

# Introduction to ComMIT

# Agenda

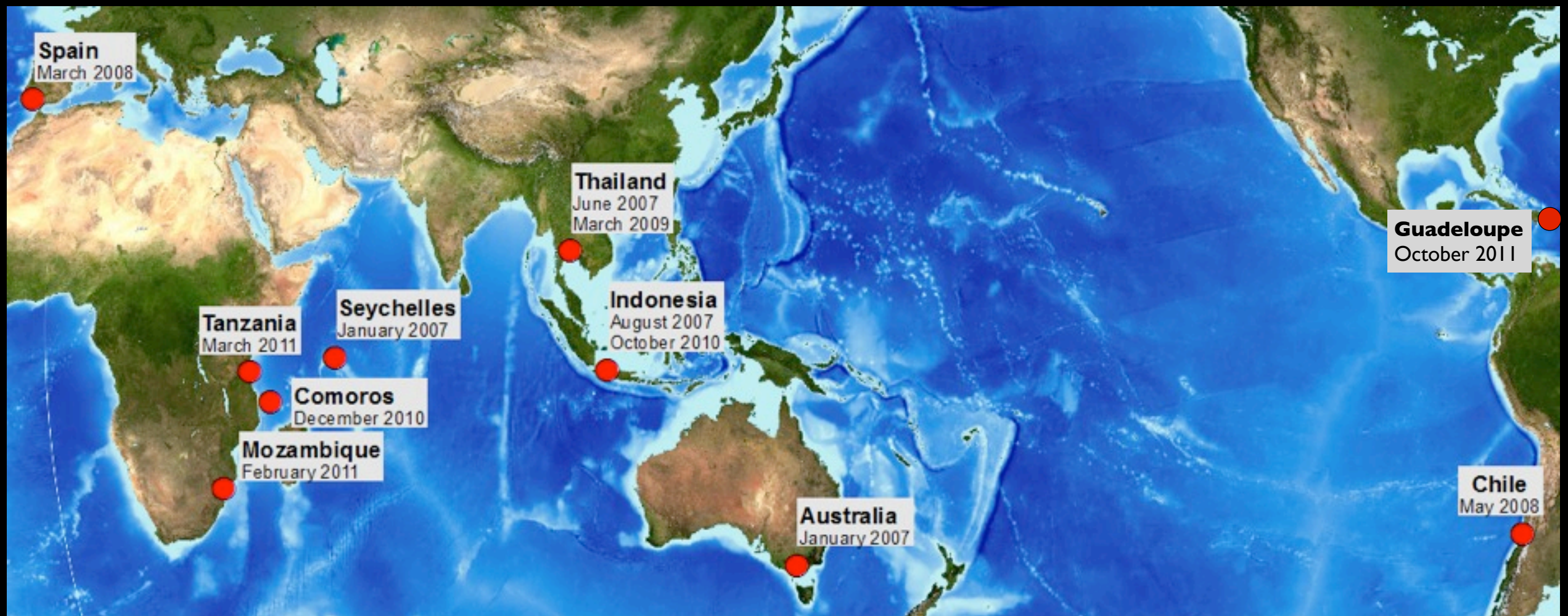
- This morning:
  - Introductory lecture on ComMIT
  - Installation of ComMIT
  - Run an initial test model
- This afternoon:
  - Hazard assessment exercise
- Tomorrow morning:
  - Lectures on model development
- Tomorrow afternoon:
  - Start of Participant Inundation Study - create your own models!

# What is ComMIT?

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

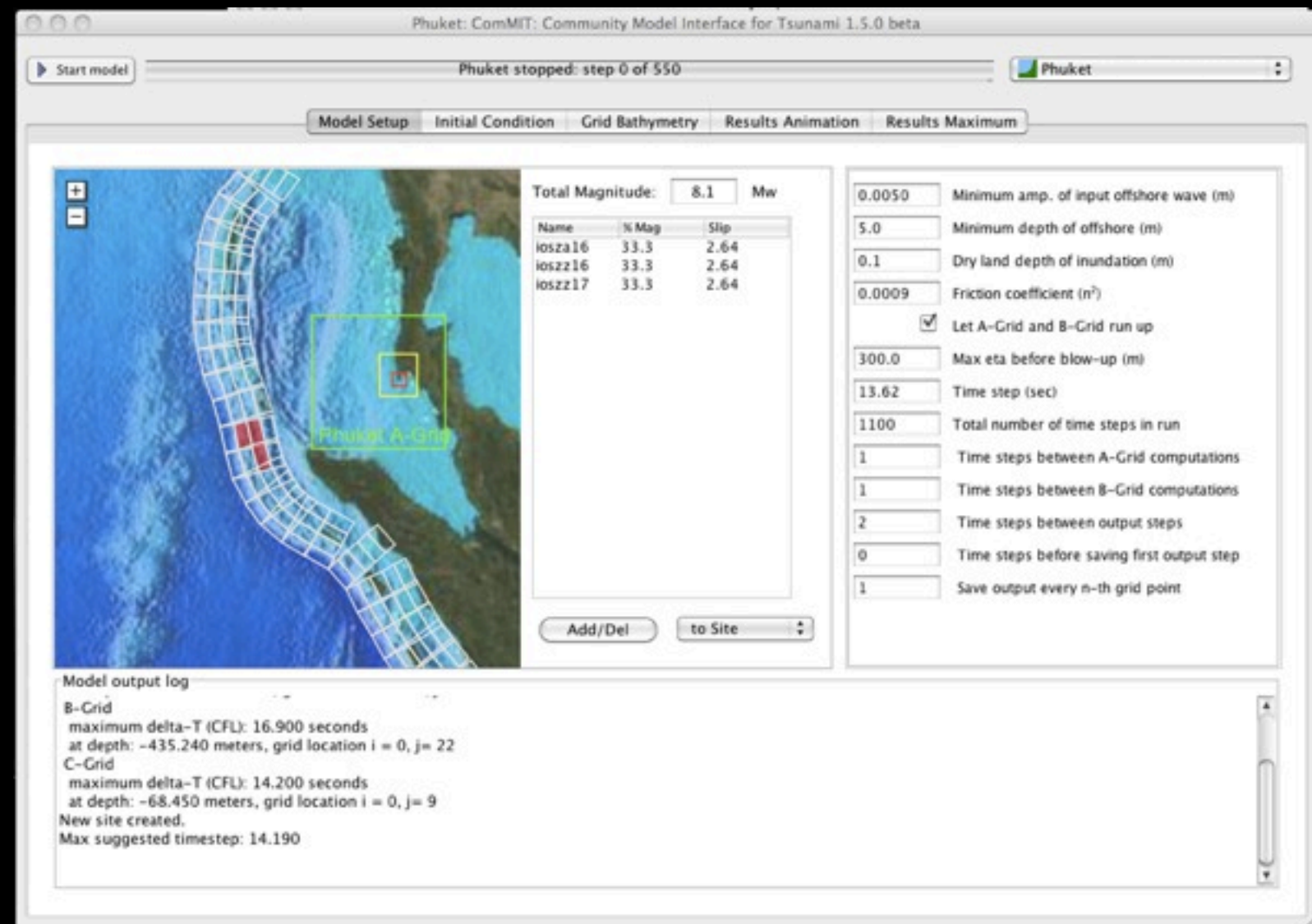


- ComMIT and MOST are developed by the NOAA Center for Tsunami Research, Seattle, USA
- Eleven ComMIT training programs, most funded by UNESCO, have been completed worldwide since 2007
- A global community of tsunami modelers



# ComMIT: an easy-to-use tsunami inundation model

Set up source scenarios using NOAA's tsunami propagation database



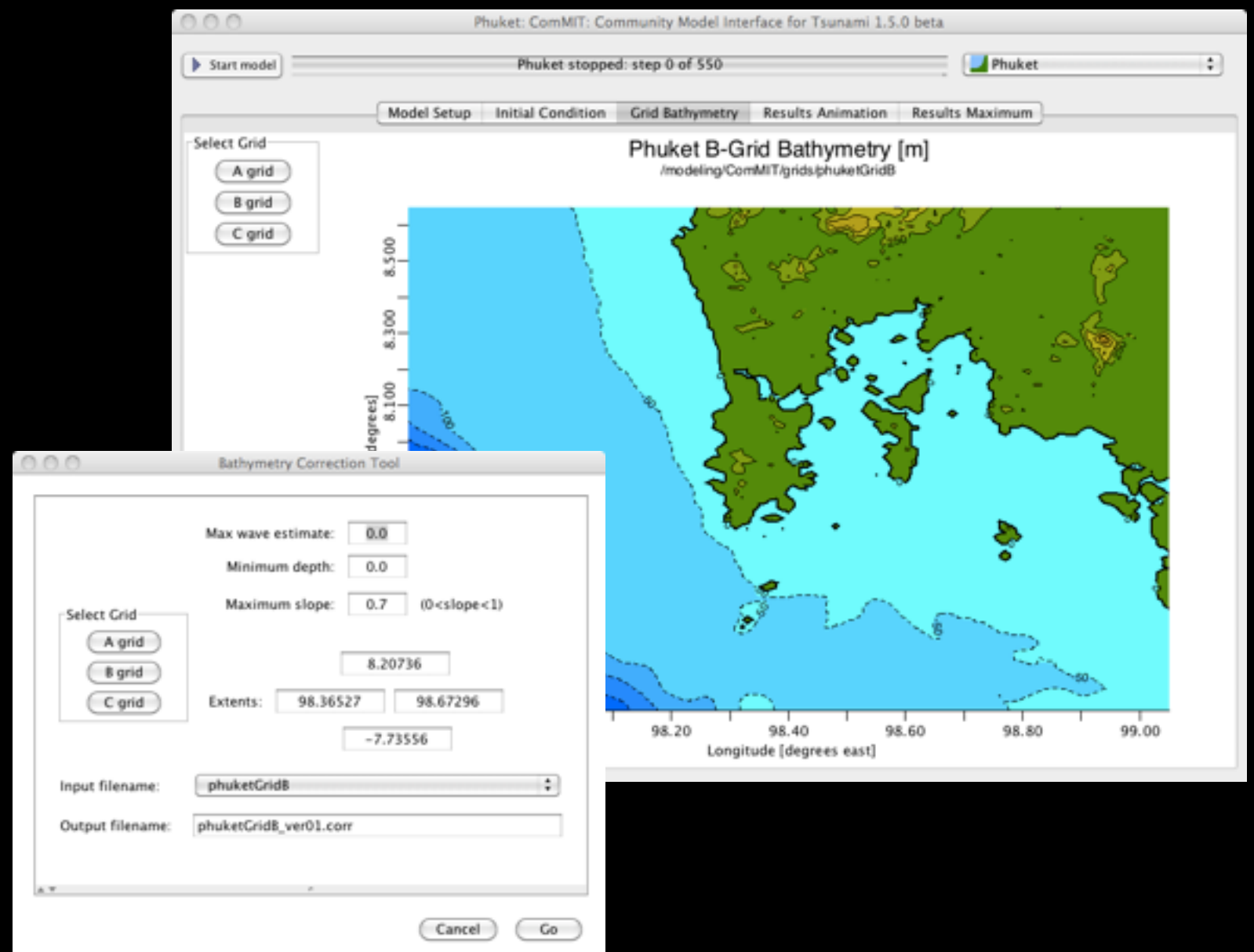
# ComMIT: an easy-to-use tsunami inundation model

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



# ComMIT: an easy-to-use tsunami inundation model

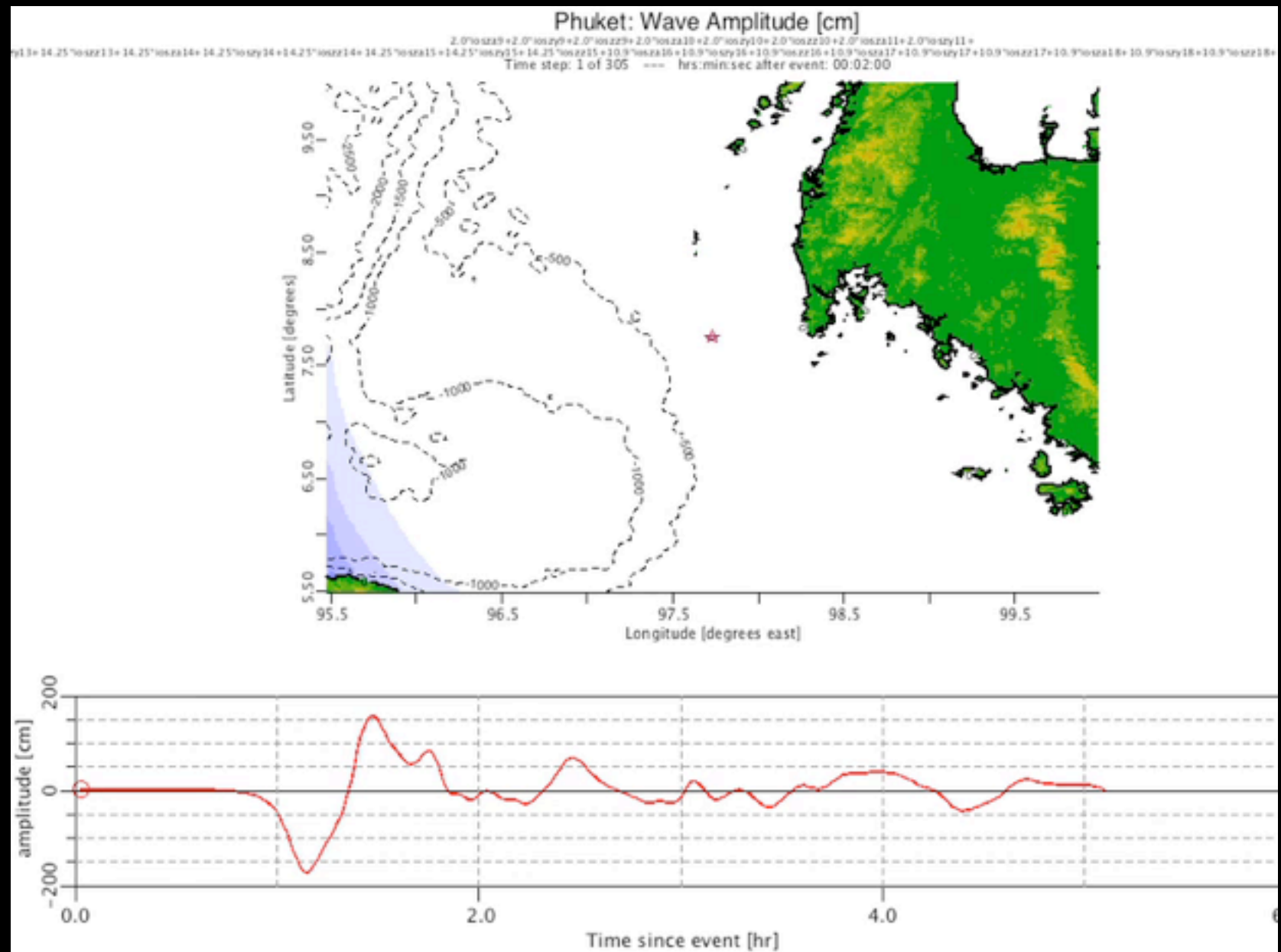
Generate, view and modify bathymetric model grids



# ComMIT: an easy-to-use tsunami inundation model

Run the MOST  
tsunami inundation  
model

Display model results  
timeseries and  
animations





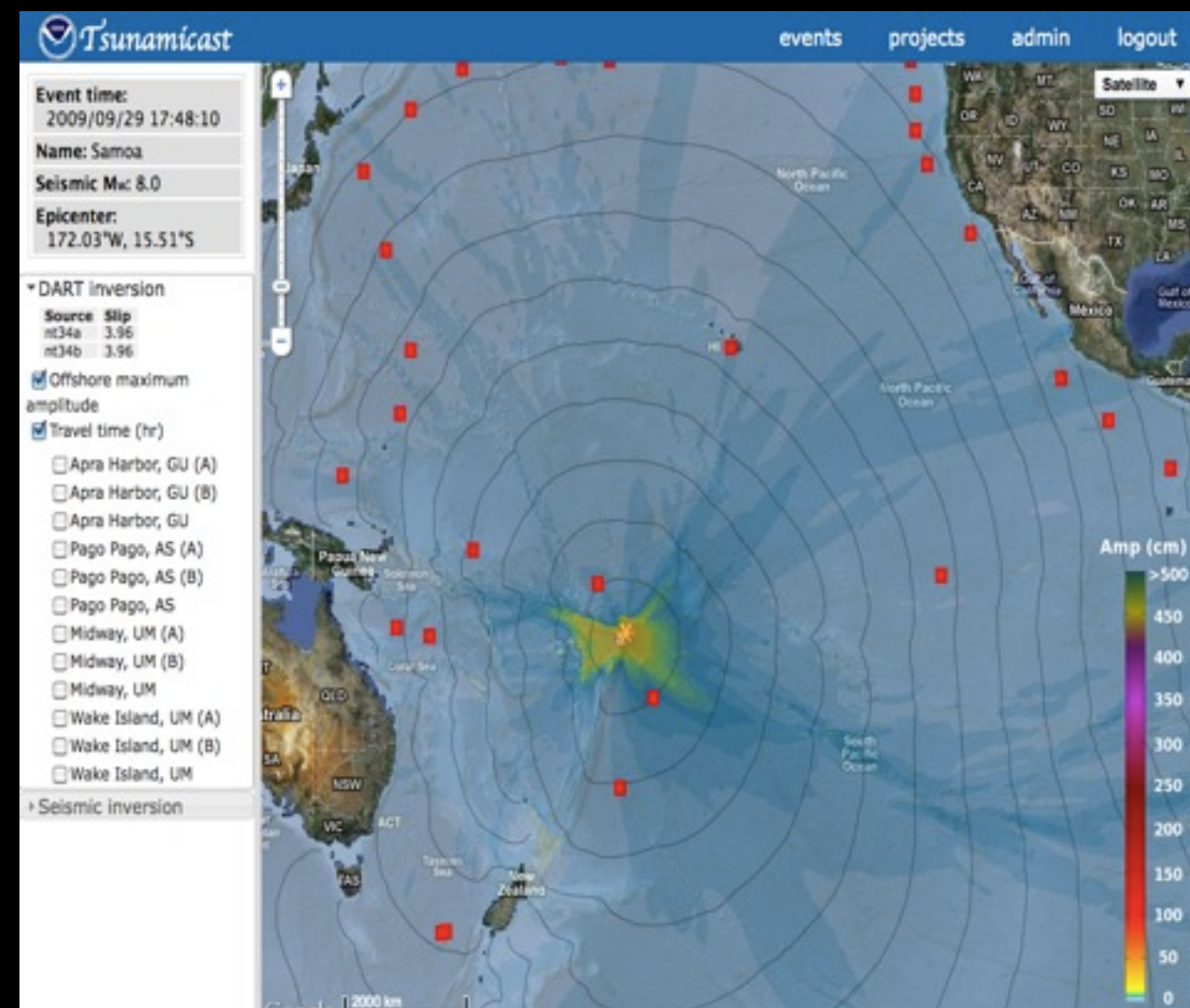
# Tsunamicast

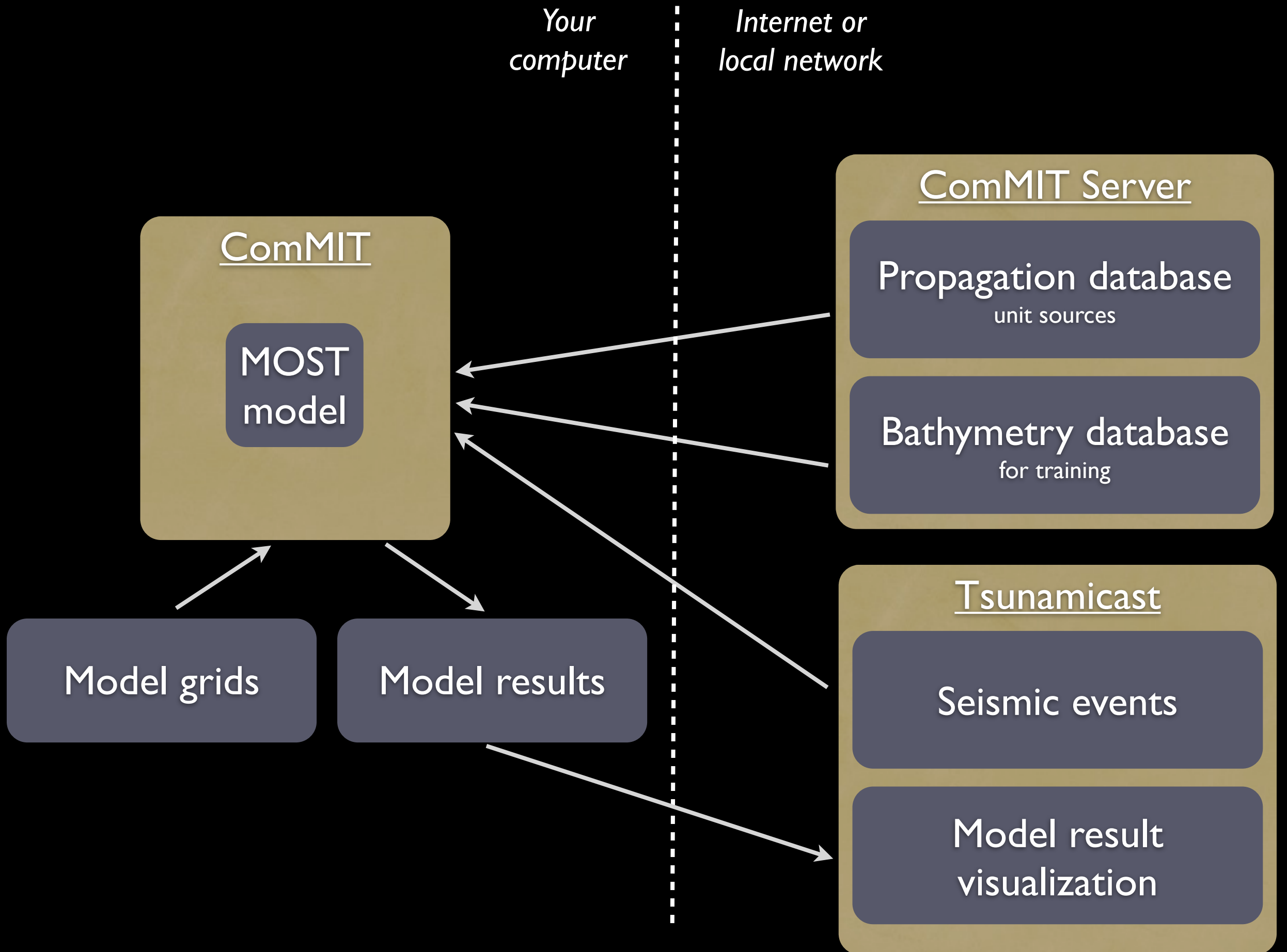
**BETA**

A web tool for browsing and sharing tsunami model results

Create hazard assessment projects, define source scenarios

Upload model results from ComMIT





# Let's Try ComMIT!

- Use a Web browser to visit this address:  
`http://10.20.23.20:8080/ComMIT/`
  - This is a local server to give us fast access to the propagation database. A server located at NOAA is also available over the Internet.
- Download ComMIT for your operating system. If Java is not installed on your computer, download and install it first.
- Launch ComMIT.
- Follow the Getting Started instructions on the web page to run your first model.

# Hazard Assessment

- What credible scenarios pose the largest hazard to our study site?
- What is the largest inundation extent expected from all scenarios
  - The “maximum of the maximums”





# Hazard Assessment Exercise

- The class should divide into five groups
- Each group is assigned a model location:  
Banda Aceh, Maldives, Padang, Colombo,  
Vishakhapatnam
- See the handout for more instructions

# Using ComMIT After This Course

Download ComMIT from

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

username: iotws

password: wave

# Using ComMIT After This Course

