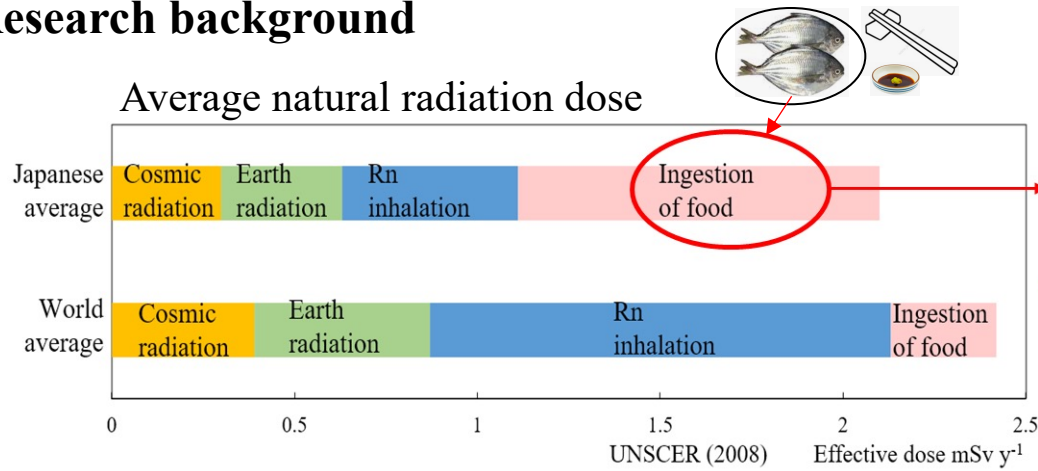


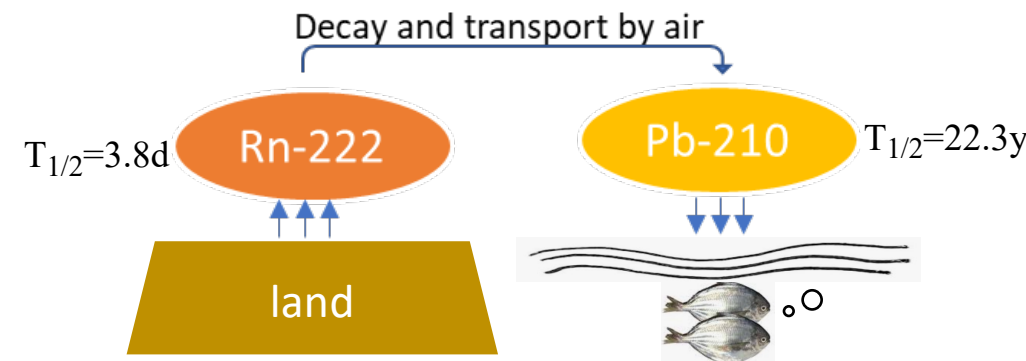
Elucidation of the spatial distribution and seasonal variation of ^{210}Pb around Japan.

IIMOTO LAB CAI Yu

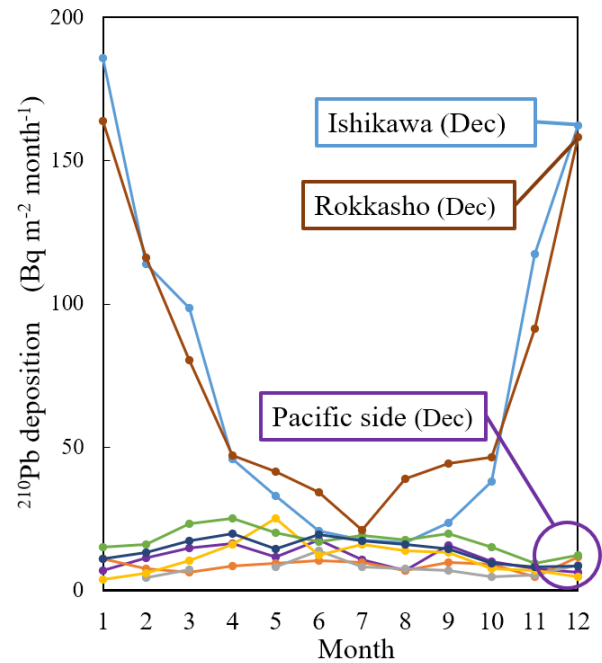
1. Research background



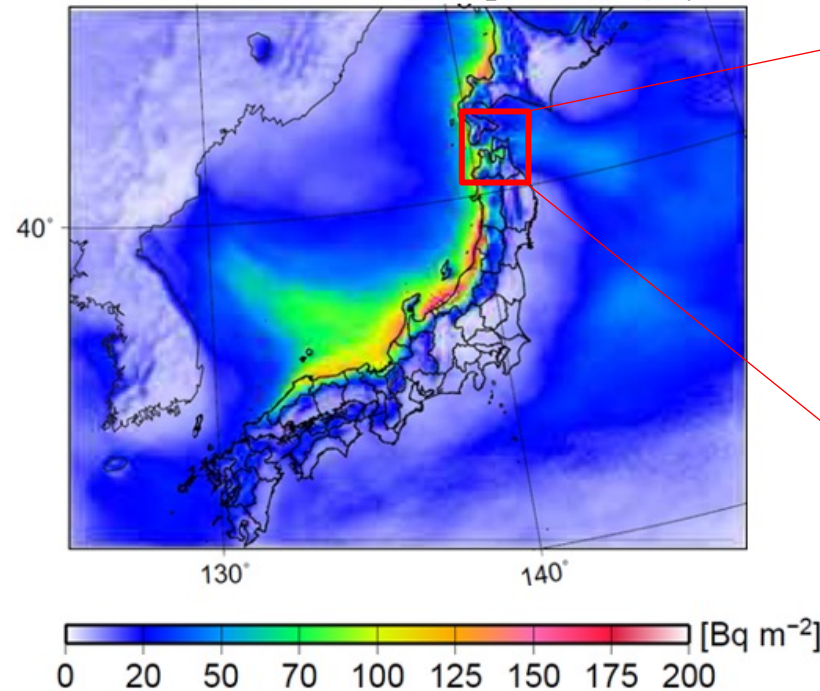
Pb-210
Po-210



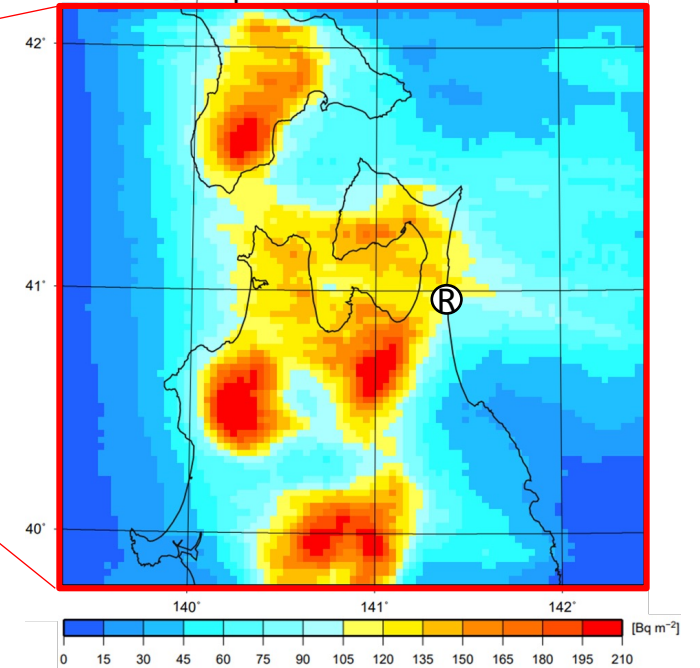
Observation of Pb-210 deposition^[1]



9 km calculation results of deposition (5-year average)

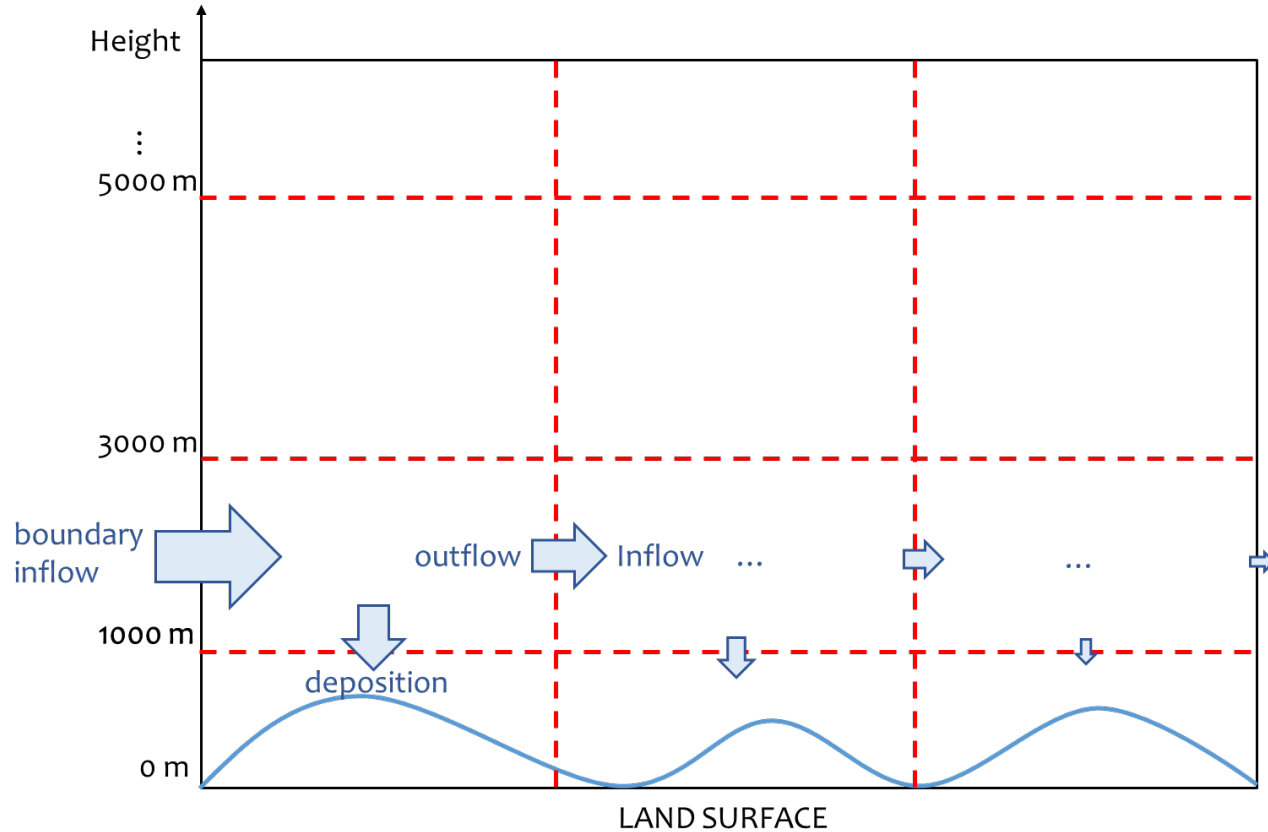


3 km calculation results of deposition(2015.12)



2. Research purpose

- Analysis of concentration changes in the atmosphere



- Verification of 3 km calculation

Use dose rate detector (MP) to evaluate ^{214}Pb ^{214}Bi (precursors of ^{210}Pb).

- Analysis of the seasonal variation of deposition

Simulate deposition in Japan over several years.

Atmospheric concentration change when deposition occurs:

