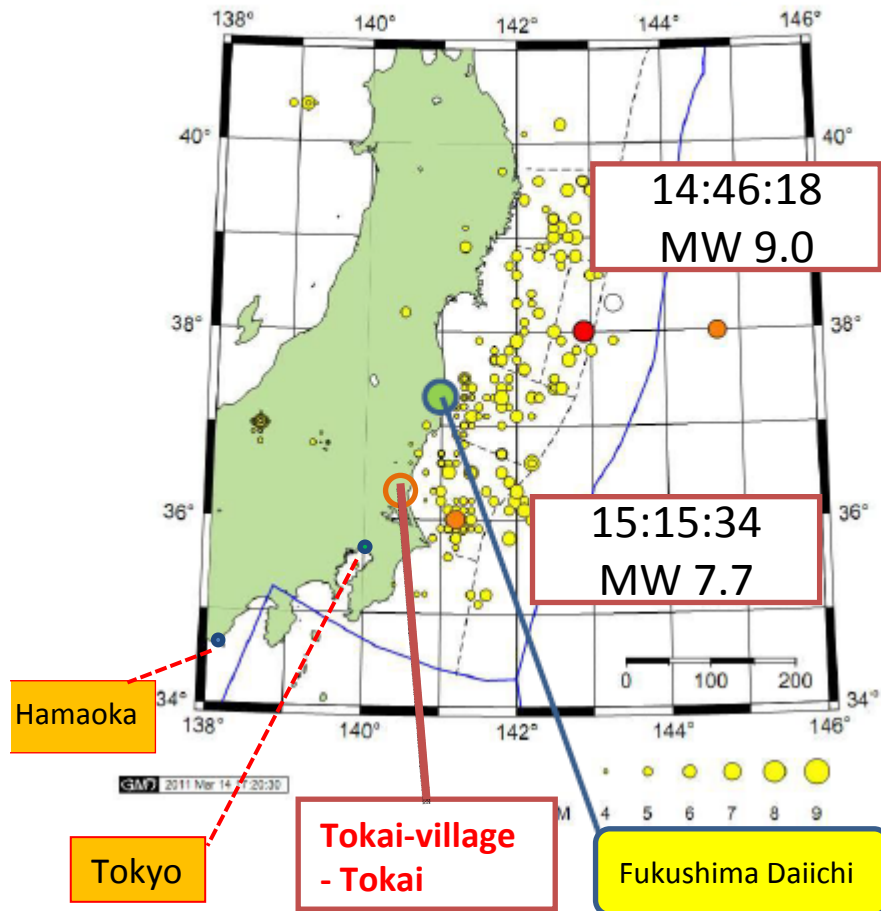


Personal Experience after March 11th

Japan Atomic Energy Agency
Yoko KAWAKUBO

What happened around me on March 11th

Aftershock Distribution until
20:00 March 13, local time (JMA)



- 14:46 – 1st earthquake

We evacuated from the building

Continued shaking

78 earthquakes >MW4 a day

- 15:16 – 2nd attack

- 15:30 – Tsunami arrived

Only security and maintenance
staff remained at the site.

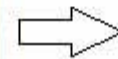


Aftermath of the Earthquake

- Electricity, gas, and water was stopped at the first shaking
 - stopped for 1 week ~ 10days
- Transportation standstill
 - Road, Bridge, Train, etc. 1month ~
- Shortage of Gasoline
 - speculative stocking and purchase limitation
- Food shortage
- 6 m Tsunami



(3月11日16時30分頃撮影)



(3月15日13時頃撮影)

Impact of Fukushima Accident in Tokai-village

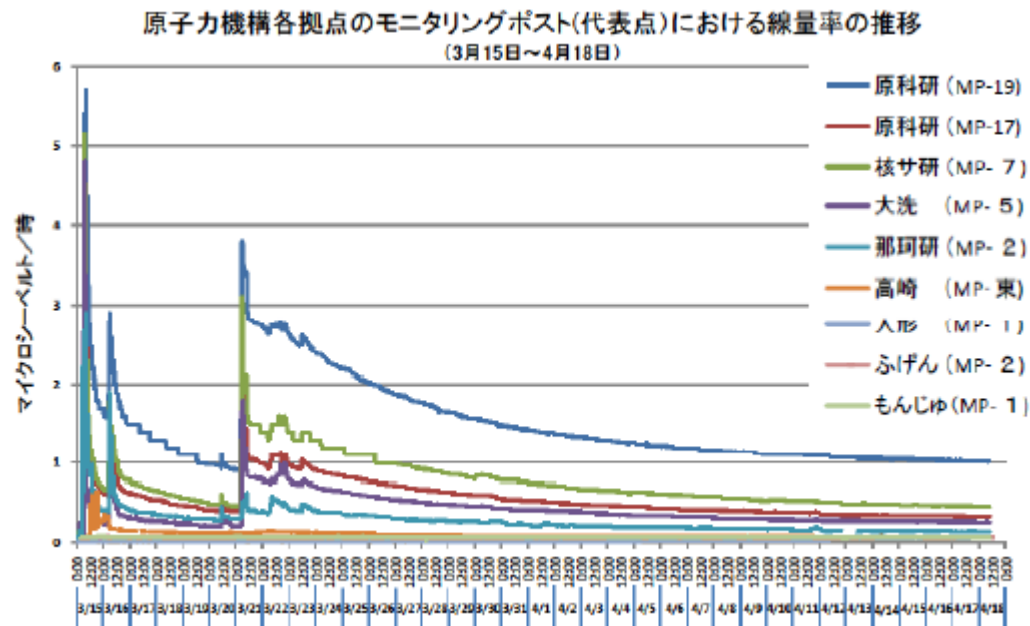
➤ Fukushima Accident impact in Tokai

➤ Monitoring Post in Tokai pointed 5 μ Sv/h at maximum on 15th March

➤ Water pollution- I-131 level exceeded the standard for babies.

The village provided one bottle of water a day for the family with babies under 1 years old

➤ The sign of accident was observed, but the level was far lower than the border to affect on human health



Volunteer for Saitama Super Arena

- Saitama City opened Saitama Super Arena for evacuees from Fukushima.
- 3,000 citizens and Town Hall of Futaba-machi moved into the Arena
- 1,000 volunteers gathered
- I was involved in medical care for the evacuees.



Response of JAEA to the Great East Japan Earthquake

- **Emergency response headquarters** established by the JAEA president immediately after the earthquake.
- **“Headquarters of Fukushima Partnership Operations”** established On May 6



Environmental Monitoring Vehicle



Body Surveillance



Portable Whole Body Counter



Body Wash Vehicle

A. Environmental Radiation Monitoring

- Emergency monitoring outside of a 20 km radius
- Compilation of data (radiation/radioactivity, etc.)

B. Environmental Radioactivity Analyses

C. Resident Public Consulting

D. Scientific Advice and Technical Support

A-D Total : 17,780 person-days since March 11 .

E. Equipment Support



Hand-foot-cloth Monitoring Vehicle

What I did to support Fukushima before WNU

- Compilation of radiation monitoring data and made materials for press release
- Attend the evacuees allowed to return their home for temporary visit

プレス発表資料

福島第一原子力発電所30km以上上空のヘリコプターによる
空間線量率の測定結果について

平成23年4月23日
文 部 科 学 省

1. 測定環境

飛行日時：4月21日10時07分から16時07分まで
天候：曇り、南の風
飛行条件：計測中の目標飛行対地高度350～700メートル、
飛行速度100～130キロ/時

2. 福島第一原子力発電所から30km以上の空間線量率

主な測定地点	市・町	緯度 経度	海拔高度 【対地高度】 (m)	測定時刻	数値(マイクロシーベルト毎時)
【1】	芳賀町 (栃木県)	36° 34.4' N 140° 0.6' E	596 [468]	10:36	0.0342
【2】	那須塩原市 (栃木県)	36° 55.5' N 140° 1.4' E	620 [347]	10:46	0.0429
【3】	郡山市 (福島県)	37° 23.5' N 140° 23.8' E	561 [335]	12:42	0.0543
【4】	飯館村 (福島県)	37° 37.9' N 140° 41.3' E	890 [212]	13:02	0.596
【5】	相馬市 (福島県)	37° 47.7' N 140° 55.7' E	366 [360]	13:16	0.0543
【6】	伊達市 (福島県)	37° 45.9' N 140° 35.4' E	261 [147]	13:21	0.285
【7】	福島市 (福島県)	37° 45.5' N 140° 29.1' E	403 [341]	13:36	0.0670
【8】	二本松市 (福島県)	37° 37.4' N 140° 26.4' E	415 [136]	13:43	0.190
【9】	田村市 (福島県)	37° 27.5' N 140° 33.3' E	619 [566]	13:56	0.0993
【10】	いわき市 (福島県)	37° 3.8' N 140° 50.8' E	239 [186]	14:21	0.0684

※1：実際の飛行ルート

東京ヘリポート→芳賀町→那須塩原市→いわき市（平新日本ヘリコプターヘリポート）→郡山市→飯館村→相馬市→伊達市→福島市→二本松市→田村市→いわき市（平新日本ヘリコプターヘリポート）→日立市（日立ヘリポート）→東京ヘリ





Thank you very much for your
warm and generous
support for Japan