Access code: conf Portofino Conference



Theoretical and Experimental Institute Student Symposium

Portofino Hotel & Marina, Redondo Beach, CA Oct 11-14, 2015



What is GeoPRISMS?

Studies of origin & evolution of continental margins

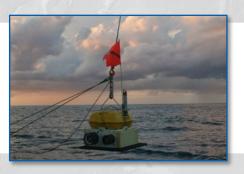
Community-driven, interdisciplinary, cross-divisional NSF-funded Integrating field, theory, experiment, and modeling

Focus on rifts and subduction zones

With active geodynamics and where geology and society intersect

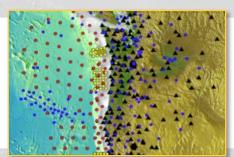
Shoreline-crossing, i.e., "amphibious"

Where most rifts and subduction zones occur









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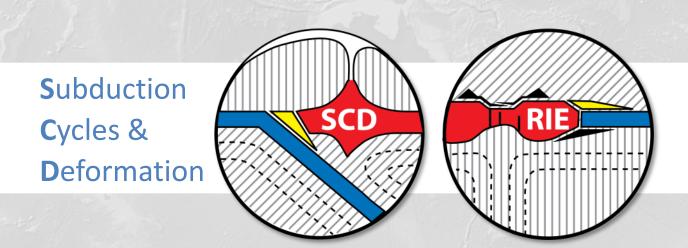
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Two broadly integrated initiatives



Rift
Initiation &
Evolution

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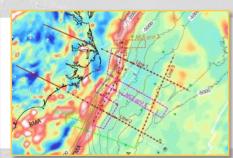
Research at primary sites & through thematic studies NSF Funding opportunity with GEO bridging EAR & OCE Community effort

GeoPRISMS Office and Steering Committee
Organization of meetings & activities at AGU
Coordination and collaboration with domestic & international partners









GeoPRISMS Science is planned by the Community

Community planning at workshops

Science Plans with research objectives

Proposals guided by Science Plan

PI-driven proposals

Community-driven proposals

Workshop proposals

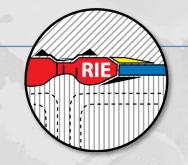
Deadline early July

GeoPRISMS is open, all can participate!!





GeoPRISMS Structure & Topics





Rift Initiation and Evolution

Where and why do continental rifts initiate

Fundamental rifting processes and their feedbacks

Controls on the architecture of rifted continental margins

Mechanisms & consequences of fluid & volatile exchange

Subduction Cycles and Deformation

Controls on size, frequency & slip behavior of subduction plate boundaries

Spatial-temporal deformation patterns during seismic cycle

Linkages between volatiles & plate boundary rheology

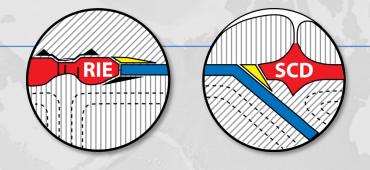
Volatile storage, transfer, & release in subduction systems

Geochemical products of subduction; continent creation

Subduction zone initiation and arc system formation

Feedbacks between surface processes & subduction dynamics

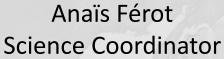
Where GeoPRISMS works





GeoPRISMS Office

Peter van Keken GeoPRISMS Chair



Jeanne Bisanz Project coordinator









GeoPRISMS Governance

Steering Committee (GSOC)

Peter van Keken, Estella Atekwana, Brandon Dugan, Jeff Freymueller, Liz Hajek, Kerry Key, Maureen Long, Sarah Penniston-Dorland, Tyrone Rooney, Harold Tobin, Harm van Avendonk, Paul Wallace, Tony Watts, Gene Yogodzinski

Education advisory committee (GEAC)

Cathy Manduca, Jeff Marshall, Rosemary Hickey-Vargas, Sarah Penniston-Dorland, Peter van Keken, Andrew Goodwillie

With Participation in Amphibious Array Steering Committee





























Opportunities for Students & Postdocs



AGU Best Student Presentation prizes

Postdoctoral fellowships

Symposia & field trips at workshops

