

ORGANISATION OF THE ENVIRONMENTAL MONITORING: LESSONS LEARNT FROM FUKUSHIMA

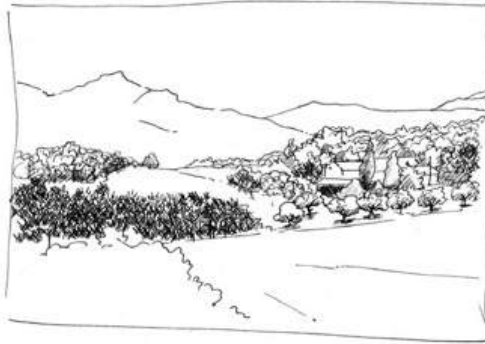
Mélanie MAITRE, Pascal CROUAIL & Thierry SCHNEIDER

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GENERAL INTRODUCTION

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

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

Highlighting local initiatives developed within the affected territories



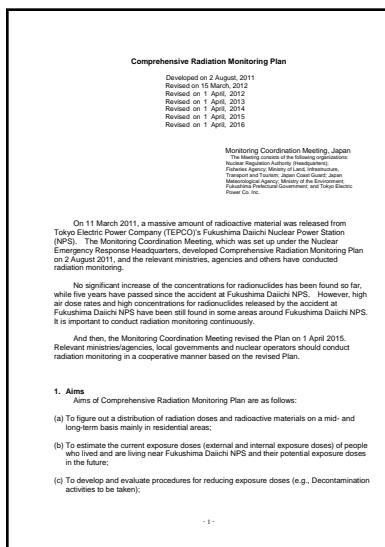
Document reviews, analysis of public environmental data bases, *etc*



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

The official environmental monitoring set up in Japan

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



■ Some Generalities

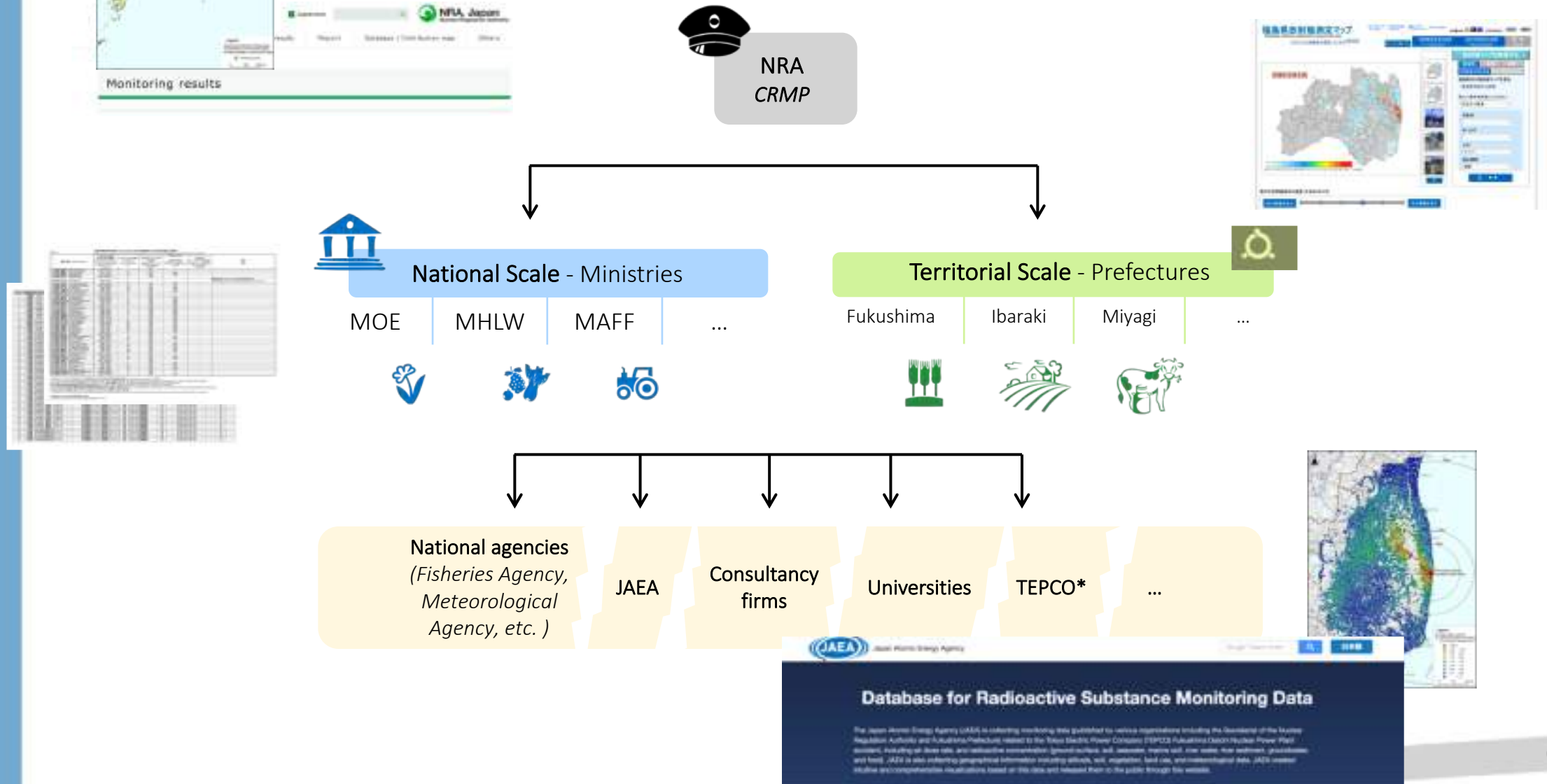
- Created by the Japanese Government in August 2011 –
Steered by the NRA since September 2012
- Based on the existing monitoring programme

■ 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...



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	Time	Status	Other
1. Minna no Data Site	2011-01-01	10:00	OK	
2. Minna no Data Site	2011-01-01	11:00	OK	
3. Minna no Data Site	2011-01-01	12:00	OK	
4. Minna no Data Site	2011-01-01	13:00	OK	
5. Minna no Data Site	2011-01-01	14:00	OK	
6. Minna no Data Site	2011-01-01	15:00	OK	
7. Minna no Data Site	2011-01-01	16:00	OK	
8. Minna no Data Site	2011-01-01	17:00	OK	
9. Minna no Data Site	2011-01-01	18:00	OK	
10. Minna no Data Site	2011-01-01	19:00	OK	

- 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?

Thank you for your attention