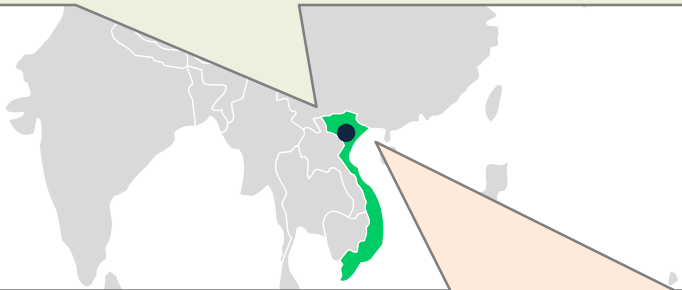


City-to-City Collaboration between Hanoi City in Viet Nam and Fukuoka Prefecture

Fukuoka Prefecture and Hanoi City has started friendship relation since 2008 and conducted various activities such as a training for environmental officers of Hanoi City and an environmental education seminar under the environmental cooperation agreement since 2010. In this City-to-City Collaboration, to solve environmental issues in Hanoi City, support on **(1) human resources development and information sharing on the promotion of zero-carbon** and **(2) consideration for introducing zero-carbon technologies by Japanese companies** were implemented thorough online workshops, field survey, and discussion with the relevant persons/organizations.

<Climate Change Countermeasure in Hanoi City>

To realize zero-carbon in Hanoi, "Climate Change Action Plan (CCAP)" has been established. Furthermore, reducing GHG emissions, promotion of green production/ construction, improving lifestyles, and sustainable consumptions are conducted actively based on "Green Growth Strategy (GGS)".

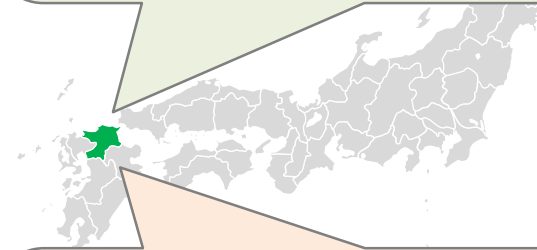


<SDGs actions in Hanoi City>

Base on "Action Plan of Hanoi City to implement the 2030 Agenda for Sustainable Development" issued in 2007 by Hanoi City, the city implements secureness of sustainable energy, preservation of natural resources, and adaptation to climate change to achieve SDGs by 2030.

<Climate Change Countermeasure in Fukuoka Pref.>

According to "Action Plan of Global Warming Countermeasures in Fukuoka Prefecture (March 2017)", **introduction of energy saving and renewable energy, mitigation/ adaptation measures by utilizing hydrogen energy** have been promoted.

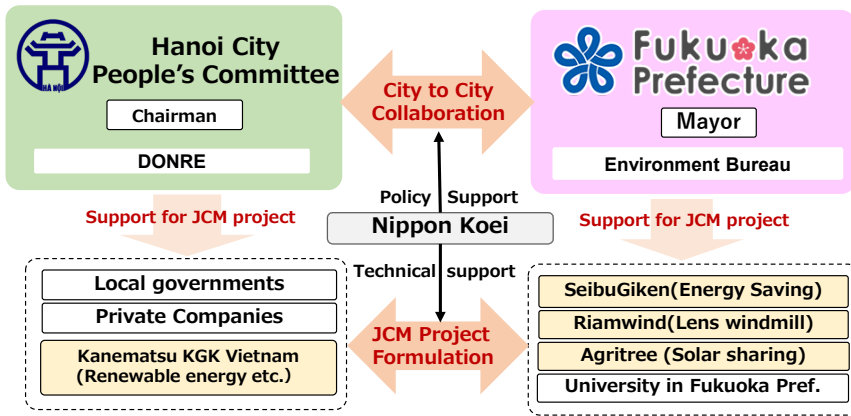


<SDGs action in Fukuoka Prefecture>

The prefecture supports actively the citizens, private companies, and local government on their **SDGs actions** through "Environmental Comprehensive Vision/ the 4th Environmental Comprehensive Basic Plan (March 2018)" and "Good practice on SDGs actions (June 2021)"

City-to-City Collaboration between Hanoi City in Viet Nam and Fukuoka Prefecture

【Implementation Structure】



Activities/ Achievements

<Local government>

- Intercity discussion via online: 3 times
- Online workshop: twice

<Private companies/ university>

- Field survey (review on policies, meetings with local companies, collecting information on factories/buildings in Hanoi City)
- Introduction of zero-carbon technologies at the Vietnam JCM seminar
- Introduction of zero-carbon technologies at the online workshop
- Creation of presentation contents in Vietnamese and movie materials
- Implementation of wind condition simulations

Achievement:

(1) Information sharing on environmental technologies by Fukuoka Prefecture

- Smart collection system of solar panel waste
- Countermeasures against open burning (utilization of agricultural-derived biomass)
- Japan's garbage separation and collection system, and the relevant efforts

(2) Suggestion of applicable technologies to JCM

- Solar sharing
- High-efficiency small wind turbine systems (Lens windmills)
- Building energy saving system (heat exchangers)
- Fuel conversion technology (VOC concentrator for factories)
- Biomass-derived hydrogen technology (fuel cell)

(3) Formulation of the Co-Innovation project (one candidate project)

【Photos of online workshop】

