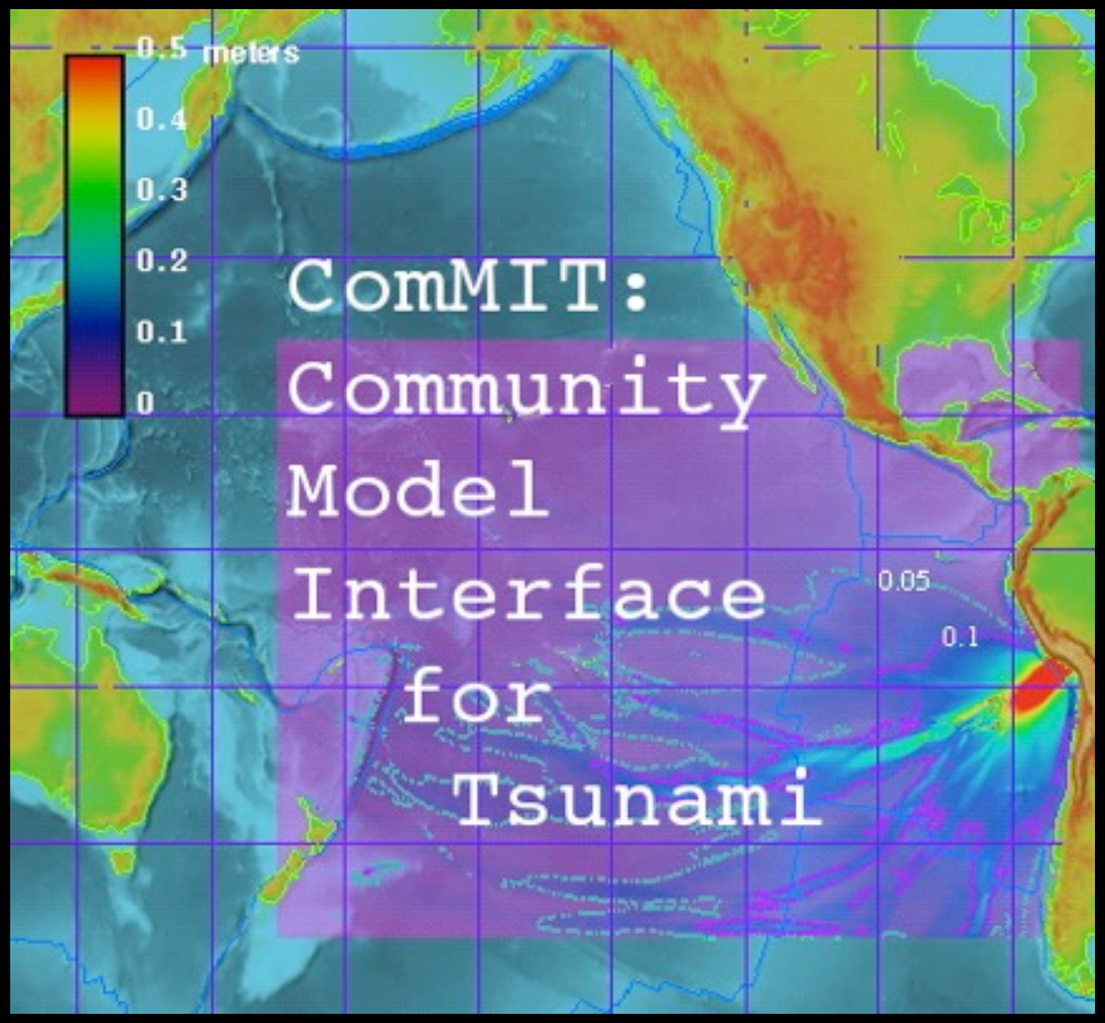


Introduction to ComMIT

What is ComMIT?

An easy-to-use tool for tsunami inundation modeling with the MOST model

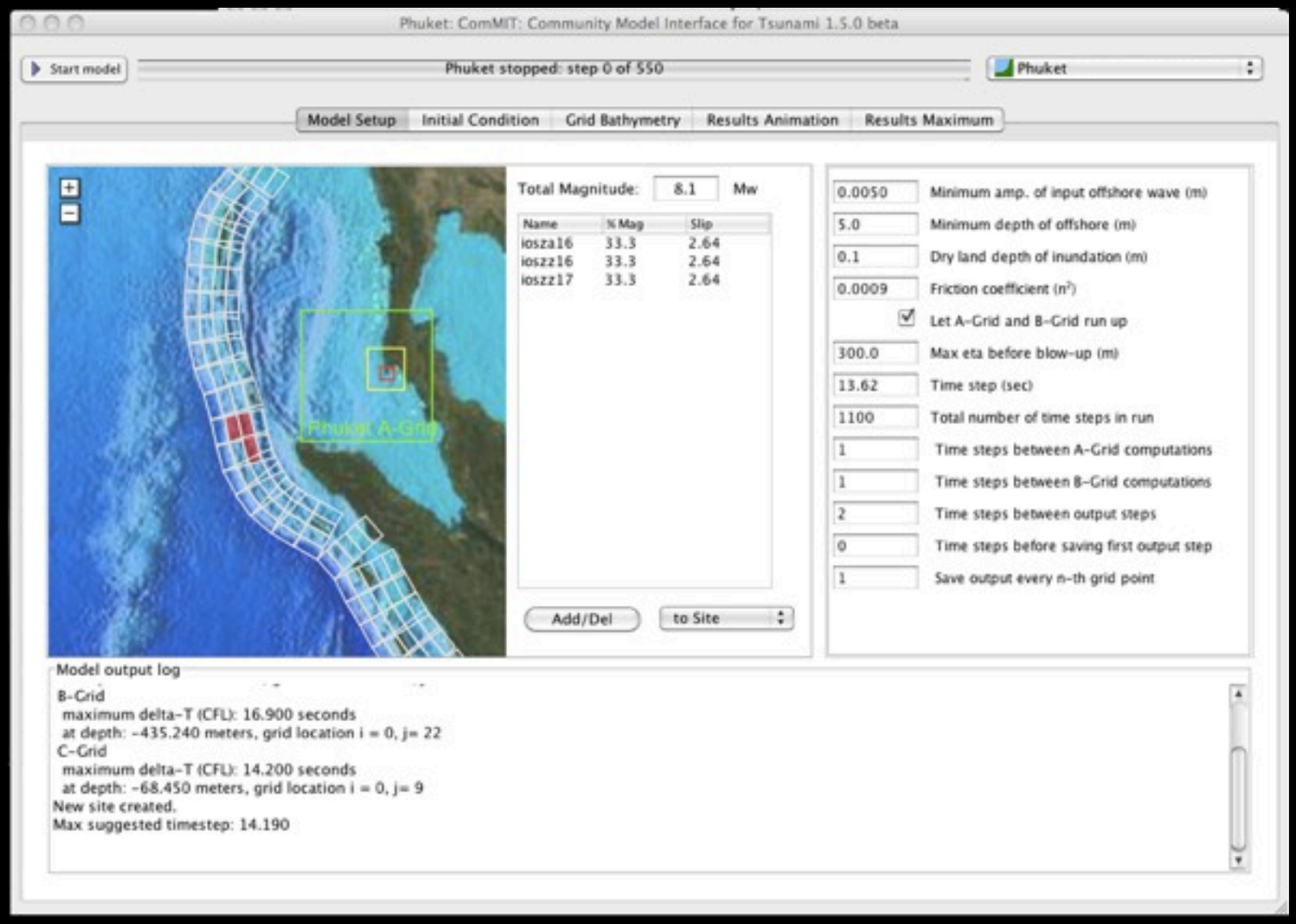
NOAA Center for Tsunami Research

Pacific Marine Environmental Laboratory

- ComMIT and MOST are developed by the NOAA Center for Tsunami Research, Seattle, USA
- Ten ComMIT training programs, most funded by UNESCO, have been completed worldwide since 2007
- A global community of tsunami modelers

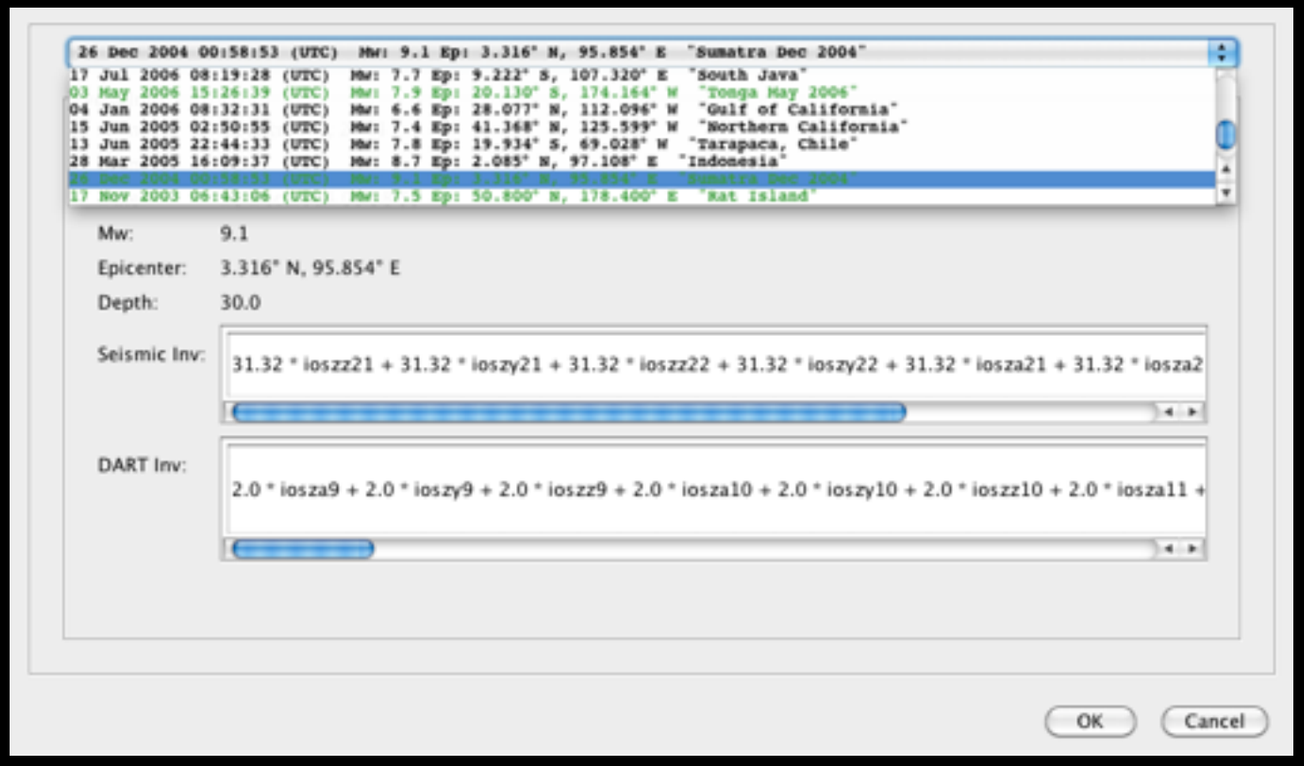
ComMIT: an easy-to-use tsunami inundation model

Set up source scenarios using NOAA's tsunami propagation database



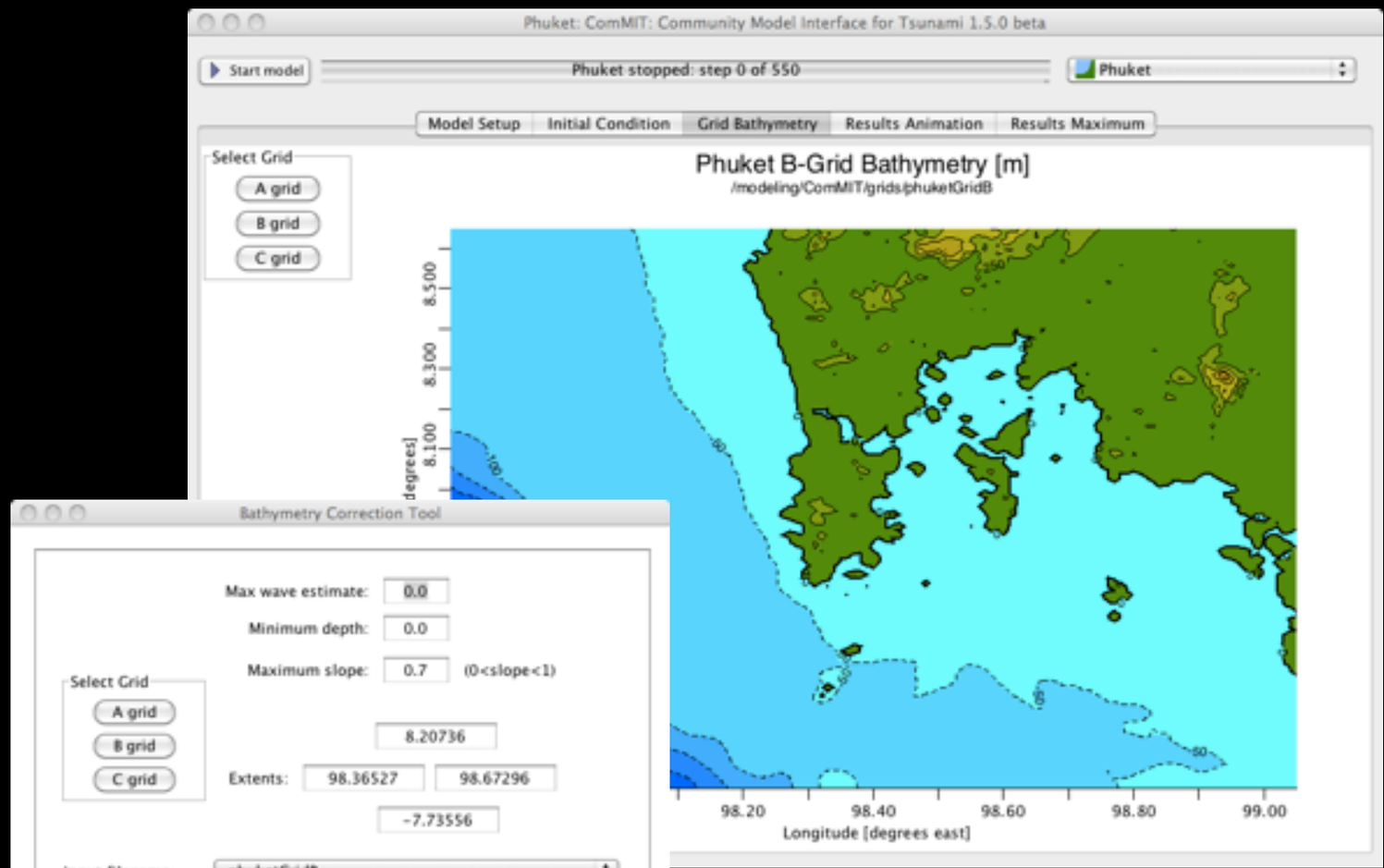
ComMIT: an easy-to-use tsunami inundation model

Run models of current or past tsunami events using source specifications from DART inversion.



ComMIT: an easy-to-use tsunami inundation model

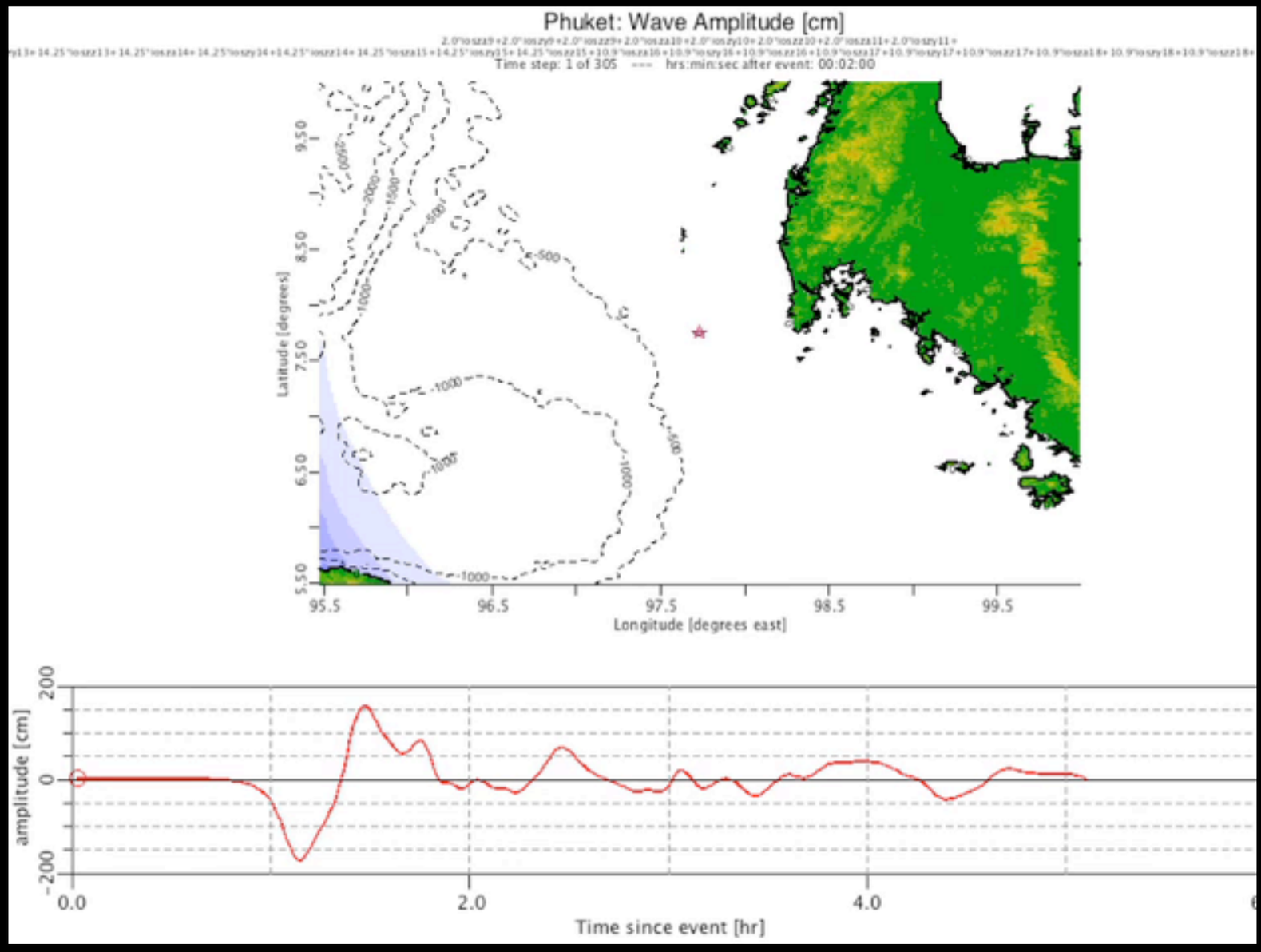
Generate, view and modify bathymetric model grids

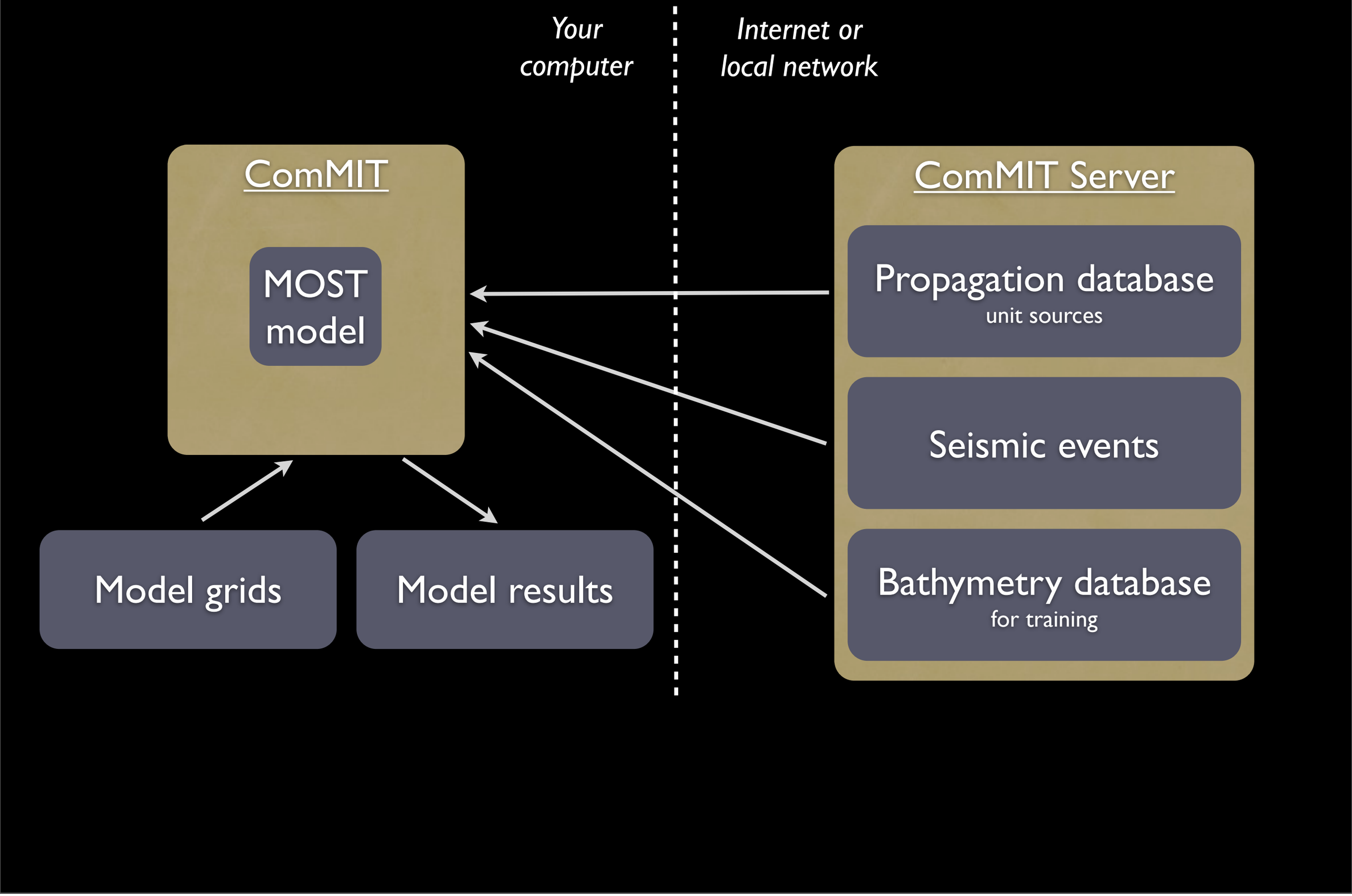


ComMIT: an easy-to-use tsunami inundation model

Run the MOST tsunami inundation model

Display model results timeseries and animations




Your computer
Internet or local network
ComMIT
MOST model
Model grids
Model results
ComMIT Server
Propagation database
unit sources
Seismic events
Bathymetry database
for training

Let's Try ComMIT!

- We will now disconnect from the internet and connect to a "private" ComMIT training network

  ➡ This local network (not connected to the Internet) gives us fast access to the databases ComMIT needs. After the training, you can use the same databases over the Internet.

- Use a Web browser to visit this address: `http://192.168.1.10:8080/ComMIT/`

- Download the ComMIT version for your operating system. If Java is not installed on your computer, download and install it first.

- Follow the Getting Started instructions on the web page to run your first model.

Bathymetry Data

- If you have access to bathymetry data that they would like to create a model with, please bring it in this week
- We can try to use the data and run it in ComMIT
- It is *not* necessary to make the data public - all bathymetry data in ComMIT will stay on that computer

Hazard Assessment Exercise

- The class should divide into four groups
- Each group is assigned a model location: Hilo, West Port, Seaside, Crescent City
- See the handout for more instructions

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Using ComMIT After This Course

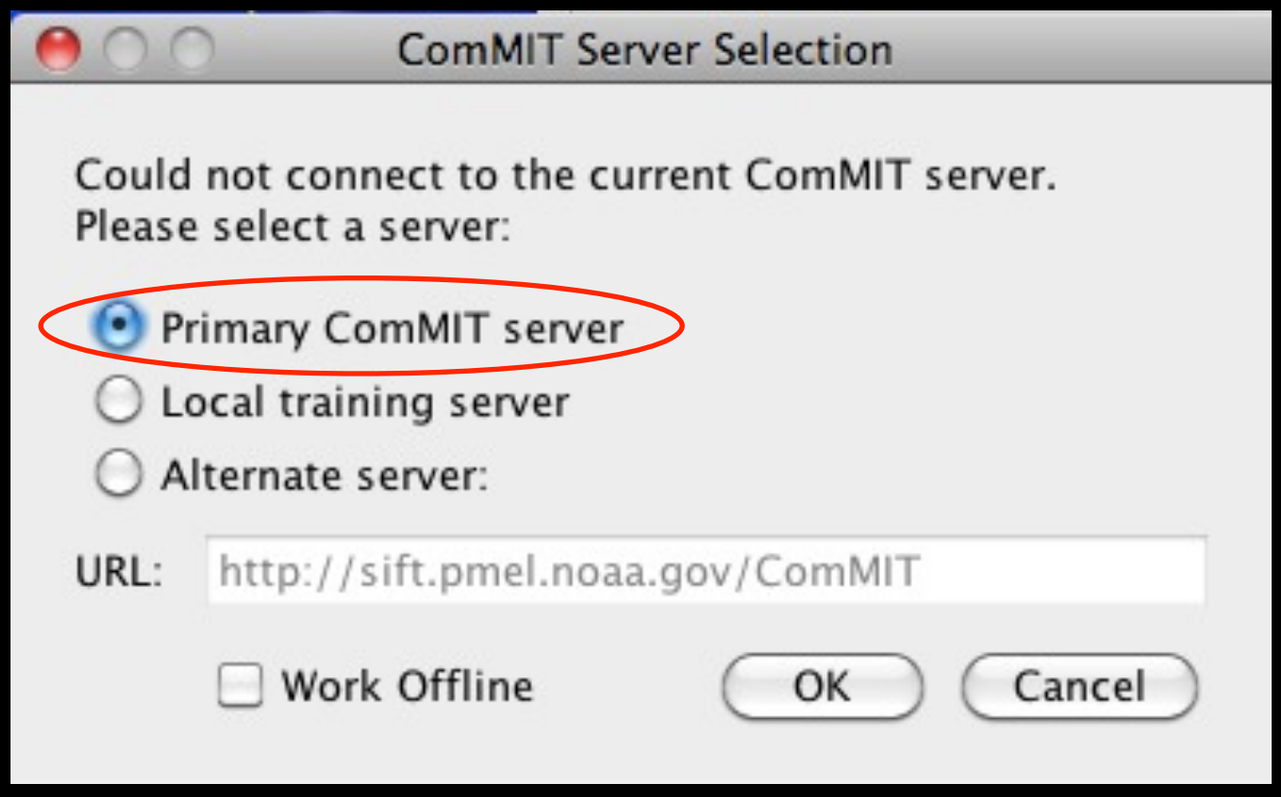
Download ComMIT from

http://nctr.pmel.noaa.gov/ComMIT/

username: `nctr`

password: `wave`

Using ComMIT After This Course



Agenda

- This morning:
  - Introductory lecture on ComMIT
  - Installation of ComMIT
  - Run an initial test model
- This afternoon:
  - Hazard assessment exercise
- Tomorrow morning:
  - Lectures on model development
- Tomorrow afternoon:
  - Start of Participant Inundation Study - create your own models!