

Country	Dates	PI	Ship	Cruise ID/Location	Research objectives
Australia	Nov-Dec 2012	B. Cohen	Southern Surveyor	Tasmantid Seamounts	Volcanic, tectonic and carbonate record
Canada	Apr-May 2013			Endeavour	Wiring the Abyss maintenance cruise
France	Jan-13	M. Maia	L'Atalante	COLMEIA	
France	2013			BIOBAZ CENTRALE	
France	2013			OCEANOGRFLUX	
France	2013			ODEMAR	
France	2013			MOMAR 2013	
France	2013			HYDROBSMOMAR	
France	2013			SISMOSMOOTH	
Germany	Nov-12		Poseidon	Red Sea 442	
Germany	Jan-Mar 2013	C. Devey	Merian	S. Atlantic MAR	Bathymetry, physical oceanography and hydrothermalism at 13-33S
Germany	Mar 2013	G. Bohrmann		Scotia Sea	Geophysics
Germany	Nov-13	V. Schlindwein		Indian sector, Southern Ocean	Geophysics, physical oceanography, HAFOS, SWEAP
Germany	Early 2014		Merian	MAR North Pond	Hydrological, microbiological and geochemical observatory studies of a young ridge flank.
Germany	June 2014	A. Boetius	Polarstern	AURORA, 70-80N Gakkel Ridge	Will use a new hybrid ROV/AUV system developed by WHOI for under-ice diving in collaboration with C. German (WHOI). Microbiology, geosciences.
Japan	Jan-Mar 2013		Yokosuka	Indian Triple Junction	Twenty dives of Shinkai 6500 are planned to clarify the characteristics of geology, geochemistry and ecosystem around the hydrogen-rich Kairei hydrothermal site and two newly discovered hydrothermal sites in the Central Indian Ridge Segment 15/16 (Nakamura et al., 2012, PLoS ONE). We also plan to conduct crust and upper mantle imaging around the triple junction by OBSs and OBEMs.
UK	Dec 2012-Jan 2013	P. Tyler	JC080	Southern Ocean	
UK	Feb-13	J. Copley	JC082	Cayman Rise	To test hypotheses relating to hydrothermal emissions and associated chemosynthetic faunas on the Mid-Cayman Rise. This is the deepest known seafloor seafloor spreading centre and is located in a poorly ventilated and geographically isolated deep ocean basin. It specifically targets a region identified as a priority for investigation by the International Census of Marine Life to advance the understanding of global vent biogeography. In addition, its unique samples will provide resources for the wider marine biotechnology and microbial metagenomics research communities.
UK	Early 2014	R. Hobbs		Costa Rica Ridge	To investigate the effects of hydrothermal circulation on both the geophysics and oceanography in the Panama Basin.
USA	May-13	C. German	Atlantis	Bermuda to St Petersburg FL	
USA	2013	C. German; J. Moffett		South EPR	Investigating biogeochemical cycling in the South EPR hydrothermal plume (as well as Peru upwelling).
USA	2013	C. German	Falkor	Mid Cayman Rise	
USA	Jan-13	D. Wiens	Oceanus	Mariana Trough	Mantle serpentinisation and water cycling through the Mariana Trench and forearc
USA	Jun-Sep 2013	D. Toomey	Oceanus	Cascadia Initiative	Support for the Cascadia Initiative Expedition Team
USA	Aug-13	G.W. Luther	Hugh R. Sharp	MAR	Pyrite nanoparticles are a kinetically stable iron source to the ocean.
USA	Jul-13	A. Fisher		Juan de Fuca	Eastern flank of the Juan de Fuca Ridge CORK dive program