

#### **Ansto**

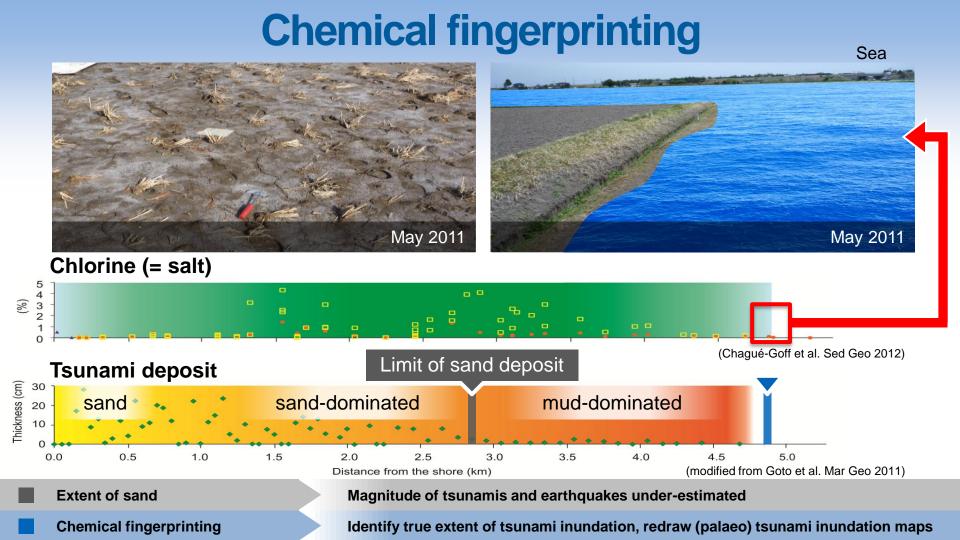
### How resilient are our shores?

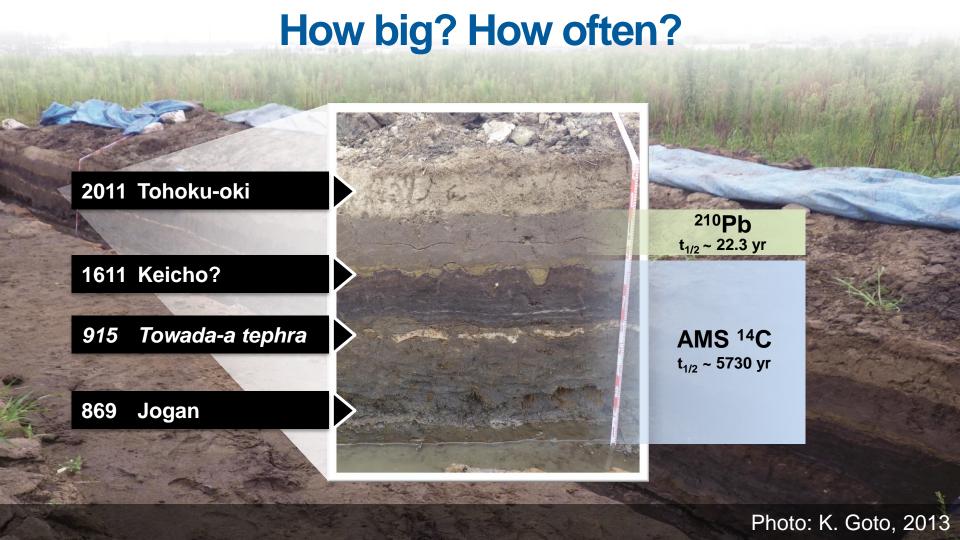
Applications of nuclear techniques to the study of storm surges, tsunamis and sea-level rise

Catherine Chagué-Goff<sup>1,2</sup>, Henk Heijnis<sup>1</sup>, Patricia Gadd<sup>1</sup>, Atun Zawadzki<sup>1</sup> and James Goff<sup>2</sup>

<sup>1</sup>Australian Nuclear Science and Technology Organisation, Australia; <sup>2</sup>University of New South Wales, Australia



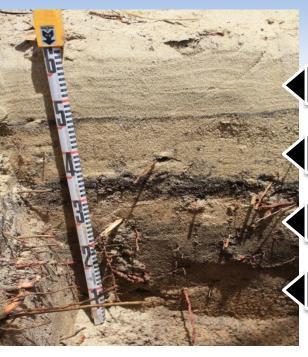








#### How big? How often?



**Tropical Cyclone Yasi**, 2011

**Tropical Cyclone Larry, 2006** 

**Tropical Cyclone Winifred**, 1986

**Innisfail Tropical Cyclone**, 1918



Landward — Progradation

→ Seaward

(from Nott et al. JGR 2013)



## **Ansto**

# Thank you