

# The Fukushima Innovation Coast Framework set in motion

To promote the materialization of projects in the fields of 1) Decommissioning, 2) Robotics and Drones, 3) Energy, Environment, Recycling, 4) Agriculture, Forestry and Fisheries, 5) Medical Industry, and 6) Aerospace, we have been working on preparing an attractive environment to realize these projects, including the creation of industrial clusters, human resource development, increasing the number of visitors, and spreading information.

The three pillars of our efforts

A region where all kinds of challenges are possible

Local companies are main players

Developing human resources to support the Framework

## History of the Fukushima Innovation Coast Framework and FIPO

### January 2014

The Fukushima International Research and Industrial City (Innovation Coast) Committee was established to build a new industrial base for the Hamadori region and promote community development from a broad-based perspective

### June 2014

Compiled reports from The Fukushima International Research and Industrial City (Innovation Coast) Committee

### May 2017

Amendment on the Act on Special Measures for the Reconstruction and Revitalization of Fukushima passed and Fukushima Innovation Coast Framework and Subcommittee are given legal status

### July 2017

Fukushima Innovation Coast Promotion Organization (FIPO) is founded

### April 2019

FIPO entrusted as a designated administrator of the Fukushima Robot Test Field

### December 2019

Compiled the industrial development blueprint which is based on the Fukushima Innovation Coast Framework, giving shape to it (Reconstruction Agency, METI, Fukushima Prefecture)

### April 2020

FIPO entrusted as a designated administrator of the Great East Japan Earthquake and Nuclear Disaster Memorial Museum (opened in September of same year)

### June 2021

FIPO entrusted as an administrator of the Fukushima 12-Municipality Migration Support Center (opened in July of same year)

## Fukushima Institute for Research, Education and Innovation (F-REI)

F-REI is a national institution established in Namie Town (April 2023) working towards the reconstruction of Fukushima and the whole of the Tohoku region, strengthening Japan's scientific and technological capabilities and industrial competitiveness, and stand as a world-leading core center for creative reconstruction efforts.

Moving forward, the institution will work to draw in researchers and develop facilities. F-REI is also expected to further develop the Fukushima Innovation Coast Framework.

### The 5 Fields of F-REI's Research Initiatives

① Robotics

② Agriculture, Forestry and Fisheries

③ Energy

④ Radiation Science, Medicine and Drug Development, & Industrial Application for Radiation

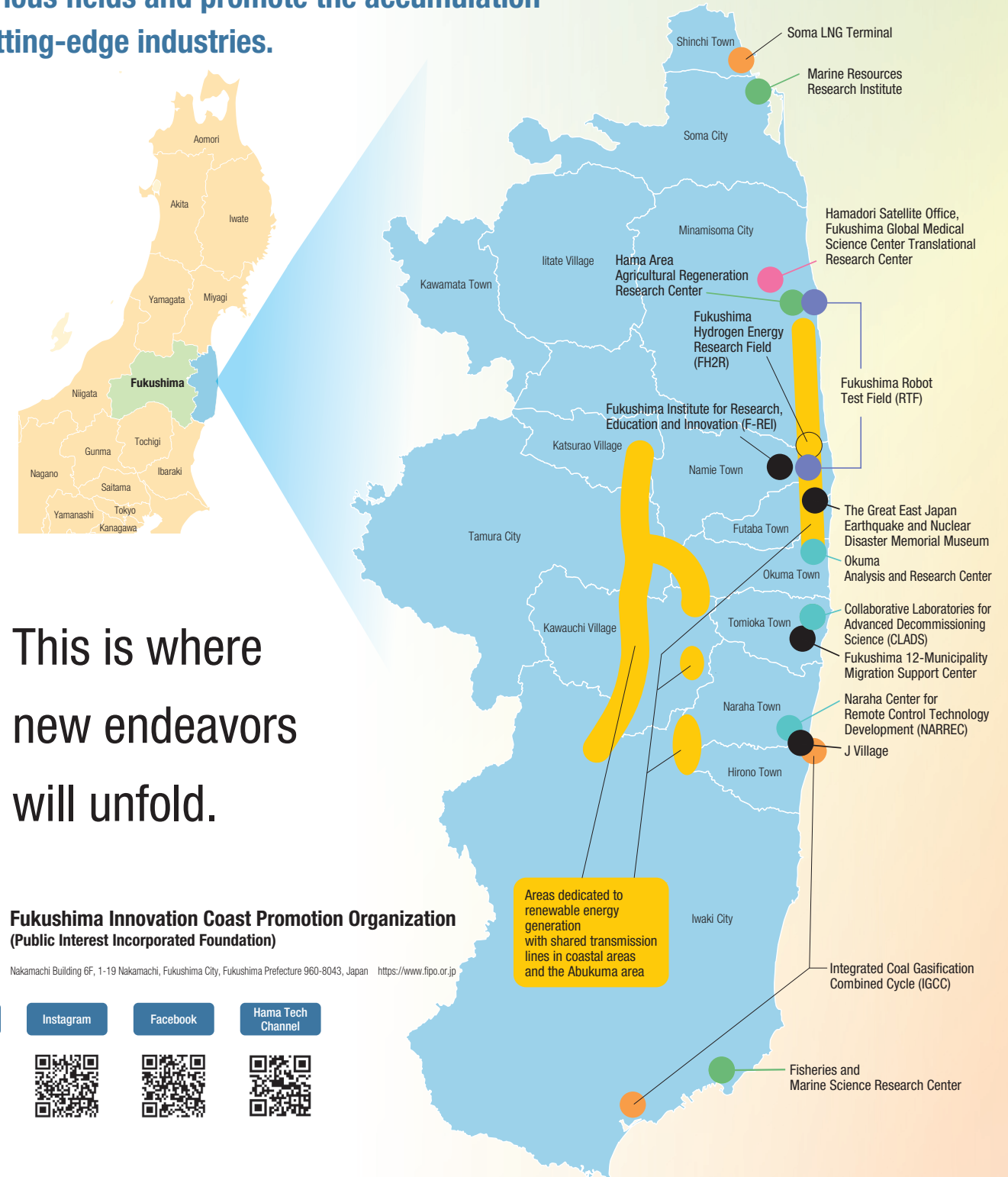
⑤ Collection and Dissemination of Data and Knowledge on Nuclear Disasters

Innovation is starting up and taking off from Fukushima

# Fukushima Innovation Coast Framework

Fukushima Innovation Coast Framework is a national project that aims to build a new industrial infrastructure of the coastal region of Fukushima Prefecture to recover the industries lost due to the earthquake and tsunami on March 11, 2011 and nuclear disaster.

The project will make use of research centers in various fields and promote the accumulation of cutting-edge industries.



This is where new endeavors will unfold.



**Fukushima Innovation Coast Promotion Organization**  
(Public Interest Incorporated Foundation)

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# Fukushima Innovation Coast Framework Main Projects

## Project 1



Technological development that brings together the expertise of Japanese and international professionals

### Decommissioning of Nuclear Reactors



Fukushima Daiichi Nuclear Power Plant exhaust stack disassembly (TEPCO)

The decommissioning of nuclear reactors is vital to the restoration of the Hamadori region. By bringing together the best and brightest from around the world and promoting R&D and human resource development, our efforts will have effects across the industry, and work to form industry clusters in the area.

## Project 2



Creating industrial clusters of robotics with the Fukushima Robot Test Field at the core

### Robotics and Drones



Reishiki Jinki ver.2.0 (Man-Machine Synergy Effectors, Inc.)

The Fukushima Robot Test Field and other facilities in the Hamadori region will actively attract development and testing of robotics and drones to be used in a variety of situations, such as disaster response, distribution, infrastructure inspection and more. The facilities strive to promote accumulation of robotics industries in the region.

## Project 3



Toward the establishment of cutting-edge renewable energy and recycling technologies

### Energy, Environment, and Recycling



Fukushima Hydrogen Energy Research Field

We work to rejuvenate and restore the local economy by fostering and growing industries focused on renewable energy. We currently promote the use of hydrogen energy and efforts to develop cutting-edge recycling technologies for solar panels, coal ash, and more.

## Project 4



Revitalization of agriculture, forestry and fisheries industries through the use of ICT, robotics, and other technologies

### Agriculture, Forestry, and Fisheries



Plant vaccine cultivation (Berg Fukushima)

We consider agriculture an area for innovative growth and work to develop new, "smart" agriculture, support the creation of new jobs, and attract agricultural work from other regions.

## Project 5



Developing business opportunities through supporting technological development

### Medical Industry



Medical personnel training carried out at the Fukushima Medical Device Development Support Center

We promote the entry of new companies, and foster and accumulate industries in the medical field.

## Project 6



Developing next-gen air mobility and rocket technology, and enhancing competitiveness of companies in the field

### Aerospace



Aerial launch of model rocket from balloon (AstroX, Inc.)

We support the influx of companies and human resource to grow and lead the aerospace industry.

## Approach 1 toward realization



Inviting enterprises and bringing local and outside enterprises together

### Industrial Clusters

In order to expand industry in the Hamadori region and rejuvenate and revitalize those already present, we promote the development of industrial parks and the creation of business establishments, as well as assist in promoting exchanges and business partnering opportunities between companies and local businesses.



On-site tours and business location seminars are held to showcase Japan's top preferential treatment system and its business environment in the Innovation Region



Business idea contest held for women and youth who will play an active role in the future of the Innovation Region

## Approach 2 toward realization



Fostering young talent who will lead the Hamadori region into the future

### Education and Human Resource Development

We work to foster the ambitions of youth who will one day lead the reconstruction efforts in the Hamadori region through revitalizing education and research activities at universities and other locations, as well as by offering career education opportunities at elementary, junior high, and high schools in cooperation with companies and institutions of higher education.

#### Elementary, Junior High, and High Schools



[Taira Technical High School] Students learning to automate drones using the Scratch programming language



[Futaba Minami - Futaba Kita Elementary Schools & Futaba Junior High] Students participating in Futaba's traditional Shineha Sendan Taiko drum performance at the Sendan-sai event, a joint school culture festival for kindergarten, elementary, and junior high schools in the town

## Approach 3 toward realization



Expanding the network of Framework supporters

### Increasing the Number of Visitors

By working to attract companies and human resources from outside the region, we strive to bring together both non-resident and resident populations in order to get these groups of people involved in the various aspects of this framework for the Innovation Region.



Hands-on agricultural experiences and development of specialty products at fields in the Innovation Region along with visitors from urban areas (MYSH LLC)



The Fukushima 12-Municipality Migration Support Center distributes information for potential migrants on learning about, working, and starting businesses in the 12 municipalities and hosts hands-on tours

## Approach 4 toward realization



Promoting participation by raising awareness of the natural and nuclear disasters, training for such, and the Framework

### Spreading Information

Various information is sent out in order to improve awareness of the framework and promote increased participation.



The Great East Japan Earthquake and Nuclear Disaster Memorial Museum collects, preserves, and researches records and lessons learned from the compound disaster of earthquakes, tsunami, and a nuclear accident, and shares such information through exhibits, training programs, and storytelling



Annual symposiums offer a place to report on progress of the Fukushima Innovation Coast Framework and think and reflect on the direction of future efforts