

Partnership between the State of NRW and Fukushima Prefecture

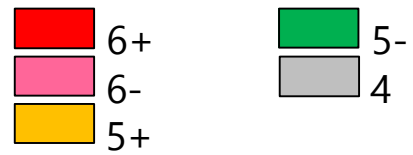
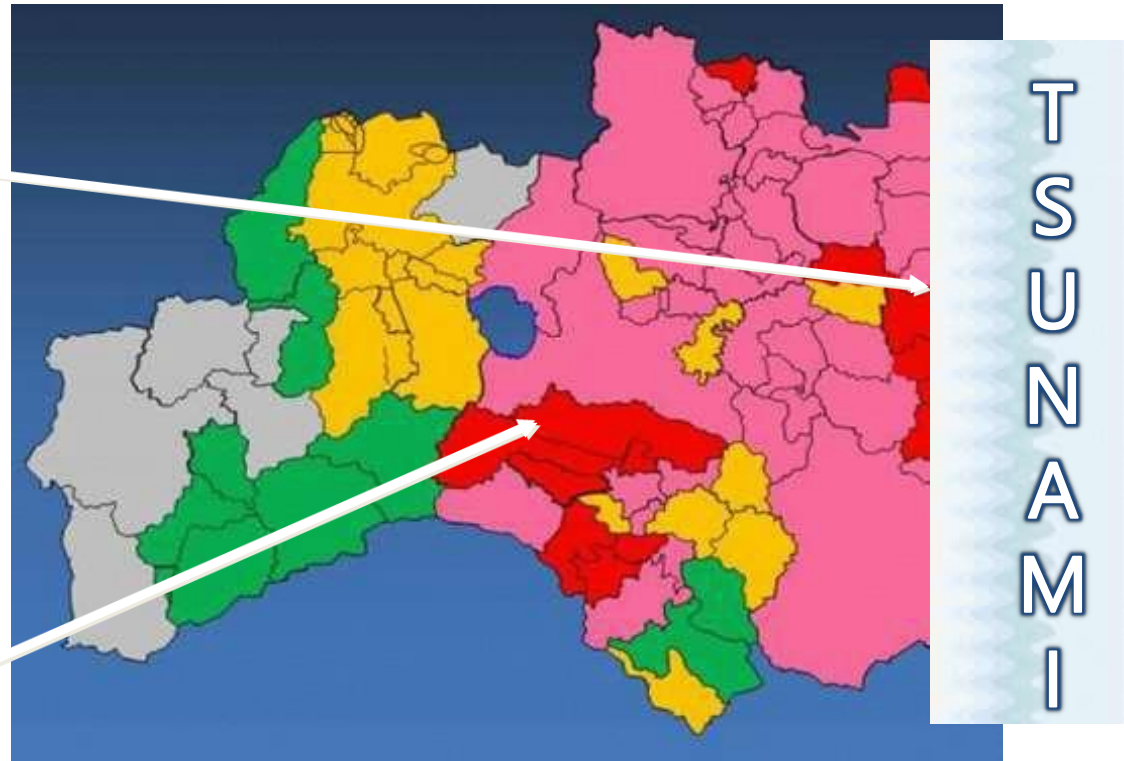
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Damages Caused by Earthquake and Tsunami

The Great East Japan Earthquake occurred at 2:46 p.m. on March 11, 2011 with its epicenter off the Sanriku coast. Its magnitude was observed at a record high of M9.0.



(Intensity on Japanese scale from 0 to 7)

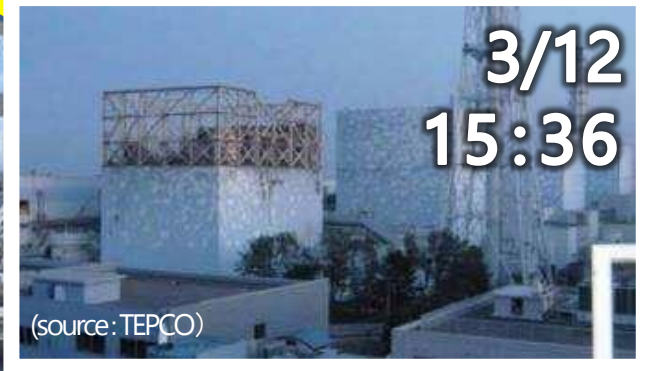
Fukushima Daiichi Nuclear Power Plant Accident

Directly after the Earthquake, a tsunami hit TEPCO's Fukushima Daiichi Power Plant

Reactor 4 explosion



Reactor 1 explosion



Reactor 3 explosion



And then the nuclear power plant accident . . .

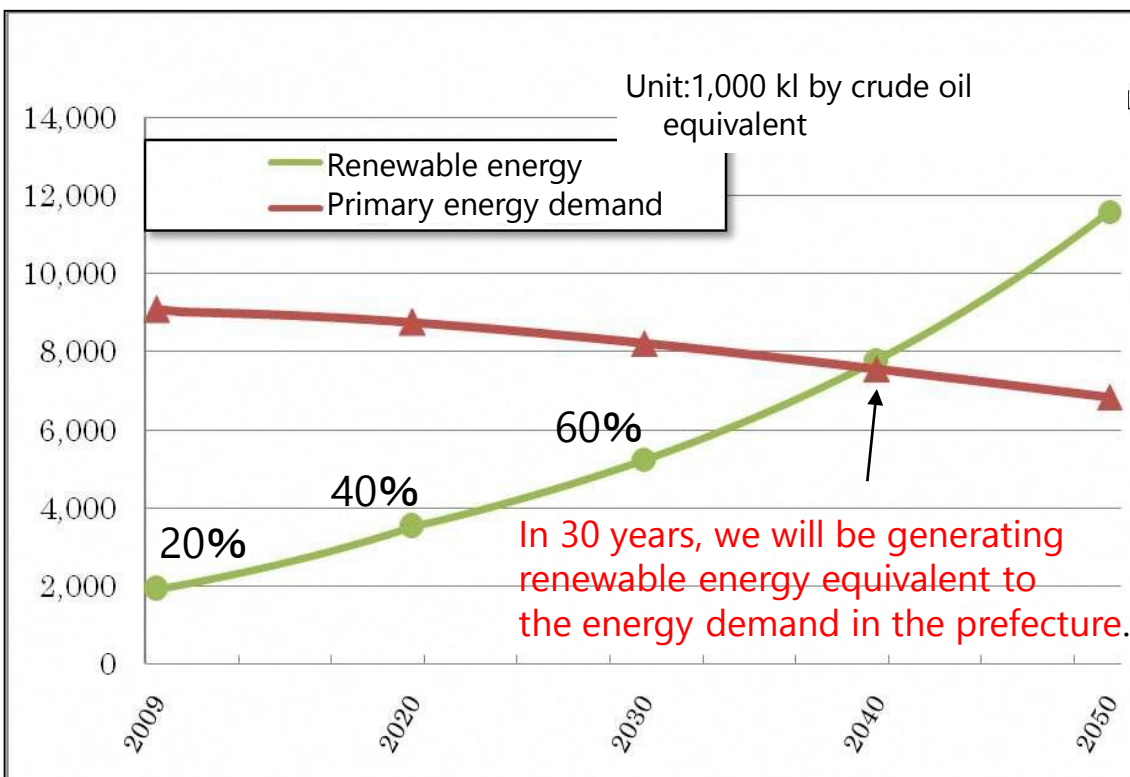
(source: Fukushima Prefecture Police)



Renewable Energy Promotion Vision

For the revitalization of a safe and secure society with continuous potential of expansion without depending on nuclear power, Fukushima Prefecture has set an ambitious target to promote renewable energy.

⇒ Large-scale adoption of renewable energy and the clustering and promotion of related industries.



<Adoption target>

Percentage of renewable energy generation compared to the primary energy demand in the prefecture.

(2009: About 20%)

2019: 34.7%

• By 2020 About 40%

• By 2030 About 60%

• Around 2040 100% or more

The State of North Rhine-Westphalia and Fukushima Prefecture signed a MoU in February 2014, in the field of renewable energy, energy efficiency and storage technologies.

Various collaborative activities, which expand year after year, have been conducted under this MoU.

Collaboration topics include:

- information exchange
- holding seminars and workshops
- networking among companies and research institutes in both regions

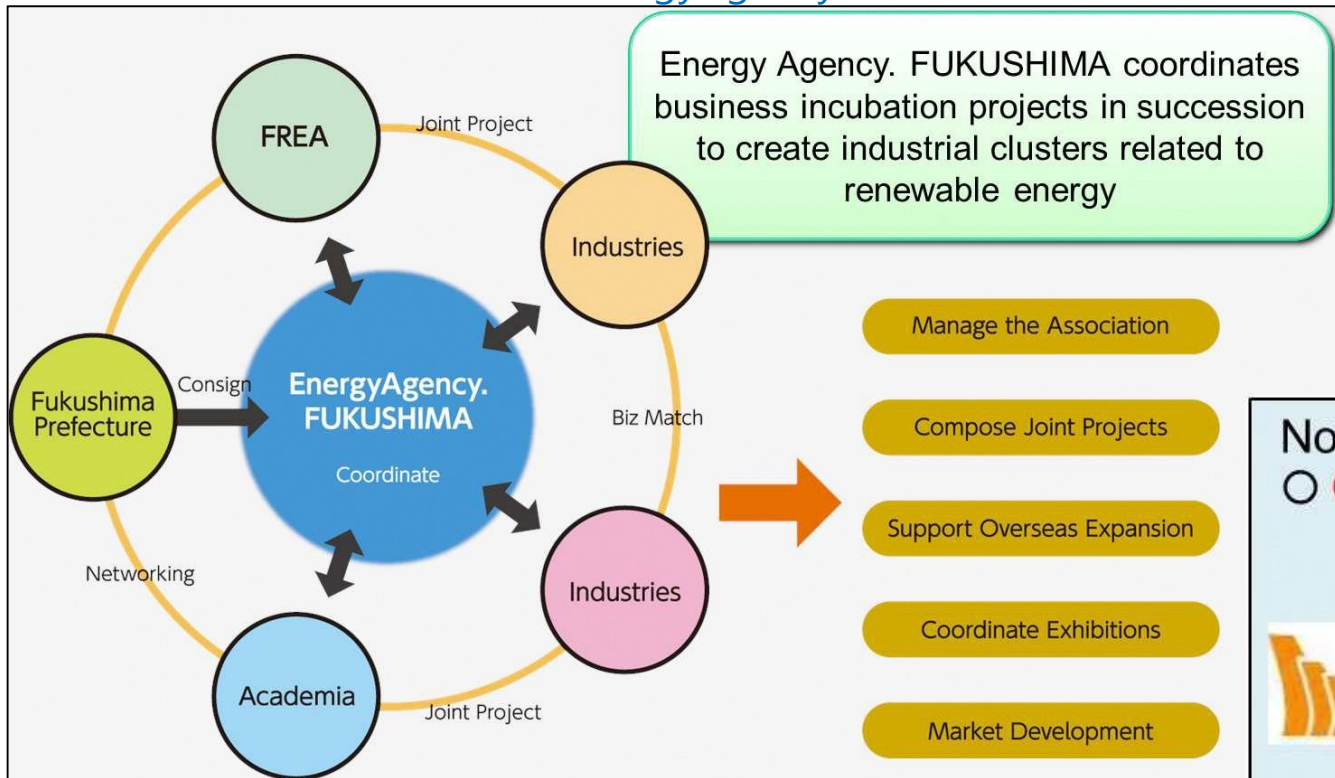


Renewal signing ceremony in 2019

Establishment of the EnergyAgency.Fukushima

Upon request from NRW to organize an expert organization for smoother collaboration, Fukushima Prefecture established the EAF in April 2017. In November 2017, a MoU was concluded between both agencies. Ever since, the collaboration has continuously accelerated.

Functions of the EnergyAgency.Fukushima



Signing ceremony of MoU

Mutual Visits of Top Management

Visit to the State of NRW

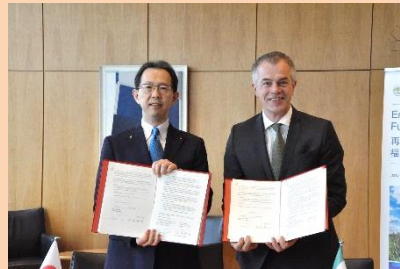
Opinion Exchange (Aug. 2012)

• Then Governor Sato exchanged opinions with then Minister for Climate Protection and Environment Remmel.

Signing of MoU (Feb. 2014)

• Then Vice Governor Murata concluded MoU with then Minister for Climate Protection and Environment Remmel.

Renewal of MoU (Jan. 2017)



(right) Minister for Climate Protection and Environment Remmel

Renewal of MoU (Oct. 2019)



(left) Minister of Economic Affairs Pinkwart (right) Prime Minister Laschet

Signing of MoU

Signing of MoU

Signing of MoU



Visit to Fukushima

Mr. Remmel, Minister of Environment, visited Fukushima Prefecture (Feb. 2013)

• Then Minister of Environment Remmel paid a courtesy call on then Governor Sato and started discussion for the signing of a MoU.

Prof. Dr. Pinkwart, Minister of Economic Affairs, visited Fukushima Prefecture (Oct. 2018)

• Minister of Economic Affairs Pinkwart visited Fukushima and had a meeting with then Vice Governor Hata on economic exchange.

Trade Fairs in each region (REIF, E-world, etc.)

EAF and EA.NRW have been deepening relations by promoting economic exchange.

Trade fair in Koriyama, Fukushima (REIF)



- ◆ Annual event since 2013
(EAF invites many NRW companies to REIF every year.)

Trade fair in Essen, NRW (E-world)



- ◆ Annual participation since 2014
(EAF brings many Fukushima companies to E-world every year.)

Matchmaking and Follow-up

EAF provides companies from NRW and Fukushima with matchmaking opportunities by inviting NRW companies to domestic trade fairs or supporting Fukushima companies to participate in international trade fairs.



Workshops

Once a year, experts from private companies, research institutes, municipalities, etc. gather in Koriyama and discuss various issues related to renewable energy.



**Hydrogen workshop
(2019)**



**Biomass workshop
(2018)**

Further expanding collaboration

The collaboration between the State of NRW and Fukushima Prefecture also brought in other collaborations between both regions.

City of Essen



Koriyama City



Signing ceremony (2019)

The former Coordinator for International Business (CIB) from Germany on the JET Programme is now working at the Essen Economic Development Agency (EWG) and continues to support the collaboration.

Fukushima University

—

University of Münster

(2018)

