COMPETING REQUIREMENTS
SPEED and ACCURACY

When to issue Tsunami Warning?

• EQ (Location, Magnitude, Finite Fault

• Forecast (Source, Coastal Inundation)
LOCAL TSUNAMIS
SPEED and ACCURACY

• Announce Quickly
  Hypocenter + Magnitude => Database

• Simple Message (Warning => Evacuate)
  Blocks, Alert Categories (hgt), Action

• Don’t wait for warning – leave immediately
  Comms, night/day, special needs pop, slow eqs,
Timeline – Forecasting
Goal: 15 min

- **EQ Source:** 3-15 min => (?)
- **Basin-wide Forecast:** 1-5 min => (1)
- **High-Res Forecast – Inundation:** 10-15 min => (1)
- **Data DART – iterate/improve:** 20-120 min => (10)
REALITY - FORWARD

* NO PREFECT WARNING
* SCIENCE HARD, BUT NECESSARY
* FOR PROGRESS - BOTH REQUIRED TECHNOLOGY (TSUNAMI WARNING) and PREPAREDNESS