

Realisation of AIM-LCS in Hai Phong

*based on the City-to-city collaboration between Hai Phong City
and Kitakyushu City*

19th March 2021

LoCARNet 9th Annual Meeting



City-to-city collaboration between Hai Phong City and Kitakyushu City



Sister City Agreement (2014)



Completion of joint-development of the **Green Growth Promotion Plan of Haiphong City (2015)**

Pilot Projects in the Green Growth Promotion Plan of Hai Phong City

Sector	Pilot projects
Waste	1. Separation and composting of household waste 2. Waste Heat Recovery Power Generation & Utilization of Industrial Waste 3. Recycling of E-Waste
Energy	4. Promotion use of public transportation
Transportation	5. Energy savings and introduction decentralized energy systems in factories & buildings 6. Introduction of low-emission buses
Cat Ba Island	7. Development of comprehensive resource recycling system 8. Energy saving and introduction of renewable energy &EV buses in Cat Ba Island
Water & Sewage, Rainwater Drainage	9. U-BCF expansion project 10. Handicraft village wastewater measures 11. Introduction of sewerage registry system
Environmental Protection	12. Restoration of Tay Nam canal 13. Development of air and noise monitoring systems
Green Production	14. Installation of high-efficiency furnaces in foundries 15. Promotion of green agriculture

Examples of ongoing pilot projects



Introduction of EV bus
in Cat Ba Island



Large scale composting
of municipal solid waste



Sewage treatment facility

City-to-city dialogues for identifying feasible low carbon projects (FY2019)

- ✓ Organized a workshop on Eco Industrial Park Development in Hai Phong City (Dec 2019)
- ✓ Nam Cau Kien Industrial Park and Kitakyushu City have exchanged MOU on promotion of Eco Industrial Park Development



City-to-city dialogues for identifying feasible low carbon projects (FY2020)

First workshop (Jan 2021)

- Identified local needs: mega solar, recycling of PV panels, electric vehicle, waste water treatment, plastic waste recycling, wind power

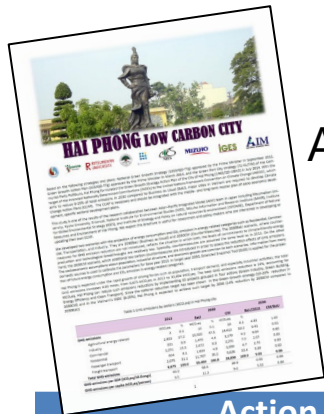


Second workshop (Mar 2021)

- Business matching on four key technologies: (a) mega solar, (b) EV, (c) plastic recycling, and (d) waste water treatment



Identified mitigation projects in Hai Phong



AIM-LCS in Hai Phong
(November 2016 version)

Action	Emission reduction (ktCO ₂ eq)
Action 1. Green Industry	1,477
Action 2. Green Building	262
Action 3. Energy Efficiency	363
Action 4. Clean Transport	2,541
TOTAL	4,643

45 MW PV in industrial estate



<https://www.pv-tech.org/>

EV development and promotion



EV Motors Japan

Preliminary result: GHG emission reduction potential of 45 MW solar power project

Items	Value	Unit
Total area of rooftop	100	ha
Number of PV panels	400,000	
PV module unit	440	W
Power generation	214,706,580	kWh/year
GHG emission reduction	71,500	tCO ₂ /year

Potentially contributes to approximately **14%** of Action 1-03:
Regional energy supply system (514.8 ktCO₂eq)