

- Fukushima Today -Steps for Reconstruction and Revitalization in Fukushima Prefecture

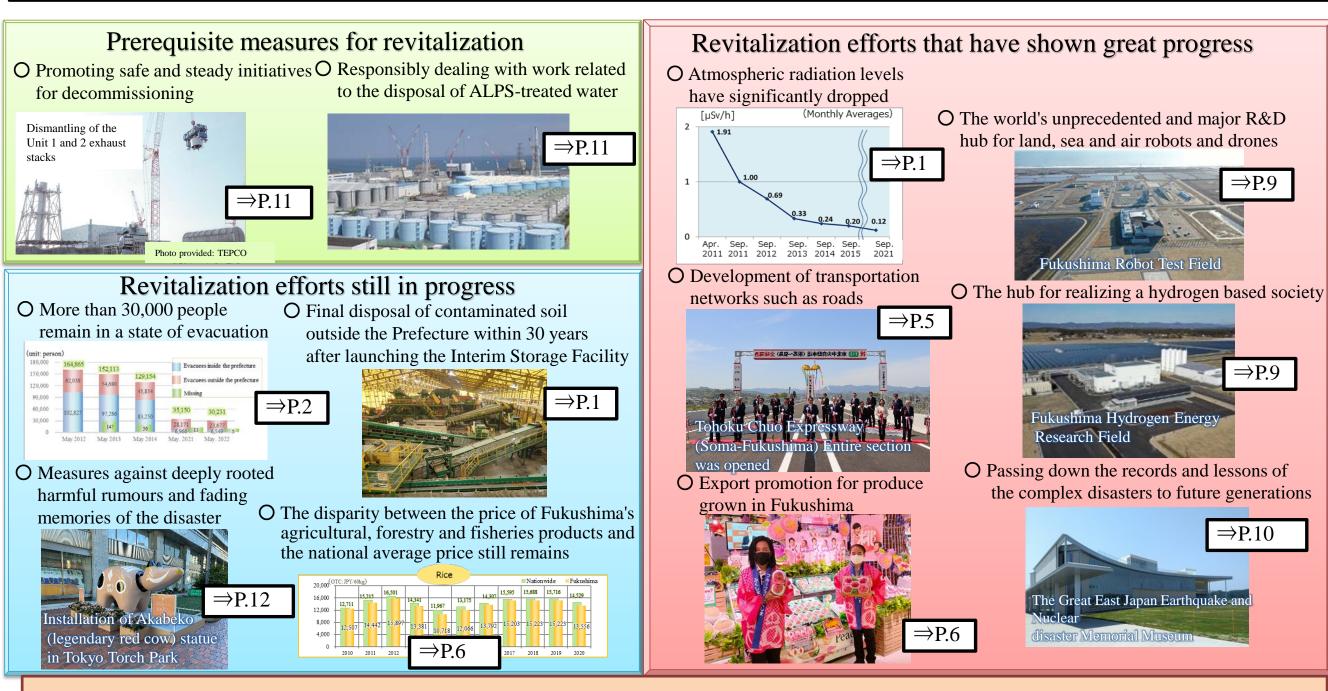


- A-D: Evacuation orders were lifted for the Special Zones for Reconstruction and Revitalization (SZRR) in Katsurao Village on 12 Jun. 2022.
- A: Crimson clover has been grown as a green manure to restore soil fertility which has been degraded by decontamination work. The flowers became in full bloom again in late May 2022.
- B: Tour de Katsurao, a road bicycle racing that began in 2017. The 2022 race will be held in autumn.
- C: Azalea Market was held on 5 Jun. 2022 at the Community Revitalization Centre "Azalea" to mark the 4th anniversary of the facility. The event attracted many people including children who enjoyed spending time with goats.
- D: A bamboo light event was held at the Katsurao Daijin-ya Ruins Park on 29 Jan. 2022. People created a monument to represent the pride of horse culture in the old days and pray for revitalization of the community.

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Towards achieving revitalization

As 11 years have passed since the Great East Japan Earthquake and nuclear disaster, revitalization in Fukushima has been making steady progress thanks to the great efforts made by the residents of Fukushima and the warm support from within Japan and other countries around the world. This includes the lifting of evacuation orders, the re-establishment of the living environment, the development of numerous reconstruction bases of the future, and the lifting of evacuation orders for the Special Zones for Reconstruction and Revitalization (SZRR) in Katsurao Village and Okuma Town. On the other hand, over 30,000 people are still evacuated (as of May 2022). In addition, the Prefecture is faced with a pile of unique issues such as having evacuees return home, rebuilding the livelihoods of disaster affected residents, fighting deeply rooted harmful rumours and fading memories of the disaster, revitalizing local industries, dealing with decommissioning of the reactors and contaminated/treated water, etc.



It is necessary to flexibly and carefully respond to new challenges which arise as revitalization progresses as well as the different issues faced in different areas according to their revitalization progress, and to realize them one at a time.

Promoting the reconstruction and revitalization of Fukushima to transform it from a "disaster affected area" to a "revitalization area"

1. Revitalization efforts and challenges

(1) Decontamination

Decontamination of prefectural land has been completed in all areas except for the Difficult-to-return Zone. Atmospheric radiation levels in the Prefecture have significantly dropped, and are the same as other major cities throughout the world.

O Municipality led decontamination

Completed in Mar. 2018

Area the national government conducts decontamination

Area each municipality conducts decontamination (Orange, Green)



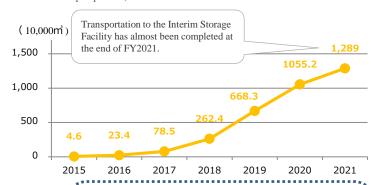


(Flow of decontamination: Diagram)



Location of the Interim Storage Facility Okuma Town, Futaba Town

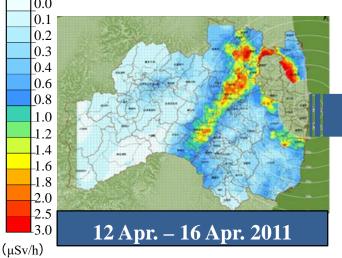
(Accumulation of transportation volume into the interim storage faculty and future perspective)



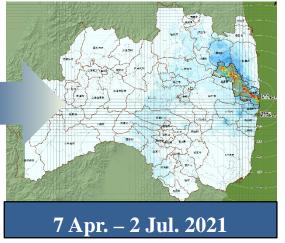
Removed soil and waste are stored in the Interim Storage Facility for a certain period. The final disposal is required by law to be completed outside of the Prefecture within 30 years since the commencement of the Interim Storage Facility (By Mar. 2045).



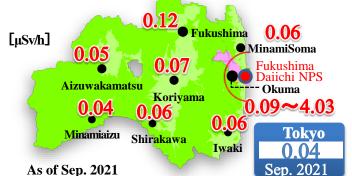








prefectural land has



Bases for comprehensive efforts towards environmental recovery and creation

Environmental Radiation Monitoring Centre (Minamisoma City)

> Environmental monitoring, research information release education, training, exchanges

Environmental monitoring around the NPS Fukushima Prefectural Centre for Environmental Creation Main Facilities

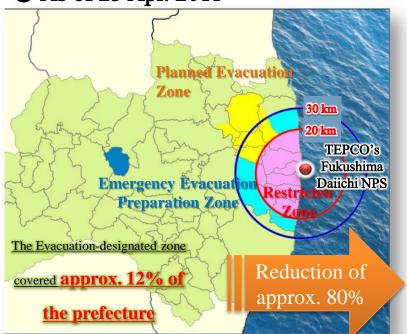


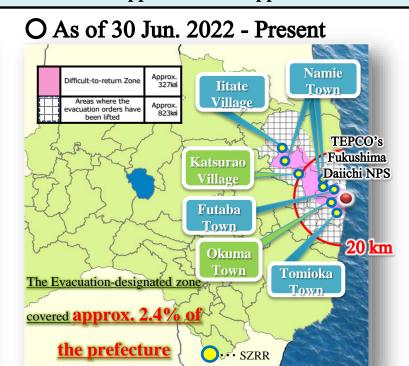
- Restoration of the land used for Temporary Storage Sites and returning back the land
- Safe maintenance and operation of the Interim Storage Facility as well as safe and secure transportation of contaminated soil
- Final disposal of contaminated soil outside of Fukushima Prefecture
- Decontamination and demolition of houses in the Difficult-to return Zone (except for Special Zones for Reconstruction and Revitalization)

(2) State of Designated Evacuation Zones and Changes in Number of Evacuees

Progress is being made on the lifting of evacuation orders in accordance with the creation of an environment which people can return to. The proportion of the area of the prefecture under evacuation orders has reduced from approx. 12% to approx. 2.4%.

O As of 23 Apr. 2011





◆Transition of evacuees: Earthquake, Tsunami, NPS accident



nce) in the		No. of households	Population (persons)
on of Prefecture	Mar. 2011	721,535	2,024,401
	Jun. 2022	747,743	1,795,663
	Change	26,208	△ 228,738

(Refere

Change

populat Fukushima l

(Source) Estimated population of Fukushima Prefecture (Monthly report from a survey on resident population)

*The area of the Evacuation-Designated Zone includes the former Emergency Evacuation Preparation Zone

Areas within the Difficult-to-return Zone where residence would have been restricted into the future but was made possible when evacuation orders were lifted.

(Special Zones for Reconstruction and revitalization)

In Aug. 2021, the national government announced a policy to work towards lifting evacuation orders so that residents who wish to return are able to do so during the 2020s. This is after the government understood the intention to return of individual residents living outside of the SZRR and after decontaminating the areas necessary for the return. (It was a basic policy to lift evacuation orders in order to help evacuees return to and reside in areas outside the SZRR).

Total area		Target for lifting evacuation orders	Start of preparatory accommodations
Futaba Town	approx.555ha	30 Aug. 2022	Jan. 2022
Okuma Town	approx.860ha	30 Jun. 2022 (lifted)	-
Namie Town	approx.661ha	Mar. 2023	Sep. 2022
Tomioka Town	approx.390ha	Around Spring 2023	Apr. 2022
Iitate Village	approx.186ha	Around Spring 2023	Undecided
Katsurao Village	approx.95ha	12 Jun. 2022 (lifted)	-

Proportion of residents in the 12 municipalities of the evacuation areas (May 2022)

Period when orders were lifted	Category	Municipalities	Rate of residents
_	_	Hirono Town	90.2%
2014	Lifted for whole area	Tamura City (Miyakoji District)	85.1%
2015	Lifted for whole area	Naraha Town	63.5%
	Partially lifted	Katsurao Village	35.2%
2016	Lifted for whole area	Kawauchi Village	82.5%
	Partially lifted	Minamisoma City (Odaka District)	59.8%
	Lifted for whole area	Kawamata Town (Yamakiya District)	49.0%
2017	Partially lifted	Namie Town	11.8%
	Partially lifted	litate Village	30.3%
	Partially lifted	Tomioka Town	16.8%
2019	Partially lifted	Okuma Town	3.7%
2020	2020 Partially lifted Futaba Town		_

^{*}The rate of residents is calculated using figures from municipal websites.

- O Challenges and Responses
- Decontamination and demolition of houses and restoration of public infrastructure in the Special Zones for Reconstruction and Revitalization
- Lifting of evacuation orders to the whole area of the Difficult-to-return Zone
- Maintaining a support system and consultation services for evacuees
- Creation of an environment for people to return that includes shopping, healthcare and welfare, education, transportation, and wildlife damage control

(3) Health of Fukushima residents

The Prefecture is aiming to become one of the longest-living and healthiest prefectures in Japan by implementing the Fukushima Health Management Survey and projects for healthy life expectancy.

O The Fukushima Health Management Survey

- ♦ Basic Survey (As of 21 Mar. 2021)
- External exposure doses were estimated for a 4-month period immediately after the nuclear accident to 11 Jul. 2011, based on a self-administered questionnaire.
- Results of estimate on external exposure dose (All citizens surveyed)
 Ratio of dose from 0 to 2mSv accounts for 93.8% of all.

◆ Detailed Survey (Thyroid Ultrasound Examination)

- It covers residents of Fukushima Prefecture aged 18 years and younger at the time of the disaster.
- *Preliminary Baseline Screening: FY2011-FY2013 Full-scale Thyroid Screening: FY2014-

(Primary Examination) Ultrasonography

(Confirmatory Examination) Advanced ultrasonography, blood test,etc.

O Development of a hub for cutting-edge radiological research and medical care & fostering of human resources in medical fields

Fukushima Global Medical Science Center



Base for supporting the revitalization of Fukushima on the medical front

School of Health Sciences Fukushima Medical University



Training medical professionals responsible for local medical care.

Fukushima Medical Device Development Support Centre



Promotion of the domestic medical equipment industry and improving medical skills through training.

O Challenges and Responses

- Reducing the residents' concerns about the health effects of radiation
- > Securing nursing personnel and support the operation of caregiving facilities.
- The number (or rate) of people with metabolic syndrome, child obesity and children's cavities is high, compared with the national average
- Extending people's healthy life expectancy by encouraging a healthy lifestyle
- →The number of people who died from lifestyle diseases: Fukushima ranked the tenth-worst prefecture in Japan. (706.9 per 100,000 people (as of Feb. 2020))
- ➤ Educating the next generation through child health promotion programs.
- Increasing cancer screening rates

O The Projects for a Long and Healthy Life

Health indices in Fukushima have been lower than the national average since the disaster; as such, the Prefecture will take measures to promote the health of residents focusing on the three pillars of food, exercise, and social participation. This is so that everyone can review their lifestyle and improve their physical fitness while getting to know and understand their health.



Created a web portal site to present information about health promotion in Apr. 2021.







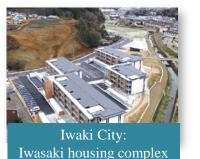




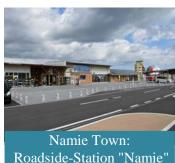
(4) Re-establishing the living environment for people to return and relocate

Re-establishment of the living environment has been progressing for people to return and relocate with the development of facilities such as public housing, commercial facilites and medical and caregiving services.

◆ Revitalization Public Housing ◆ Shopping facilities







Grand opening on 17 Oct. 2021

and Linkru Okuma complex facilities





◆ Medical and caregiving services





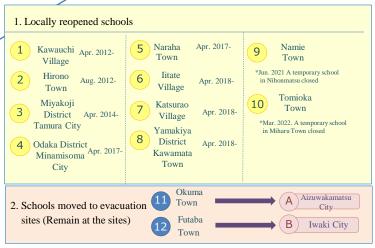


Odaka Industrial Technology and Commerce High School



Futaba Future School Junior and Senior High school





◆Efforts in evacuation areas to promote relocation

Fukushima Prefecture's Relocation Support Centre for 12 Municipalities

In Jul. 2021, a support centre was established in the Prefectural Tomioka Branch Office to promote relocation and settling down in the former evacuated 12 municipalities, and to support projects with effective wide-area collaboration and measures to help relocation. While focusing on the efforts to have people return which we have promoted so far, we are working to encourage people from outside the

Prefecture to relocate and increase the number of people visiting the area. Also, the "Future Work Fukushima" website, which gathers information about jobs, housing, support systems, etc., has been created to increase information sharing to people in their 20s and 30s who are interested in revitalization. We are working to accelerate efforts towards revitalization in the Prefecture by inviting mainly young people acrossthe country to support revitalization.



- Continuing to provide consultation regarding housing and rebuilding of livelihoods, as well as looking after residents, providing support for everyday life and, and community building
- Providing a comprehensive medical and caregiving system based on the needs of residents
- Resumption rate of medical institutions: 38% (as of Jan. 2022)
- Further promotion of distinctive and engaging education
- Encouraging people from outside the Prefecture to relocate and settle down as well as increasing the number of people visiting the Prefecture

Basic infrastructure

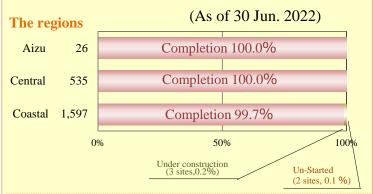
8. Onahama Route

99% of reconstruction work has been completed, while the Fukushima Reconstruction Roads and other projects are underway.

Transportation networks such as roads



♦ Progress by construction site



The Areas Percentage of completion

100% ··· Port and harbors, Fishing port, Sewage, Park, Public housing, Bridge, Sand erosion control

About 99%···Road, River, Coast



Joban Expressway (Iwaki Chuo IC- Hirono IC) A four-lane operation started on 13 Jun. 2021



The Sekiba Tunnel in the Kawamata Town section on the National Road Route 114 was opened on 2 Mar. 2022



Tohoku Chuo Expressway (Soma-Fukushima) Entire section was opened on 24 Apr. 2021



Ukedo Fishing Port completion ceremony was held on 20 Nov. 2021 Restoration of 10 fishing ports in affected areas has been completed



The National Road Route 288 (located on Nogamikotsuka section within Okuma Town) was opened on 16 Jul. 2022

Challenges and Responses

Temporary two-lane section

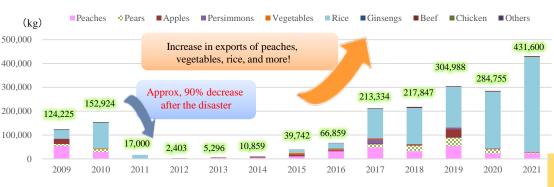
- Reconstruction of public works facilities and coasts in the Difficult-to-return Zone
- Development of the Fukushima Reconstruction and Revitalization road
- Development of roads in the 12 municipalities where evacuation orders had been issued

(6) Industry 1. Agriculture

Although the prices of Fukushima products are on a recovery trend, some items have not recovered to pre-disaster levels. On the other hand, compared to the period before the disaster, the export volume is increasing, hitting a record high in Dec. 2021.

OAgricultural product exports

Exports of agricultural products to Asia are on the rise! O Transition of the price for most Fukushima agricultural products



Sales of Anpogaki (Semidried Japanese persimmons)

The disparity between the price: 973JPY 20,000^(OTC:JPY/60kg) | Fukushima 15,688 15,716 16,000 11,967 12,000 8,000 4.000 2015 2016 2017

Peach

The disparity between the price: 90JPY

∼Import restrictions on food products from Fukushima∼ (As of 29 Jun. 2022)

- Countries and regions imposing an import ban on a wide range of products produced in Fukushima (3) China, Hong Kong, Macao
- Countries and regions imposing an import ban on some of the products produced in Fukushima (2) Korea, Taiwan
- Countries and regions allowing import of foods only when inspection certificates are attached (8) Indonesia, French Polynesia, EU, Iceland, Norway, Switzerland, Russia, Liechtenstein

The number of countries and regions imposing import restrictions on food products from **Fukushima**

- Immediately after the nuclear accident 55
- As of 29 Jun. 2022 *Restrictions lifted in 42 countries and regions

(Unit:JPY/kg) 800 ■ Fukushima

Debut of a new rice brand "Fuku Warai"



- The top brand of sweet, fragrant, and plump rice developed over the course of 14 years in an attempt to create the best rice in Japan
- Making "Fuku Warai" a driving force to improve the image of all the rice produced in Fukushima and to increase sales prices.

Smart agriculture initiatives



Fostering human resources for the forestry industry Artist rendition of completed building Forestry Academy Fukushima (Koriyama City) Opening Apr. 2022

Total sales of the online store reached a record 3.3 billion yen in FY2020

Buy seasonal Fukushima products on Fukushima Pride Delivery Service Just look for "Fukushima's agricultural, forestry, and fisheries products and specialty products" at the shopping sites available.

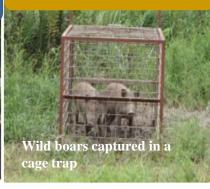


https://fukushima-pride.com/?lang=en

Farming has resumed in the affected areas



Wildlife Damage



- Regaining the price of agricultural products to the national average (Promoting branding of Fukushima products)
- Further accelerating the resumption of farming, developing and demonstrating advanced technology, securing new manpower
- Area of farmland in the 12 disaster affected municipalities where operations can be resumed. Progress rate: 42.6% (Mar. 2022)
- Wildlife damage control
- Promoting measures against radioactive materials necessary for the maintenance of forests as well as revitalizing the forest areas for logs and minor forest products
- Resumption of coastal fishery, support for expanding market channels, securing and fostering human resources for fishery operators and management entities

(6) Industry 2. Tourism

The COVID-19 pandemic has caused the number of tourists visiting Fukushima to plummet, with the number of educational tours at its lowest since the survey began in 2002.

O Tourists from outside Fukushima

(Unit: Thousand people)



O Educational Tour

(Ratios of Educational Tour compared to 2009 set as 100%.)

(Unit: %) 100 100 Number of schools 50 Unit: Guest overnight 0

O Total number of international guests

(Ratios of International Guests compared to 2010 set as 100%)

2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020



Implementation of the Fukushima SDGs Tourism focusing on Hope Tourism

Fukushima Prefecture's Hamadori blue tourism promotion project

Project to promote the branding of adventure tourism and other activities

Project to attract more visitors by utilising cultural assets and other elements

Fukushima Prefecture's green tourism promotion project

Hope Tourism promotion project

Adventure tourism

Fukushima Prefecture's fermented food and culture promotion project









Hamadori blue tourism





Earthquake and Nuclean Disaster Memorial

Tadami Line railway facilities



Green tourism

Hope tourism

Tokyo 2020 Olympic Game: Games to commence with a softball game in the Prefecture

Japan won all the games held in Fukushima! Softball games 21 Jul. Japan vs. Australia 22 Jul. Japan vs. Mexico Baseball game 28 Jul. Japan vs. Dominican Republic Azuma Baseball Stadium

World-renowned Fukushima peaches

Coaches and players of teams participating in the baseball and softball games praised these peaches, saying, "Fukushima's peaches are delicious" and "I've never tasted anything so good!"





- Attracting more visitors to Fukushima through the Fukushima SDGs Tourism in order to accelerate the revitalization of Fukushima, which was set as the 18th goal of the SDGs
- Recovering educational tours by inquiry-based learning programmes focusing on Hope Tourism as well as by continuously spreading information and marketing
- Spreading information to attract more foreign tourists in a post-pandemic world
- Spreading information about places related to the Olympics to promote them as part of the legacy of the Recovery Olympics

(6) Industry 3. Business investment and employment creation

The Prefecture's gross product growth rate is comparable with that of Japan's GDP, and levels in shipment values of Fukushima Prefecture's manufactured goods recovered to pre-disaster levels. However, in Futaba County, they are only 30 percent compared to what they were before the disaster.

O The shipment value of O The shipment value of products (Futaba County) products (Fukushima Pref.) (Unit: Trillion JPY) (Unit: 100 million JPY) 1,500 5.10 1,000 Pref.: Exceeds pre-1,077 disaster record Futaba County: Remains at 28% pre-disaster récord 500 4.32 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

O Business investment support utilising special provisions for taxation (preferential tax system)

Ca	ases	Special provisions for taxation on businesses investment in the revitalization of industries in the special zones		Special provisions for taxation on business investment in the revitalization of tourism in the special zones	Special provisions for taxation concerning the Act on Special Measures for the Reconstruction and Revitalization of Fukushima	
		Manufacturing, etc. Agriculture, etc		Tourism		
bus	es and siness elds	Industrial parks in the 15 municipalities	Agricultural promotion areas in the 15 municipalities (excluding some areas) and areas which promote clusters of the fishing industry with fishing ports as the core	Tourism and other related facilities at hot spring resorts in 8 municipalities	SZRR designated by the national government	
Pur	poses	Promoting industries and business investment Revitalization of farming and fishing villages Revitalization of tourism		Supporting the resumption or continuation of business operations and promoting new business in the zones		
De	etails	1. Corporate tax for newly established companies in the zones will be reduced. (They are allowed to include deductible expenses as a reserve for reinvestment for five years.) Special depreciation for reinvestment will be provided. 2. Special depreciation and tax credits will be provided when acquiring machines, devices, instruments, equipment and buildings, etc. 3. 10 percent tax credit for salary payments will be given if evacuees are hired. 4. Special depreciation and tax deduction for depreciable assets acquired, manufactured or constructed for R&D will be provided. 5. Tax exemption from business tax, real estate acquisition tax or property tax and other measures on building new or adding factories or equipment will be provided. (*Only for those businesses eligible for 1 - 4)			Special depreciation and tax credits will be provided when acquiring machines, devices, instruments, equipment and buildings, etc. 2. 20 percent tax credit for salary payments will be given if evacuees are hired. 3. Tax exemption from business tax, real estate acquisition tax or property tax and other measures on building new or adding factories or equipment will be provided. 4. Tax deferral for up to three years will be permitted for businesses preparing for resuming operations in the future.	
Approval	movels.	31 Mar. 2022/2,678	31 Mar. 2022/248	31 May 2022/113	30 Jun. 2022/ Existing businesses: 3,245	
	iovais	No. of people to be employed: 63,079	No. of people to be employed: 1,462	No. of people to be employed: 2,430	30 Jun. 2022/New businesses moving into the zones: 303	

O Business investment support utilising the Fukushima business investment subsidy

O Fukushima business investment subsidy for industrial vitalization (FY2020-)

Creating employment and industry expansion in the Prefecture through supporting companies that aim to start new or expand the number of factories and other facilities in the Prefecture.

O Fukushima business investment subsidy for revitalization of industries (FY2012-FY2021) Creating employment and industry expansion in the Prefecture through supporting companies looking to start new or expand the number of factories and other facilities in the Prefecture.

O Subsidy to business investment for employment creation in the tsunami and nuclear disaster-affected areas (FY2013-)

We support companies that set up new factory or additional factory inside the prefecture. Those activate business and create jobs.

O Subsidy for investment promotion for the support of self-help and return and the employment creation (FY2016-) In order to secure jobs for disaster-affected people and accelerate support for their independence and ability to return to the areas they evacuated from, we will support companies that are planning to newly or additionally build plants in the evacuation-ordered areas, and make efforts to create employment and cluster industries.

Allotted to 21 entities 131 jobs created (projection) (As of 14 Feb. 2022)

Allotted to **601** entities 7,405 iobs created (projection) (As of 31 May 2021)

205 entities 2,516 jobs created (projection) (As of 17 Sep. 2021)

120 entities 1.100 Jobs created (projection) (As of 14 Dec. 2021)

- Recovery of the industrial bases in Futaba County and the Coastal Region. Accelerating the Fukushima Innovation Coast Framework to develop selfsustaining and continuous industry growth
- Creation of new industries through technological development support and attracting new businesses to the region. Promoting participation of local companies
- Supporting disaster affected companies in Futaba County and other businesses to resume operations and promoting expansion of business from outside of the Prefecture

For the initiative to take shape, efforts are fully underway in the development of industry hubs, clustering of industries, fostering human resources, and expanding the non-resident population.

◆ The Fukushima Innovation Coast Framework

The Fukushima Innovation Coast Framework is a national project that aims to revitalize industries in the coastal region affected by the Great East Japan Earthquake and the nuclear disaster through the establishment of a new industrial base in the region. Based on the 3 core pillars, the project is being put into shape in the coastal region in the priority fields of decommissioning, robotics, drones, energy, environment, recycling, agriculture, forestry and fisheries, and healthcare-related industries as well as aerospace industries. It also includes various infrastructure development initiatives to achieve these plans, such as clustering of industries, fostering human resources, increasing people visiting the region, spreading information, and re-establishing the living environment.

◆ 3 core pillars to realise the initiatives

- 1. A region where people can take on any challenge We aim to develop the coastal region to be a place where new challenges are taken up in various fields.
- 2. Local companies are major players In order to encourage not only cutting-edge companies but various local companies to actively participate in the initiative, we will promote wide-area cooperation between local businesses and incoming companies to the region.
- 3. Fostering human resources who will play a major role in the initiative We will foster innovators in the region and professionals who will support the industrial cluster.

Hubs for research and main projects

Decommissioning

Developing technology by gathering wisdom from Japan and around the world

- Demonstration tests necessary for decommissioning, etc. are carried out at Naraha Center for Remote Control Technology Development (Naraha Town)
- Okuma Analysis and Research Center (Okuma Town)
- Collaborative Laboratories for Advanced Decommissioning Science (CLADS) (Tomioka Town)



Revitalization of agriculture, forestry and fisheries industries utilizing ICT and robotic technologies

■ In a Japan first, initiatives are being implemented in areas of advanced agriculture, forestry and fisheries which are employed in the development and demonstration of ICT and robotic technologies.



■ Adding higher value to marine products in Fukushima, developing processing technology, working on countermeasures against radioactive materials (Fukushima Prefectural

Fisheries and Marine Science Research Centre, Iwaki City)



Clustering of industries with the Fukushima Robot Test Field as the core

■ A major R&D hub for land, sea, and air robots and drones (Minamisoma City, Namie Town)



■ Demonstration tests of a bridge inspection service using a drone by DENSO Corporation



Healthcare-related industries

Opening up markets for businesses by supporting technological

■ Hamadori Satellite Office of Fukushima Medical University opened in Nov. 2021 to support companies and other entities in the Coastal Region using research from the Medical-Industrial Translational Research Center. (Minamisoma City)





■ Integrating support from the development through to the commercialization of medical devices (Fukushima Medical Device Development Support Centre, Koriyama City)



Establishment of advanced renewable energy and recycling

■ Fukushima Hydrogen Energy Research Field (FH2R) (Namie Town) is one of the world's largest hydrogen production bases from renewable energy sources. Hydrogen produced at FH2R is used in fuel cells installed in refectural

Azuma Sports Park and J-Village. Electricity is supplied to both of these facilities.







Aerospace industries

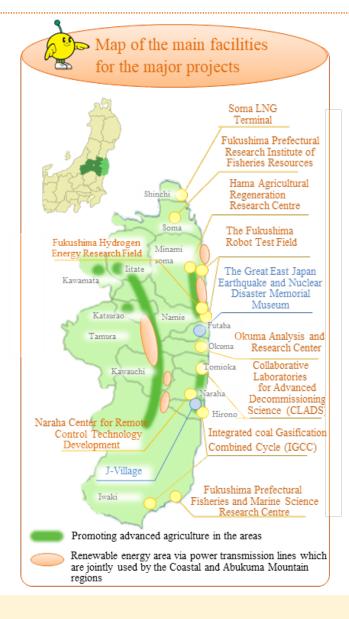
Development of Next Generation Air Mobility and expansion of business of local companies

■ Development of flying cars by teTra aviation corp., which has a research room in the Fukushima Robot Test Field



■ Products and technologies were introduced at the Robot and Aerospace Festa Fukushima 2021 with the aim of expanding business of local companies (Nov. 2021

Big Palette Fukushima)



Consideration towards establishing an international education and research institute

This corporate organisation is to be established as a central hub of the Fukushima Innovation Coast Framework, serving as a kind of control tower of conducting R&D, training human resources and other projects. This will contribute to the creation of new industries and increasing international competitiveness, one that will work together with other established facilities in the initiatives.

⇒ In Mar. 2022, the national government drew up a basic concept of an international education and research institute. The amendment bill of the Act on Special Measures for the Reconstruction and Revitalization of Fukushima was passed in May. This includes the establishment of the new corporation. A basic plan for research and development, including creating new industries, will be formulated by the summer of 2022. Mr. Yamazaki Koetsu, the former president of Kanazawa University, was appointed as the first president of the institute by the prime minister in Jul. 2022.

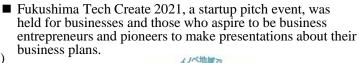
(6) Industry 4. The Fukushima Innovation Coast Framework II

◆Initiatives towards the realization of the framework

Clustering of industries

Helping to promote business investment and supporting companies inside and outside the region to start business ■ Seminar on Industrial Sites for

Business Establishment to publicize the most preferential system in Japan and environment of the location (Held in Tokyo in the FY2021)









- epreneurship and creation
- Accompaniment support by
- Fukushima Tech Create support

Expanding the nonresident population

■ On-site tours were held for companies which are considering entering into agriculture in the 15 municipalities in the Coastal Region and other areas to help them understand the current situation in the region further. Expanding the non-resident population in the Coastal Region and other areas where the number of residents has decreased due to evacuation



■ Mieruka Visible Seminars have been held for residents fir them be familiar with the efforts of the Fukushima **Innovation Coast** Framework



Re-establishment of the living environment

Creating an environment necessary for people to safely live

- Development is progressing for public infrastructure
- · Tohoku Chuo Expressway
- Joban Expressway
- JR Joban Line

- Operation of a shuttle bus
- · Fukushima Robot Test Field-Fukushima station



The preferential tax system to promote the Fukushima Innovation Coast Framework

Special provision for taxation will be applied to businesses that invest in equipment, employ people affected by the disaster and carry out R&D in relation to the development of new products in the priority fields of the initiative.

■ Eligible areas

Areas implementing projects which promote the creation of new industries

- *Part of the international research and industry areas in Fukushima Prefecture (15 municipalities)
- Who can apply
- The sole proprietor or corporations who are in areas implementing projects which promote the creation of new industries and who are engaged in these projects
- *These projects are specified by the Order of the Reconstruction Agency to play a central part in creating and activating industry clusters
- Details of special cases
- 1. A 15 percent tax credit for payments such as salary will be given if evacuees are hired.
- 2. Special depreciation and tax credits will be provided when acquiring machines, devices, instruments, equipment and
- 3. Immediate depreciation and tax depreciation for depreciable assets will be provided towards development and research
- 4. Tax exemption from business tax, real estate acquisition tax or property tax and other measures on building new or adding factories or equipment will be provided.

Spreading information



Passing down the records and lessons learnt from the compound disaster to future generations

■ In Mar. 2022, the number of visitors reached 100.000 at the Great East Japan Earthquake and Nuclear Disaster Memorial Museum, which opened in Sep. 2020. We have now an enhanced research system in place after full-time researchers joined the senior researchers in Apr. this year. We collect and archive mainly nuclear disaster related materials and use the research results for displays, presentations, and training. By disseminating information, we prevent memories of the disaster from fading and help with disaster reduction and prevention.

Fostering human resources in education

Fostering the youth force who will carry the future of the Coastal Region

■ Revitalization Knowledge Project supports activities and technical colleges nationwide in the Prefecture for local residents



■ Classes on smart agriculture are available at Soma Agricultural High School, where educational programs under the Fukushima Innovation Coast Framemwork are being implemented.



The entire Prefecture will work to foster highly ambitious leaders for this project as well as human resources who will serve as immediate assets in the fields of expertise of robotics, renewable energy, agriculture, forestry, fisheries, and more. Odaka Industrial Technology and Commerce High School and Futaba Future School have taken the lead in this project.

The University of Aizu has also been working with local enterprises to develop robotics technology and human resources using its expertise in ICT.



Odaka Industrial Technology and Commerce High School

The school has been designated as one of the Meister high schools, which is a project of the Ministry of Education, Culture, Sports, Science and Technology. It is working to develop human resources with advanced knowledge and skills that can handle new industries through the human resource development system linked to these industries as well as the collaboration between commercial and industrial academic courses.



■ Futaba Future School Junior and Senior High school

The school has been designated by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) as part of a project to promote high school education reform through collaboration with local communities (glocal type) and is fostering global leaders. The school is working on the study of creating local communities, exploring future revitalization, and supporting top athletes.

- Creating an economic ripple effect in the Prefecture by connecting businesses to the innovation projects and enhancing industrial clustering
- Developing the surrounding environment and communities in conjunction with the establishment of the international education and research institute

(7) Efforts towards decommissioning

Fukushima Daiichi NPS

Measures being taken	Major milestones (on the Mid- to Long- Term Roadmap)	Current state of progress
Contaminated water measures	Reduction of the volume of contaminated water Reduce to about 100m³/day or less (within 2025)	In order to reduce the volume of contaminated water, measures have been taken to prevent groundwater from flowing in by pumping up groundwater from Subdrain and with impermeable walls of frozen soil as well as to prevent rainwater from seeping in by installing roofs of reactor buildings and other buildings.
Fuel removal from spent fuel pools Complete fuel removal from Units 1 to 6 (within 2031)		Unit 1: Operation of installing a large cover is in progress to remove rubble from the upper part of the reactor building. Unit 2: Investigation of the pool did not find any damage to the fuel. Unit 3: Fuel removal was completed in Feb. 2021. Unit 4: Fuel removal was completed in Dec. 2014.
Fuel debris retrieval	Begin fuel debris retrieval from initial reactor (From Unit 2) (postponed from within 2021 to around 2022)	Unit 1: An additional investigation inside the primary containment vessel is being carried out. Unit 2: A robot arm is being adjusted for the start of fuel debris retrieval Unit 3: An additional investigation and analysis inside the primary containment vessel are being planned.
Waste measures	Eliminating outside temporary storage areas for rubble and other waste (within FY2028)	An additional miscellaneous solid waste incineration facility to dispose waste such as rubble, fallen trees and used protective clothing has started operation. A facility for analyzing low-to-medium-level radioactive waste, such as rubble, is being constructed.

Fukushima Daini NPS

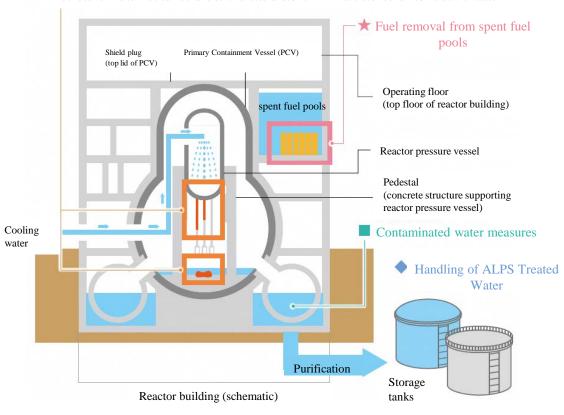
- > TEPCO estimates that the period to complete the decommissioning of the four reactors is to be 44 years and the complete process will be divided into 4 stages. It created a decommissioning plan to show the details which will be carried out in Stage 1. (The period to prepare for the dismantling the facilities is 10 years.)
- ➤ The Nuclear Regulation Authority (NRA) approved the plan in Apr. 2021, in accordance with the Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Nuclear Reactors. Fukushima Prefecture and the towns where the power station is located (Naraha Town and Tomioka Town) also gave prior approval based on the Agreement on Ensuring the Safety of the Surrounding Communities when Decommissioning the Fukushima Daini NPS. In response to this, TEPCO started decommissioning work in June.
- At Stage 1, there is a plan to inspect the contamination status of radioactive substances, remove the contamination, dismantle and remove equipment outside of the controlled area and remove the spent fuel from the reactor buildings.
- Currently, acquisition of documents to inspect and evaluate the contamination status has been conducted and a future inspection plan is being discussed.

ALPS treated water

- Contaminated water is being generated from the cooling of fuel which melted (fuel debris) due to the nuclear accident and by the rainwater and groundwater flowing into the reactor buildings.
- Water in which radionuclides, except tritium, are removed from the contaminated water below the regulatory standards by using ALPS and other equipment is referred to as ALPS treated water.
- In the basic policy on handling the multi-nuclide removal equipment (ALPS) treated water, created by the national government in Apr. 2021, ALPS treated water will be discharged into the sea after being purified and diluted to levels well below its regulation standard while ensuring its safety.
- In order to dispel concerns over harmful rumours getting worse due to the decision on the disposal policy, it is necessary for the Prefectural Government to urge the national government to thoroughly implement the release of treated water in accordance with the national government's Action Plan for the Continuous Implementation of the Basic Policy on Handling of ALPS Treated Water formulated in Dec. 2021.

Fuel debris retrieval

*Fuel debris: Molten nuclear fuel and other structural debris which have been solidified inside the reactor



Source: Ministry of Economy, Trade and Industry

- O It is necessary to have continuous surveillance carried out by the Association for Monitoring the Safety in Decommissioning to ensure the decommissioning progresses safely and steadily
- O Taking all possible measures such as explaining to all the persons involved with the decision on the disposal policy of the ALPS-treated water and gaining their understanding while spreading accurate information

Basic policy has been decided

Outline of the basic policy on handling the multi-nuclide removal equipment (ALPS) treated water

(13 Apr. 2021- Meeting of the Inter-Ministerial Council for Contaminated Water, Treated Water, and Decommissioning Issues)

harmful rumours and the fading awareness of the disaster in order to dispel concerns over new harmful rumours.

- Discharge of the treated water into the sea was selected considering the successful precedence in Japan and the ability to conduct secure monitoring.
- Discharge from the premises of the Fukushima Daiichi Nuclear Power Station will begin approximately two years later. The concentration of tritium, which is a radioactive substance, will be diluted to less than 1/40, below the regulatory standards.
- Support the fisheries industry to expand the sales channels of the Prefecture's fisheries products and call for flexible compensation from TEPCO
- Establish a new inter-ministerial council to consider necessary measures.

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Fukushima Prefectural Government

Action Plan for the Continuous Implementation of the Basic Policy on Handling of ALPS Treated (3rd Inter-Ministerial

Council (Concerning the Continuous Implementation of the Basic Policy on Handling of ALPS Treated Water held in Dec. 2021)

- 1. Framework for preventing reputational damage
- Thoroughly implement the handling of ALPS treated water to mitigate potential reputational damage
- Strengthen and enhance monitoring
- Work with third parties such as international organizations to oversee and ensure transparency
- Share and disseminate information to foster peace of mind
- Have strategic communication with the international community
- Examine and understand widespread knowledge about safety, etc.

2. Framework for overcoming reputational damage while continuing and expanding business with confidence

Following the decision on the disposal policy of ALPS treated water, the Prefecture has partially amended its strategy of strengthening countermeasures against

- Support demonstration of safety, improve productivity, expand sales channels, etc.
- Implement timely measures to prepare for the worst-case scenario of declining demand
- Compensate while being considerate of the parties affected by persistent reputational damage
- Continue to pursue future technologies to mitigate reputational damage

Policies to strengthen countermeasures (Fukushima Prefecture's strategies to strengthen measures to fight harmful rumours and fading public interest fifth edition *The Prefecture has partially amended in Jan. 2022)

The preferential tax system for measures against harmful rumours

- Eligible areas
- All 59 municipalities in the Prefecture
- Who can apply
- Individual business operators or corporations conducting specified business activities in any of the following business fields in the Prefecture.
- Business activities related to production, processing, distribution and sales of agricultural, forestry, and fisheries products.
- 2. Business activities supporting the promotion of tourism in the Prefecture.
- Details of special cases (1 or 2)
- 1. A 10 percent tax credit for payments such as salary will be given if specified disaster-affected people are hired.
- Special depreciation and tax credits will be provided when acquiring machines, devices, instruments, equipment and buildings, etc.
- Approvals 7 companies (as of 16 Feb. 2022)

Agricultural, forestry, and fisheries products

◆ Strengthen measures for distribution and sales.

• Measures promoting Fukushima brand products, etc.

and Fukushima products

- ◆ Improve the brand power and expand exports
- Projects strengthening competitiveness of Fukushima farm products, etc.
- ◆ Increase consumer confidence
- Strategic information dissemination of the agricultural, forestry, and fisheries products, etc.

Tourism

- ◆ Create tourism models clarifying the strengths and features of the region
- Projects promoting Hope Tourism, etc.
- ◆ Continue to spread information using overseas contacts, including virtually, etc.
- Projects recovering inbound tourists, etc.

Priority measures (strengthening measures while also taking into consideration concerns over the release of treated water)

Promoting understanding at home and abroad

- ◆ Spread accurate information
- Strategic information dissemination project about the charms of the Soso District, project to pass down the information about the disaster to the next generation, etc.
- ◆ Spread the charms
- An all-Fukushima promotion week project in central Tokyo, information dissemination project to dispel harmful rumors overseas, etc.
- ◆ Spread information using bonds
 - Project to promote the Prefecture using the legacy of the Tokyo 2020 Olympic and Paralympic Games, etc.

Underlying measures

- ◆ Thoroughly inspect the food
- Projects dealing with radioactive materials in food products, etc.
- ◆ Have risk communication concerning radiation
- Projects promoting food security and safety
- Spread information about the progress in restoring the environment
- Projects managing and operating the Fukushima Prefectural Centre for Environmental Creation (main building), etc.

Strong support for businesses

- ◆ Strengthen measures for fisheries industry
- Project to foster next generation human resources for the fisheries industry, etc.
- ◆ Promote production and consumption of local food
- Project to support the development of areas producing flowers unique to Fukushima
- ◆ Enhancing the local charms, brand power and expanding exports
- Project to attract more visitors utilising cultural assets and other elements

Spreading information (cooperation, co-creation, etc.)

- Spread information in cooperation with each department
 Fukushima Prefecture's strategic information dissemination
- ◆ Spread information about the current situation and the charms of Fukushima
- Projects promoting the use of J-Village

project to meet challenges, etc.

- ◆ Expand the collaboration and co-creation
- Projects supporting municipalities and local communities, etc.

Negative image of Fukushima which has not yet recovered Source: Survey by Consumer Affairs Agency (on Mar. 2022) (Survey on purchase of food items)

6.5% of people who are concerned about radioactive materials in food products answered "I am reluctant in purchasing Fukushima products"

(Regarding the monitoring for radioactive materials in food)

59.4% of people answered "I do not know" about the monitoring inspections



- > Deeply rooted harmful rumours and fading of memories related to the disaster over time
- > Concerns over new harmful rumours by the disposal of ALPS treated water

(9) Impact of disasters, etc. on the revitalization efforts (COVID-19)

I Impact

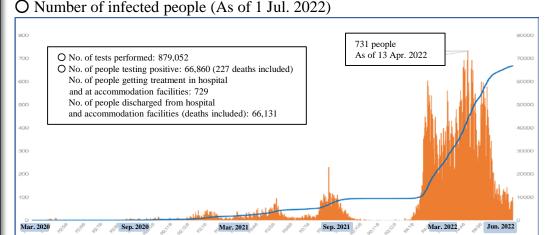
Three crises impacting revitalization and reconstruction

- O People in the Prefecture who have been helping in the revitalization efforts after experiencing multiple disasters could be discouraged
- O People will not be able to understand the revitalization efforts due to the cancellations of events and ceremonies
- O People who are engaged in revitalization efforts and supporters, etc. will not be able to do activities with local people at actual places

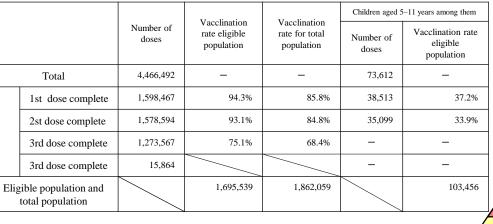
Highlighted Challenges

- 1. Existing challenges have become apparent and have been changing rapidly (digitalization, etc.)
- 2. New manner in securing physical distance
- 3. Challenges that should be addressed seamlessly (Reconstruction/revitalization, disaster reduction/prevention)

II Medical treatment systems to treat COVID-19 (Fukushima model)



O COVID-19 vaccination rollout (As of 3 Jul. 2022)



*Population is estimated from basic resident redister date as of Jan. 2021.

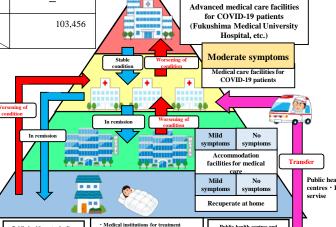
*Vaccination rate of a fourth dose has not been calculated for now due to the difficulty in figuring out the number of eligible population ranging from those aged 60 years and older to those aged 18–59 years with underlying medical conditions.

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Decisions on

treatment



ı	•	Properly dividing the roles of medical facilities and accommodation facilities for medical care. Also, creating a system that allows patients who tested positive for COVID-19 to
ı		receive medical care depending on their symptoms. Fukushima Medical University Hospital and other advanced medical institutions have been treating severely ill patients.

- 827 emergency hospital beds and 1,547 rooms in treatment facilities secured for the next wave of infections.
- Securing PCR test capacity of 11,500 cases per day in order not to have patients wait to take the test.
- Treatment and testing for patients with fever and other symptoms are implemented by designating medical institutions (approx. 619) for treatment and testing in preparation for flu season.
- A follow-up centre for those who recuperate at home has been set up to monitor their health conditions and deliver food and other necessities.
- The prefectural headquarters manages hospitalization and the transferring of patients over a wide-area. It also supplies and delivers medical goods needed for medical treatment.
- Securing a stable and wide-area transfer system across the Prefecture. This is done by requesting the cooperation of fire services and concluding a comprehensive agreement with all the public health centres and fire services in the Prefecture, and also by hiring private taxi companies.
- Making use of the "Kibitan Healthcare Network", a medical information network which connects related medical care facilities with accommodation facilities for patients.
 Quickly sharing medical information such as diagnostic imaging results from CT and MRI scans.
- Creating various manuals to smoothly carry out vaccinations and providing them to municipalities and relevant organisations. Supporting the securing of healthcare related workers and flexible arrangement of vaccines (vaccine adjustment scheme) between municipalities, and supporting initiatives of municipalities to conduct the vaccinations. Establishing large vaccination sites in cooperation with the core cities, Financial support for small-to-medium-sized enterprises, universities, etc. which are implementing workplace vaccination programs. Offering support money for individual vaccinations at medical institutions which provide vaccinations.

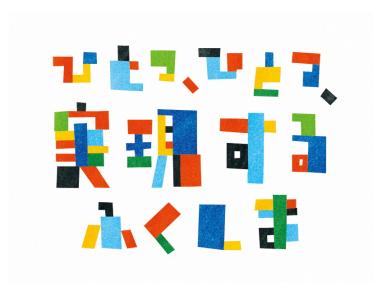
III Initial budget for FY2022 Major projects to respond to COVID-19

O Enhancing medical treatment systems and preventing the spread of infections

- · Developing and strengthening a treatment and testing system which allows local outpatient facilities to conduct treatment and testing
- · Developing a system which provides a variety of choices for testing for those worried about getting infected when cases are trending upward
- · Securing beds by subsidising fees for medical institutions which secure beds for COVID-19 patients
- · Securing, operating and managing accommodation facilities for patients as well as sending doctors and nurses there to manage the patients' conditions
- Securing a treatment and prescription system for those who recuperate at home and strengthening the system to monitor their health conditions while taking
 preventative measures for their family members living together
- Setting up a call centre to provide specialised consultation services, supporting individual and workplace vaccination programs as well as securing a system to run large-scale vaccination sites jointly with municipalities for a smooth vaccine rollout

O Maintaining, recovering and revitalizing social and economic activities

- In regards to the funding of SMEs, which have had their business impacted from COVID-19, special funds in the form of accompaniment support from financial institutions will be added to the existing initiative and support will continue
- Providing SMEs with subsidies for expenses needed to introduce production equipment or do research to reconstruct disrupted supply chains
- · Supporting the use of Fukushima Airport during stopovers and using rental cars in order to promote the use of the airport
- Supporting the purchase of Fukushima sake at retail stores and restaurants which serve them in order to promote their distribution



From "Future from Fukushima" to
"Make it a reality": The new slogan for
Fukushima Prefecture

For the tenth anniversary of the disaster, Fukushima Prefecture has created a new slogan from its former, "Future from Fukushima".

"Make it a reality" means continuing to bring each individual's strengths together, connect their thoughts, and mold them into something tangible.

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