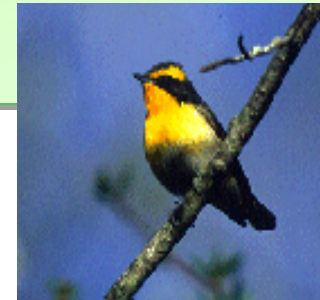


■ 2016.4.10

The International Forum on the Decommissioning of the Fukushima Daiichi Nuclear Power Station

# *Communication with Communities toward Decommissioning of Fukushima Daiichi NPS*



Symbols in Fukushima: Zelkova, Narcissus Flycatcher, Rhododendron  
(from the Fukushima Prefecture HP)

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Chief Director, NPO GENKI Net for Creating a Sustainable Society

# Past Experiences in Communication made by Sakita

<Philosophy> Be responsible for environmental burdens in our life and community as a citizen and NGO, and make contributions to creating a sustainable society.

<Key to Materialization> “Co-creation” through “Cooperation” among Diverse Entities

**Waste and CO2  
in Life**

**Chemical  
Substances  
in Life**

**High-level  
Radioactive  
Waste**

**Contamination by  
Radioactive  
Materials in  
Fukushima**

**Carry out through partnership with  
citizens, businesses and government**

**Public Learning Center on  
Environment, Designated  
Managers (Cooperation with  
Municipalities)**

**Multi-Stakeholder Meeting  
aimed at 3R (Cooperation with  
Businesses and Government)**

**Asia 3R Promotion Citizen's  
Network (Cooperation with  
Ministry of the Environment)**

**Create nation-wide  
stations for  
learning together.**

Regional Workshop on  
“Geological Disposal of  
High-level Radioactive  
Waste” (Program of the Agency  
for Natural Resources and  
Energy)

Information  
Sharing among  
Experts, NGO  
and Government

“Study Meeting  
on  
Environmental  
Restoration”

About the NPO GENKI Net for Creating a Sustainable Society  
Since 1995, having fostered a partnership to solve waste problems, and since 2001, supported individual regional environmental activities nationwide

## ◆ Awarded with the “GENKI Grand Prix” for the Ecological Town Created by Citizens



- \* Establishing a loose network with about 500 groups applied
- \* A nationwide network participated by leaders of regional environmental activities
- \* Learning together with nationwide groups of creating ecological towns through “Eco-Tour”

## ◆ “Regional Workshop on Geological Disposal of Radioactive Waste”

- \* Since 2007, having carried out regional WS on high-level radioactive waste
- \* By 2016, planning to have more than 90 dialogues with about 500 regional leaders nationwide

(Program of the Agency for Natural Resources and Energy)



# Post-Accident Approach at Fukushima Daiichi NPS “Study Meeting on Environmental Restoration”(2011 to date)

◆ Study meetings have been continuously held 40 times in about 5 years, since the first meeting held on June 3, 2011

• Hoping to environmentally restore from the contamination by radioactive materials as quickly as possible, the stakeholders involved in taking actions, such as specialists in the field of environment, waste and nuclear, persons in charge from the government agencies, businesses, municipalities, and NGOs, have called for each other to exchange views based on the latest information obtained.

• 400 persons have registered, and around 50 members participate in the meeting each time.

◆ The subject in view exchanges is considered among the participants in line with the progression of decontamination, etc.

Ex. “Review of Estimated Contaminants based on the Air Dose Map and the Scenario of Environmental Restoration”, “Scenario of Disposal of Waste and Soils Contaminated by Radioactive Materials”, “View Exchanges on Decontamination Guideline, Tentative Storage, and Intermediate Storage”, “How to Utilize the Results of Environmental Dynamic Study for Environmental Restoration”, “How to Make Communication with Residents in Favor of Their Future”, and others

◆ Co-Leader

• Sakita, and Mr. Yuichi Moriguchi, Professor of School of Engineering, The University of Tokyo



# “Feelings” of People in Fukushima Have Been Changing “with Time”

“Regional Dialogue Forum toward Promotion of Decontamination” held by the Atomic Energy Society in Fukushima Pref. (2012 – 2013), from Experiences in Facilitation

**2011.3.11**

Tsunami driven by the Great East Japan Earthquake caused the accident at the nuclear power station. “Collapse of Safety Myth”

“Distrust of Operators, Experts, and the Government” who have not correctly told the people about the risk of radiation; “Unsuppressed Anger and Sorrow”

Uneasiness and discontent have instantaneously spread among the people, including refugees, by use of ICT.

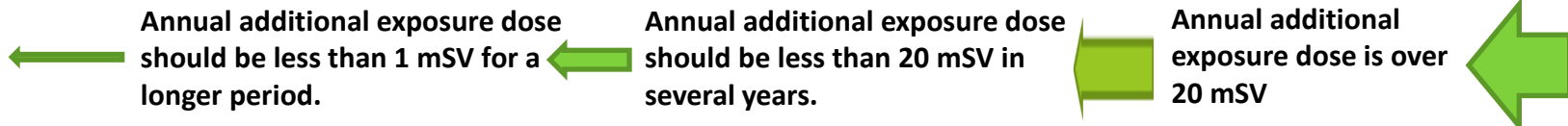
Some specialists inciting anxiety came onstage through the mass media.

People felt “bewildered” due to the amplified anxiety in the society and increasingly suffered from various rumors against Fukushima.

Establishment of “visualized confidence” aiming to reconstruct confidence  
Confidence in specialists who inform “excessive risks and acceptable risks”  
Desire for reconstruction of life and communities toward restoration, stepping up from decontamination and environmental recovery



“Feelings” vary depending on the difference in Radiation Dose by Region (2015, Sakita)



	Area resuming daily living	Area preparing for return	Area still in evacuation
<b>Decontamination</b>	<p>Current State</p> <p>Living with family is ongoing. Some young generations are voluntarily evacuating.</p> <p>Decontamination</p> <p>Under implementation of the plan developed by municipalities. Some areas have finished.</p> <p>Goal</p> <p>How far decontamination should be done. Some communities are seeking for a way of restoration.</p> <p>Learning about Radiation</p> <p>Briefings for decontamination and temporary storage sites, and schools. Arrangement of advisors. Experience in measurement.</p> <p>Wellness</p> <p>Wellness in future. Grasp annual exposure dose. Desire for Inviting relatives and friends.</p>	<p>Under evacuation, or going home only in the daytime to prepare for return.</p> <p>Decontamination directed by the government. Original houses are habitable or not; rooms are also decontaminated or not.</p> <p>Reassurance shall be ensured to return for safe living even under 20 mSV.</p> <p>Briefings for decontamination and temporary storage sites. Places available for learning, questioning, and communication.</p> <p>Anxious about the future wellness. Effects on children and young generations.</p>	<p>Living in tentative houses, etc. at an evacuation site.</p> <p>Decontamination directed by the government. Planning in future.</p> <p><b>How many years later can they return? Any target?</b></p> <p>Briefings at evacuation sites, etc.</p> <p><b>Anxious about the future wellness.</b></p>
<b>Environment Restoration</b>	<p>Food</p> <p>Quantify the dose on food and internal exposure dose. Annoyed by rumors from outside the prefecture.</p> <p>Life</p> <p>Ordinary daily living, gradually. How about agriculture/forestry/fishery? Develop a living environment for children.</p>	<p>When returning, safe foodstuff can be obtained or not.</p> <p><b>How about job/school/hospital /shops? Agriculture and forestry? Relevance to compensation?</b></p>	<p>Life with a wealth of grasses can be resumed or not.</p> <p><b>How jobs and new living should be created?</b></p>
<b>Reconstruction</b>	<p>Region</p> <p><b>Resume regional voluntary activities such as cleaning, festivals, residents' association, etc.</b></p> <p>Informa-tion, Coopera-tion</p> <p><b>Information issued by municipalities for the residents. Create a foothold for regional cooperation/ collaboration.</b></p>	<p><b>Create a foothold to reconstruct communities. Also, different views between generations.</b></p> <p><b>Are consulting or communication services available to access across-the-board information?</b></p>	<p><b>Can the communities be reconstructed?</b></p> <p><b>How can the reconstruction plan by municipalities be linked?</b></p>

# ***Establishing a humane mechanism of dialogue and participation by residents, aiming at the post-accident environmental restoration and reconstruction in Fukushima***

## 1<sup>st</sup> Step in Communication

- Providing a comprehensive “information” including risks

## 2<sup>nd</sup> Step

- Establishing a foothold of not just one-way “dialogue”

## 3<sup>rd</sup> Step

- Supporting voluntary efforts to materialize “Participation and Co-creation”



From  
Fukushima  
Prefecture HP

# About Decontamination Information Plaza

source: “Decontamination Information Plaza” <http://josen-plaza.env.go.jp/>

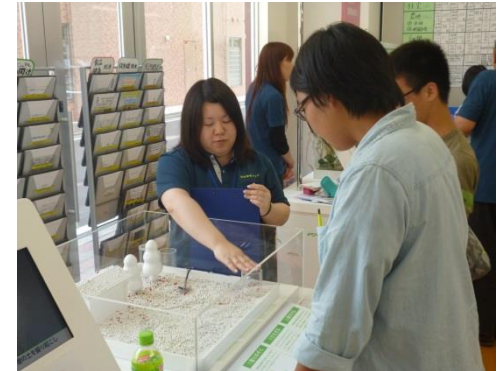
Under joint operation by Fukushima Pref. and Ministry of the Environment, it opened as a base to provide latest information for decontamination and radiation, near the Fukushima Station in January, 2012.

知る、考える、進めるために。



除染情報  
プラザ

福島県 環境省



“Convey information from person to person”, “Talk together with each other”,  
“Support persons by persons”

Provide a variety of information on decontamination and radiation, and dispatch specialists to meetings in cities, towns, and villages, as well as to schools so as to promote communication among regions.



# Roles of Decontamination Information Plaza

source: "Decontamination Information Plaza" <http://josen-plaza.env.go.jp/>

## Providing information on decontamination and radiation

Exhibition using touch panels, large monitors, films and models to provide the latest information on decontamination and radiation is carried out in a user-friendly way.

Individual visitors can consult with resident staffs on their day-to-day issues.



## Dispatch of specialists Portable exhibitions

Specialists with expertise and a wealth of experiences on decontamination and radiation are dispatched to meetings in cities, towns, villages, and to schools. Also, to tell more people of the latest data, portable exhibitions using panels and models as well as on-site seminars at schools.



## Communication among Regions

A communication field is provided; it includes seminars and workshops to learn together about decontamination and radiation, exhibitions introducing activities on decontamination and restoration, and a user-friendly saloon.



# Communication among Communities

source: “Decontamination Information Plaza” <http://josen-plaza.env.go.jp/>

## What is the “Positive Cafe”?

A meeting held by those who work on the reconstruction of Fukushima, including decontamination and anxiety about radiation, aimed at the exchange of information and sharing experiences



In the midst of decontamination carried out by the government and municipalities, the local people have voluntarily performed the activities on decontamination and monitoring of radiation, and held study meetings on radiation.

Under such conditions, the “Positive Café” has started in 2013, aiming to accelerate the reconstruction of Fukushima, together with those who cope with the mitigation of anxiety about radiation in each community, etc.

# History of Positive Cafe in 2013

source: "Decontamination Information Plaza"

Fiscal  
Year  
2013

## Enhancing of actions against radiation and dose reduction activities as a community program

1<sup>st</sup> Positive Cafe



2<sup>nd</sup> Positive Cafe



3<sup>rd</sup> Positive Cafe



“Positive Cafe” was inaugurated to share prior cases and exchange information, by interacting with those who have made efforts to mitigate anxiety about radiation in the community, etc.

People engaged in various activities toward the reconstruction of Fukushima, such as dose measurement and dose reduction activities, have interacted with each other through specific cases.

In the 1<sup>st</sup> and 2<sup>nd</sup> meetings, people coping with dose measurement and dose reduction, etc. introduced several cases. In the 3<sup>rd</sup> meeting, specialists engaged in the measurement of farmlands and the persons from groups supporting refugees participated to provide the relevant information.

# History of Positive Cafe in 2014

source: “Decontamination Information Plaza”

Fiscal  
Year  
2014

## Countermeasures against the anxiety about radiation in the Nakadori area and practices, considering the viewpoints of refugees outside the prefecture, etc.

### 1<sup>st</sup> Positive Cafe



Experience in measuring personal dose in a study meeting



Workshop on meal (experience on duplicate diet), etc.



Based on the previous linkage, information was shared on the current situation and the measures to mitigate anxiety about radiation in the Nakadori area.

Firstly, a meeting was held to organize issues, then, based on the current situation shared there and the opinions obtained from participants who returned to Fukushima from outside due to evacuation, activities of “measuring” and “knowing” such as events to learn about radiation using a picture-card show, experiences on duplicate diet using local foodstuff, experiences in measuring personal dose were performed through the linkage with various participating groups and organizations.

To share information on such experiences with many people, the “Positive Cafe” aiming to think over our future was held in February, 2015. Many people with interest took part in it.

# History of Positive Cafe in 2015

source: “Decontamination Information Plaza”

Fiscal  
Year  
2015

## Linkage with the regions centered around Hamadori, to share information

Positive Cafe @ Iwaki



Positive Cafe @ Minami-Soma



Positive Cafe in Hamadori



“Positive Cafe” focused on the activities in Nakadori in the previous years. This year, however, “Positive Cafe” was held in Hamadori area such as Iwaki in August, in Minami Soma in October, and in Naraha in December.

Information was shared concerning the anxiety about radiation, uneasiness in the post-decontamination living, and efforts toward reconstruction of Fukushima by the residents in northern and southern areas of Hamadori, and considerations were given on mitigating the anxiety and solving the problems, through view exchanges with those who act for these matters in Nakadori.

On February 11, the “Positive Cafe” 2016, aiming to think over our future” was held as in the previous year, and information was shared with many residents of the prefecture.

※ For the scene on February 11, see the HP of “Decontamination Information Plaza” at <http://josen-plaza.env.go.jp/>

Hamadori is in the vicinity of Fukushima Daiichi NPS.  
Major opinions obtained in the area with various people, such as those who still in evacuation, returned, or started a new living there, are as follows:

- \* August: Held in Iwaki. Workshop focused on “Now and Future”
- \* October: Held in Minami Soma. Exchange of views on “what is now missed, and what to be achieved in the future” was held under the subject of “Industries, Network, Family, and Heart”.
- \* December: Held in Naraha. Exchange of views regarding the measures to be taken was held under the subjects of “How to convey information”, “Accept diversity”, “Newly living together”.

**【Summary at Positive Cafe @ Minami Soma】**

- To mitigate anxiety about radiation, partners to share sympathy are required; thus, establishing confidential relationship is particularly important (without confidential relationship, feelings and thoughts of the others would not be accepted, nor mutual understandings would be developed).

Sharing through more conversations is needed also in the family.

- To eliminate anxiety about radiation and develop mutual relationship (a network), more opportunities to share information, express views, and interact with each other are required.
- To restore industries from radioactive contamination, persons engaged in attractive jobs are needed. Fostering of personnel is also required to restore the countryside areas and leisure activities; transmission of information from communities is required for that purpose.

Source: “Decontamination Information Plaza” (responsible for organization: Sakita)



## Lastly, from Experiences in Dialogue in Fukushima

- ◆Decommissioning would be impossible without co-existence of regional mutualism and regional reconstruction.
  - Decommissioning is one of the important options to those who consider returning from an evacuation site.
  - How to live with decommissioning? Do decommissioning with pride.
  - Fostering of gratitude and respect to the communities having borne risks to date
- ◆Decreasing and aging population is an issue annoying the Japanese society. Regional reconstruction in Futaba will be a model of regional revitalization not only in Fukushima, but also nationwide.
  - Mutualism with local communities starts with “building of life infrastructure”.
  - Be a base of human resource training for decommissioning engineers, as well as a learning site for local youths.
  - Create regional vision and regional industries, looking at the future beyond decommissioning.
- ◆Then, aim at “a learning site of the world” recovering from the severe accident.