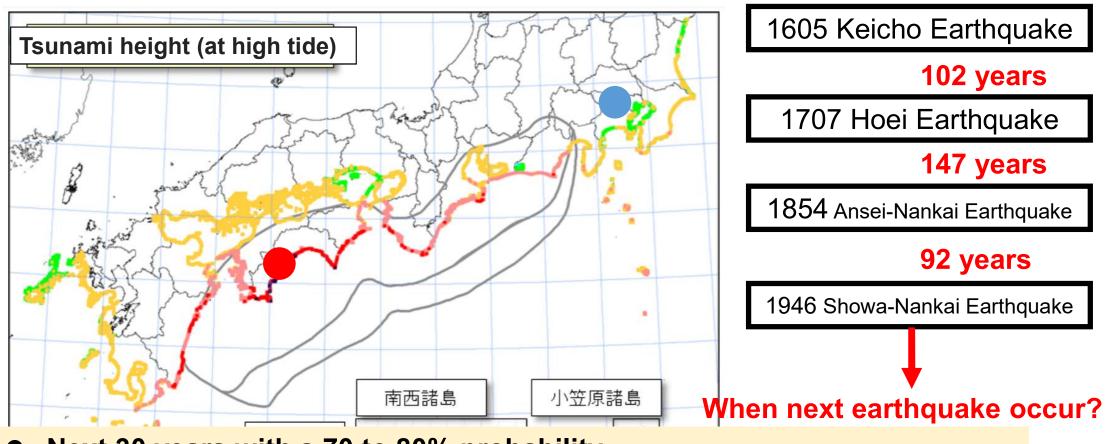
Tsunami disaster risk reduction activities through the collaboration among school, community and local government -Japanese experience

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Potential Nankai Trough Earthquake and Tsunami



- Next 30 years with a 70 to 80% probability
- Estimated tsunami height: 34 m
- Arrival of the first tsunami wave: a few minutes after the earthquake



Okitsu community, Shimanto Town, Kochi Prefecture. "Gurumi Group" ("gurumi" means "among all.")

Okitsu Community Voluntary Disaster Prevention Organization (Local residents).

Okitsu Primary school

Shimanto town gov't

Kyoto University

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Elaboration of BOSAI map each year



- The fifth and sixth graders elaborate the BOSAI map each year for 20 years
- Students think about the necessary tsunami evacuation measures from the perspective of the residents (elderly, small children, etc.).
- Students share the BOSAI map with residents and local government through the presentation.









Year of production	Subject
2003	Elaborate the first BOSAI map
2005	Identify tsunami evacuation sites
2009	Identify tsunami height of each place
2010	Identify landslide and landslide risk
2011	Measure the time required for evacuation.
2015	Find out the risk on the evacuation route (day and night version).
2018	Turn the map into a game.

Multiple impacts of BOSAI map



Retrofitting of the bridge over evacuation route



Increased percentage of parents participating in drill



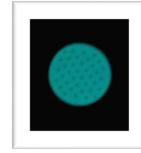
Transfer to high places of day care center and nursery school



Improved evacuation signage Indication of tsunami arrival time



Placement of phosphorescent markers on the evacuation route → They glow at night





Storage (Local gov't + Community)



Construction of evacuation routes (Local gov't)



Construction of the tower (Local gov't)



Subsidy for seismic reinforcement of brick walls and housing (Local gov't)



Elaboration of the evacuation center operation manual



Evacuation drill (Local gov't + School + Community)

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- Promote DRR measures of the local community to protect the lives
- Linking school, municipality and expert



- Educate students to protect themselves from earthquakes and tsunamis.
- Promote their proactive learning through DRR education
- Encourage exchange between students and community



- Carry out infrastructure improvements taking into account the opinions of schools and residents.
- Provide specialized information on seismic and tsunami disaster risk



- Provide specialized information on seismic and tsunami disaster
- Support DRR education in school and community

Keywords: Collaborative model / School-centered disaster risk reduction activities
/ Disaster risk reduction education

However

Collaborative model

Primary school and junior high school are closed at a rate of 100 and 50 schools respectively each year due to depopulation



From "School-driven" to "Community-driven"



https://youtu.be/YiE7-EmEr34

Passing the torch of DRR from children to community

Thank you very much

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