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Outline





- 2) Adaptation Strategies
- 3) Mitigation Strategies
- 4) International Partnerships
- 5) Conclusions



1) Background on Taiwan





Taiwan: Beautiful Formosa

Vulnerable Island with Rich Biodiversity

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Area: 36,000 square kilometers

Population: 23 million

Steep topography:

• 36,000 km² with Jade Mountain close to 4,000m. Covers both the tropical and subtropical zones

Rich biodiversity:

- 50,000 species, 1.5% of the world
- one-third is endemic





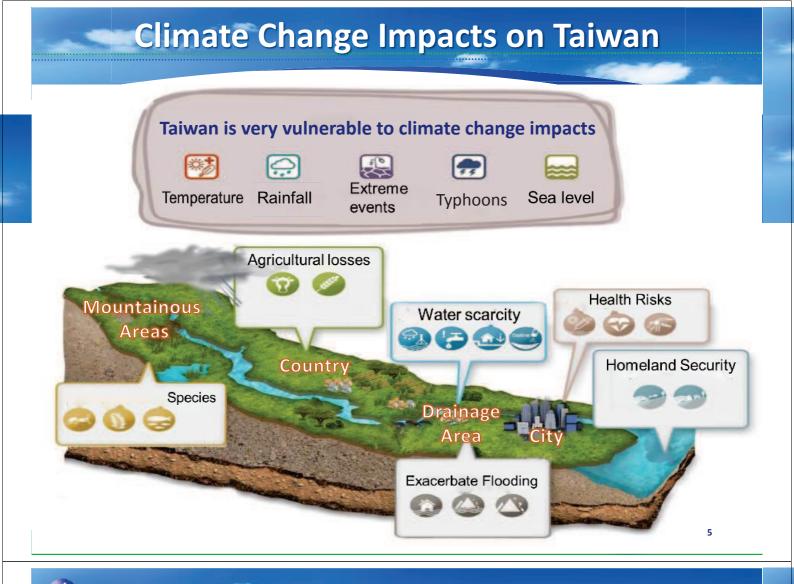












Taiwan's share in global GHG emissions



international trade, mainly composed of Small and Medium Enterprises.

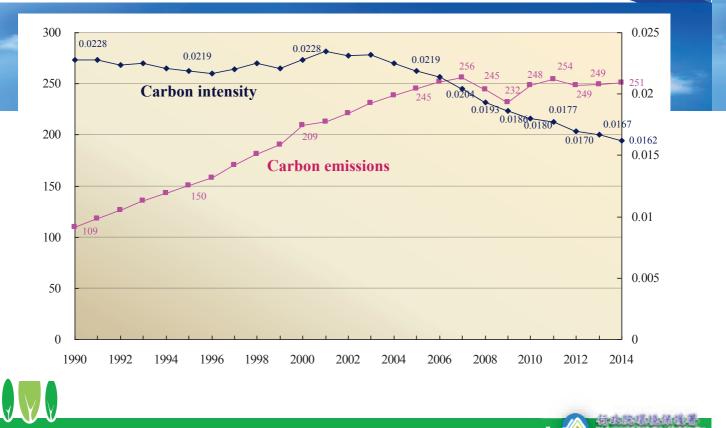
China (PRC)

An island with an independent electricity grid. Imported energy making up over 98% of energy demand.

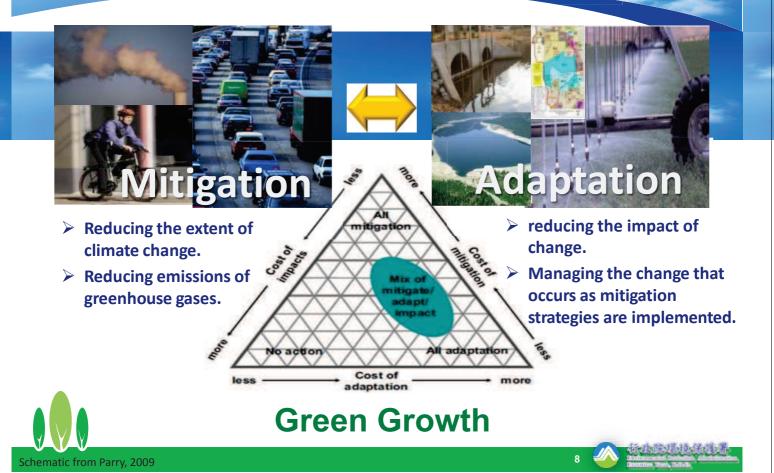


Carbon Emissions in Taiwan

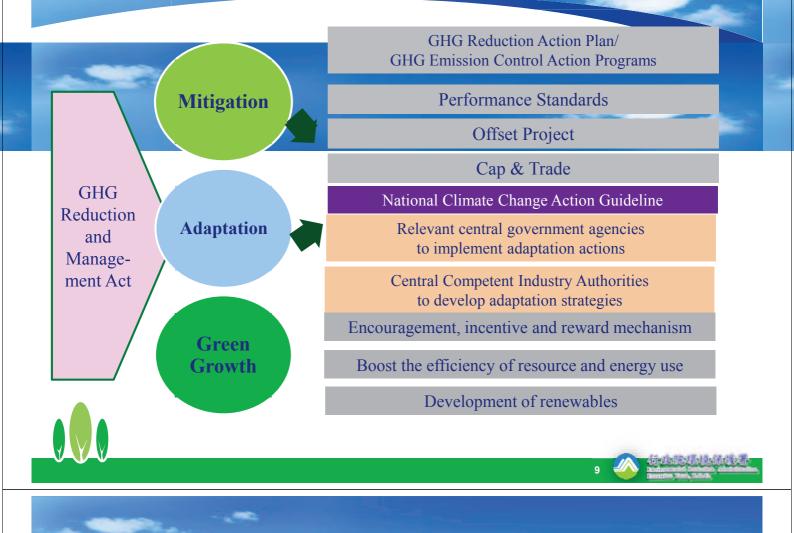
(1990-2014)



Strategies for climate change



Climate Change Legislation



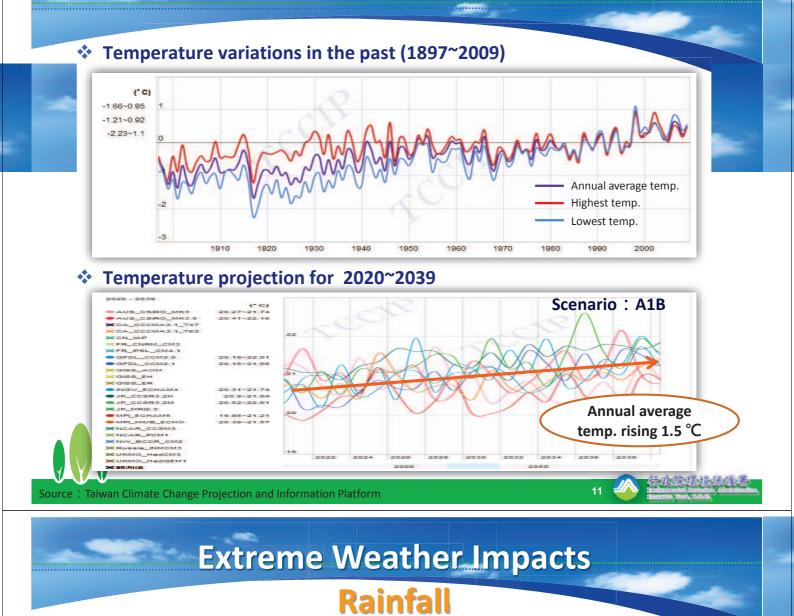
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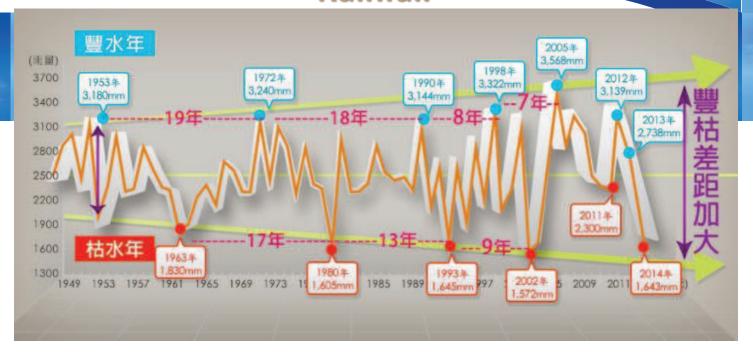
2) Adaptation Strategies and Actions





Climate Change Impacts on Taiwan





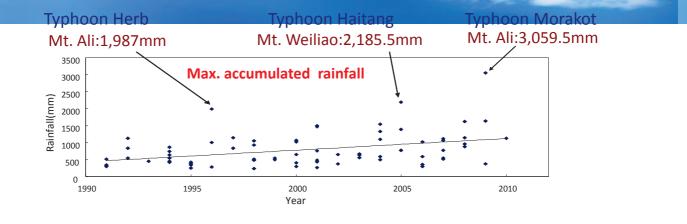
國域保護

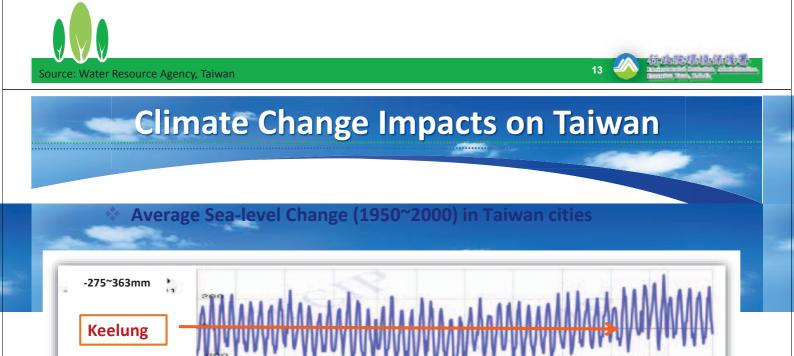
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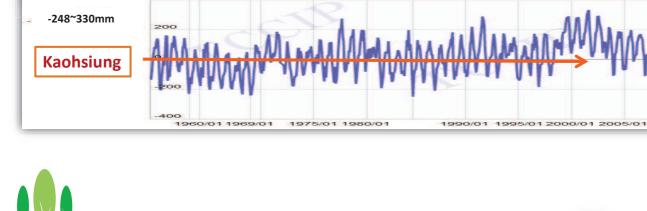


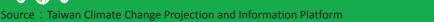
Climate Change Impacts on Taiwan

***** Extreme weather events





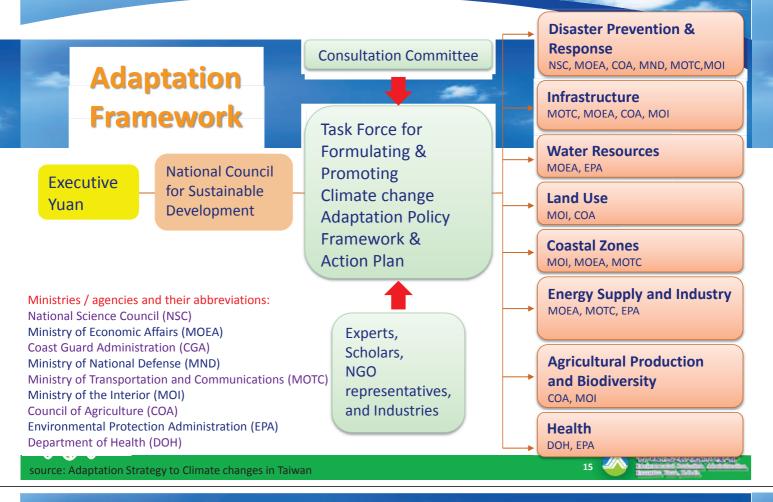




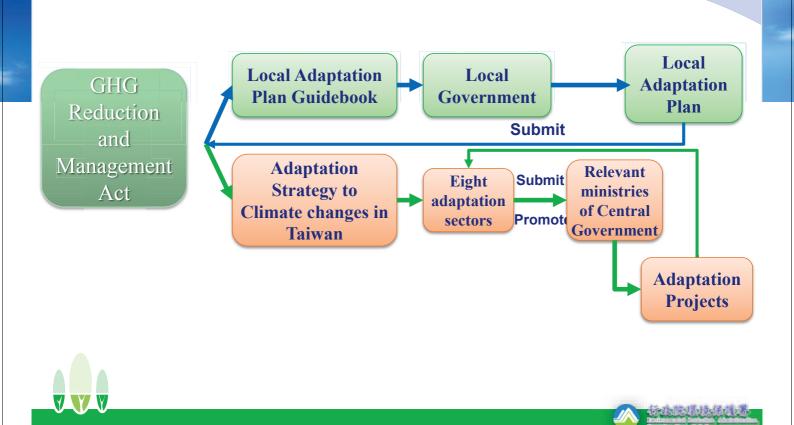
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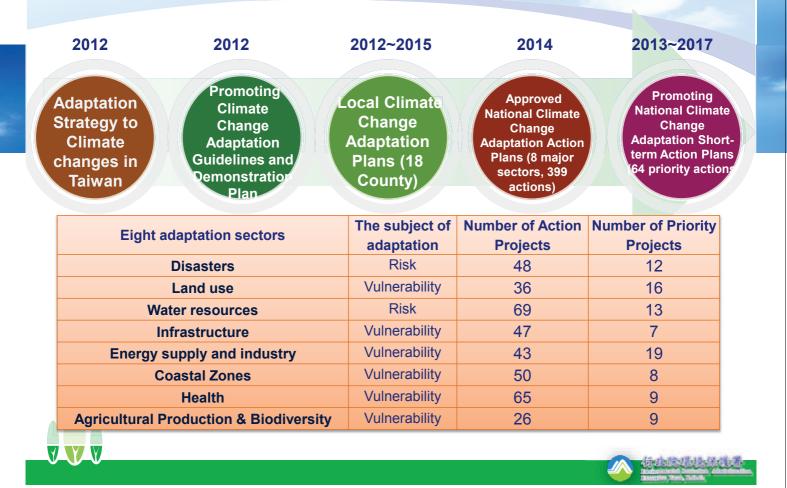
National Adaptation Policy



Promotion of Adaptation Policies



Promotion of Adaptation Policy in Taiwan



Adaptation under GHG Act



Environmental Protection Administration (EPA)

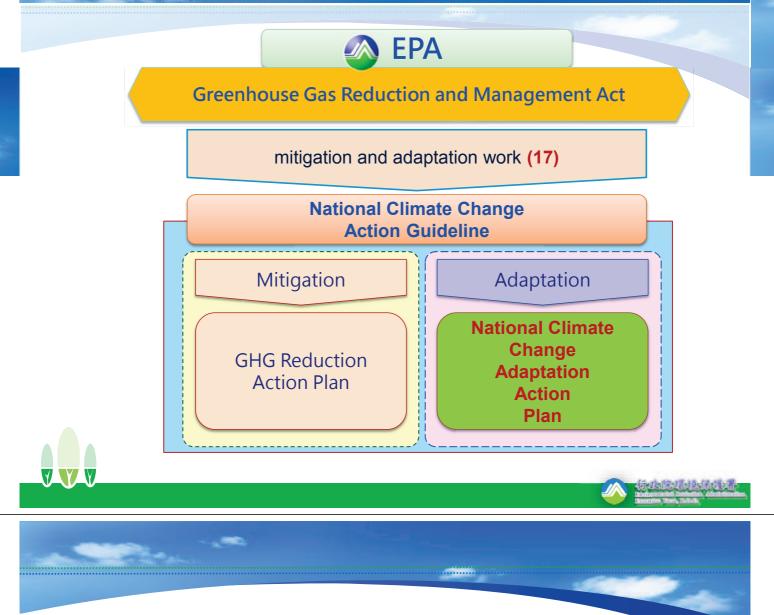
"Greenhouse Gas Reduction and Management Act"

Article 1	Setting adaptation strategy of climate change
Article 8	Work of climate change adaptation
Article 9	National Climate Change Action Guideline
Article 13	Assessment of climate change impact
Article 19	GHG Management Fund
Article 27	Grants or subsidies management method





Adaptation under GHG Act

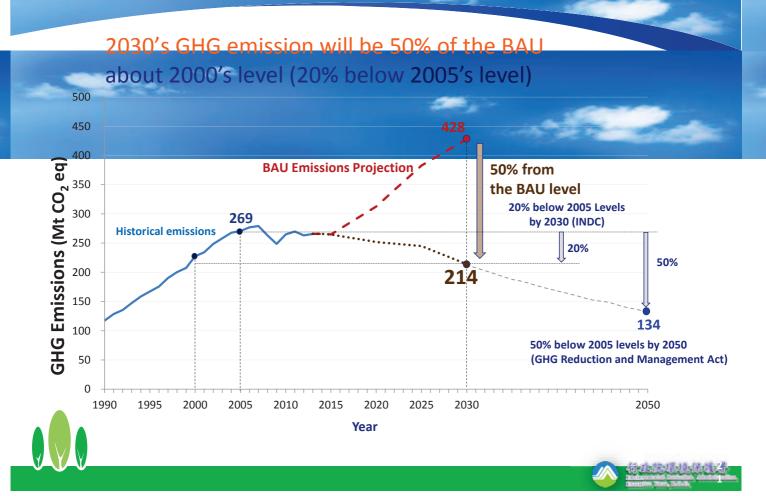


3) Mitigation Strategies and Actions





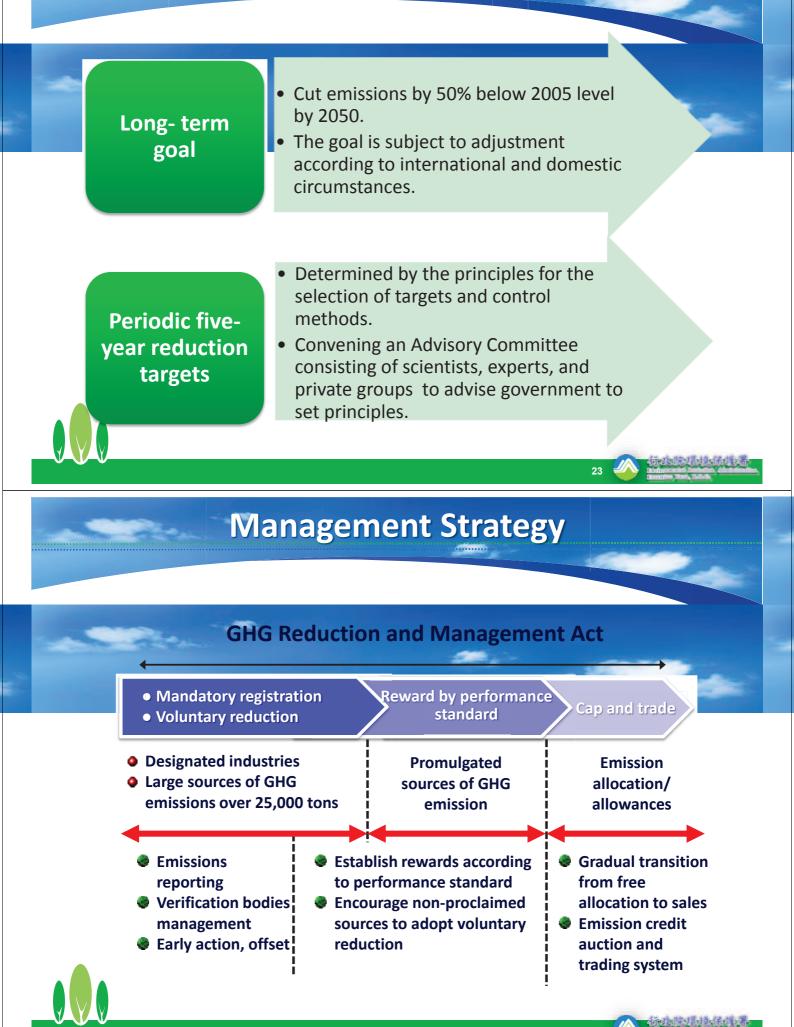
Taiwan's GHG Reduction Goals



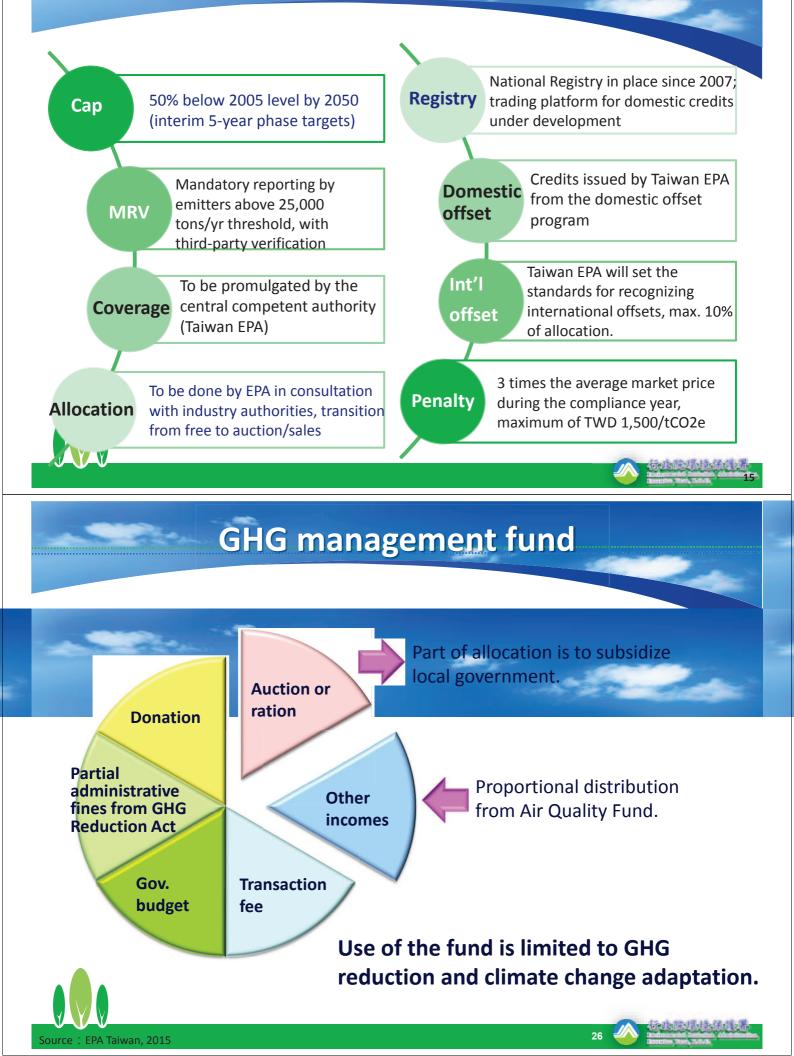
Taiwan's INDC

Emission Target	Greenhouse gas emission reduction (214 MtCO ₂ eq) by 50% from the business-as-usual level (428 MtCO ₂ eq) by 2030	
Scope	Economy-wide	
Gases covered	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃	
Sectors covered	Energy; Industrial processes and product use; Agriculture; Land-use, Land-use change and forestry; Waste	
Assumptions and Methodological Approaches	2006 IPCC Guidelines for National Greenhouse Gas Inventories Global Warming Potential used in IPCC AR4	
Credits from International Market Mechanisms	The emissions reduction target is committed to the domestic measures mostly. Future reduction potential can benefit from being involved in the international market mechanism.	
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Emissions reduction targets



Carbon Market Elements under GHG Act



4) International partnerships



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Collaborative / promotion programs

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Pan Pacific Partnership on Adaptation to Climate Change





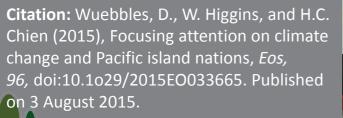


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2014 Adaptation Conference, Taipei

Focusing Attention on Climate Change and Pacific Island Nations

The 2014 Pan Pacific Partnership on Climate Change Adaptation; Taipei, Taiwan, 29 September to 2 October 2014



ht s://eos.org/meeting-reports/focusing-attentionony-limate-change-and-pacific-island-pations



2015 Adaptation Conference, Hanoi

PARTIE CARDENT COMPARE CHANGE

Recognize the importance of partnership on climate change adaptation

Cooperation of EPAT and MIT on Climate Colab project.

Partnership with NOAA on resilience toolkit, coast, climate literacy

Paris COP21



2015: Collaboration with MIT CCI to launch the Climate Colab Project

5) Conclusions

Develop programs and implementation rules under the GHG Reduction and Management Act, with inter-agency and stakeholder consultation.

- With legal framework in place, use carbon pricing to promote green growth and technology export.
- Work with the international community through partnerships to mitigate climate change and adapt to its adverse effects.

For the people and the planet, the time for global action is right NOW.



5) Conclusions

Inaugural address by Taiwan's President Tsai 20 May 2016:

"We will also not be absent on the prevention of global warming and climate change. We will create within the Executive Yuan an office for energy and carbonreduction. We will regularly review goals for cutting greenhouse gas emissions in accordance with the agreement negotiated at the COP21 meeting in Paris. Together with partner nations we will safeguard a sustainable earth."







Global warning: we sink or swim together

-Make Taiwan part of the solution

