

# ORGANISATION OF THE ENVIRONMENTAL MONITORING: LESSONS LEARNT FROM FUKUSHIMA

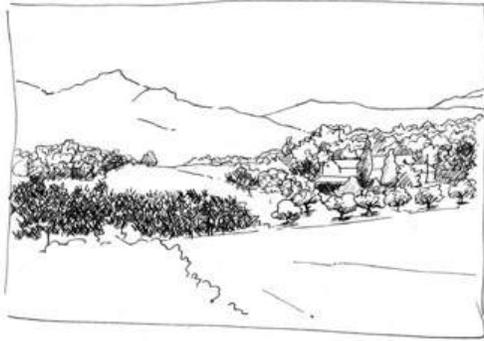
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In post-accident situations, the implementation of the **environmental monitoring is essential:**

- ▶ To **characterize** the radiological situation of the environment
- ▶ To help people to **become actors** of their own radiological protection



**Feedbacks from Chernobyl:** both institutional and non institutional actors come into play



And in Japan? What are the lessons learnt from Fukushima?

# OVERALL OBJECTIVE OF THE STUDY

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**Identify the environmental monitoring strategy** implemented in Japan following the Fukushima accident

**Highlighting local initiatives developed** within the affected territories



**Document reviews, analysis of public environmental data bases, etc**

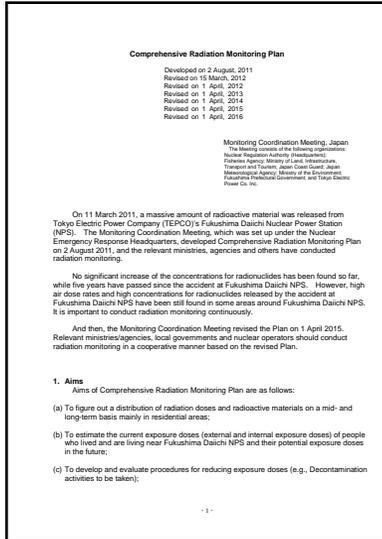


**Interviews of both institutional and local actors involved in the environmental monitoring**

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# The official environmental monitoring set up in Japan

# Comprehensive Radiation Monitoring Plan (CRMP) : a national environmental monitoring programme

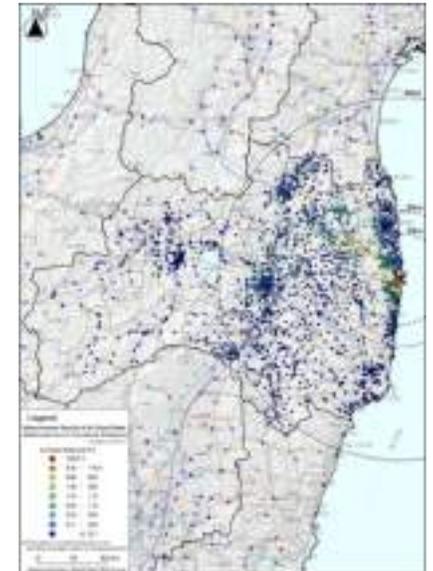


## ■ Some Generalities

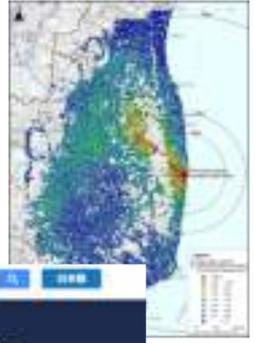
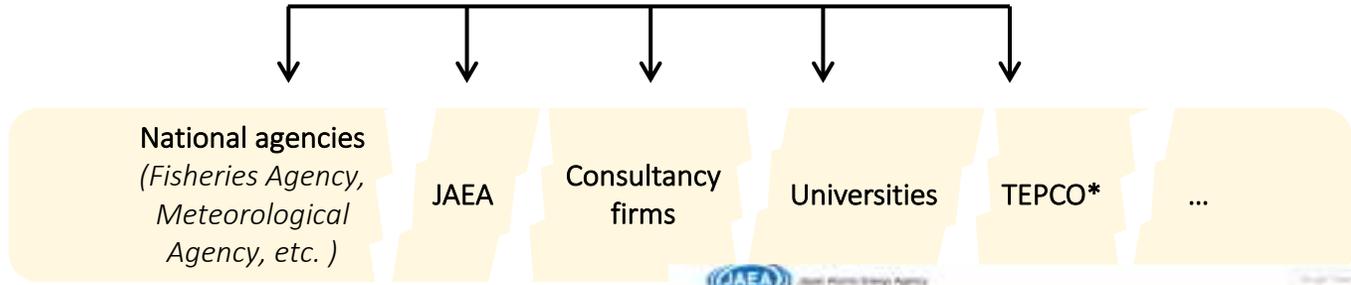
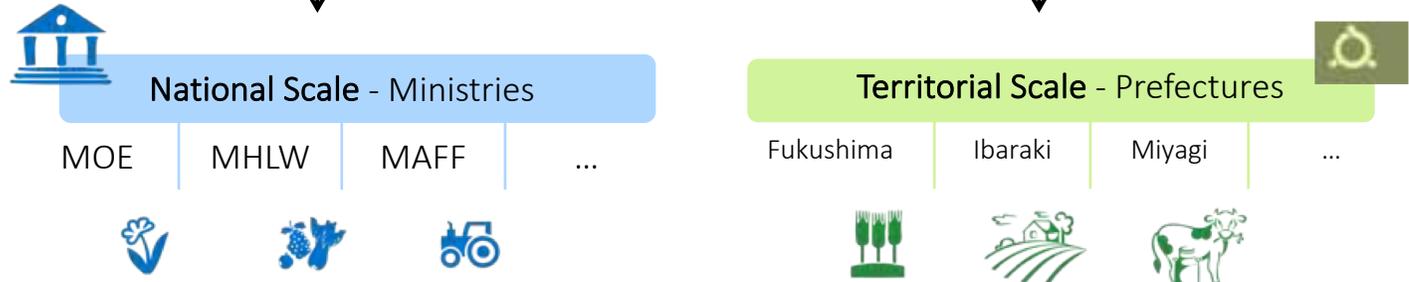
- Created by the Japanese Government in August 2011 – Steered by the NRA since September 2012
- Based on the existing monitoring programme

## ■ Objectives

- Characterise the radiological situation of the environment throughout Japan
- Gradual intensification of monitoring (*mesh, frequency, etc.*) at 250 km to 20 km from the Fukushima power plant



# Comprehensive Radiation Monitoring Plan (CRMP): many actors producing various results...



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## **Local initiatives to measure the environmental quality**

# A multiplication of local initiatives

- Mistrust towards authorities, official institutions
- Various local initiatives implemented since 2011...
  - By municipalities and local communities:
    - Coordination of additional studies to check the results of the official environmental monitoring
    - Provision of monitoring devices to local populations, with support of RP experts



Name	Date	Value	Unit	Location	etc.
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- By NGOS, citizen networks:
  - Local NGOs proposing environmental measurements
  - SAFECAST and Minna no Data Site networks



# Conclusion

- **A national plan (CRMP) bringing together many actors**
  - Various public platforms with heterogeneous data → Confusion for the users
- **Various local initiatives in parallel**
  - Results which have all the confidence of local populations
  - A real opportunity to regain control of their daily life
- **A multiplication of measurements and actors...**
  - Environmental monitoring which seems redundant
  - Lack of sharing and analysis between local or even local and national initiatives
- **Remaining issues which can be addressed by RP experts**
  - How to help local population to legitimate their actions?
  - How to coordinate institutional and non institutional initiatives to a common approach?

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**Thank you for your attention**