

Funding Models:

The major recommendations adopted at the Lake Tahoe workshop

Open-access, community programs. Establish a hybrid model that maintains standard, PI-driven cruises for smaller projects, but that incorporates and encourages new modes of cooperative projects that create open-access, rapidly released data sets available to the entire community.

NSF considers all of these types of requests

- Individual PI or Collaborative Research with a couple PIs
- Open Access data
 - Cascadia 2-D COAST (Steve Holbrook, 2012)
 - New Jersey Shelf 3-D (Greg Mountain, 2014)
- Community Experiment ('buy-in' must be strong & process must be open)
 - Eastern North America Margin (Harm van Avendonk, 2014)

actual community use & outcomes yet to be seen

The screenshot shows the website for the EarthScope-GeoPRISMS Science Workshop for Eastern North America Margin. The page features a navigation menu with links for Home, Initiatives & Sites, Research, Data Portal, Education, Meetings, About Us, and Calendars. Below the navigation, there are social media links for Facebook and Twitter. The main content area is titled "New in ENAM: EarthScope-GeoPRISMS Science Workshop for Eastern North America Margin" and includes a circular logo with the acronym "RIE". The text describes the Eastern North America Margin (ENAM) as the final product of continental rifting, recording the full history of rift evolution and post-rift processes. It highlights large variations in fundamental rift parameters, including magmatism, lithospheric template, and rifting duration. The text also mentions the extensive post-rift evolution of the passive margin sedimentary prism and the cooling and further evolution of the mantle lithosphere below. Finally, it notes the logistical benefits of studying ENAM, including the US infrastructure and the upcoming USArray deployment of the Sea survey activities.

Geodynamic Processes at Rifting and Subducting Margins
GeoPRISMS

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Initiatives

- Science Overview
- Subduction Cycles and Deformation
 - ExTerra
- Rift Initiation and Evolution

Sites

- Alaska
- Cascadia
 - Cascadia DCL
 - CIET Cruises 2013
- East Africa Rift
- Eastern North America
 - Community Seismic Experiment

Eastern North American Margin

The Eastern North American Margin (ENAM) represents the final product of continental rifting to form a passive margin, and records the full history of rift evolution and post-rift processes. The ENAM encompasses large variations in fundamental rift parameters, including the volume of magmatism, the pre-existing lithospheric template, and the duration of rifting. In particular, rifting along the southeastern United States was associated with voluminous magmatism, whereas the northernmost portion of this margin offshore of Nova Scotia and Newfoundland is distinctly magma-poor. ENAM also captures an extensive post-rift evolution of the passive margin sedimentary prism as well as the cooling and further evolution of the mantle lithosphere below. Finally, there are further compelling logistical benefits to studying ENAM, including the US infrastructure, including Earthscope (in particular, upcoming USArray deployment of the Sea survey activities).

Magnetic anomalies
Rift basins
select Paleozoic sutures
East Coast Magnetic Anomaly

There are many exciting scientific opportunities

OCE and MGS continue to recognize that marine seismic studies contribute in unique ways to new understanding of Earth Systems

Yes, there are notable challenges to managing these facilities, directly and within science programs that use them

- maintaining sufficient funds availability each field proposal cycle

 - minimize out-yr mortgaging

 - trim costs/improve efficiency of MGG-supported infrastructure

 - (IEDA, core repositories, OBSIP)

- environmental compliance

- scheduling in support-limited context

We are working to improve our process:

 - once a yr field request guidance, OBSIP Management Office, coordinated decisions (Program, scheduling, environmental; potential projects outlook)