

The 4th International Forum on Low Carbon Cities



EFFORTS IN DECARBONIZATION TOWARD THE GOAL OF NET ZERO EMISSIONS BY 2050

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Kitakyushu, Japan, October 7-9, 2024





01

Overview of
Hai Phong city



02

Challenges of climate change
response in Hai Phong city

03

Hai Phong aims for low
carbon

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04

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Conclusion





01

Overview of Hai Phong city



STRATEGIC LOCATION



- Hai Phong is an international seaport city, of economic, political and military significance
- Located on the northeast coast of Vietnam. 102 km from Hanoi and 200 km from the Vietnam-China border.
- It is a port city as well as the main gateway to the sea in Northern Vietnam.
- Important traffic hub of the Northern provinces of Vietnam.
- One of three class I urban areas, national central urban areas.
- Center of industry, commerce, service, and tourism of the country and the Northern coastal region.
- An important link in economic development cooperation “Two corridors, one belt” between China and Vietnam.



Natural area

1,562 km²



Population

Over 2 million



Sea-bound

Sea surface area is
4,000 km²



15 districts

Including 2 island
districts



Coastal mangrove forest

4,486 hectares



Economy

14 industrial parks;
area of 23.312
hectares;
FDI: 27.3 billion USD;
200 thousand workers.



02

Challenges of climate change response in Hai Phong city



Hai Phong is one of 13 major port cities most affected by 2070 due to climate change



Last 57 years (1961-2017)

Average annual temperature
in the city has increased about
0.83 °C



Coastal sea levels

Increased by
about 2.8
mm/year

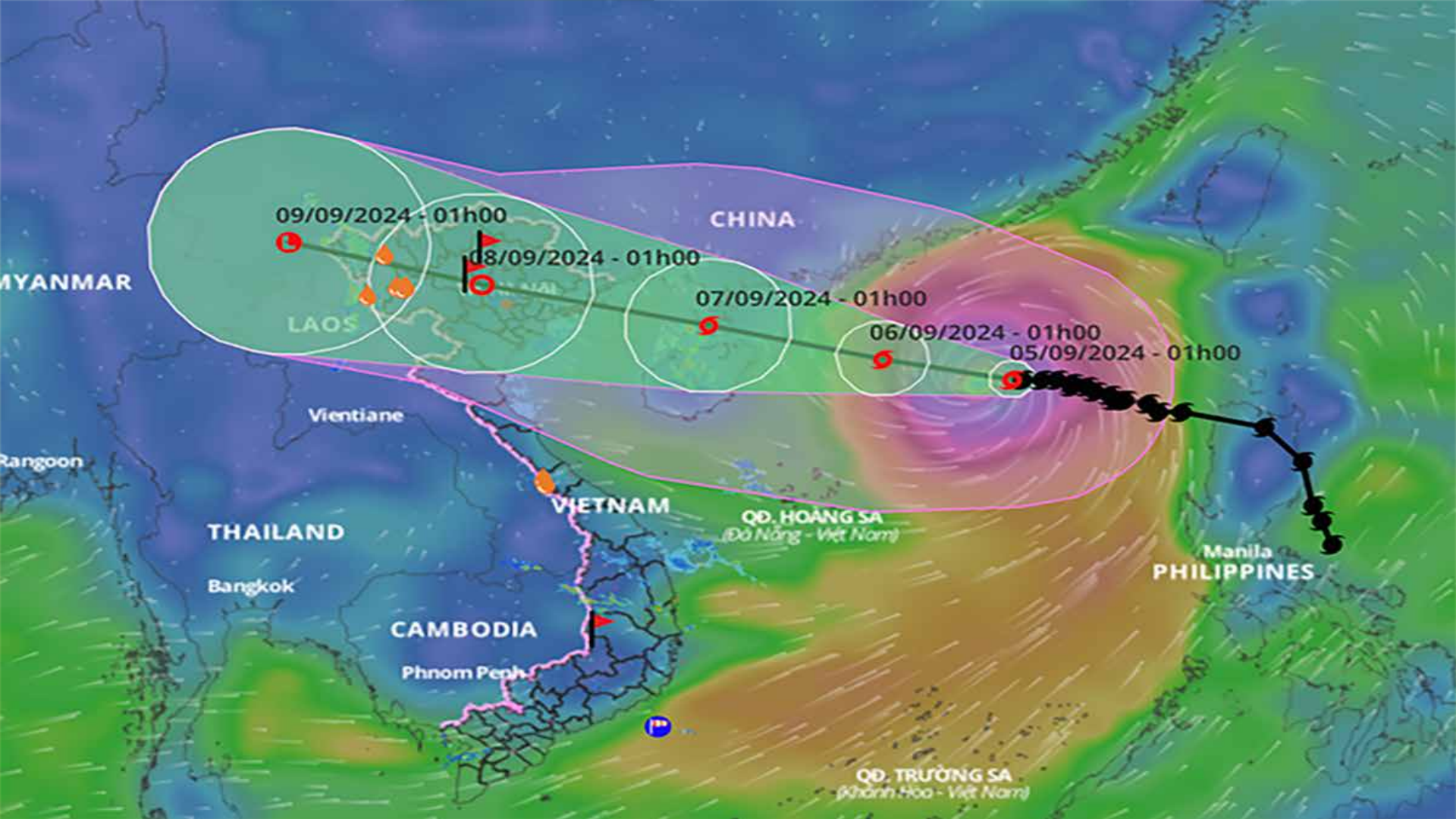


Natural disasters

Increase in both intensity and
frequency



Climate change and rising sea levels have affected
socio-economic activities and people's lives









03

Hai Phong aims for
low carbon



Directional notes

City Party's Standing Committee issued an **Action Program** to proactively respond to climate change, Strengthen resource management and environmental protection

The City People's Committee issued **03 action plans** to respond to climate change in Hai Phong city for the period 2021-2030, with a vision to 2050



01

Raise community awareness

Forums/seminars/conferences/training/extra curricular education



02

Develop sustainable transportation/vehicles

Switching production technology to electric vehicles



03

Improve energy use efficiency

Invest in solar, wind, and biomass energy projects



04

Develop eco-centric industrial parks
DEEP Ç
Nam Cau Kien



05

Effective solid waste treatment
In 2026, construction of 01 waste to-power incinerator with processing scale of 1,000 tons per day, generating 25MW of electricity.



06

Control surrounding water and air pollution
Allocated 05 million USD to implement the Integrated Control Center Project for automatic monitoring data management



07

**Protect and develop forests,
conserve nature and
biodiversity**

Protect the area of coastal and
riverside protective mangrove
forests



08

**Sustainable agriculture/aquaculture
development**

Encourage organic agriculture.
Sustainable development of marine economy.
International integration of the fisheries industry





04

Partnership



Friendship and cooperation agreement (signed May 2009)

1. Increase potential for participation in infrastructure business

- ü Technical cooperation in wasted water and sewage services
- ü Water quality improvement project by CLAIR and by JICA.

2. Support business activities for local companies

- ü Training for supporting industries in Haiphong (JICA)
- ü Business matching services for small- and mid-sized companies (JETRO)

3. Promotion of exchange of delegation and culture

4. Training of human resources to act as a bridge between both cities



**Sister City Agreement concluded
(April 2014)**





01

Support the development of the Action Plan Report to promote green growth in Hai Phong city



02

Support the development of a low carbon scenario for Hai Phong city by 2030

Pilot Projects in “Green Growth Promotion Plan” to Haiphong proposed by Kitakyushu

Waste	Separation and composting of household waste
	Waste Heat Recovery Power Generation & Utilization of Industrial Waste
	Recycling of E-Waste
Energy	Energy savings and introduction decentralized energy systems in factories & buildings
Transportation	Introduction of low-emission buses
	Promotion use of public transportation
Cat Ba Island	Development of comprehensive resource recycling system
	Energy saving and introduction of renewable energy &EV buses in Cat Ba Island
Water & Sewage, Rainwater Drainage	U-BCF expansion project
	Handicraft village wastewater measures
	Introduction of sewerage registry system
Environment	Restoration of Tay Nam canal

U-BCF expansion project

- **Phase 1 (2010-2012):** Research on treating organic matter in the country by using UBCF biological treatment technology, improving water quality management capacity
- **Phase 2 (2013-2016):** Enhance management capacity of water supply systems for Hai Phong Water Supply Company
- **Phase 3 (2018-2021):** Enhance management capacity of water supply systems for Hai Phong Water Supply Company



Trang Cat Waste Treatment Complex Project

- **Collect fresh waste from markets/hotels/restaurants to make compost upon Takakura technical.**
- **Volume organic waste collected: 100tons/day**
- **Compost fertilizer produced: meet requirements by MARD; tested/applied**
- **Benefit:**
 - + **Reduce filled land**
 - + **Reduce environmental pollution**
 - + **Get extra fund from selling compost product.**



Adding fresh waste into seed compost



Mixing procedure

**Hai Phong is cooperating with the
Japan Institute for Global
Environmental Strategies (IGES)
and the Asia-Pacific Integrated
Modeling Group (AIM) to develop
a Zero Carbon Emission Scenario
for Hai Phong City in 2050**



Low carbon scenario for Hai Phong to 2030

Introducing the Low Carbon Scenario for Hai Phong to 2030 at COP22



Update on Net Zero Emissions Scenario by 2050



05

Conclusion



Hai Phong has promoted cooperation with countries and international organizations, calling for investment and support for climate change response activities to quickly access and transfer new and modern technologies in reducing greenhouse gas emissions, using energy efficiently, renewable energy and new energy



THANK YOU FOR YOUR ATTENTION

