

"APN, LoCARNet and AIT/RRC.AP Capacity Building Workshop and Science-Policy Dialogue on Low Carbon Development" 6 February 2017



Achieving Thailand's Nationally Determined Contributions: National Perspective



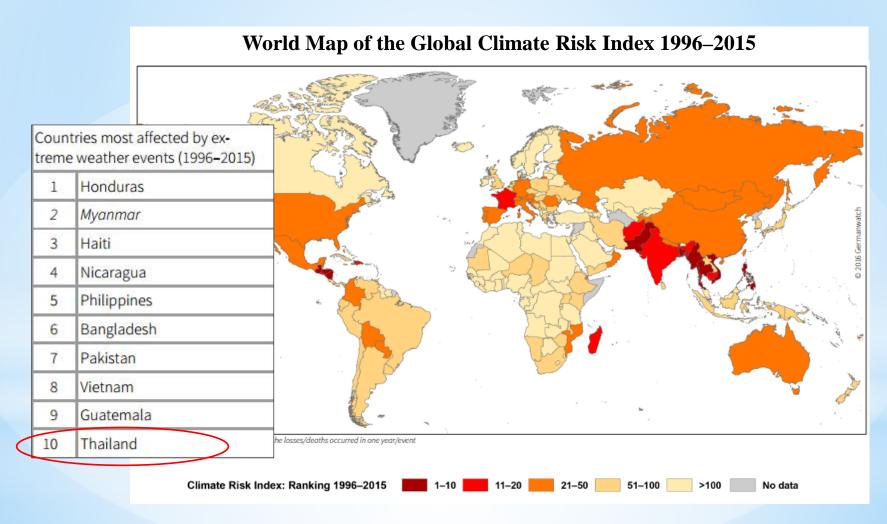
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Presentation Outline

- Thailand Climate Change Situation and Impacts
- Paris Agreement
- Thailand Climate Change Mitigation
- Thailand's INDC Formulation
- NDC Roadmap on Mitigation 2021-2030

Thailand Climate Change Situation



Source: Germanwatch and Munich RE NatCatSERVICE

Overview of Thailand Climate Change Impacts





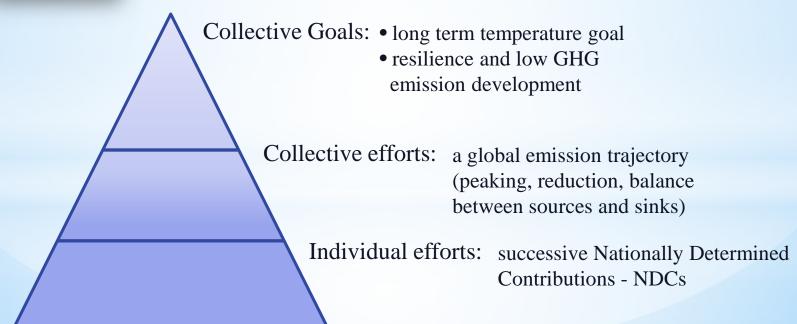




Paris Agreement



- The Paris deal is the world's first comprehensive climate agreement
- Adopted by consensus at COP21
- Went into effect on 4 November 2016



Thailand's Response to the Paris Agreement

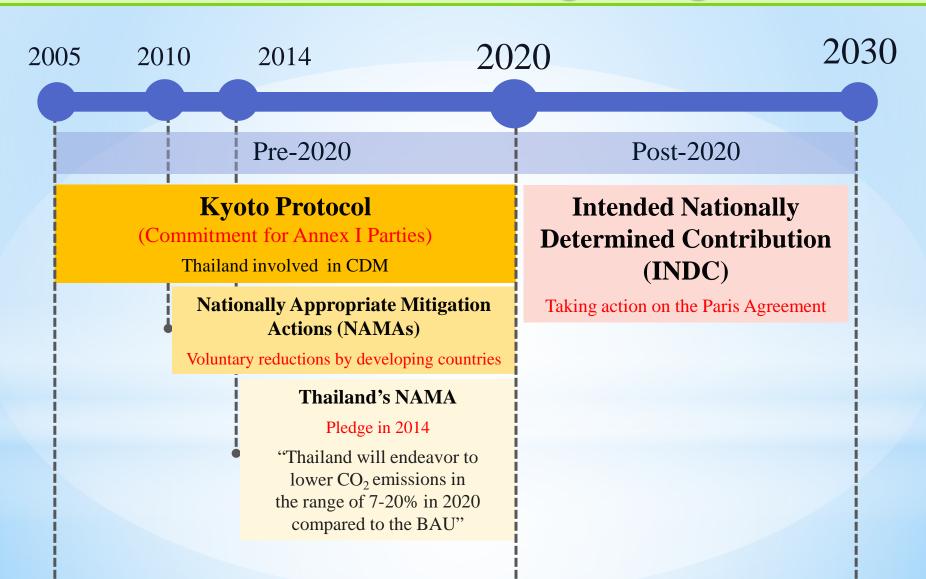
Ratified the Pasis Agreement on 21 September 2016



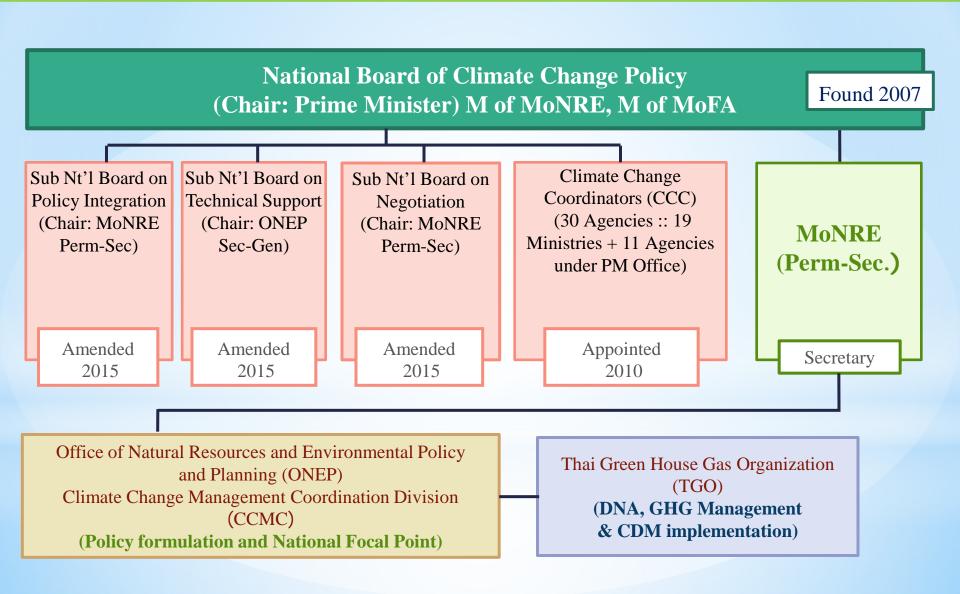


Signed the Paris Agreement on 22 April 2016

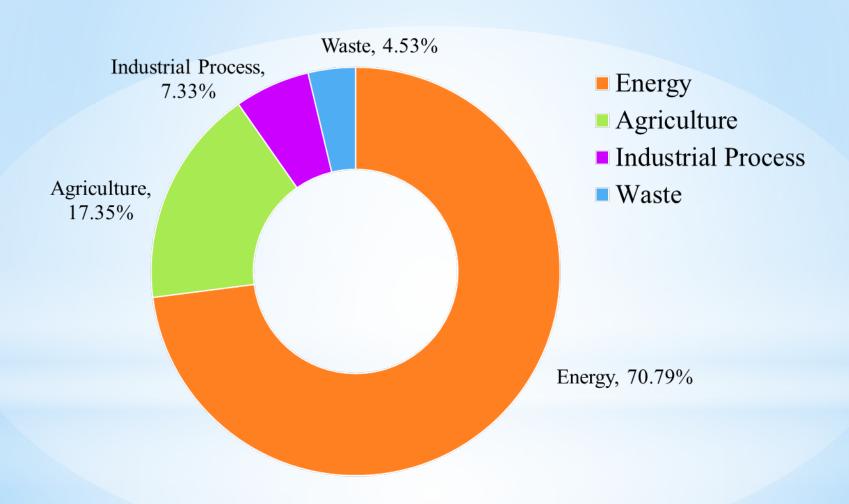
Thailand Climate Change Mitigation



National Structure of Climate Change



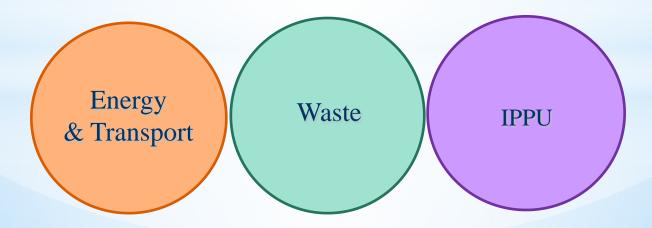
Total GHG Emissions (excluding LULUCF) by Sector



Ref. First Biennial Update Report

Thailand's INDC Formulation

- Consistent with the Philosophy of Sufficiency Economy and the principle of Sustainable Development
- Integration of national policies and plans
- Focus on plans which be driven by the government
 - support remodel towards sustainable development
 - lead to the actual implementation and evaluation
- Continue on the NAMAs activties



Climate Change Mitigation

Statement by H.E. General Prayut Chan-o-cha (Ret.),

Prime Minister of the Kingdom of Thailand at the General Debate of the 70th Session of the United Nations General Assembly New York, **29 September 2015**

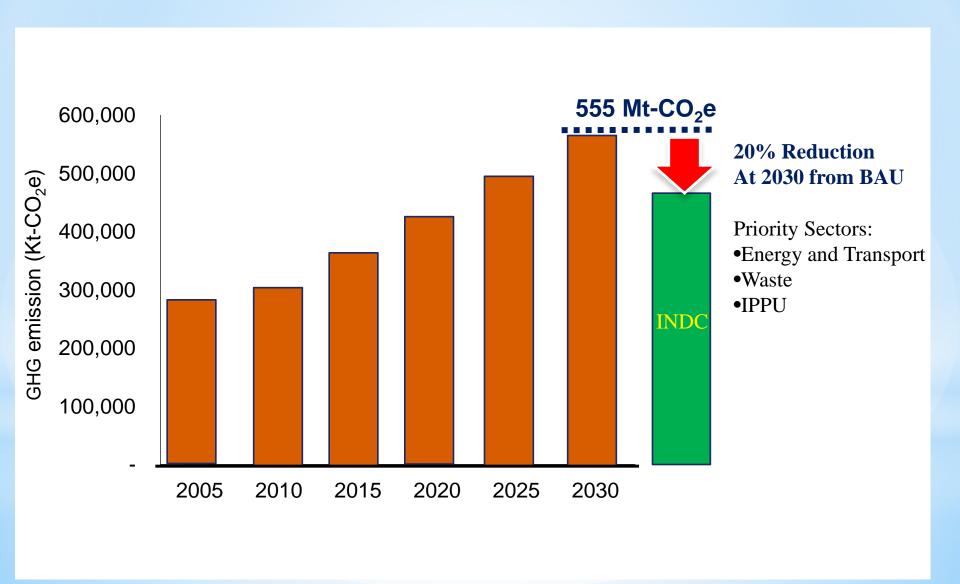


"THAILAND INTENDS TO REDUCE GREENHOUSE GAS EMISSIONS BY 20% FROM BAU LEVEL BY 2030"

The level of contribution could increase up to 25%

subject to adequate and enhanced access to technology development and transfer, financial resources and capacity building support through a balanced and ambitious global agreement under the UNFCCC

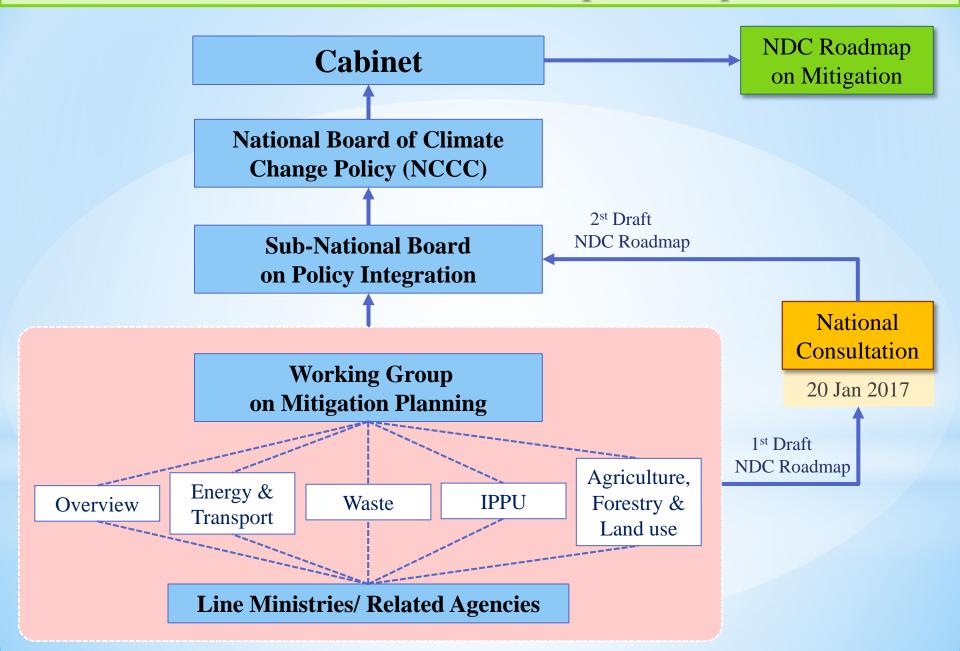
Thailand's INDC



Comparison of INDCs

Country	EU	US	China	South Korea	Singapore	Japan	Vietnam	Thailand
Reduction Target	40%	26-28%	60-65%	37%	36%	26%	8-25%	20-25%
Туре	Absolute reduction	Absolute reduction	Carbon intensity	Reduction from BAU	Carbon intensity	Absolute reduction	Reduction from BAU	Reduction from BAU
Base year	1990	2005	2005	-	2005	2013FY	BAU (2010)	BAU (2005)
Target Year	2030	2025	2030	2030	2030	2030FY	2030	2030
Scope	Economy- wide	Economy- wide	Economy- wide	Economy- wide	Economy- wide	Economy- wide	Energy, Agriculture & Waste	Economy- wide Exclude Agriculture
Peak year	1979	-	2030	-	~ 2030	-	-	-
Land Use	Yes	Yes	Yes	No	Yes / Small	Yes	Yes	No
Market Mechanism	EU-ETS	No	-	Yes	No / Interest	Yes	-	-
Adaptation	No	No	Yes	Yes	Yes	No	Yes	Yes
Submission Date	6 Mar'15	31 Mar'15	30 Jan'15	30 Jun'15	3 Jul'15	17 Jul'15	30 Sep'15	1 Oct'15

Procedure of NDC Roadmap Development



NDC Roadmap on Mitigation 2021-2030



Plans to Meet Mitigation in NDC

- Power Development Plan, 2015-2036 (PDP2015)
- Thailand Smart Grid Development Master Plan, 2015-2036
- Energy Efficiency Plan, 2015-2036 (EEP2015)
- Alternative Energy Development Plan, 2015-2036 (AEDP2015)
- Master Plan for Sustainable Transport System and Mitigation of Climate Change Impacts
- National Industrial Development Master Plan, 2012-2031
- Waste Management Master Plan (2016 2021)
- Environmental Quality Management Plan, 2017 2021 (EQMP)
- Montreal Protocol Implementation
- RAC NAMA Project

Supporting Measures



Driven Approach

2017 2021

Preparation phase

CABINET

approve

NDC

Roadmap

Line Ministries/ Related Agencies

- develop mitigation action plan
- prepare driven mechanism

ONEP (CC focal point)

- provide driven-action plan to support capacity of implemening agencies
- develop MRV guideline

Bureau of the Budget

support and allocate budget

Implementation phase

Energy & Transport

- Increasing energy efficiency generation
- Renewable energy
- Increasing energy efficiency
- Promoting biofuels

20.4% (113 MtCO₂e)

Waste

- Solid waste management
- Industrial wastewater management
- Municipal wastewater management

0.3% (2 MtCO₂e)

IPPU

- Clinker substitution
- Refrigerant replacement

0.1% (0.6 MtCO₂e)

Reduce GHG emission 20% from BAU level by 2030 (115.6 MtCO₂e)

Monitor and report once a year, according to the MRV guideline

Implementing agencies report progress to ONEP every 6 months

How to Achieve Thailand NDC





Thank You

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