



～Fukushima Today～

Steps for Reconstruction and Revitalization in Fukushima Prefecture



Cherry blossom tunnel in the Yonomori district

Beautiful cherry trees continue to bloom as though they too are praying for the town's revitalization.

Tomioka Town

**Fukushima
Prefecture**

29 Mar. 2021

New Fukushima Revitalization Promotion
Headquarters

— Index —

■ Coming into a decade since the disaster

1 Revitalization efforts and challenges

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After 10 years from the disaster

Revitalization in Fukushima has been making steady progress. The evacuation order was partially lifted for Futaba Town where all residents had been evacuated and there was the opening of the Great East Japan Earthquake and Nuclear Disaster Memorial Museum as well.

On the other hand, the path to revitalization is still long and difficult. Due to the unprecedented compound disaster, many people are still evacuated. In addition, other disasters such as Typhoon Hagibis, the Fukushima-oki (offshore) Earthquake, which occurred in February 2021, and the effects of COVID-19 have caused an enormous impact amid our revitalization efforts.

Efforts towards decommissioning



⇒P.11

Photo provided: TEPCO

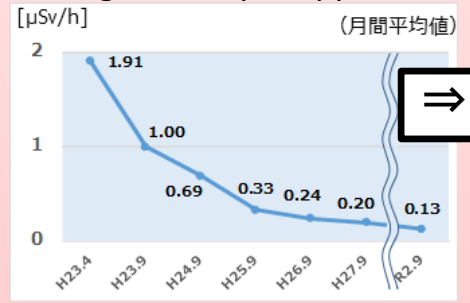
ALPS-treated water



⇒P.11

Revitalization efforts that have shown great progress

Atmospheric radiation levels have significantly dropped



⇒P.1

Fukushima Robot Test Field was fully opened



⇒P.9

Fully opened on 31 March, 2020

Drone transportation test



Development of flying cars



JR Futaba Station on the Joban Line reopened in Mar. 2020



⇒P.2

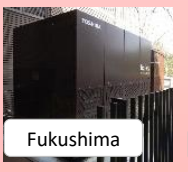
Renewable Energy-derived Hydrogen generation and usage project



⇒P.9

Opened on 7 March, 2020

Stationary pure hydrogen fuel cell using manufactured hydrogen



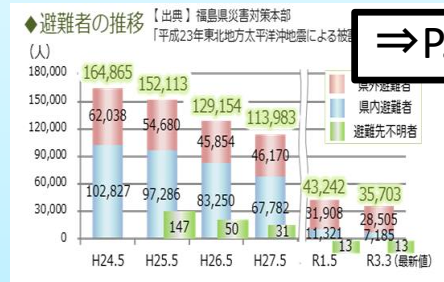
Fukushima



Naraha

Revitalization efforts still in progress

More than 35,000 people remain in a state of evacuation



⇒P.2

Final disposal of contaminated soil outside the Prefecture within 30 years after launching the Interim Storage Facility



⇒P.1

Measures taken against COVID-19 (Reception in a lodging facility for patients with mild symptoms)



⇒P.12



⇒P.13

Fukushima Pride Delivery Service Total sales of the online store reached 3 billion yen in FY2019.



⇒P.6

The Great East Japan Earthquake and Nuclear disaster Memorial Museum



⇒P.7

Opened in Sep. 2019



During the second reconstruction and revitalization period, it is important to flexibly and steadily respond to the continuing and latent issues while also working in parallel on measures against the damage by natural disasters and the effects of the COVID-19 pandemic. This is to ensure that reconstruction and revitalization are not delayed.

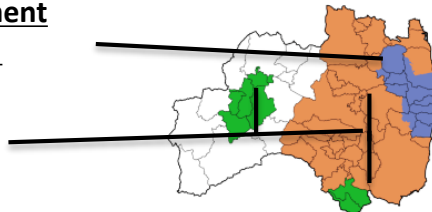
Revitalization is moving into a new phase in the second reconstruction and revitalization period ⇒P.14

(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.

Area the national government conducts decontamination (Blue)

Area each municipality conducts decontamination (Orange, Green)



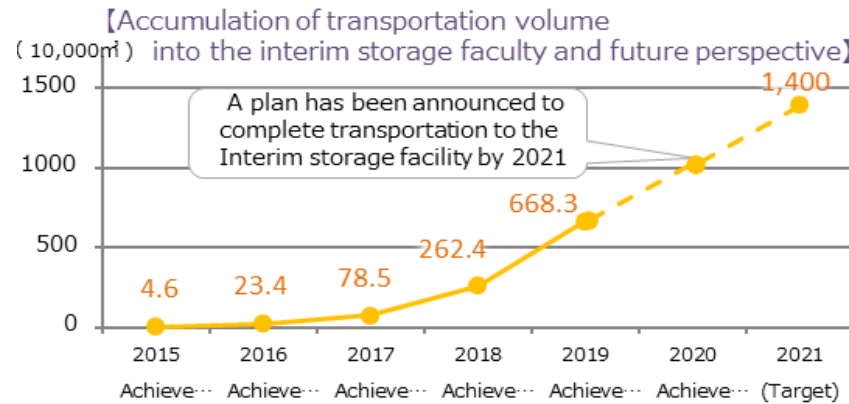
Environmental monitoring, research information release education, training, exchanges



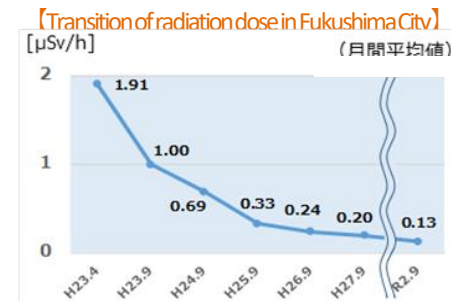
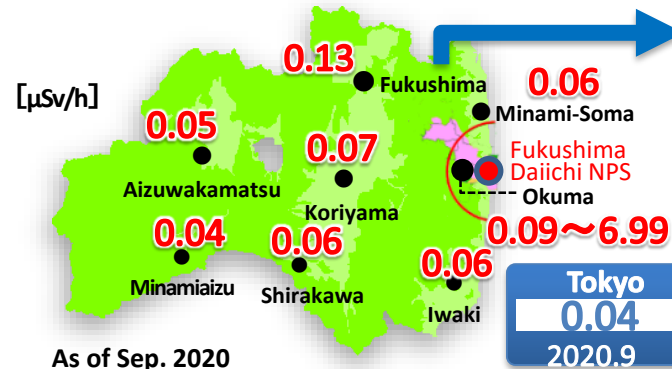
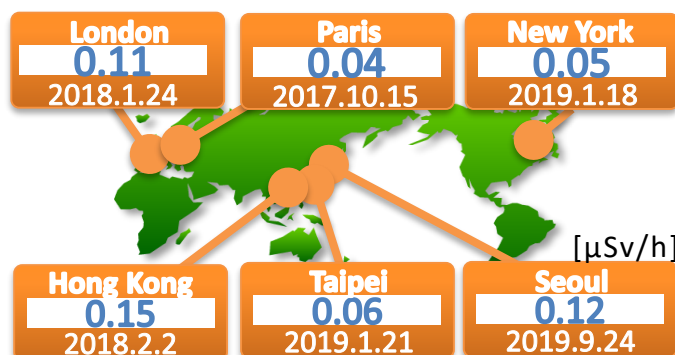
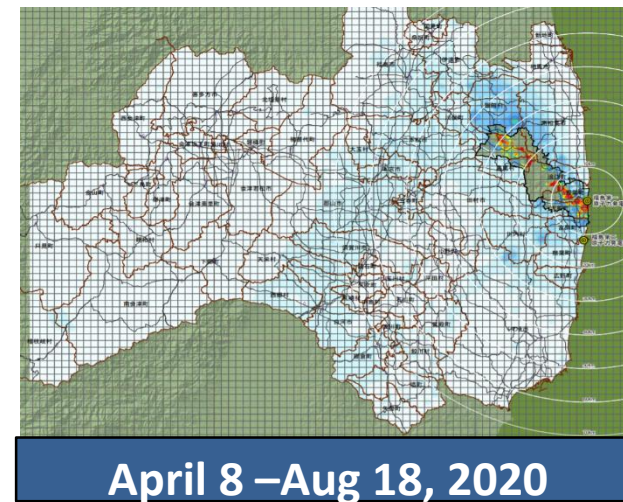
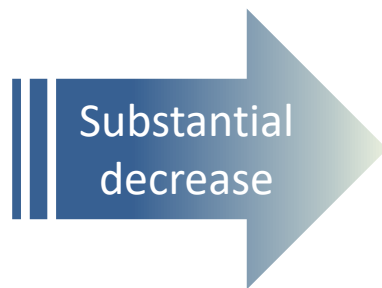
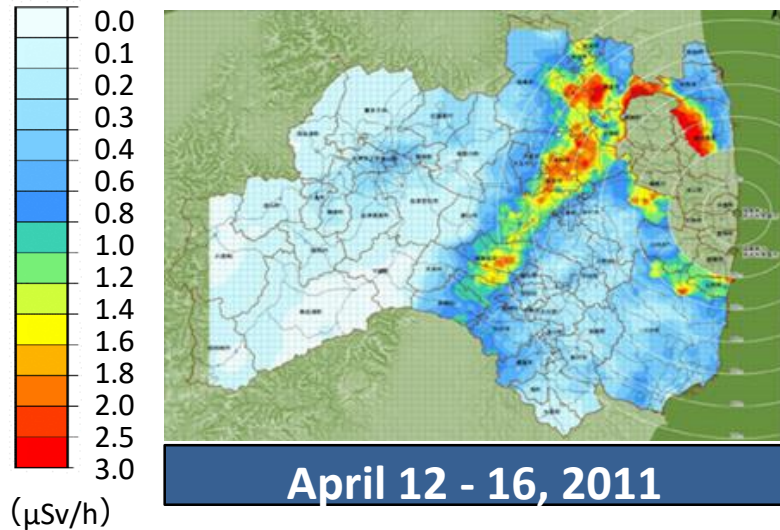
Environmental monitoring around the NPS

Municipality-led decontamination

Completed by Mar. 2018



○ Air radiation dose in Fukushima Prefecture



*Up until the 3rd edition, the figures listed were taken as of 12:00 am on the first of each month, but monthly averages are now listed starting in the 4th edition to eliminate fluctuation due to rainfall and other weather events.

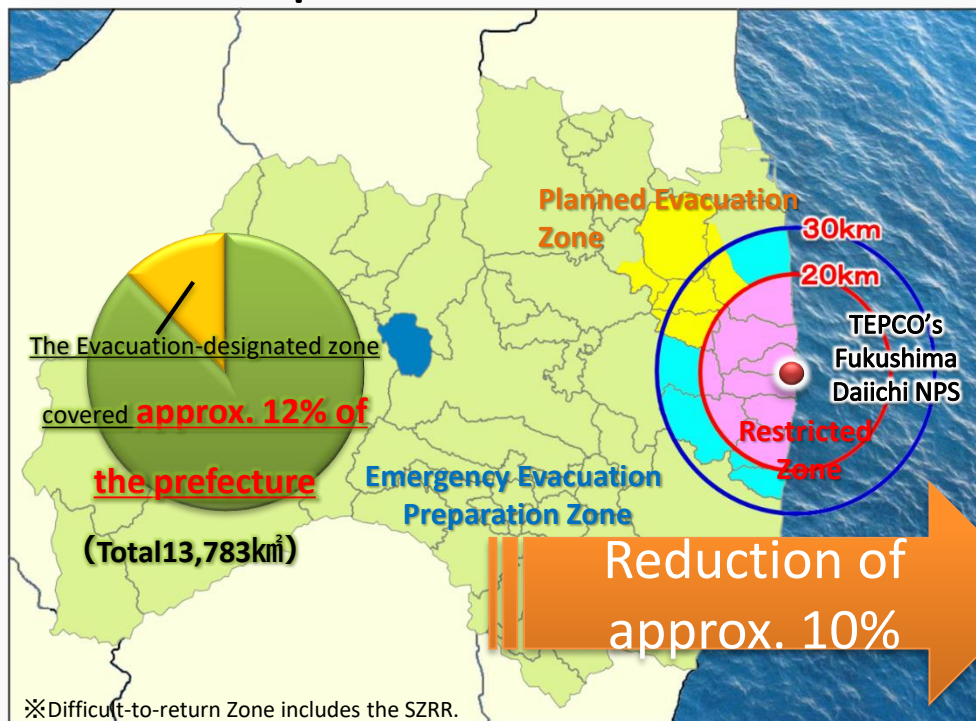
【Challenges and Responses】

- Restoration of land used for Temporary Storage Sites as well as safe maintenance and operation of returned 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)

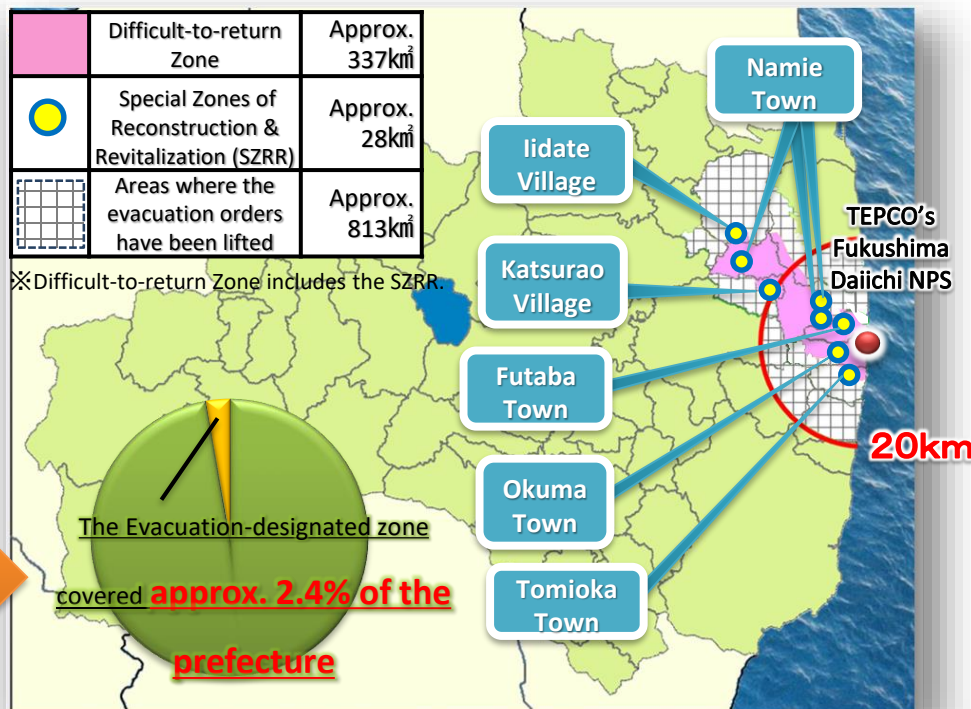
(2) Current status of the Evacuation-designated Zone

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%.

○ As of 23 Apr. 2011



○ As of 10 Mar. 2020 ~ Present



○ Lifting of evacuation orders in 2020

- 4 Mar. Futaba Town (around Futaba Station Evacuation Order Cancellation Preparation Zone)
- 5 Mar. Okuma Town (around Ono Station)
- 10 Mar. Tomioka Town (around Yonomori Station)

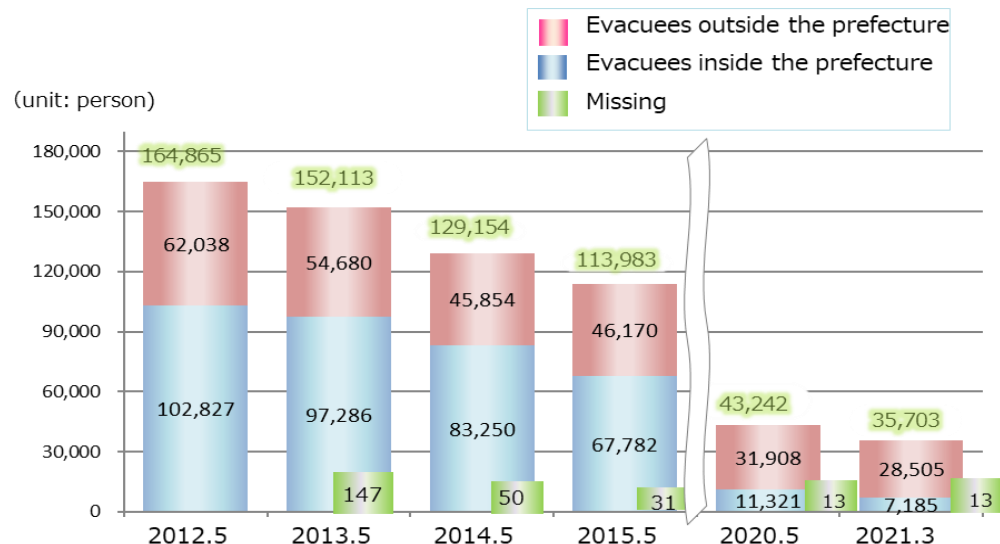
【Special Zones for Reconstruction and Revitalization】

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

	Total area	Target for lifting evacuation orders
Futaba Town	approx.555ha	Around Spring 2022
Okuma Town	approx.860ha	Around Spring 2022
Namie Town	approx.661ha	Mar. 2023
Tomioka Town	approx.390ha	Around Spring 2023
Iidate Town	approx.186ha	Spring 2023
Katsurao Town	approx.95ha	Spring 2022

(3) Change in evacuee numbers

◆ Transition of evacuees: Earthquake, Tsunami, NPS accident



Futaba Station reopened 14 Mar. 2020

Proportion of residents in the 12 municipalities of the evacuation areas (Mar.2021)

Period when orders were lifted	Category	Municipalities	Rate of residents
—	—	Hirono Town	90.0%
2014	Lifted for whole area	Tamura City (Miyakoji District)	84.0%
2015	Lifted for whole area	Naraha Town	59.8%
2016	Partially lifted	Katsurao Village	31.5%
	Lifted for whole area	Kawauchi Village	81.5%
2017	Partially lifted	Minamisoma City (Odaka District)	56.2%
	Lifted for whole area	Kawamata Town (Yamakiya District)	47.4%
	Partially lifted	Namie Town	9.6%
2019	Partially lifted	Iidate Village	28.4%
	Partially lifted	Tomioka Town	12.9%
2019	Partially lifted	Okuma Town	2.8%
2020	Partially lifted	Futaba Town	—

*Futaba Town aims to have residents return home by Spring 2022.

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

【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

【Challenges and Responses】

- 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.

(4) Health of Fukushima residents

The Prefecture is aiming to become one of the healthiest prefectures in Japan by implementing the Fukushima Health Management Survey and Projects for a Long and Healthy Life

The Fukushima Health Management Survey is being implemented to understand the health of residents, in order to maintain and improve their health into the future.

◆ Basic Survey 【Radiation Dose Estimates】

External exposure doses were estimated for a 4-month period immediately after the nuclear accident to 11 July 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.



The Projects for a Long and Healthy Life will try to respond to various health issues caused by changing environments after the disaster.

- Encouraging healthy thinking among residents.
- Educating the next generation through child health promotion programs.
- Health promotion that starts from a healthy diet.
- Protection from second-hand smoke.
- Improving consultation rate of health check ups and screenings.

The easy to use and fun "Fukushima Healthy App" helps residents to acquire a healthier lifestyle

iPhone端末の場合



App Store
からダウンロード

OSバージョン
iOS 9.0 以上

機種
iPhone 5s 以降



Android端末の場合



Google Play
で手に入れよう

OSバージョン
Android 5.0 以上

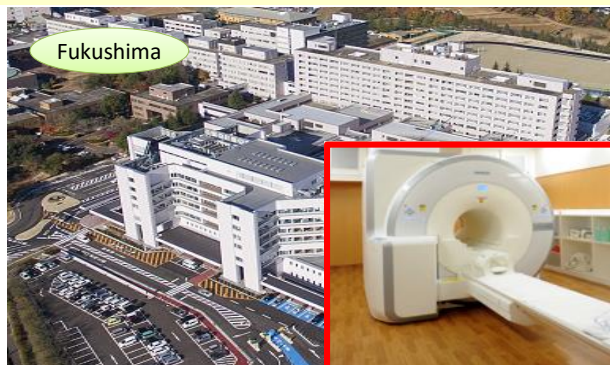
機種
Android 5.0以降を
初期OSとしている機種





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

Fukushima Global Medical Science Center



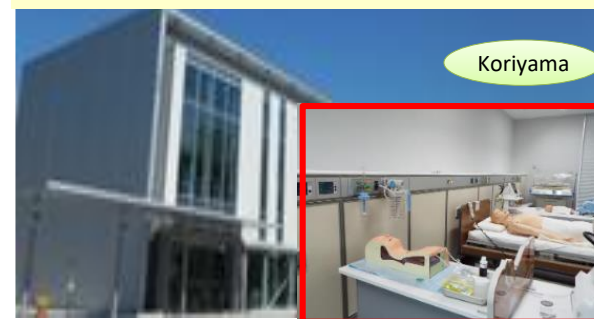
Providing cutting-edge medical care such as PET scans and MRI's

School of Health Sciences (tentative name) 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.

【Challenges and Responses】

- Secure 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.
 - Extend people's healthy life expectancy by encouraging a healthy lifestyle.
- The number of people who died from lifestyle diseases: Fukushima ranked the eighth-worst prefecture in Japan. [717.7 per 100,000 people (as of Oct. 2017)]

(5) Securing of housing and creating an environment for people to return

Construction of revitalization public housing has been completed to provide for those affected by the disaster with places to settle down. Development is progressing for other facilities such as medical and caregiving services, as well as, shopping facilities necessary for people to move back.

◆ Revitalization Public Housing



Iwaki City : Iwasaki housing complex



Okuma Town : Disaster public housing

◆ Shopping facilities



Namie Town: Roadside-Station "Namie"



Naraha Town: KOKONARA Shopping Mall

◆ medical and caregiving services

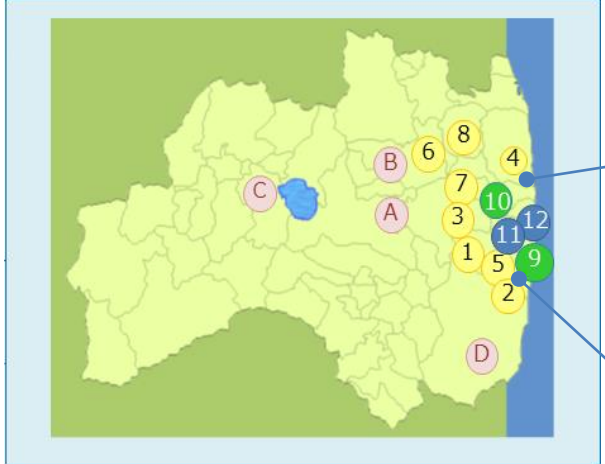


Futaba Town : Futaba Medical Center-affiliated Hospital



Multi-purpose medical helicopter

◆ Educational facilities



[1] Locally reopened schools		
1 Kawauchi Village 2012.4~	4 Odaka District Minamisoma City 2017.4~	6 Iitate Village 2018.4~
2 Hirono Town 2012.8~	5 Naraha Town 2017.4~	7 Katsurao Village 2018.4~
3 Miyakoji District Tamura City 2014.4~		8 Yamakiya District Kawamata Town 2018.4~
[2] Schools moved to evacuation sites (Some schools have resumed in their hometowns)		
9 Tomioka Town 2018.4~	↔ A Miharu Town	
10 Namie Town 2018.4~	↔ B Nihonmatsu City	
[3] Schools moved to evacuation sites (Remain at the sites)		
11 Okuma Town	→ C Aizuwakamatsu City	
12 Futaba Town	→ D Iwaki City	



Odaka Industrial Technology and Commerce High School

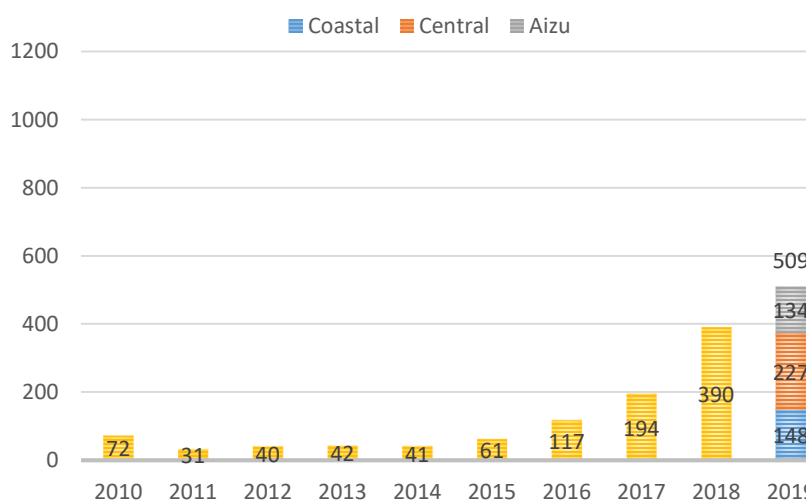


Futaba Future School Junior and Senior High school

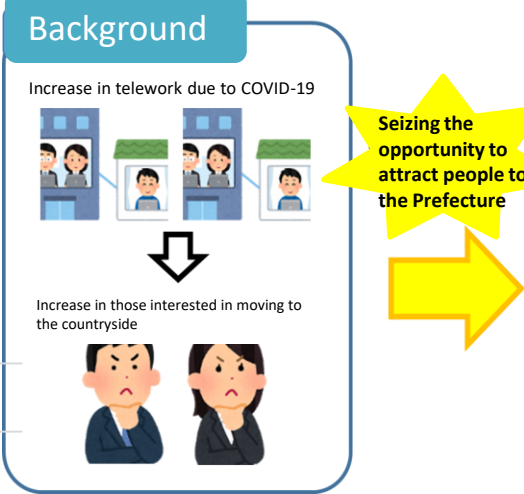
◆ Efforts being taken in the creation of new opportunities to relocate to Fukushima.

Currently, the younger generation, those in their 20s, 30s and 40s, accounts for nearly 80% of those who have moved to Fukushima from outside the Prefecture.

【The number of households settled or living dual habitation】 (limited to the number obtained by the Prefectural Government)



【Fukushima Telemwork Experience】



*Efforts in the evacuation areas

■ Projects to promote relocation to evacuation areas
 In order to attract people from across Japan to move into the 12 municipalities, more information will be communicated towards potential residents nationwide. Increasing the number of people visiting the Prefecture will be encouraged and systems for accepting them will be developed.



【Challenges and Responses】

- 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: 34% (as of Oct. 2020)
- 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

(6) Basic infrastructure

96% of reconstruction work has been completed. Development of transportation networks including roads has been progressing and train services along the entirety of the JR Joban Line have been resumed.

Site affected by the disaster: Iwaki City (Watanabe-machi)
Route 14
Damage: Collapsed slope due to a large landslide



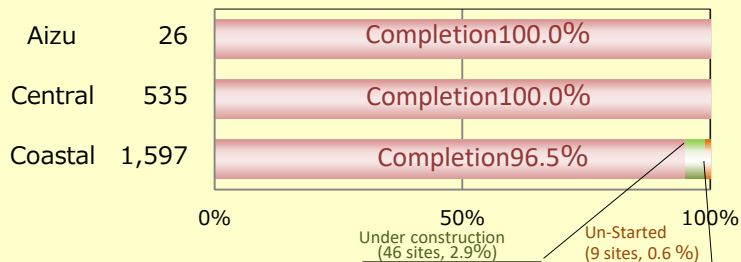
Site affected by the disaster: Hirono Town, Asamigawa District coast
※ Multiple protections against Tsunami (Seawall, green and open space, disaster prevention forest, and road)



◆ Progress by construction site

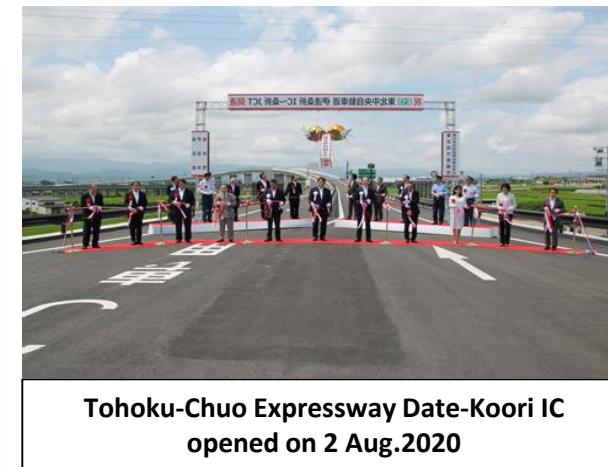
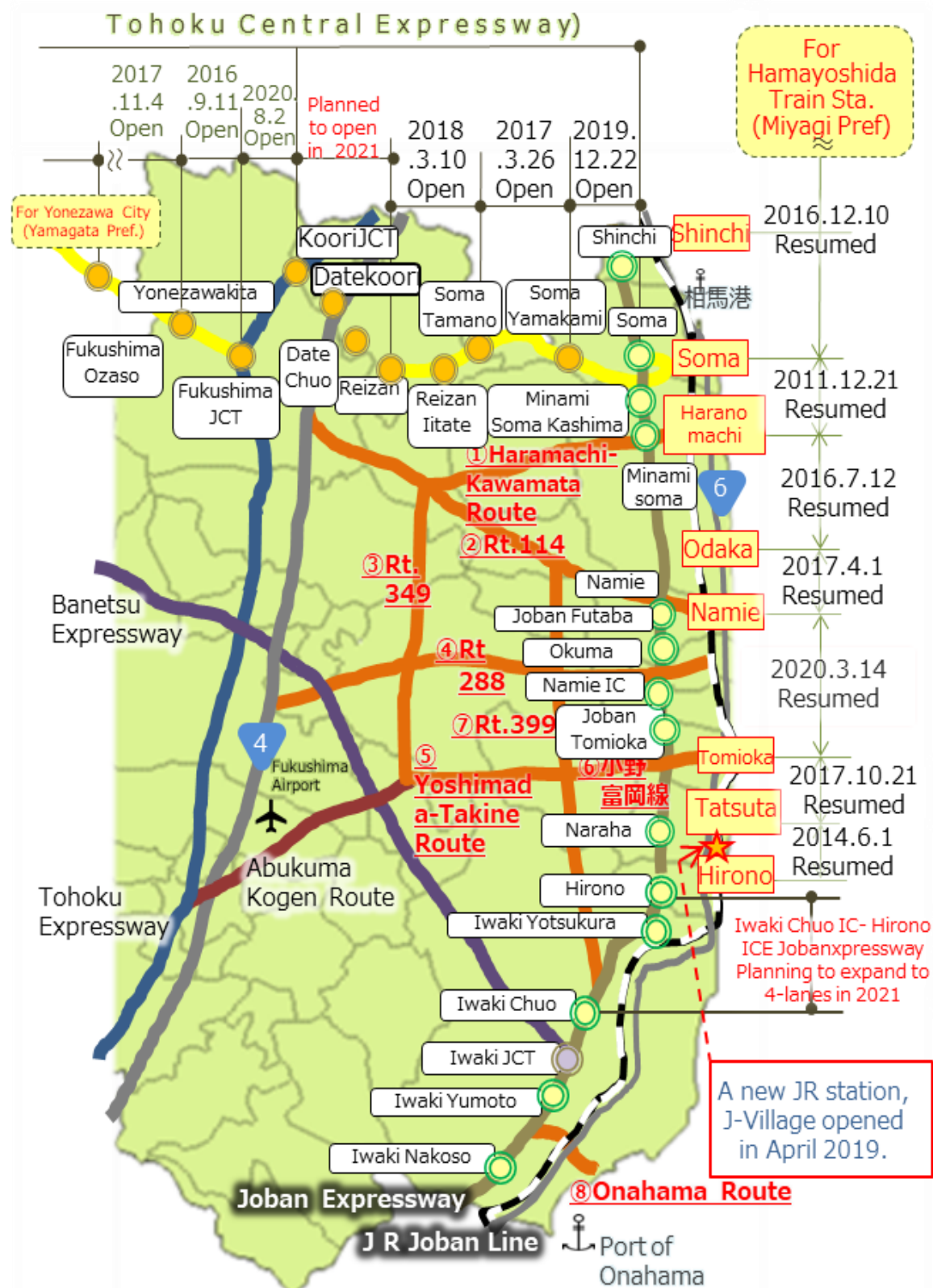
【As of 2021.1.31】

【 The regions 】



■ The Areas

Percentage of completion
100% . . . Port and harbors, Sewage, Park, Public housing, Fishing port
About 96% . . . River and sand erosion control, Road and bridge, Coast

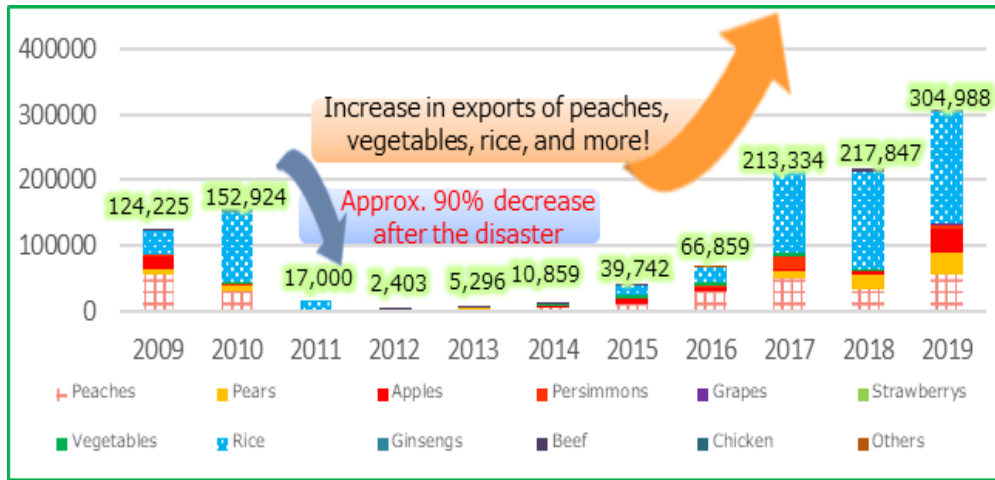


【Challenges and Responses】

- Impact on revitalization efforts caused by Typhoon Hagibis.
- Reconstruction of public works facilities and coasts in the Difficult-to-return Zone
- Development of the Fukushima Reconstruction and Revitalization road and strengthening of the road network which connects the east and west sides of the Prefecture.
- Creating a sustainable local public transportation network.

Situation of agricultural product exports has reached a record high for the third straight year, and farming has resumed gradually in the affected areas.

○Agricultural product exports

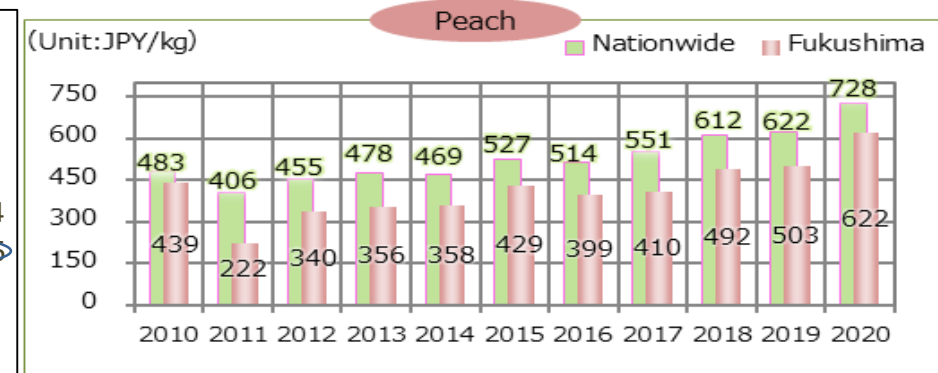
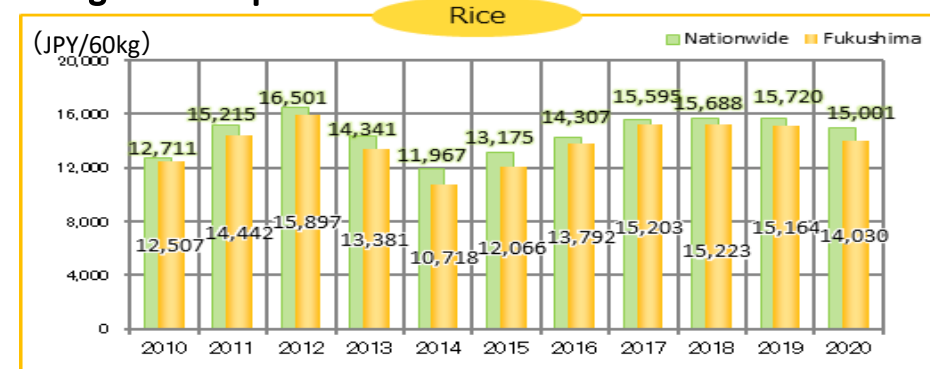


Exports of agricultural products to Asia are on the rise!



Selling rice

➤ Transition of the price for most Fukushima agricultural products.



~Import restrictions on food products from Fukushima~ (As of 2021.1.25)

- Countries and regions imposing an import ban on a wide range of products produced in Fukushima (4)
- Countries and regions imposing an import ban on some of the products produced in Fukushima (2)
- Countries and regions allowing import of foods only when inspection certificates are attached (9)

Number of countries and regions that have imposed import restrictions on food products from Fukushima

- Immediately after the nuclear accident 54
- As of 25 Jan. 2021 15
- *Restrictions lifted in 39 countries and regions

Fukushima's original rice variety "Fuku Warai"



- Regarded as the top rice brand of the Prefecture, it will make a full debut from FY2021 with a limited volume of production due to farmers' commitment to taste and quality.
- Making "Fuku Warai" a driving force for improving the image of all the rice produced in Fukushima and increasing sales prices.

Farming has resumed in the affected areas



Nexus farm Okuma (Okuma Town)

Smart agriculture initiatives



A Power Assist Suit for agricultural work

Wildlife Damage



Wild boars captured in a cage trap

【Challenges and Responses】

- Regaining the price of agricultural products to the national average (Promoting branding of Fukushima products).
- Wildlife damage control.
- 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: 32.2% (March 2020)
- 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.

ふくしまの旬がネットで買える!

ふくしまプライド便

各オンラインストアで「ふくしまの農林水産物・逸品」をご購入いただけます。



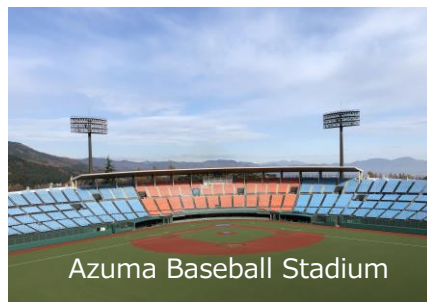
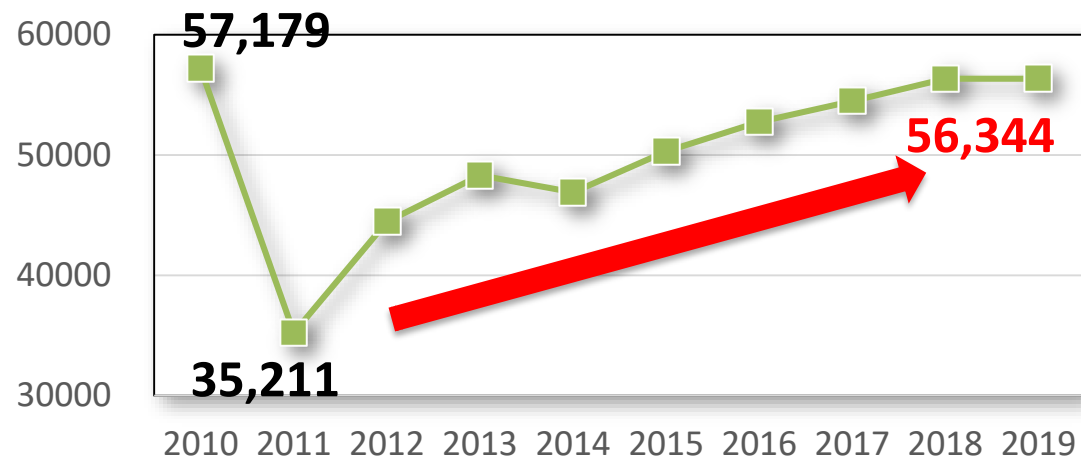
■ Fukushima Pride <https://fukushima-pride.com/>



The number of tourists visiting Fukushima has recovered to 98.5% of pre-disaster levels, and the number of educational tours to 89%. However, the growth rate of inbound tourists has not yet reached the national average.

○ Tourists from outside Fukushima

(Unit : Thousand people)



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



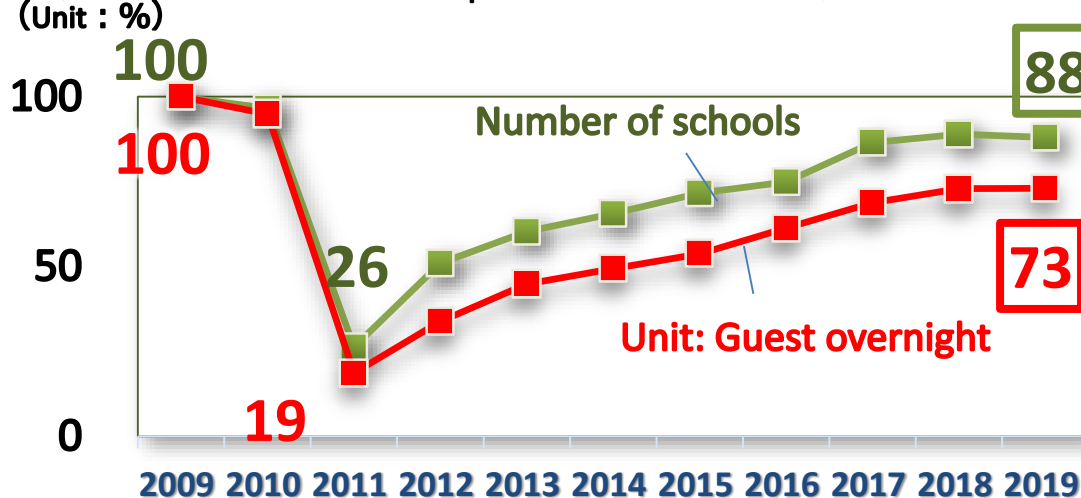
The Grand Start of the Torch Relay will take place in Fukushima

No.1 Tadami River Bridge Viewpoint which attracts tourists from around Japan and the world (Mishima Town)



○ Educational Tour

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



Promotion of Hope Tourism especially in Hamadori (Coastal Region)

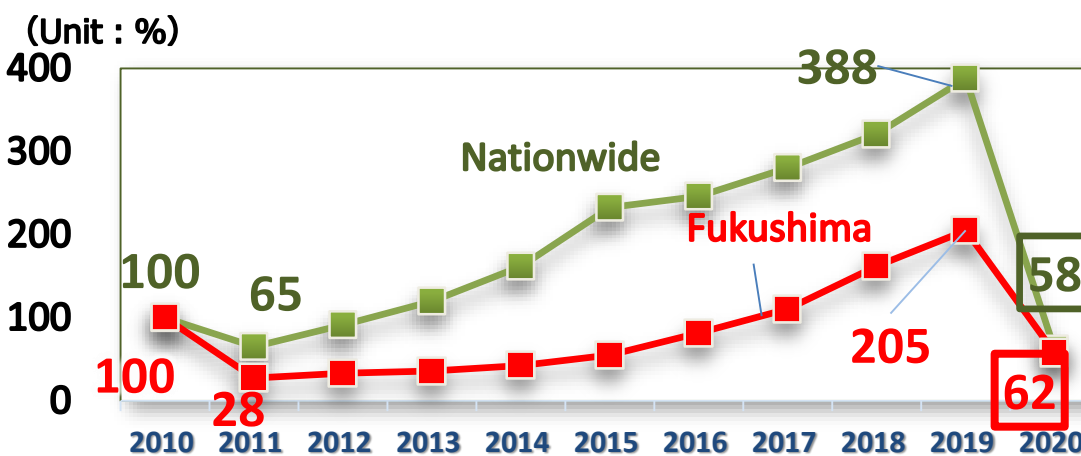


東北DC 検索

Using the Tohoku Destination Campaign and other events to promote tourism

○ Total number of international guests

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



The "Kenminwari" hotel discount campaign exclusively for the people of Fukushima will be available again in FY2021. It is for promoting the use of inns and hotels in the Prefecture hit hard by COVID-19. For more information, check the "Fukushima no Tabi (Fukushima Journey)" website, available from 1 Apr. Please take advantage of this campaign.

ふくしまの旅 検索

Revitalizing the tourism industry in the Prefecture with Fukushima's "Kenminwari" hotel discount campaign

【Challenges and Responses】

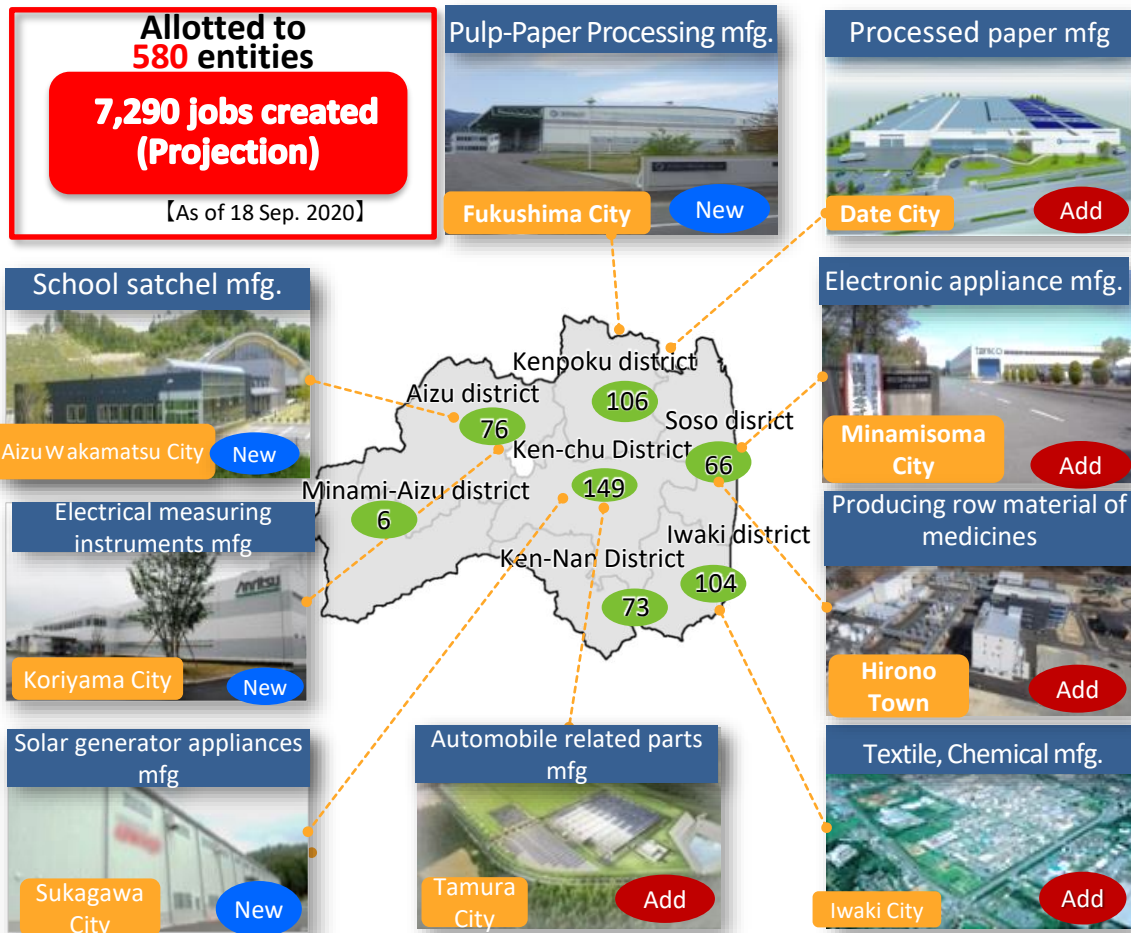
- Recovering the number of educational tours by expanding target regions while continuing to focus on students from neighbouring and metropolitan areas.
- Communicating information to attract more foreign tourists in a post-pandemic world
- Taking the opportunity of the Tohoku DC and Tokyo Olympics and Paralympics to attract more visitors
- Creating content for tour programmes unique to Fukushima, such as Hope Tourism, in cooperation with the Great East Japan Earthquake and Nuclear Disaster Memorial Museum and other hub facilities

(7) Industry ③ Business investment and employment creation

The shipment value of products in the Prefecture has recovered to exceed the benchmark set before the disaster (2010). The Prefecture's gross product growth rate has also exceeded that of Japan's GDP.

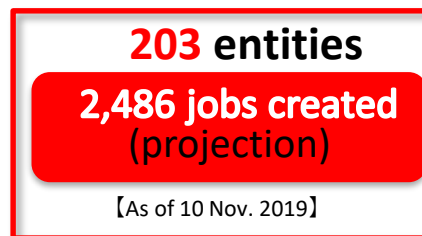
○ Fukushima business investment subsidy for revitalization of industries

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.



○ Subsidy to business investment for employment creation in the tsunami and nuclear disaster-affected areas

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



○ Subsidy for investment promotion for the support of self-help and return and the employment creation

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.



Seminar on Industrial Sites for Business Establishment under the Fukushima Innovation Coast Framework

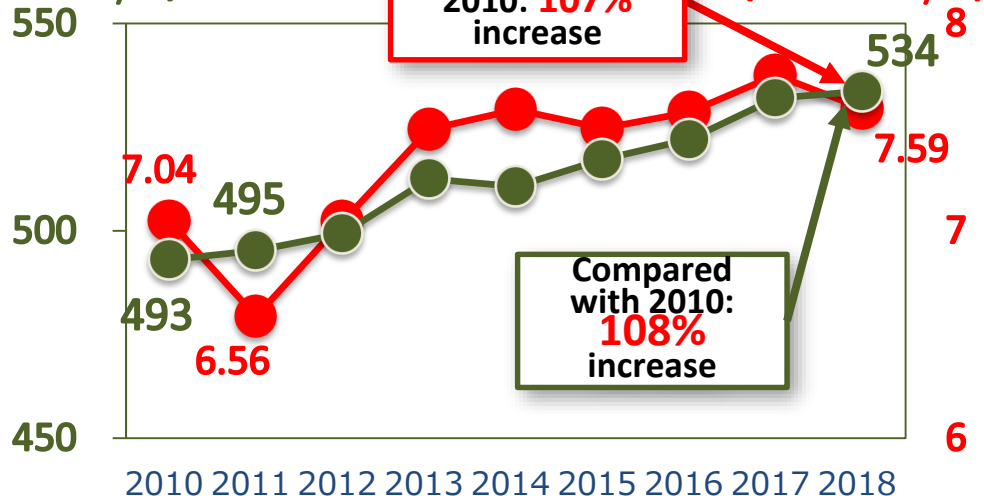


【Challenges and Responses】

- Recovery of the industrial bases in Futaba County and the Coastal Region. Accelerating the Fukushima Innovation Coast Framework to develop self-sustaining 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.

○ Real GDP

(Unit: Trillion yen)



○ The Prefecture's gross product

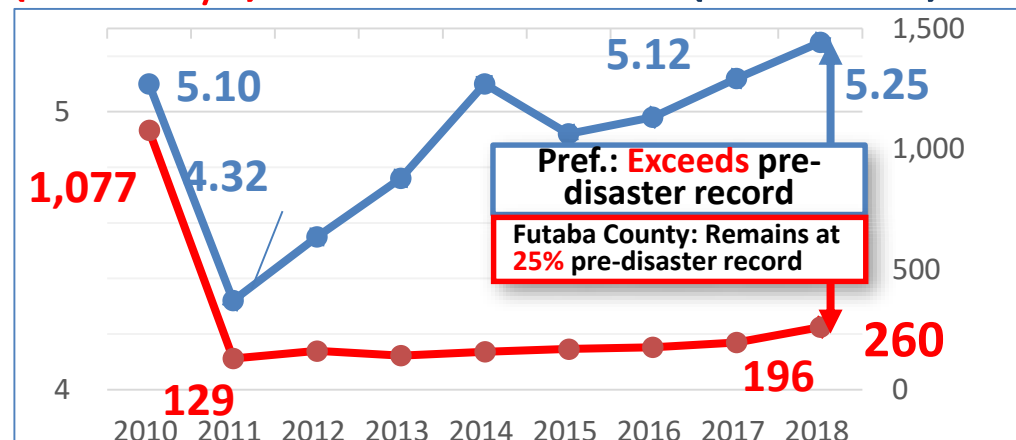
Compared with 2010: 107% increase

(Unit: Trillion yen)

Compared with 2010: 108% increase

○ The shipment value (Fukushima Pref.)

(Unit : Trillion yen)



○ The shipment value of products (Futaba County)

(Unit : 100 million)

(7) Industry ④ The Fukushima Innovation Coast Framework I

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.

◆ There are 3 core pillars based on a blueprint drawn up on Dec. 9, 2019 for the development of industry with the Innovation Coast Framework.

- 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)







Agriculture, Forestry and Fisheries Industries 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)

Robots and Drones Clustering of industries with the Fukushima Robot Test Field as the core

- The world's unprecedented facility for performance evaluation and performing maneuver training of robots and drones, and 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 development

- The Translational Research Center focuses on technology transfer and consulting support for businesses in the Coastal region and other areas as well as aims to promote the clustering of pharmaceutical and related industries (Fukushima City)
- Integrating support from the development through to the commercialization of medical devices (Fukushima Medical Device Development Support Centre, Koriyama City)




Energy, the Environment and Recycling Establishment of advanced renewable energy and recycling technologies

- Fukushima Hydrogen Energy Research Field (FH2R) (Namie Town) is the world's largest facility for producing hydrogen derived from renewable energy. Hydrogen produced at FH2R is used in fuel cells installed in Prefectural Azuma Sports Park and J-Village. Electricity is supplied to both of these facilities.

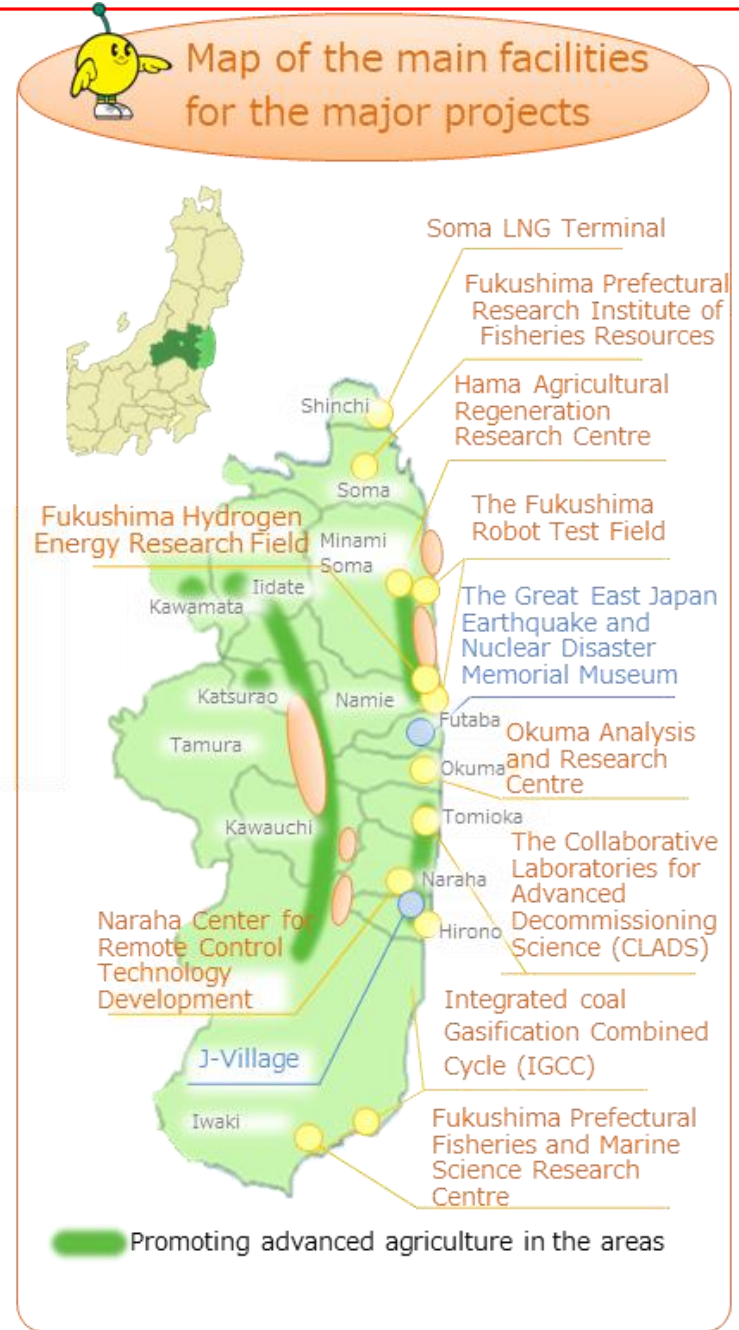




Aerospace industries Demonstrations of "flying cars" and attracting related companies

- Development of flying cars by SkyDrive Inc., a company which has a research room in the Fukushima Robot Test Field
- Products and technologies were introduced at the Robot and Aerospace Festa Fukushima 2020 with the aim of expanding business of local companies (November 2020, at BIG PALETTE FUKUSHIMA, Koriyama City)





Consideration towards establishing an international education and research hub

This facility is positioned to be a central hub of creative revitalization in the future, one that will work together with other established facilities in the Fukushima Innovation Coast Framework to maximise efficacy as a kind of control tower and conduct R&D as well as train human resources. The Reconstruction Agency is currently considering the possibility of opening the facility in 2024.

(7) 産業 ④福島イノベーション・コースト構想Ⅱ

◆構想の実現に向けた取組

Clustering of industries

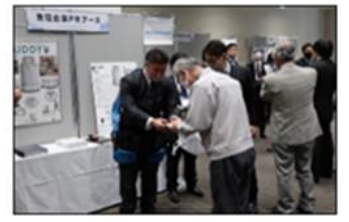
Creation of industrial complex and promoting business investment



■ Seminar on Industrial Sites for Business Establishment to publicize the most preferential system in Japan and environment of the location (Held in Tokyo, Nagoya, Osaka in the 2019 fiscal year)



■ Business exchange event aimed at matching newly established companies with local companies



Expanding the non-resident population

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 for them be familiar with the efforts of the Fukushima Innovation Coast Framework.



■ Tours of the initiative's bases have been taking place for businesses.



Spreading information



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

■ We collect and archive mainly nuclear disaster related materials and use them for displays and presentations, research and training. By disseminating information, we prevent memories of the disaster from fading and help with disaster reduction and prevention.



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 for public infrastructure

- Fukushima Robot Test Field - Fukushima station



Fostering human resources for the Fukushima Innovation Coast Framework

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.



■ Futaba Future School Junior and Senior High school

The school is working to develop human resources with advanced knowledge and skills that can handle new industries through the collaboration between commercial and industrial academic courses. It is also striving to acquire robotics technology for its participation in the World Robot Summit to be held in FY2021.



■ 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 (global type) and is fostering global leaders. The school is working on the study of creating local communities, exploring future revitalization, and supporting top athletes.

Foresting human resources in education

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



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

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



The number of factories and other facilities established in the Coastal Region and other areas

■ Utilising the business investment subsidies [As of Nov. 2020]

- 385 entities have set up new or additional factories
- 4,422 jobs created (projection)

【Examples of business investment agreements concluded】

- **Minamisoma City and ROBOTCOM & FA.COM Co., Ltd.**
 - Development and manufacture of robot packages (Scheduled to start operation in 2021)
- **Naraha Town and Toyotsu Lithium Corporation**
 - Manufacture of on-board lithium-ion battery (Scheduled to start operation in 2021)
- **Kawauchi Village and OHASHI KISAN Co., Ltd.**
 - Manufacture of components of construction machines (Scheduled to start operation in 2021)
- **Tomioka Town and Katayama Manufacturing Co., Ltd**
 - Manufacture of cooling parts for semiconductors in electric vehicles (Scheduled to start operation in 2021)

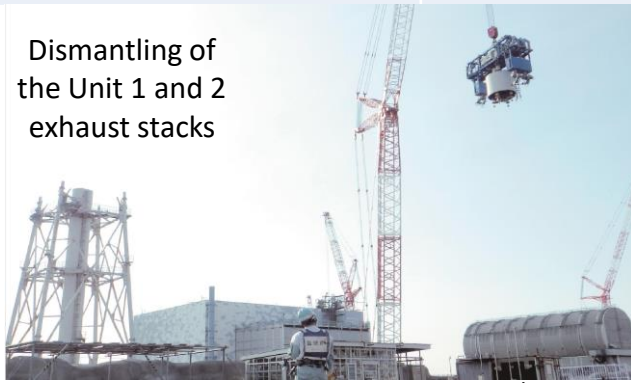
【Challenges and Responses】

- 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 along with establishing an international education research hub

(8) 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 150m ³ /day (within 2020) Reduce to 100m ³ /day (within 2025)	Measures have been taken to prevent rainwater from seeping by repairing damaged portions of roofs of turbine and reactor buildings, paving the surface of the ground (facing) to reduce the volume of contaminated water.
Fuel removal from spent fuel pools	Complete fuel removal from Units 1 to 6 (within 2031)	Unit 1: Rubble is being removed from the upper part of the reactor building. Unit 2: Investigation of the pool did not find any damage to the fuel. Unit 3: Work is underway with the aim of completing fuel removal by the end of FY2020. Unit 4: Fuel removal was completed in 2014.
Fuel debris retrieval	Begin fuel debris retrieval from initial reactor (From Unit 2 (within 2021))	Unit 1: An additional investigation and analysis inside the primary containment vessel is being planned. Unit 2: A robot arm is currently being developed as a means to retrieve fuel debris. Unit 3: An additional investigation and analysis inside the primary containment vessel are being planned.
Waste measures	Develop technical outlook for treatment and disposal methods and their safety (around FY2021).	Construction of a solid waste incineration facility to dispose of waste such as fallen trees, rubble and used protective clothing is underway. A facility for analyzing low-to-medium-level radioactive waste such as rubble and incinerated ash is also being constructed.



Dismantling of the Unit 1 and 2 exhaust stacks

Source by TEPCO

Fukushima Daini NPS

Tokyo Electric Power Company Holdings, Inc. submitted a decommissioning plan to the Nuclear Regulation Authority (NRA) for approval in May 2020. It also submitted a request to Fukushima Prefecture and the towns where the power station is located for prior understanding about the decommissioning of Fukushima Daini.

- NRA has been reviewing the plan.
- The Association for Monitoring the Safety in Decommissioning has been confirming the content of the request.

【 Past developments 】

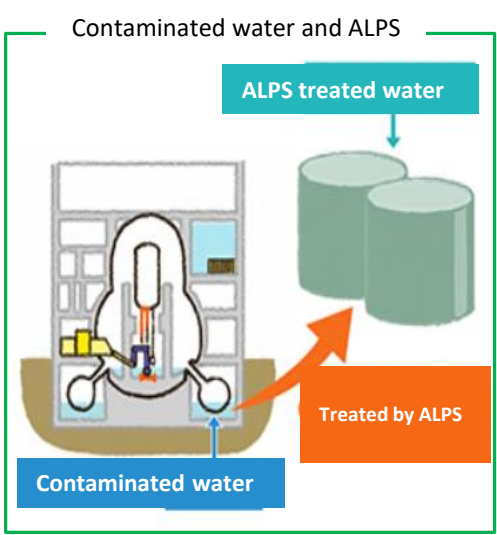
Sept. 2019 TEPCO submitted a notice of changes in the details of its power generation business to the Ministry of the Economy, Trade, and Industry in accordance with the Electric Utility Industry Law. With this, decommissioning of the Daini NPS has been determined.

Dec. 2019 The Fukushima Prefectural Government, Naraha Town and Tomioka Town where the power station is located, and TEPCO concluded the Agreement on Ensuring the Safety of the Surrounding Communities when Decommissioning the Fukushima Daini NPS.

【 Challenges and Responses 】

○ 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.

ALPS treated water



Contaminated water is being generated from the cooling of fuel which has melted (fuel debris) by the nuclear accident by the rainwater and groundwater flowing into the reactor buildings. ALPS treated water, in which most of the nuclides except tritium are removed using ALPS and other equipment, is being stored in tanks on the grounds of the Fukushima Daiichi NPS.



Information on decommissioning: "Learning about decommissioning"



Source: Ministry of Economy, Trade and Industry

I Impact

Direct impact caused by the prevention of the spread of COVID-19

Suspension and postponement of various events, etc.

- ◆ Postponement of the Tokyo 2020 Olympic and Paralympic Games and Torch Relay
- ◆ Postponement of World Robot Summit and other events
- ◆ Cancellation of tours visiting disaster-affected areas, etc.

Suspension of construction work to build facilities and extension of the construction period

- ◆ Suspension of construction work caused by contractors suspending business
- ◆ Extension of the construction period caused by the delay of materials being delivered, etc.

Impact on the commerce and agriculture industry

- ◆ Large decrease in sales of business operators who reopened for business in the disaster-affected areas
- ◆ Large impact on business operators in keeping employees
- ◆ Exports of agricultural products, which had been increasing significantly in sales, took a big hit, etc.

Restriction on activities to support disaster-affected people

- ◆ Temporary closure of a base supporting the rebuilding of livelihoods outside the Prefecture
- ◆ Postponement of visits to disaster-affected people and disaster-affected companies, etc.

Three crises impacting revitalization and reconstruction which were caused by the matters mentioned above

People in the Prefecture who have been helping in the revitalization efforts after experiencing multiple disasters could be discouraged

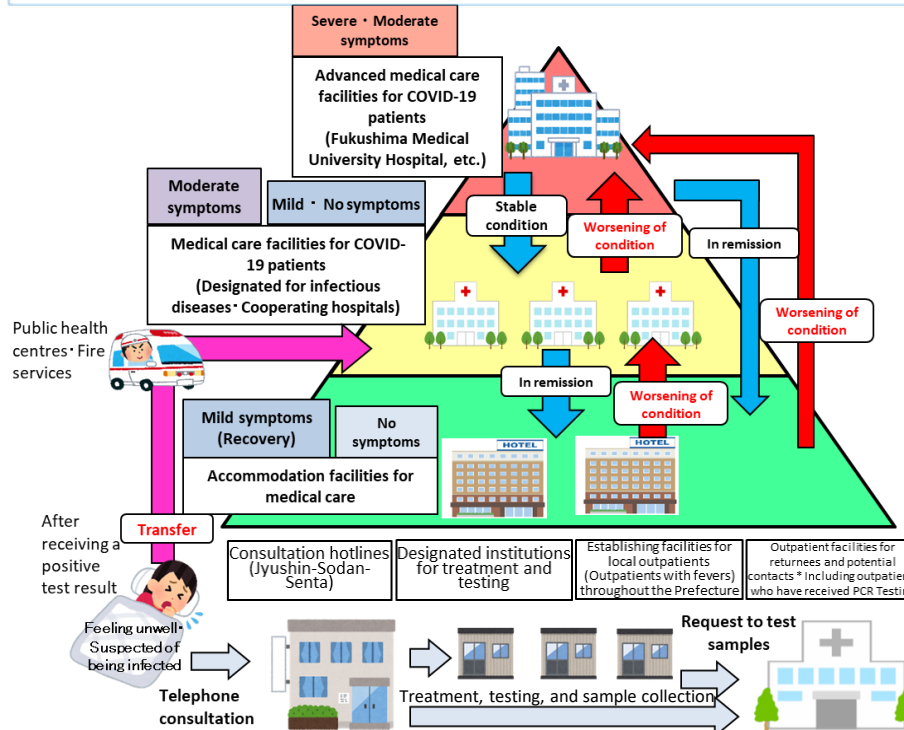
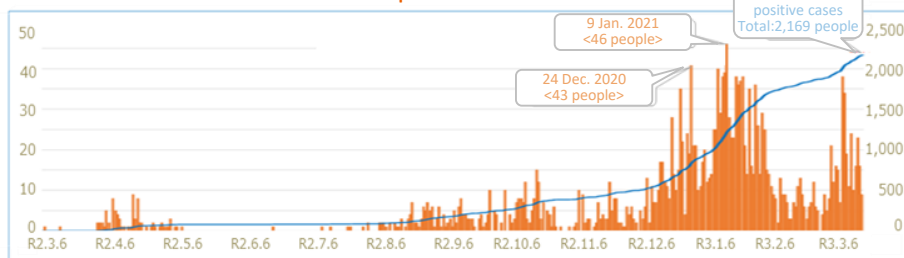
People will not be able to understand the revitalization efforts due to the cancellations of events and ceremonies

People who are engaged in revitalization efforts and supporters, etc. will not be able to do activities with local people at actual places

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

○ Number of infected people (As of 11 Mar. 2021)

◆ Trends in the number of new positive cases



- 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 receive medical care depending on their symptoms (Taking measures to have even mild patients hospitalized). Fukushima Medical University Hospital is treating severe patients or patients with worsening conditions
- Securing PCR test capacity of 2,842 cases per day in order not to have patients wait to take the test.
- Designating medical institutions for treatment and testing in preparation for flu season. Along with the services of outpatient facilities for returnees and potential contacts as well as local outpatient facilities (outpatient facilities for patients with fever), treatment and testing for patients with fever are implemented.
- The Prefectural medical management headquarters manages the transferring of patients over a wide-area and patients who have a risk of worsening conditions. The Headquarters also supply and deliver medical goods needed for medical treatment
- Requesting the cooperation of fire services and concluding a comprehensive agreement with all the public health centres and fire services in the Prefecture. Securing a stable and wide-area transfer system
- 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.
- Being the first in the country to support medical facilities treating COVID-19 patients by compensating for unused hospital beds

III Economic measures

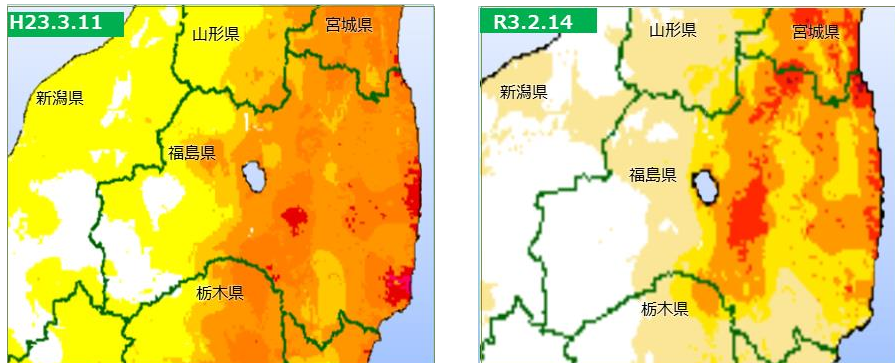
- In addition to the central government measures, the Prefecture is implementing its own initiatives in order to advance both the enhancement of medical treatment systems and the recovery of the prefectural economy in stages.
 - Securing beds for inpatients
 - Providing financial payments to business operators who cooperated with the request to shutdown business for infection prevention measures
 - Providing financing support for small and medium sized companies
 - Creation of employment opportunities through the prefectural government's commissioned projects
 - Promoting equipment installations to enhance the supply chains of small and medium sized companies
 - Supporting local public transportation companies trying to maintain operations
 - Supporting farmers whose income have fallen to enroll in income insurance. ,etc.

Implementing efforts in revitalization and reconstruction simultaneously with infection prevention measures and recovery of the economy

(9) Impact of disasters, etc. on the revitalization efforts
 ② Damage from the Fukushima Oki (offshore) Earthquake of 13 February, 2021

Damage from the Fukushima Oki (offshore) Earthquake of 13 February, 2021 (As of 22 Mar. 2021)

■ Seismic Intensity Map



■ Deaths: 1
 Seriously injured : 5
 Mildly injured: 95
 ■ Housing damage
 Totally destroyed : 52 houses
 Half Destroyed: 468 houses
 Partially damaged: 8,943 houses
 Public buildings: 511 buildings
 Others: 629 buildings

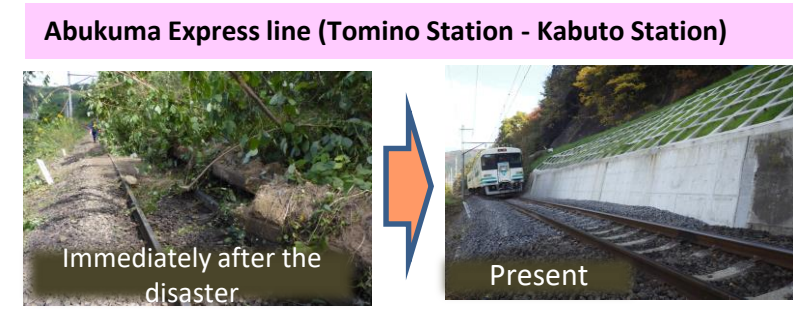


◆ Damage situation

- Due to the earthquake, a landslide occurred on the Joban Expressway between Soma IC and Shinchi IC, which lead to road closures on expressways, national and prefectural roads for five days (currently restored). The opening of the Tohoku Chuo Expressway was also postponed from its original date of March 2021. Damage was also observed in harbors, fishing ports, and agricultural water reservoirs.
- From this earthquake, 17 municipalities were covered by the Disaster Relief Act, and 3 cities and towns were covered by the Disaster Victims Livelihood Recovery Support System (as of 15 Mar. 2021). Surveys and procedures for issuing disaster victim certificates are being conducted in the affected municipalities.

Damage caused by Typhoon Hagibis (As of Mar. 9, 2021)

■ Deaths: 38 (including 6 disaster-related deaths)
 ■ Evacuees: 3,019
 ■ Housing damage:
 Totally destroyed 1,434 houses, Partially destroyed 12,010 houses.
 ■ Public infrastructure facilities disaster assessment:
 approx. JPY 92.8 billion
 ■ Damage to agriculture, forestry and fisheries industries:
 approx. JPY 63.6 billion
 ■ Damage to commerce and Industry: JPY 93 billion
 ■ Damage to the Prefecture's cultural properties:
 approx. JPY 0.5 million
 ■ Damage to Social and educational facilities: approx. JPY 2 billion



【Supporting aid】

- Counselling for everyday life, checking in with members of the community as part of isolation prevention
- Subsidies for supporting enterprise groups, sustaining small businesses, etc. to support resumption of business and disaster prevention.
- Supporting the restoration of agricultural machinery and the resumption of farming
- Early restoration of damaged sites such as roads, rivers and farmland

【Challenges and Responses】

- Early restoration of damaged sites such as roads, rivers and farmland
- Continue to carefully support affected people who are engaged in commerce and industry
- Developing disaster-resistant communities which can withstand intense and frequently occurring disasters by promoting disaster prevention measures, disaster mitigation, and building national land resilience

2 Towards the second reconstruction and revitalization period

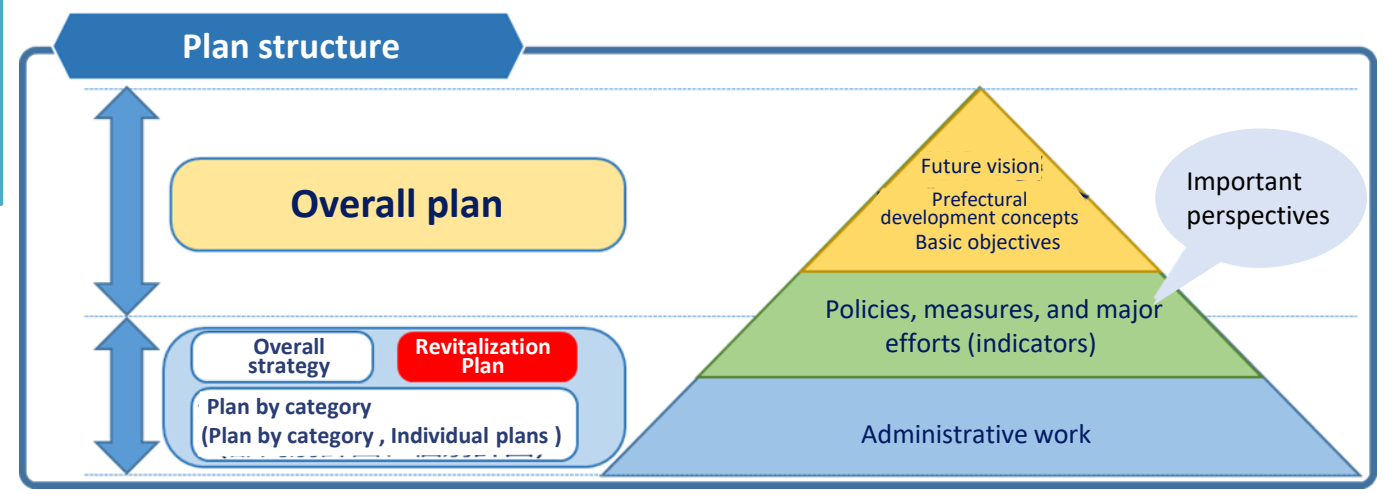
1 April 2021 marks the start of the second reconstruction and revitalization period.
We are working to steadily promote and further accelerate the seamless recovery and revitalization of Fukushima Prefecture based on the "The 2nd Plan for Revitalization in Fukushima Prefecture", while integrating the "Basic Guidelines for the Reconstruction and Revitalization of Fukushima" created by the national government as well as the "Plans for Reconstruction and Revitalization in Fukushima Prefecture" created by Fukushima Prefecture, based on the Act on Special Measures for the Reconstruction and Revitalization of Fukushima.

< The 2nd Plan for Revitalization in Fukushima Prefecture >

- (I) Basic concepts-** Continuing the basic concepts set forth in the vision for revitalization
- (1) Building a safe, secure and sustainable society free from nuclear power
 - (2) Revitalization that brings together everyone who loves and cares about Fukushima
 - (3) A homeland we can all be proud of once again

- (II) Basic Objectives-** Objectives for achieving the basic concepts
- (1) Steady reconstruction and revitalization of evacuation areas (Revitalization of evacuation areas)
 - (2) Fostering human resources who will lead the future and creating community bonds (People)
 - (3) Building safe, secure communities (Livelihoods)
 - (4) Promoting attractive and sustainable job creation (Jobs)

【Relationship to the overall plan: Diagram】



- (III) Position of the Plan**
- This is the action plan for the overall plan, set for a ten-year period from FY2021 to FY2030.
 - Necessary initiatives have been listed in consideration of the impact on revitalization efforts caused by natural disasters and the COVID-19 pandemic as well as the perspectives such as SDGs and Digital Transformation (DX).
 - In order to implement necessary initiatives for revitalization, timely and flexible reviews of the plan will be done according to the revitalization progress and changes in social conditions.

(IV) Priority Projects...We are aiming to achieve our basic objectives by prioritizing and promoting the initiatives listed as Priority Projects.

1 Project accelerating revitalization of evacuation areas

- Reconstruct and revitalize towns where people can feel safe to live
- Reconstruct and revitalize industry and livelihoods
- Create appealing communities



2 Kizuna Project

- Create the safest and most accommodating environment to have and raise children in Japan
- Foster well-rounded and tough human resources that can carry out revitalization
- Foster human resources that can promote industry
- Create bonds that connect Fukushima



3 Project for safe and secure living

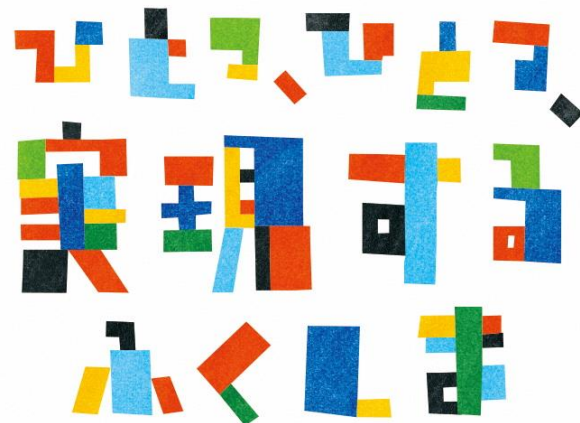
- Build a safe, secure living environment
- Enhance efforts and support for people to return as well as support systems for evacuees
- Work on restoring the environment
- Work on protecting mental and physical health
- Build towns to accelerate revitalization
- Promote disaster preparedness and response measures



4 Project promoting industry and revitalization of livelihoods

- Promote small to medium-sized enterprises
- Create new industries and increase international competitiveness
- Promote agriculture, forestry and fisheries industries
- Promote the tourism industry





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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Address: 2-16 Sugitsuma-cho, Fukushima City, Japan

Telephone: (+81) 24- 521-7109

E-mail fukkoukeikaku@pref.fukushima.lg.jp

* Please feel free to contact us if you have any questions about this publication.

Fukushima Revitalization Station
Portal site of revitalization progress

<http://www.pref.fukushima.lg.jp/site/portal-english/>

Steps for Revitalization in Fukushima the latest version is available on <http://www.pref.fukushima.lg.jp/site/portal/ayumik-1.html>

The image also includes a QR code and a screenshot of the Fukushima Revitalization Station website, which features a navigation menu with items like 'Fukushima Revitalization', 'Safety of Food', 'Environmental Restoration', '2020 Fukushima Culture Nuclear Power Disaster', and 'Introduction of Fukushima Prefecture'. A 'What's New' section is visible at the bottom of the screenshot.