

Contour Maps of Radioactivity Concentrations in Soil Samples Collected at Fukushima, Ibaraki Prefectures and Near Sites.

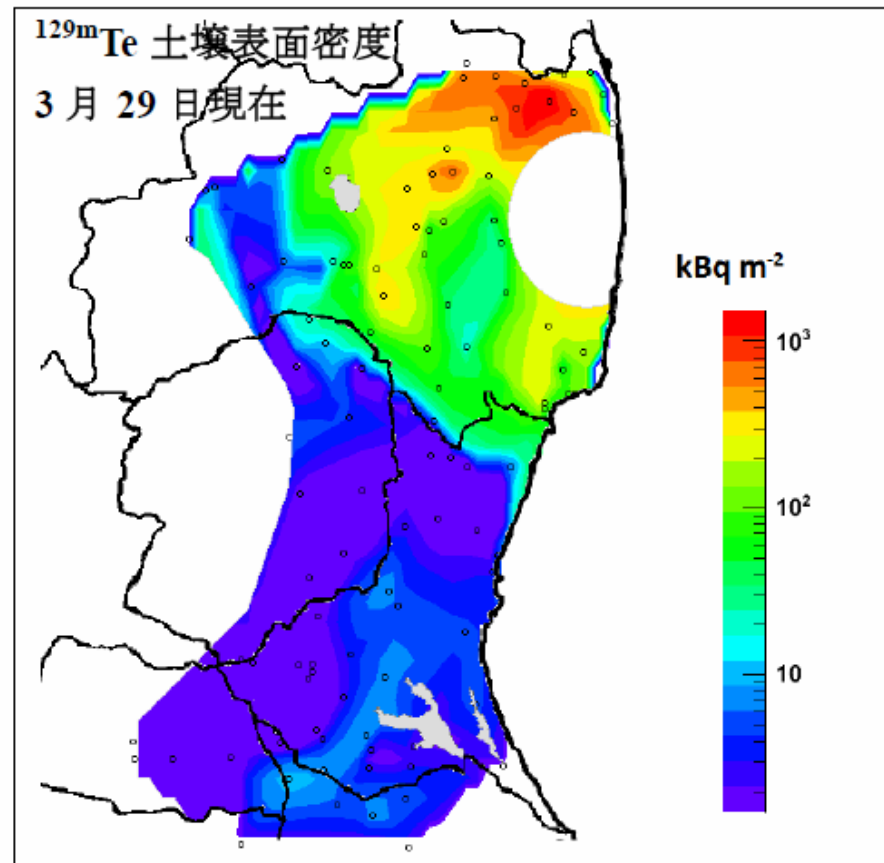
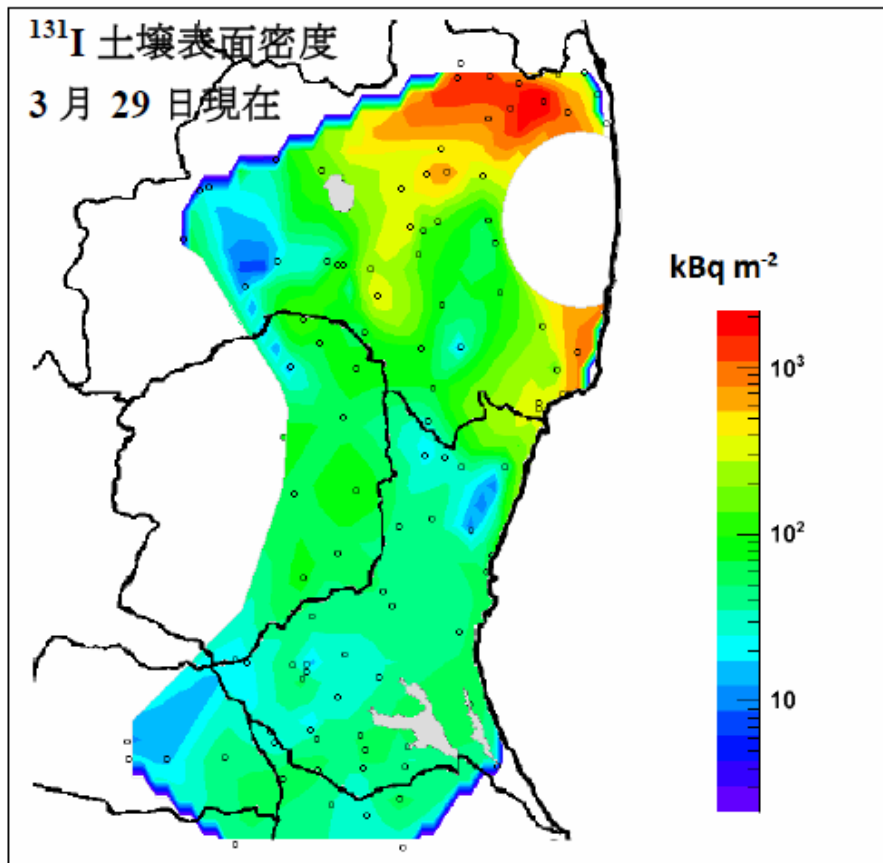
- Procedures
- Contour Maps of ^{131}I , $^{129\text{m}}\text{Te}$, ^{137}Cs , ^{134}Cs (kBq m⁻² on 3/29)
- Contour Map of $^{131}\text{I}/^{137}\text{Cs}$
- Effective dose rate monitors
 - Fukushima-shi
 - Iwaki-shi
 - Kashiwa-campus at the University of Tokyo
- AMeDAS
 - 3/15
 - 3/21

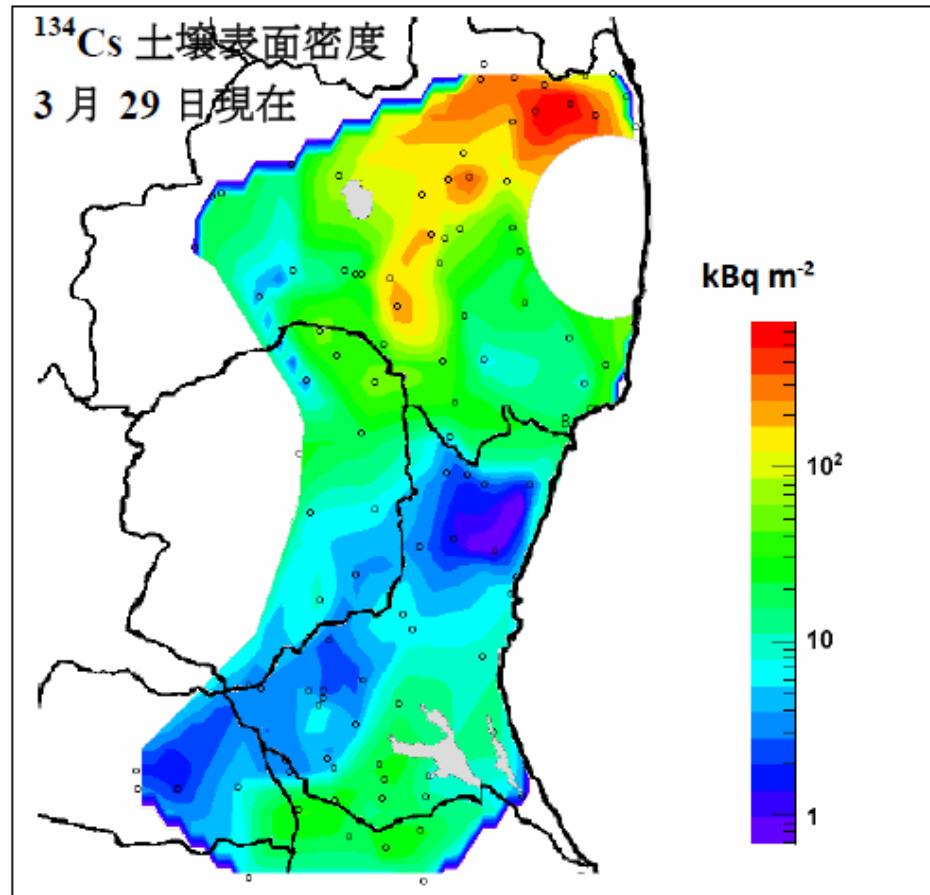
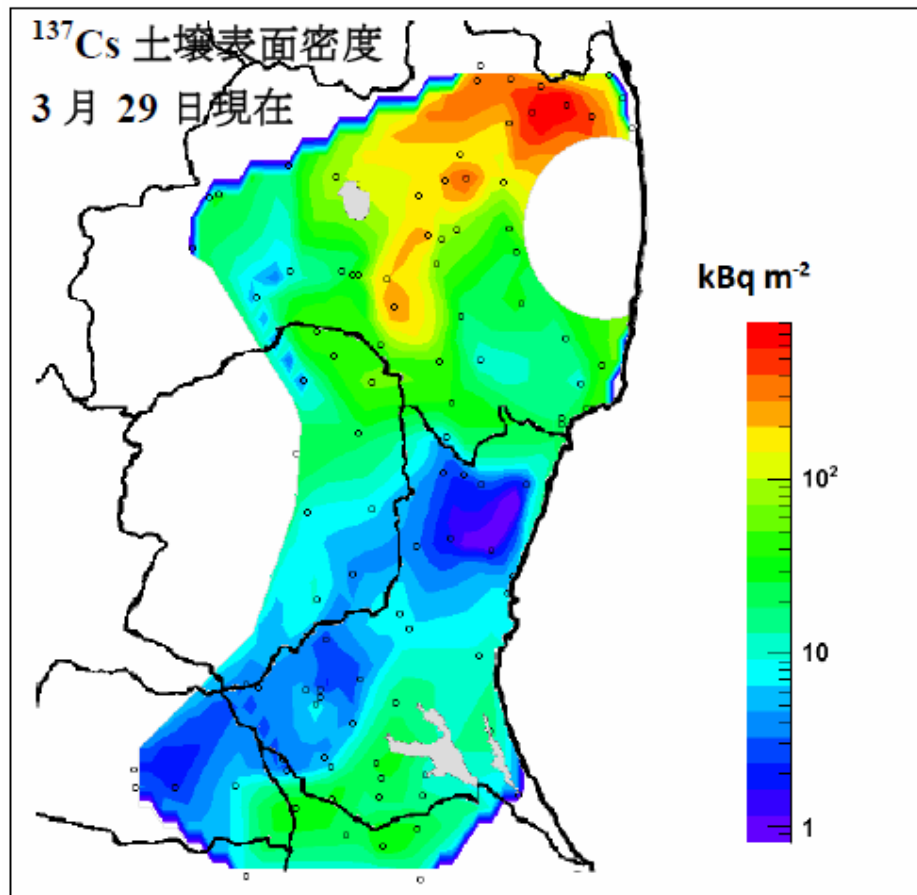
University of Tsukuba

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etc.

Procedures

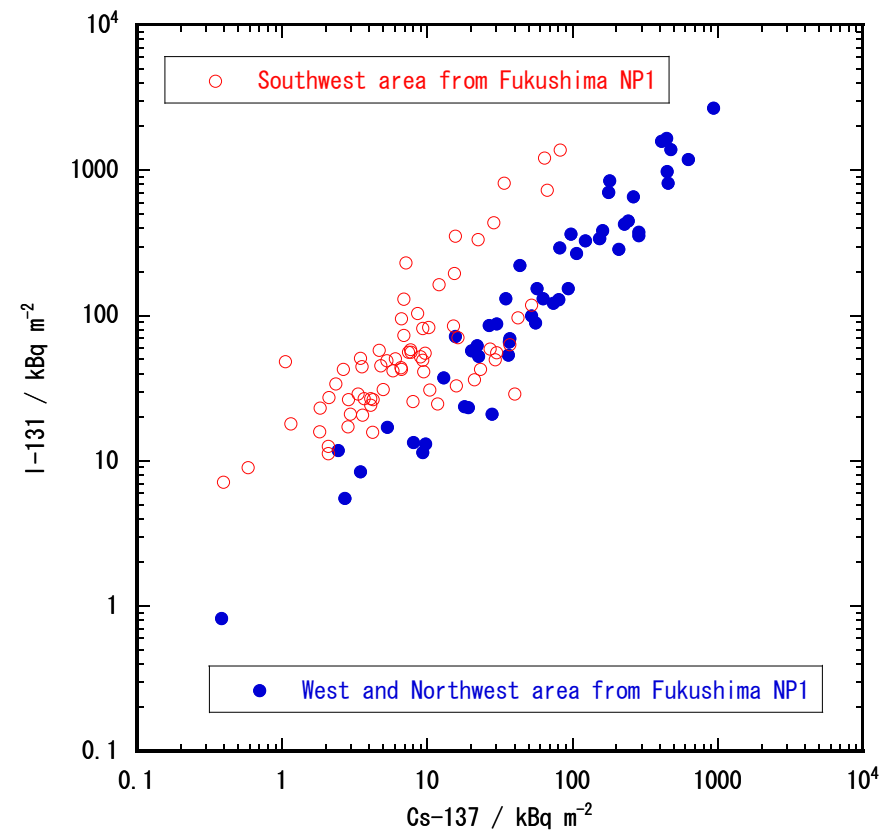
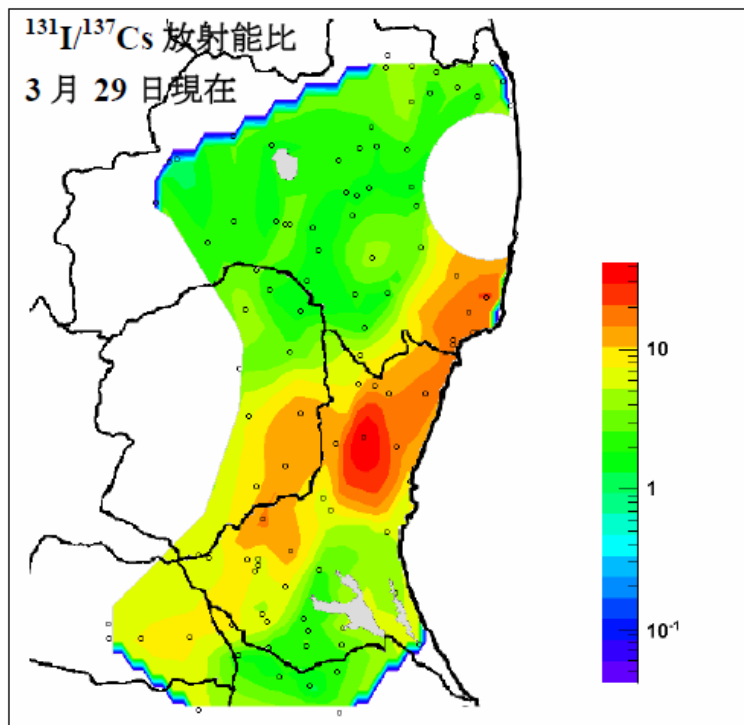
- **Collection of surface soil samples from surface to 5 cm below**
 - at the end of March in Ibaraki and Chiba
 - at middle of April in Fukushima
 - at beginning of May in Tochigi and Saitama
- **γ -ray spectrometry**
 - High-pure Ge detector: ORTEC GEM type
- **Radioactivity concentration**
 - Evaluated nuclides**
 - ^{129m}Te ($T_{1/2} = 33.6$ d), ^{131}I ($T_{1/2} = 8.02$ d), ^{134}Cs ($T_{1/2} = 2.06$ yr) and ^{137}Cs ($T_{1/2} = 30.07$ yr)
 - Radioactivity**
 - Radioactivity in unit area on 29th March, 2011, corrected for decay loss during the measurement
 - 1σ statistical error in the each activity was less than 5% for ^{131}I , ^{134}Cs , and ^{137}Cs , 10-30% for ^{129m}Te .



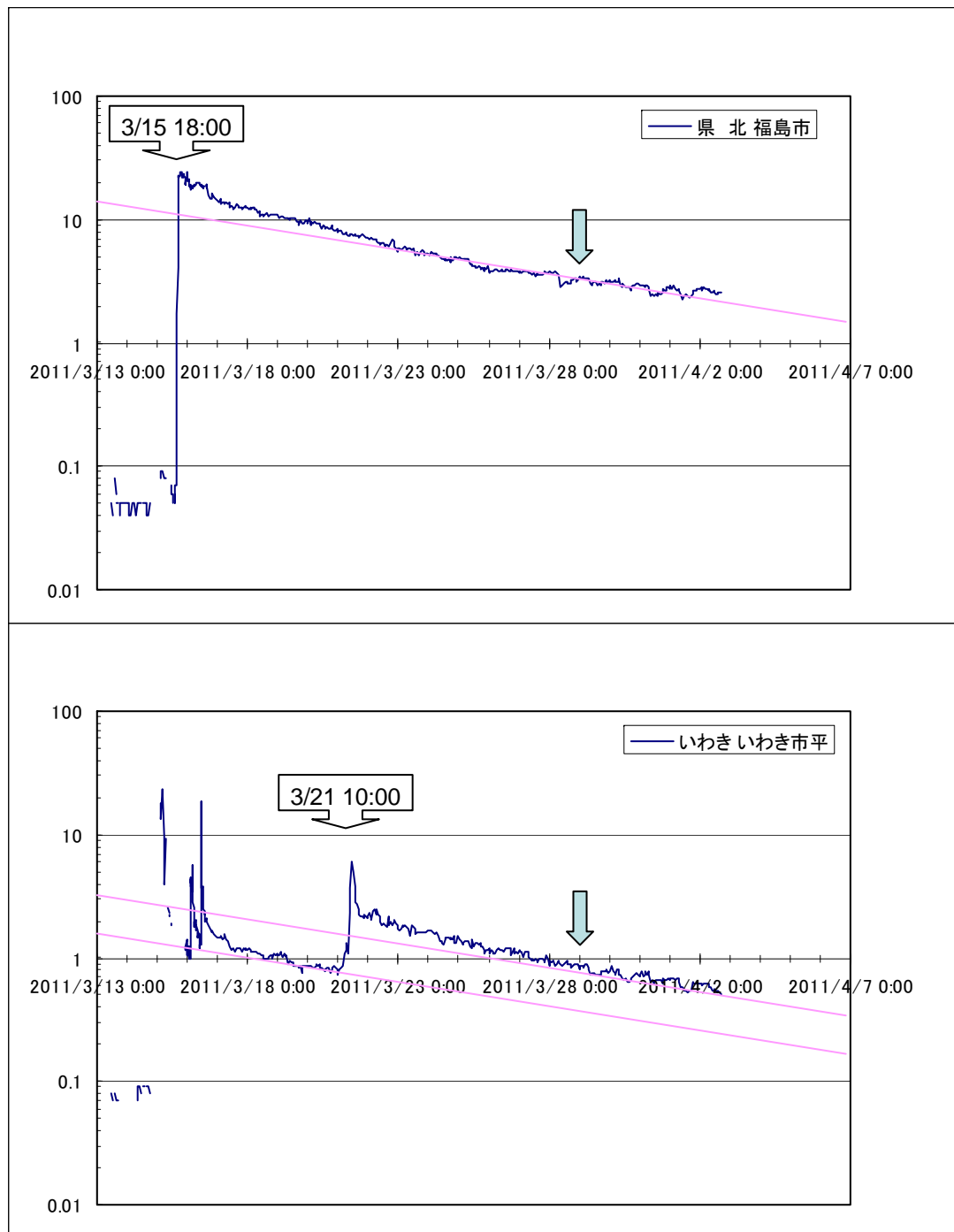


チェルノブイリ基準 (¹³⁷Cs)

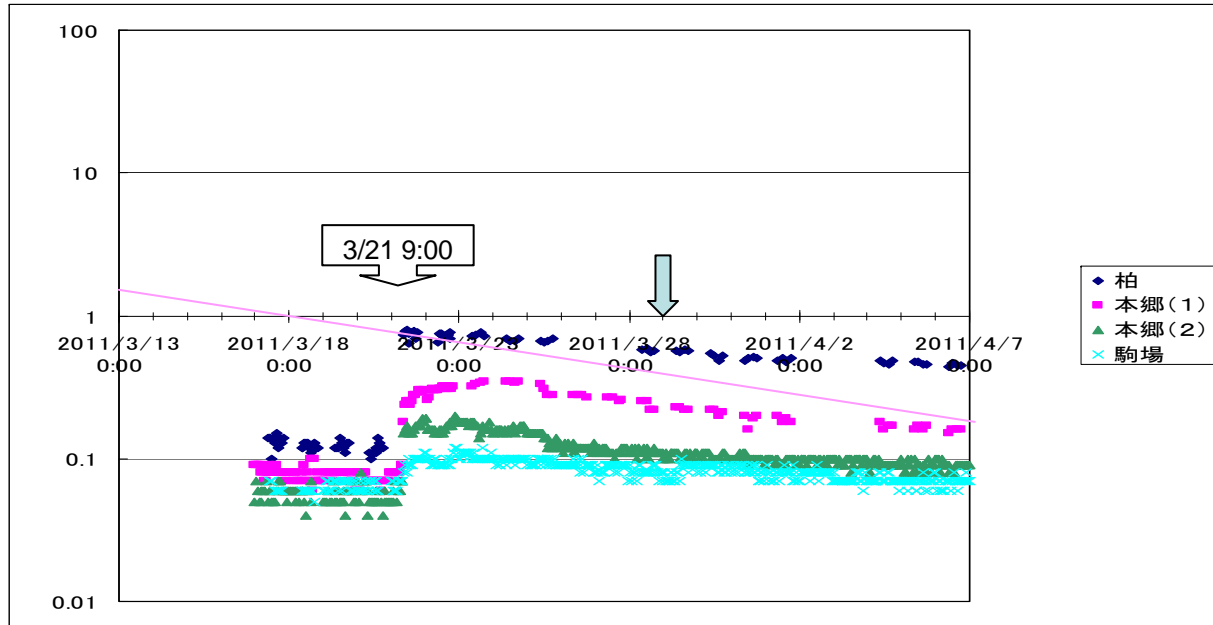
37 – 185 kBq/m ²	Unnamed Zone
185 – 555 kBq/m ²	Periodic Control Zone
555 – 1480 kBq/m ²	Permanent Control Zone
1480 – kBq/m ²	Confiscated/Closed Zone



空間線量率の変化



Data source:
<http://www.pref.fukushima.jp/j/7houbu0311-0331.pdf>



Data source: http://www2.u-tokyo.ac.jp/erc/report_201103_j.html

AMeDAS情報から

