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We investigate the possibility of tsunami hazard in North Bali due to the Flores Back Arc Thrust earthquake.

North Bali has a history of being hit by tsunamis — a massive one in 1815 left more than 10,000 people dead. Yet, it remains under-researched.

We applied TOAST based on Easywave simulation to simulate a worst-case M7.4 earthquake and tsunami.

Key Result

Tsunami waves of more than 3.4 meters high within 1 minute could slam Eastern Buleleng, with more than 387,000 people at risk.

Want to Know More?

Let's talk! See you at our poster — we will discuss how real-time modeling such as TOAST can improve tsunami preparedness at the community level.

