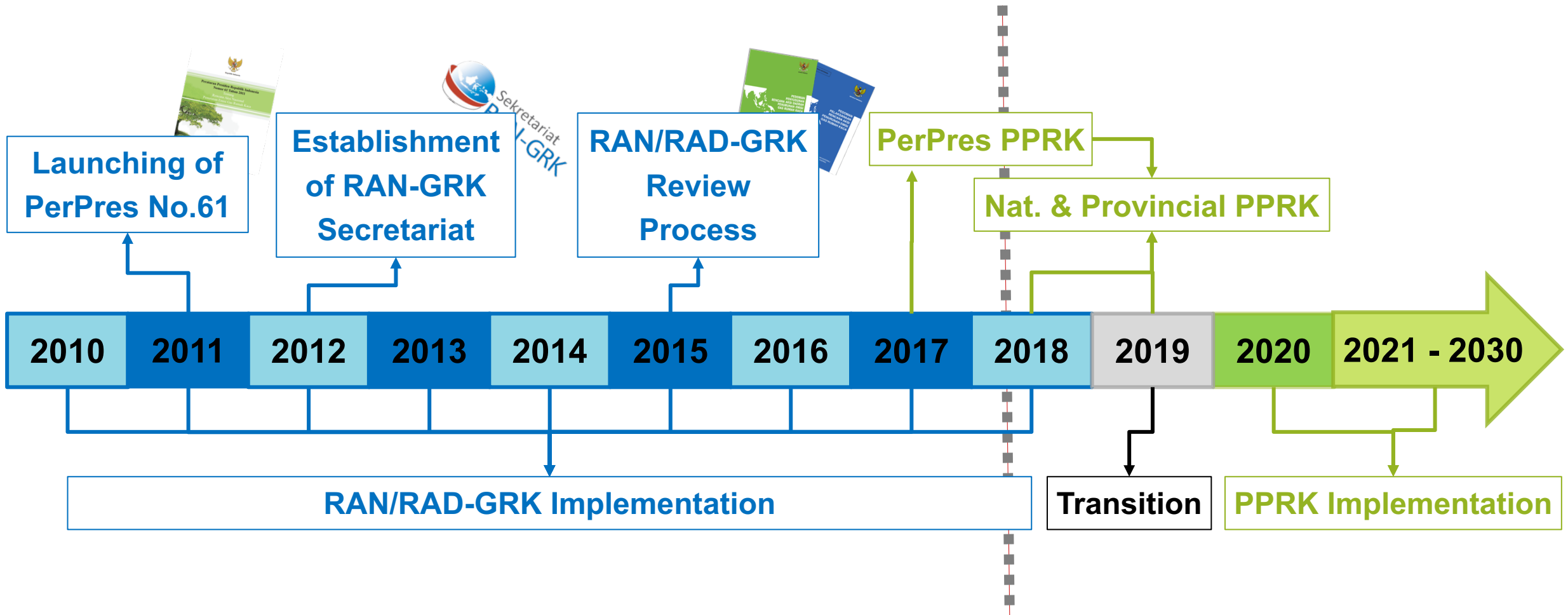
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# BACKUP SLIDES

# Timeline

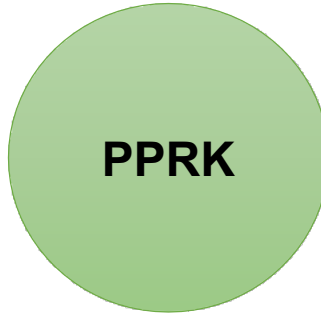


# RAN-GRK

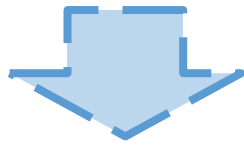
# PPRK

**Paradigm shift of climate change mitigation concept**

Reduce emissions by 26% from Baseline in 2020





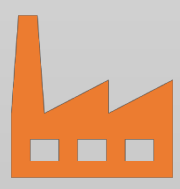
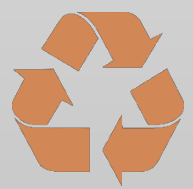
Reduce emissions by 26% from Baseline in 2020 and by 29% from Baseline in 2030







**National Action Plan on GHG Emission Reduction**

**Low Carbon Development Planning**



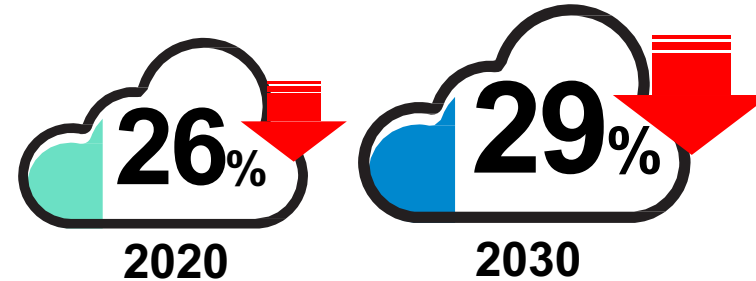
	  
<b>Baseline and target of GHG emissions reduction by 2020</b>	<b>GHG emissions reduction mitigation action</b>

			
<b>Baseline and target of GHG emissions reduction by 2030</b>	<b>GHG emissions reduction mitigation action</b>	<b>Economy development</b>	<b>Poverty alleviation</b>

# Objectives of Low Carbon Development Planning



Maintain the balance between the targets of National Development (economic growth, poverty alleviation, and GHG Emission Reduction)



Mainstreaming climate change action into national development planning and secure the emission reduction target at 26% by 2020 and 29% by 2030

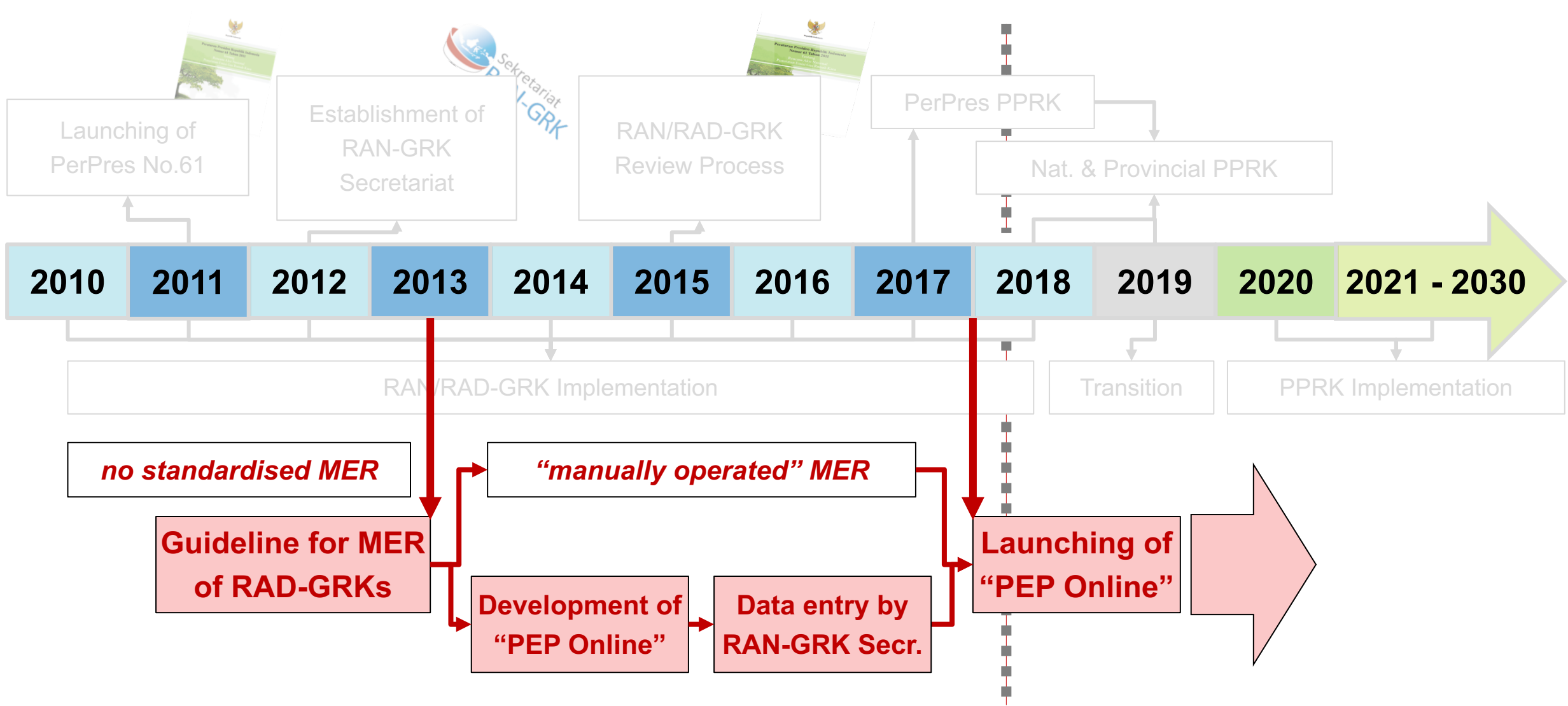


Promote and mainstreaming the green development policy at sectoral and spatial level to 5-year Development Plans



Support the target of Indonesia SDGs (Presidential Regulation No.59/2017)

# Monitoring, Evaluation and Reporting (MER)



# Total emissions reduction potential (in Mio. t CO<sub>2</sub> eq.) from national and subnational mitigation actions (since 2011)

