FUKUSHIMA ACCIDENT IN JAPAN BY MEANS OF LMDZORINCA MODEL. IMPACT ASSESSMENT TO THE POPULATION AND THE ENVIRONMENT

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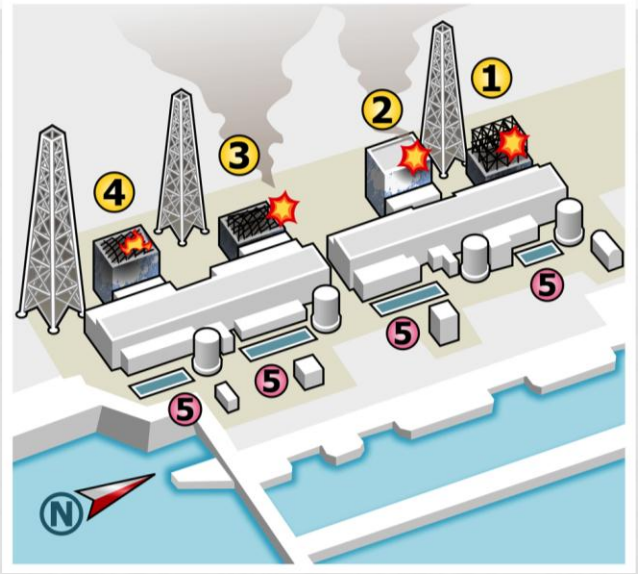
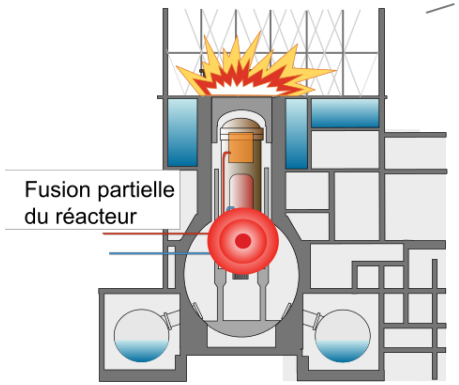
The accident…

(source: wikipedia website)



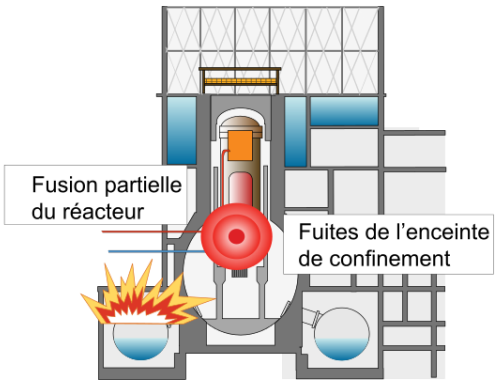
Réacteur 1

12 mars 15h36 : explosion soufflant le toit du bâtiment



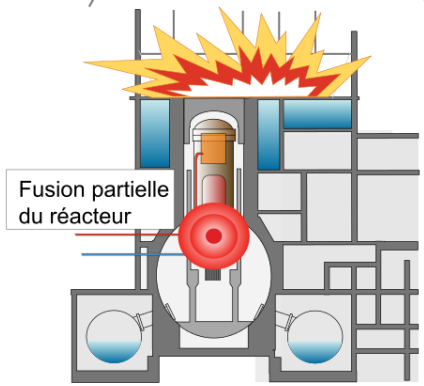
Réacteur 2

15 mars 6h10 : explosion dans le tore de condensation



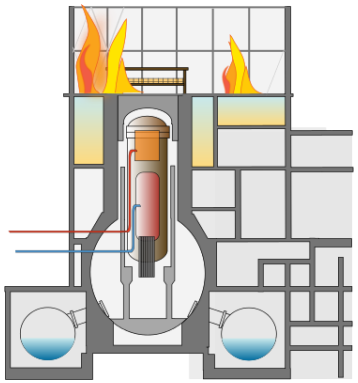
Réacteur 3

14 mars 11h01 : explosion de la structure du bâtiment



Réacteur 4

15 mars 9h38 : Incendie au niveau de la piscine d'entreposage

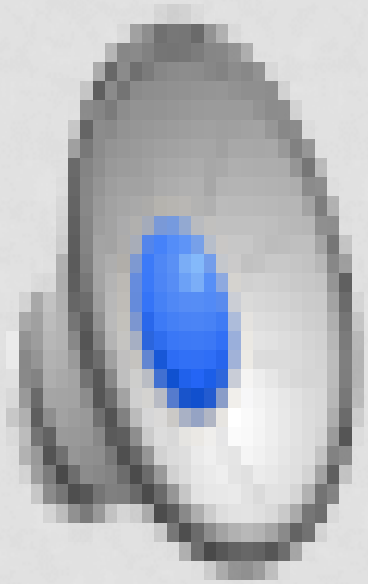


19 – 39 Levels

The case of Fukushima Daiichi accident (March 11th, 2011)

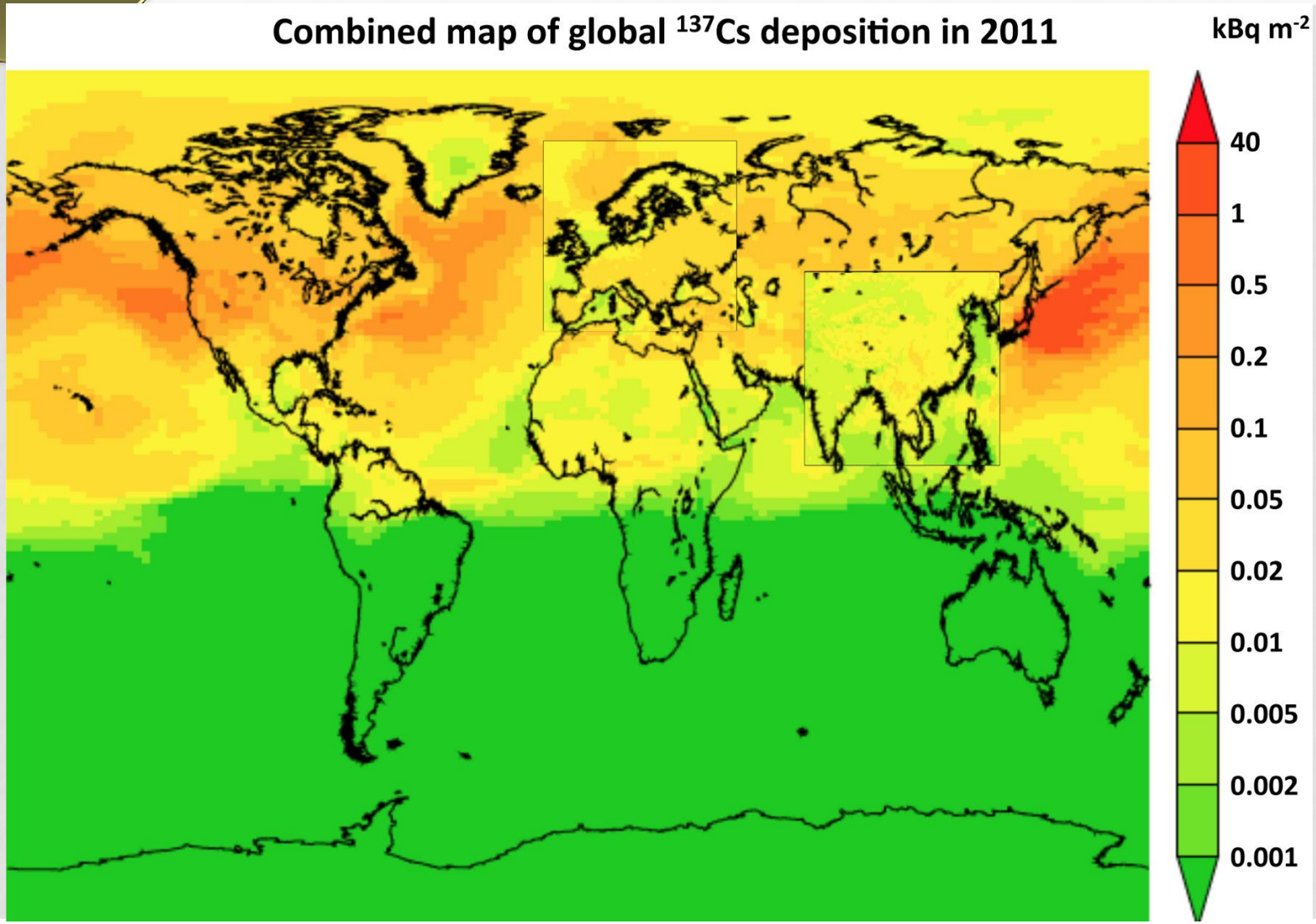
19 vertical levels

39 vertical levels



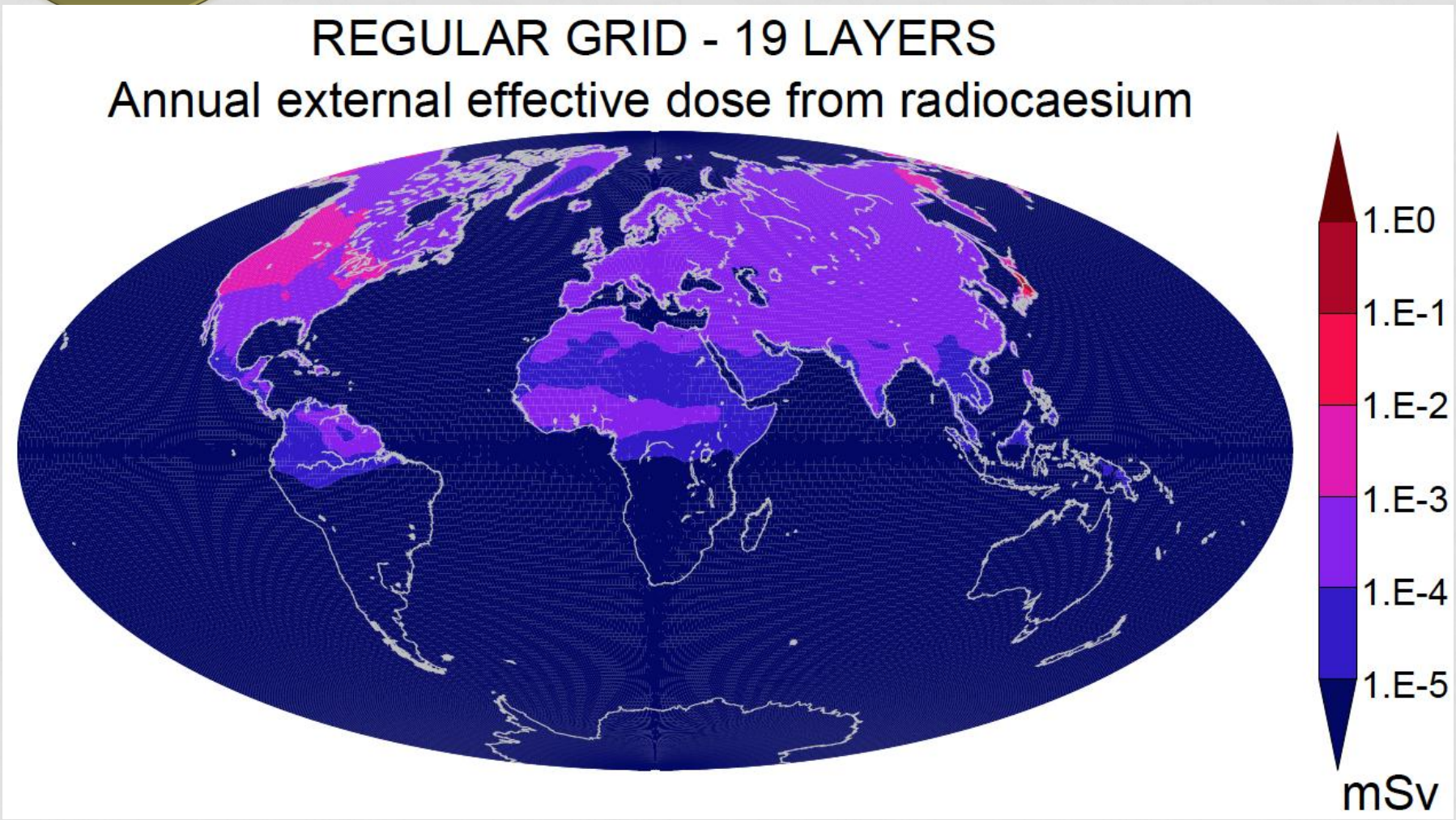
Combined

Deposition at the end of 2011



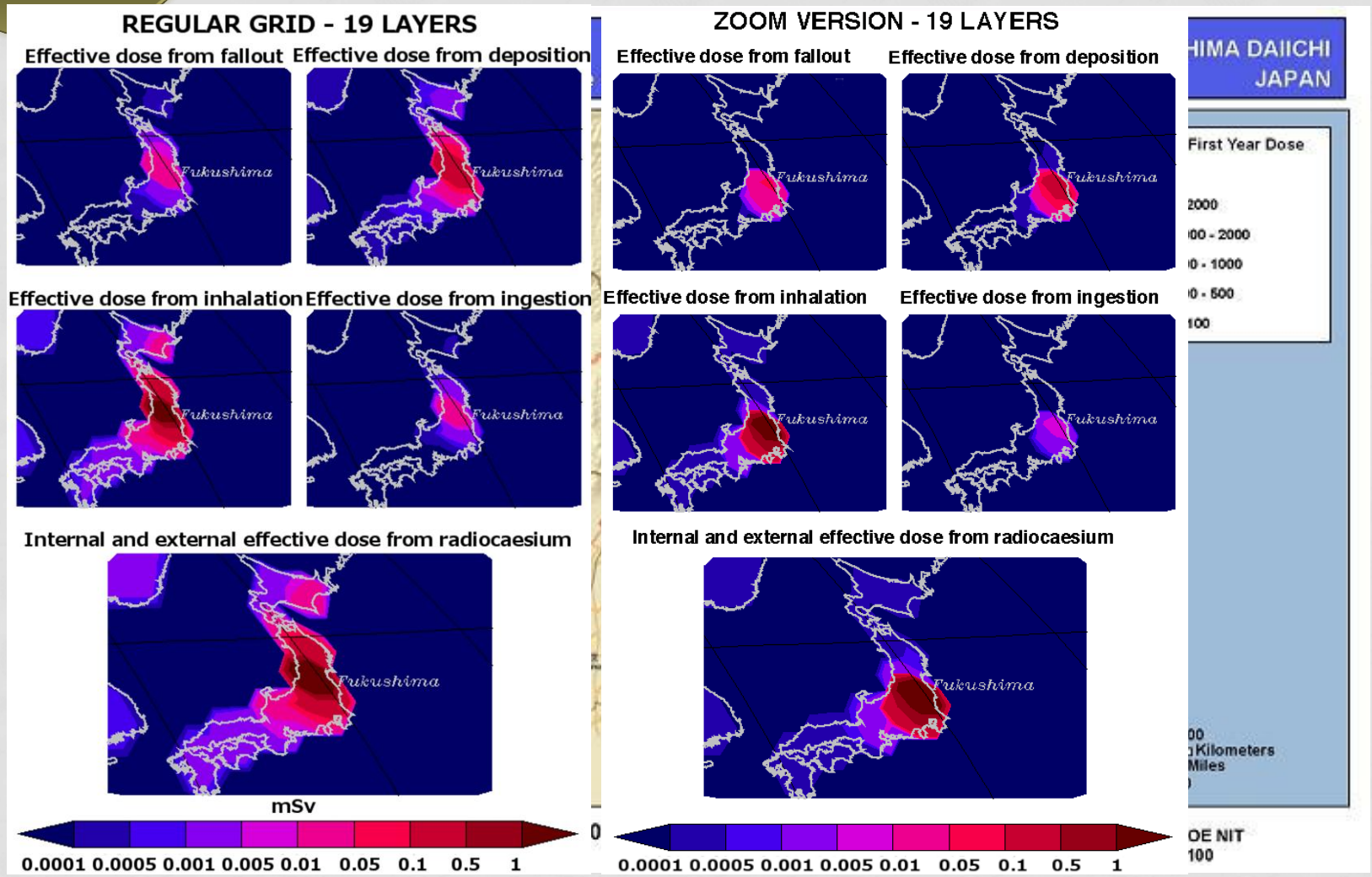
RG19L

Global dosimetry from deposition

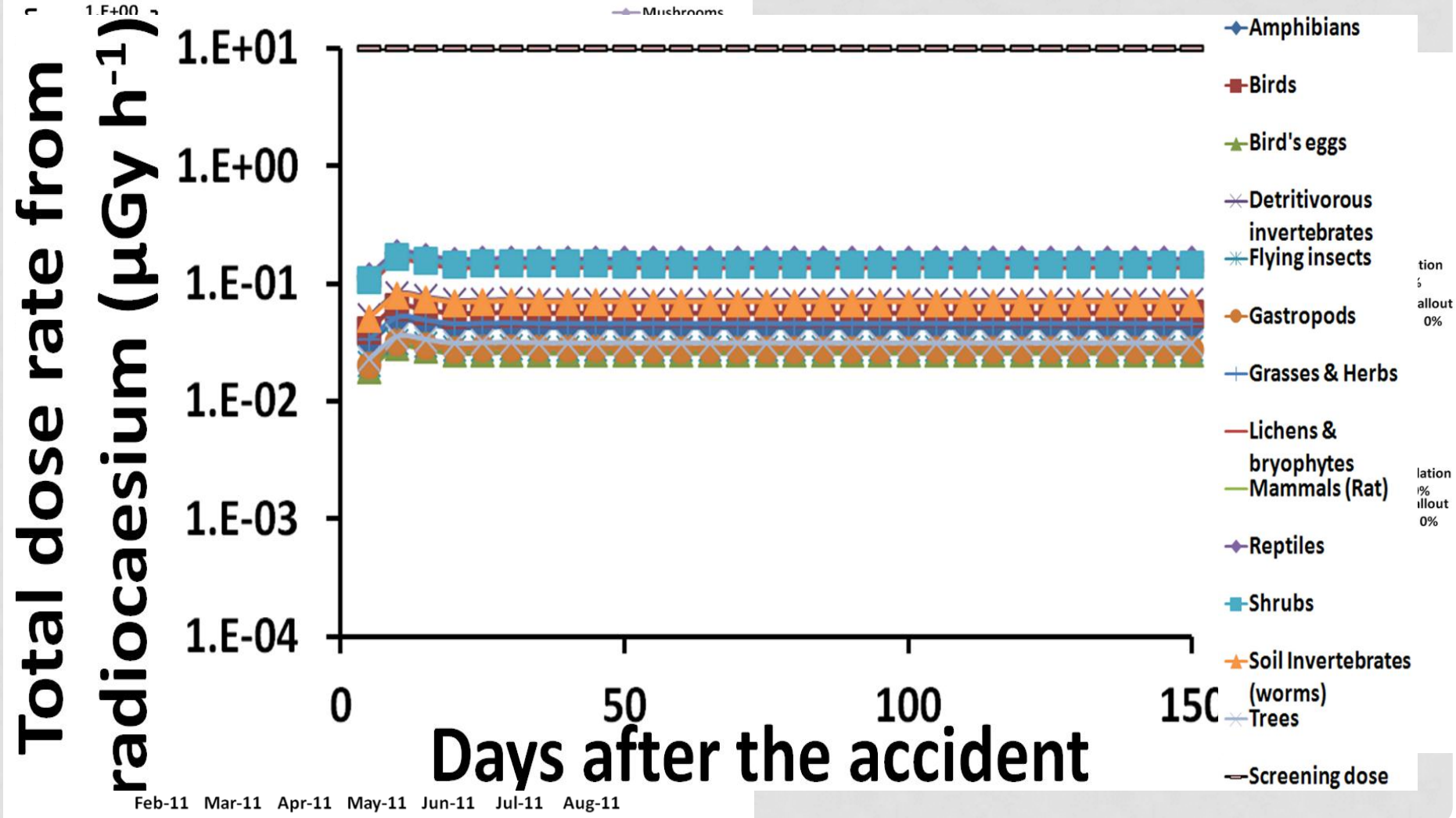


RG19L and zAsia

Dose rates of population exposure



Dose rates of population exposure



VALIDATION

Model vs Measurements