

UNOLS Fleet Improvement Plan

March 2013 Draft Outline

Anticipated Publication Date: 2014

Web-based

CONTENTS

- I. U.S. Science at Sea
 - a. The Societal Benefits of Modern Ocean Science
 - i. Provide illustrative examples of cutting edge research, education and discovery
 - ii. Incorporate high quality imagery, graphics and video
 - b. Scientists at Sea: The Importance of Being There
 - c. Broader impacts through Tele-presence
 - d. The Federal Agencies Supporting Science at Sea
 - e. Private Entities Supporting Science at Sea (e.g., Packard Foundation, Schmidt)
 - f. The UNOLS Mission: Inclusive Fleet Access, Scheduling and Facility Management
 - i. Consider strategic links to other web descriptions of UNOLS
 - g. The Process of Improvement and Renewal of a Fleet designed for Academic Research
 - i. Historical perspective
 - ii. Current Renewal Activities
- II. The UNOLS Fleet of 2014-2024
 - a. Decadal Core Research and Major Science Programs
 - i. Link to other decadal planning documents
 - b. Fleet-wide Science Mission Requirements
 - i. Fleet-wide SMR Matrix
 - c. Status of Capabilities
 - d. Fleet Support, Utilization and Operational Costs
 - e. An Analysis of Where Requirements, Facilities, Capabilities and Budget May Not Align
- III. Fleet Renewal Considerations for 2025-2035
 - a. Facilities Projected to Retire 2025-2035
 - b. Projections of New Fleet Requirements and Utilization
 - c. Projections for Polar Programs
 - d. A Decade for Green Technologies
 - e. Options for Meeting Ship Time Requirements

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IV. Recommendations for Fleet Renewal Activities

- a. Priorities
- b. Timeline
- c. Engagement

Appendices