

California needs a dedicated research vessel

CALIFORNIA REPUBLIC

 California society and economy depend on the ocean for resources, commerce, defense, infrastructure, and quality of life.

• Growing need for undergraduate and graduate education involving instruction, research and practical training at sea.

 California economy, 6th largest in world, is strongly tied to the ocean and drives a growing demand for maritime research & development.

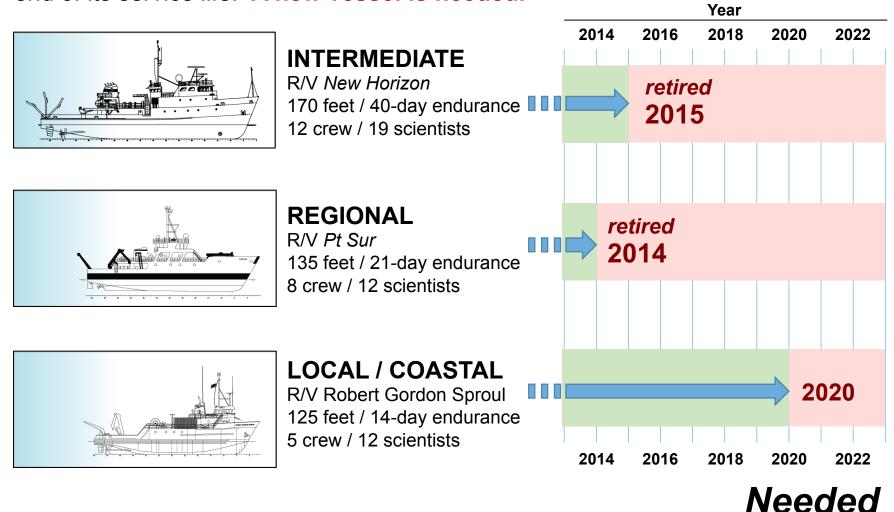
> Roger Revelle and Sally Ride have worldwide research portfolios, and will not predictably be available in California waters

> > Universities throughout California require an accessible, affordable, capable research vessel for classes and student research projects, operating on time frames tailored to academic calendars.

California needs the ability to mount rapid response missions to ephemeral events, with quick access to a capable, well-outfitted, professionally-staffed vessel

California-based Intermediate Class & smaller ships

Research vessels able to carry out California's local research and education needs have decreased from 3 to 1, with the last remaining ship approaching the end of its service life. A new vessel is needed.



2020 onward

Collaborating on a shared research vessel



Vision: establish a new kind of partnership within California, involving public and private universities, research institutions, state agencies and nongovernmental organizations to support a new **California Coastal Research Vessel (CCRV)** for seagoing education and research.

Efforts to date:

- Moss Landing Marine Laboratories (California State University) and the Scripps Institution of Oceanography (University of California) have agreed to collaborate jointly on this effort.
- Committed significant seed funding from each institution
- Assembled Scripps Small Ship Task Force to define institutional needs
- Sent Dear Colleague letter to 100+ ship users statewide to solicit input
- Scripps began a DOT-sponsored feasibility study (with Sandia National Labs) of a zero-emission research vessel (ZERo/V), including conceptual design

CCRV: Goals for 2017

Science mission requirements: Consult with likely ship users and sponsors to develop SMRs, building on existing UNOLS products

Develop management plan: How will a single vessel be managed and operated such that it is able to support multiple institutions? This should be resolved in 2017.

State and local government: Engage, educate, and build support.

Conceptual vessel design: Based on the foregoing, develop CCRV concept.

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