

# University-National Oceanographic Laboratory System ~UNOLS~



DEep Submergence Science Committee  
Student/Early Career Scientist Workshop  
December 4, 2011





# UNOLS and the Academic Research Fleet

## Part I - Everything UNOLS

- History - the Early Days
- UNOLS in a Nutshell
- The Academic Research Fleet
- National Oceanographic Facilities
- Fleet Operations
- The Future Fleet

## Part II - From an idea to a cruise,

-> The Ship Time Request System



# The Early Days

UNOLS is formed

## Pre-UNOLS



*HMS Challenger, 1870s*



*Atlantis, 1931-1964*



*R/V Teritu*



*R/V Trident*




# UNOLS in a Nutshell

UNOLS: Founded in 1971 with 33 ships operated by 17 laboratories


UNOLS today is an organization of 61 U.S. institutions with ocean science programs

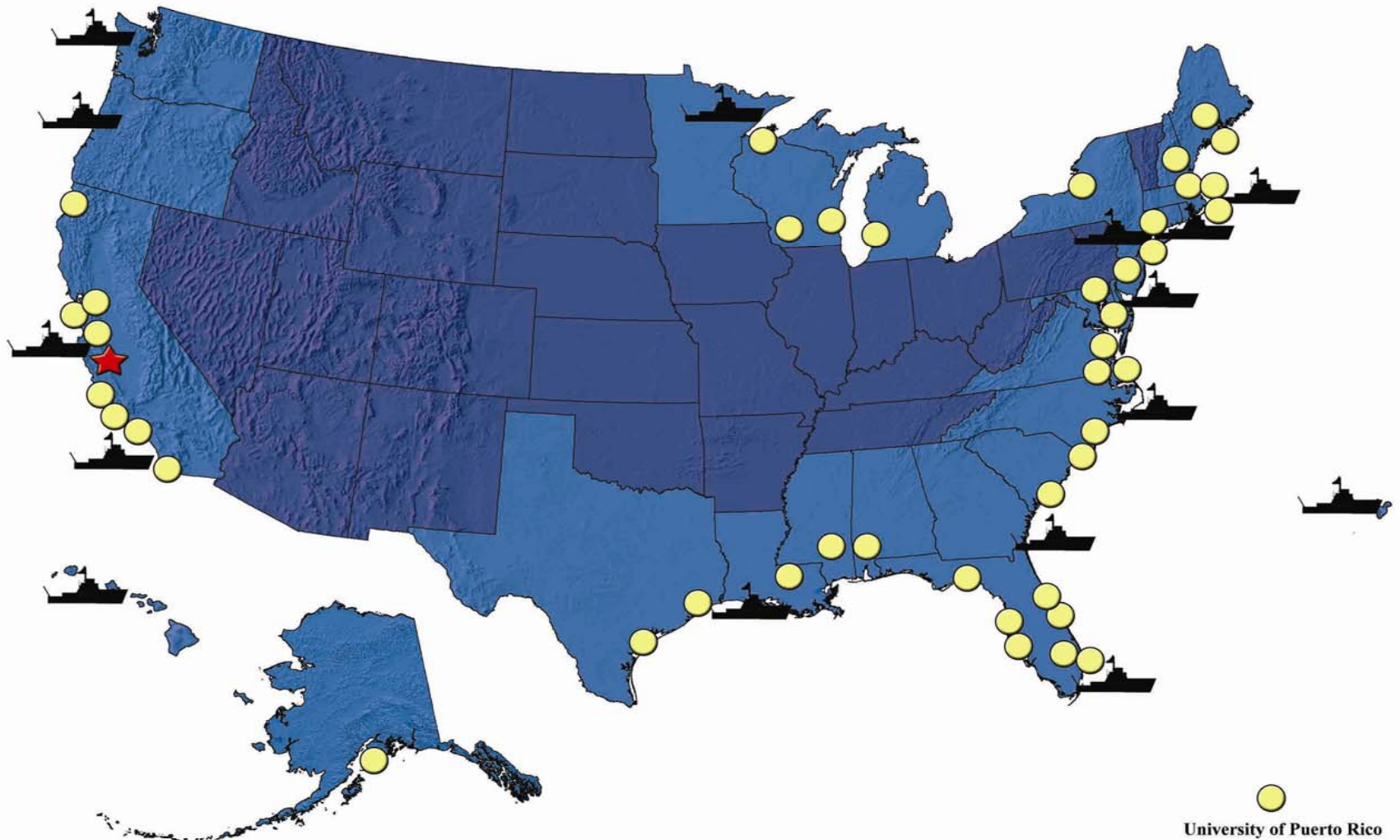
- 16 of the UNOLS institutions are facility operators that include:
  - 20 Research vessels,
  - a National Deep Submergence Facility,
  - a National Oceanographic Aircraft Facility, and
  - a National Oceanographic Seismic Facility.
- Facilities are either owned by one of the Federal agencies or by individual institutions.
- Elected Council & 9 major committees (volunteers)
- UNOLS Office

# UNOLS MEMBERSHIP


 **Operator Institution**  
Note: Symbol indicates home port location. Multiple ships may operate from a single location.

 **Non-Operator Institution**

 **National Oceanographic Aircraft Facility Operator**



 Smithsonian Tropical Research Institute - Panama

 University of Puerto Rico

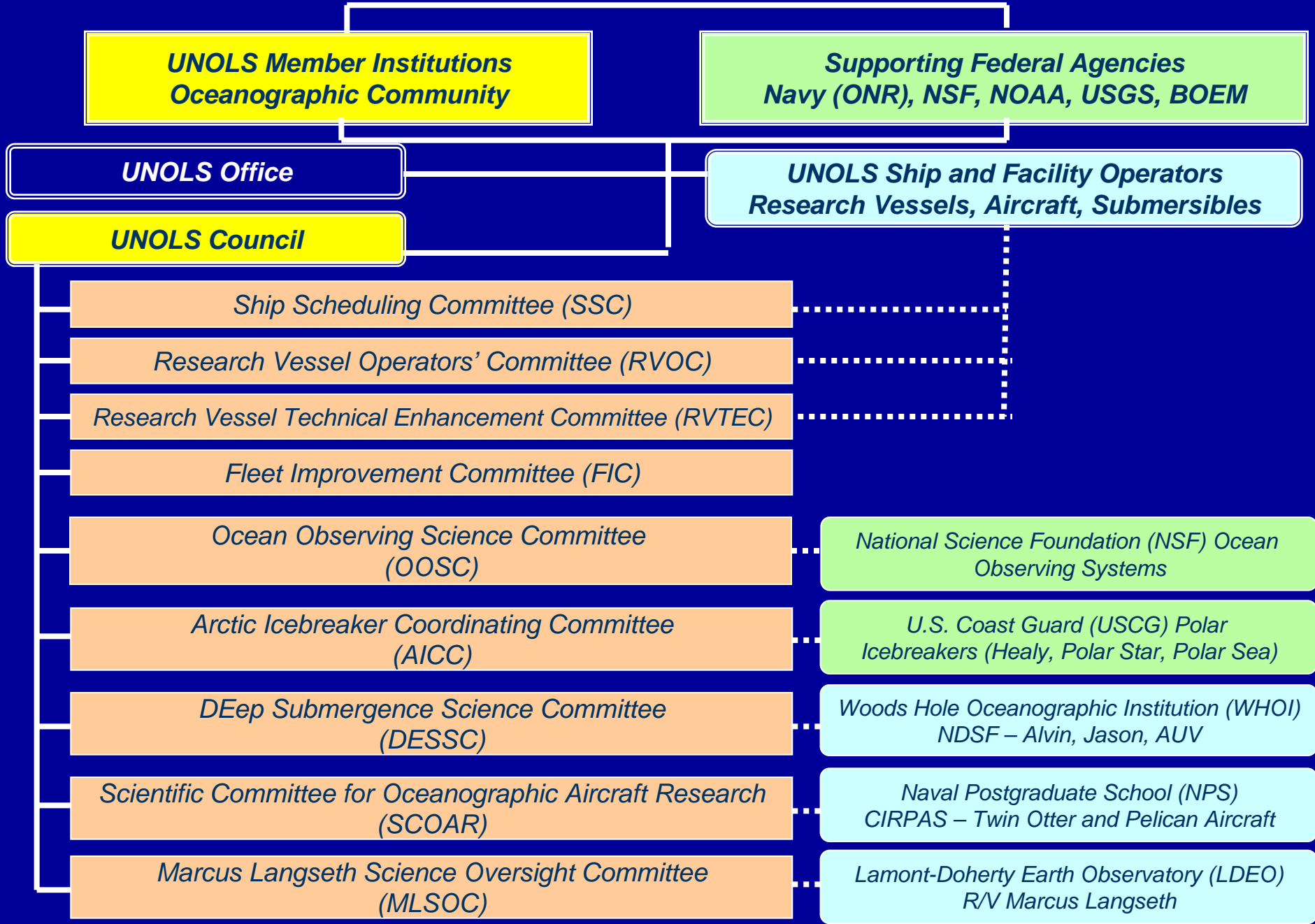
# ***UNOLS Goals***

**UNOLS is a coordinator or facilitator of community-wide efforts with these goals:**

- ***Promote broad, coordinated access to oceanographic research facilities***
- ***Support continuous improvement of existing facilities***
- ***Plan for and foster support for the oceanographic facilities of the future***

***UNOLS IS NOT A FUNDING AGENCY***

# UNOLS: Council, Committees, and Federal Sponsors



# The UNOLS Fleet - 2011

SHIP/CLASS	BUILT	Conv/ Mid Life	Owner	LOA m (ft)	Science Berths
<b>Global Class</b>					
<i>Melville</i>	1969	1991	NAVY	85 (279)	38
<i>Knorr</i>	1970	1989	NAVY	85 (279)	34
<i>Thomas G. Thompson</i>	1991		NAVY	84 (274)	36
<i>Roger Revelle</i>	1996		NAVY	84 (274)	37
<i>Atlantis</i>	1997		NAVY	84 (274)	37
<i>Marcus G. Langseth</i>	1991	2007-2011	NSF	71 (235)	35
<b>Ocean/Intermediate Class</b>					
<i>Kilo Moana</i>	2002		NAVY	57 (186)	29
<i>Wecoma</i>	1976	1994	NSF	56 (185)	18
<i>Endeavor</i>	1976	1993	NSF	56 (184)	18
<i>Atlantic Explorer</i>	1982	2006	BIOS	51 (168)	20
<i>New Horizon</i>	1978	1996	SIO	52 (170)	19
<b>Regional Class</b>					
<i>Point Sur</i>	1981		NSF	41 (135)	12
<i>Cape Hatteras</i>	1981	2004	NSF	41 (135)	14
<i>Hugh R. Sharp</i>	2005		UD	44 (146)	14
<b>Coastal Class</b>					
<i>Robert Gordon Sproul</i>	1981	1985	SIO	38 (125)	12
<i>Pelican</i>	1985	2003	LUMCON	32 (105)	14
<i>Walton Smith</i>	2000		Miami	30 (96)	16
<i>Savannah</i>	2001		SKID/UG	28 (92)	19
<i>Blue Heron</i>	1985	1999	UMINN	26 (86)	6
<i>Clifford Barnes</i>	1966	1984	NSF	20 (66)	6



# Global Class



Marcus G. Langseth



Atlantis



Knorr



Roger Revelle



Melville



Thomas G. Thompson

# Ocean/Intermediate Class



Wecoma



Atlantic Explorer



Kilo Moana



Endeavor



New Horizon

# Regional Class



Hugh R. Sharp



Point Sur



Cape Hatteras

# Coastal/Local Class



Pelican



Robert Gordon Sproul



F.G. Walton Smith



Clifford A. Barnes



Blue Heron



Savannah

# National Deep Submergence Facility



AUV Sentry



DSRV Alvin (Photo credit: WHOI)



ROV Jason II (Photo credit: WHOI - <http://www.divediscover.who.edu/tools/jason.html>)

# Center for Interdisciplinary Remotely-Piloted Aircraft Studies



Pelican OPV ( Photo credit:  
<http://cirpas.org/index.html>)



UV-18a Twin Otter

# Seismic Vessel: *R/V Marcus G. Langseth*



Photo credit: Mutter, J. C., S. Carbotte, M. Nedimovic, J. P. Canales, and H. Carton (2009), Seismic imaging in three dimensions on the East Pacific Rise, *Eos Trans. AGU*, 90(42), 374–375. [http://www.agu.org/pubs/eos-news/supplements/2009/mutter\\_90\\_42.shtml](http://www.agu.org/pubs/eos-news/supplements/2009/mutter_90_42.shtml)

The starboard paravane about to enter the water. The paravanes permit the streamers and other towed equipment to be widely separated.



← USCGC *Healy*

# USCG Icebreakers





# UNOLS Ship Requests

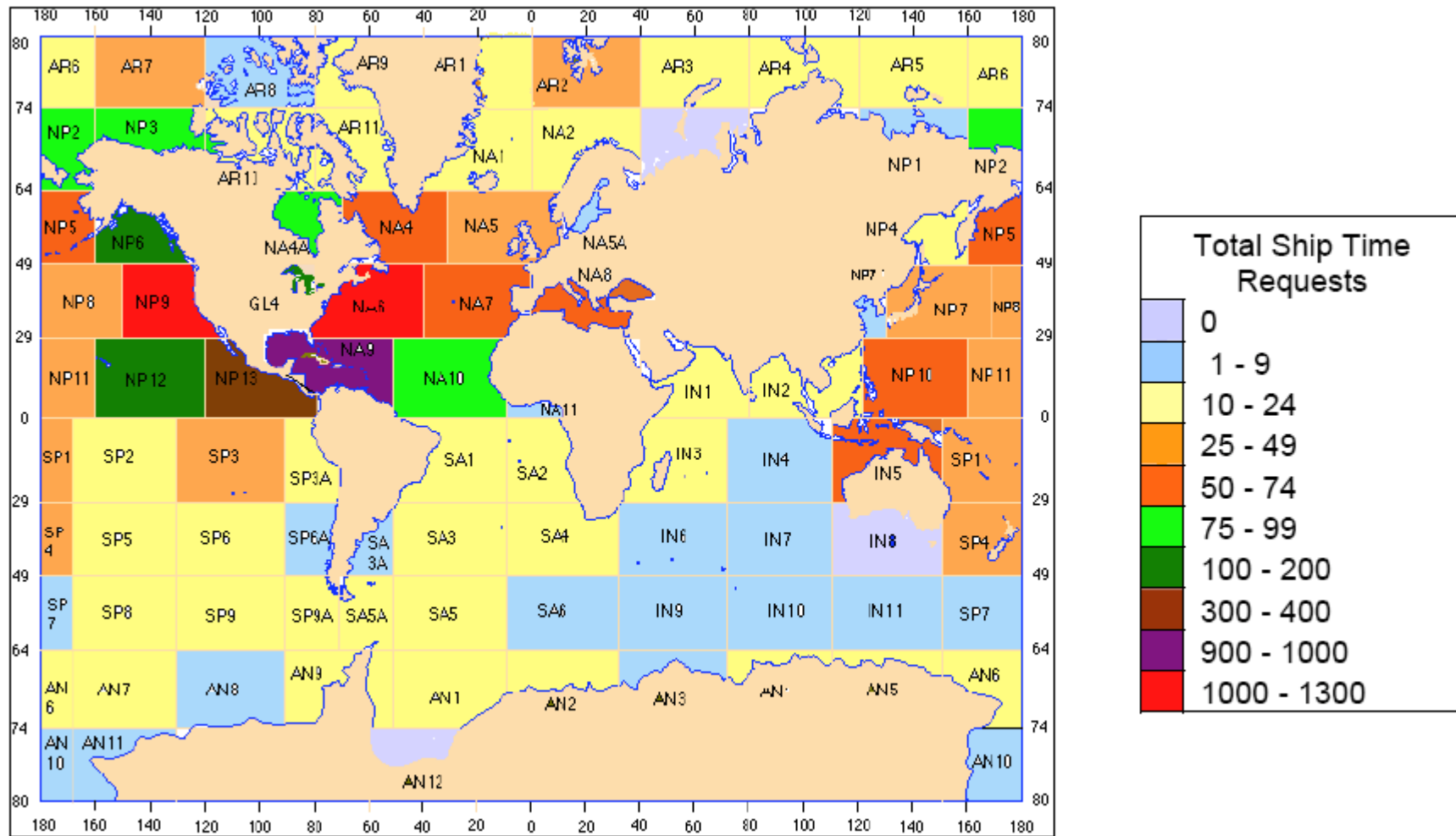
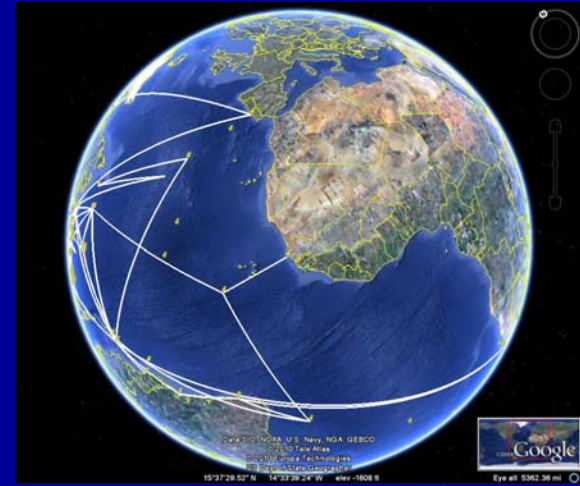


Figure 34. Geographic Distribution of Ship Time Requests (2000 to 2006)

From: UNOLS Fleet Improvement Plan, 2009 ([www.unols.org](http://www.unols.org))

# 2010 Cruise Tracks



*The Future  
Fleet*

# New Research Vessels



***R/V Sikuliaq: Sikuliaq is an Inupiaq name meaning "young sea ice" or "young sea ice that is safe to walk on."***

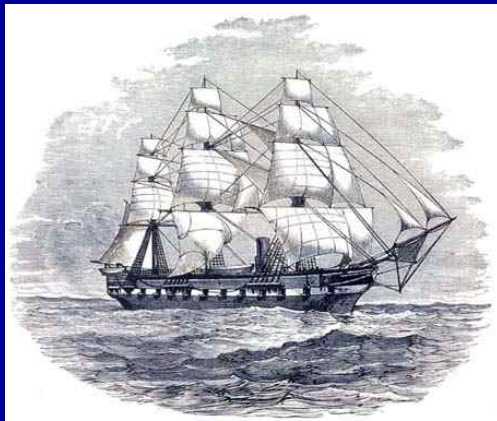
<http://www.sfos.uaf.edu/arrv/about/>

- 
- The Navy has awarded contracts for the construction of two new Ocean Class ships.
  - NSF continues plans for up to 3 new Regional Class ships



# UNOLS 2010 Goal - GREEN SHIPS AND BLUE WATERS

## GREENING THE UNOLS FLEET



**Solar Sailor:**  
<http://www.solarsailor.com/>

<http://www.geology.19thcenturyscience.org/books/hmsc.jpg>



## Part II

You have a science idea..

- Preparing a proposal
- Submitting a Ship Time Request
- Cruise Science and Logistics Planning

# The proposal



“Now THAT is a good idea.....”

“But how do I get it funded???”

Is your proposed cruise component  
essential to science objectives?  
novel?  
feasible?  
cost-effective?

Does it provide any value-added  
benefits in addition to your science?



Does the seagoing work proposed require essential equipment or other resources provided by others?

## If the answer is YES

- carefully plan for this with colleagues  
DURING the proposal stage
- include support letters in the proposal
- carefully budget for these resources  
(including any technical assistance)

## Shiptime requests for Global ships

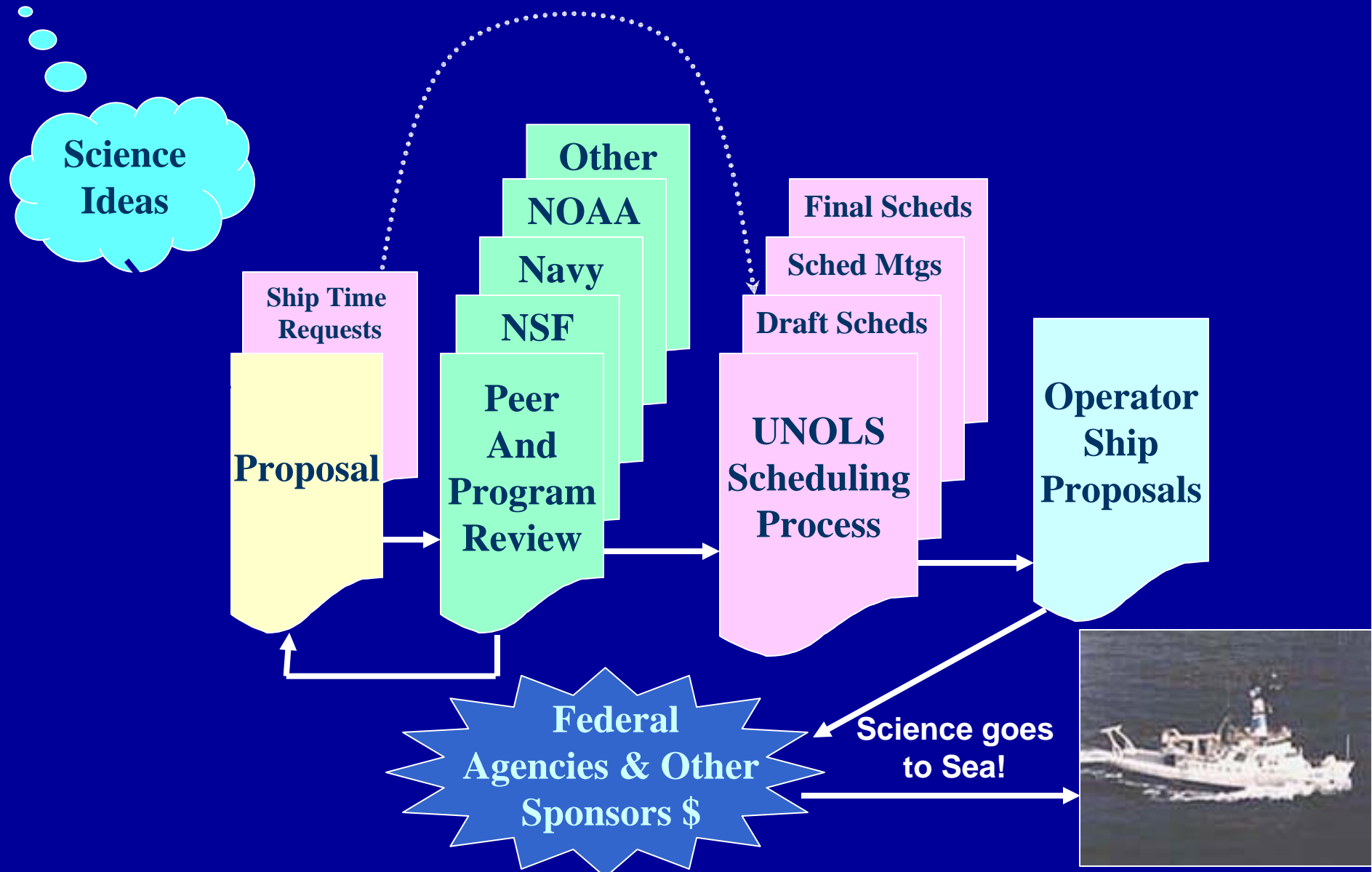
- Timing of proposals is important
- Communicate with UNOLS and ship schedulers as needed during planning
- Consider combining your cruise with other work proposed/funded in the same area
- Stay flexible- scheduling may not coincide with your optimal time frame
- Reviewers appreciate indications that you have researched the value added components

**DON'T NEGLECT** additional  
planning considerations for polar,  
foreign cruises, marine mammals,  
protected areas considerations,  
etc.

## The shiptime request form

- What ship(s) can accomplish your mission?
- Make sure you list all equipment essentials and seasonal restrictions on the shiptime request form

# Science Investigators and the Fleet



# Step 1: [www.unols.org](http://www.unols.org)



Research Vessel & Facility Information



UNOLS Office  
Graduate School of Oceanography/URI - Box 32  
Ocean Science and Exploration Center  
215 South Ferry Road  
Narragansett, RI 02882  
Phone: (401) 874-6825  
Fax: (401) 874-6167

About UNOLS

Committees

Meeting Calendar & Information

Publications & Reports

--- UNOLS quick navigator ---

[Register for the Appendix B Workshop - Feb 7-8, 2012, San Diego, CA](#)

[Register now for the Greening the Research Fleet Workshop on Jan 10-11, 2011](#)

## Upcoming UNOLS Meetings

[DEep Submergence Science Committee Meeting - San Francisco, CA, Dec 4, 2011](#)

[Marcus Langseth Science Oversight Committee Meeting - San Francisco, CA, Dec 4, 2011](#)

[Greening the Research Fleet - A UNOLS Sponsored Workshop - Durham, NC, Jan 10-11, 2012](#)



UNOLS Public Outreach Resources

Jobs/Personnel

UNOLS Office

## Announcements and Important Information

[Revised Ship Classes - August 2011](#)

[Follow the activities of the Chief Scientist Training Cruise Participants](#)

[Upgraded DSV Alvin slated for operations in 2013; proposals encouraged](#)

[Letter from UNOLS Chair on Gulf of Mexico BP RFP](#)

[Appendix B Workshop - Feb 7-8th, 2012](#)

[UNOLS Newsletter - Vol 27, No 1 \(April 2011\)](#)

# Step 2: click on Ship time Request System from pull-down



**UNOLS Office**  
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**Research Vessel & Facility Information**    **About UNOLS**    **Committees**    **Meeting Calendar & Information**    **Publications & Reports**

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**Register now**  
**DEep Submergence**  
**Marcus Langsbach**  
**Greening the Research**

**Announcements**  
Follow

**UNOLS quick navigator**  
Search the UNOLS Website  
2012 Calendar of Meetings  
2011 Calendar of Meetings  
2010 Calendar of Meetings  
2012 Ship Schedules  
**2011 Ship Schedules**  
2010 Ship Schedules  
-----  
**Ship Time Request System**  
Mission Clearance Information  
Post Cruise Assessment Reports  
Research Vessel Safety Standards  
RVTEC Technical Exchanges  
Science Mission Requirements  
Travel Claim Information  
UNOLS Vessels  
Deep-Diving HOV Project

**Go**

**San Diego, CA**  
**Workshop on Jan 10-11, 2011**  
**San Francisco, CA, Dec 4, 2011**  
**San Francisco, CA, Dec 4, 2011**  
**Durham, NC, Jan 10-11, 2012**

**Important Information**  
Workshop Participants  
**Upgraded DSV Alvin slated for operations in 2013; proposals encouraged**  
**Letter from UNOLS Chair on Gulf of Mexico BP RFP**  
**Appendix B Workshop - Feb 7-8th, 2012**  
**UNOLS Newsletter - Vol 27, No 1 (April 2011)**



# STRS – Public information and Step 3: Become and member/Log in



## University-National Oceanographic Laboratory System

SEARCH PUBLIC RECORDS

LOG IN

[Suggestions/Request Help](#)

[Frequently Asked Questions](#)

### Welcome to the UNOLS Ship Time Request & Scheduling System

<i>Log In for Member Activities</i>	<i>Public Information</i>
<p><b>User Name:</b> <input type="text"/></p> <p><b>Password:</b> <input type="password"/></p> <p><input type="checkbox"/> Store my credentials so I don't have to login next time (unless I logout)</p> <p><input type="button" value="Log In"/></p> <p><a href="#">Forgot Your User Name Or Password?</a></p>	<p><i>Login not required for these activities</i></p> <ul style="list-style-type: none"><li>• <a href="#">Research Vessel &amp; Facility Schedules</a></li><li>• <a href="#">Research Vessel &amp; Facility Specifications</a></li><li>• <a href="#">Technical Services Information for Research Cruises</a></li><li>• <a href="#">Funded Projects</a></li><li>• <a href="#">Cruise Reports (Ship Utilization)</a></li><li>• <a href="#">Post Cruise Assessment</a></li><li>• <a href="#">UNOLS Web Site Home Page</a></li></ul>
<p><b>New Member?</b></p> <p><input type="button" value="Create New Member Account"/></p>	
<p><i>Login or create account for these activities</i></p> <ul style="list-style-type: none"><li>• <a href="#">Facility Requests (ship time requests)</a></li><li>• <a href="#">Research Vessel &amp; Facility Scheduling</a></li><li>• <a href="#">Technical Service Definitions</a></li><li>• <a href="#">Facility Specifications</a></li><li>• <a href="#">Reports</a></li><li>• <a href="#">System Administration</a></li></ul>	



# University-National Oceanographic Laboratory System

SEARCH PUBLIC RECORDS

LOG IN

[Suggestions/Request Help](#)

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## Ship Schedules

To view UNOLS Ship Schedules that have not yet been imported into the system click [here](#)

Ship:  Year:

Year	Ship	Schedule Status	Last Modified
2011	<a href="#">Atlantic Explorer</a>	Published	Nov 07, 2011
2011	<a href="#">Atlantis</a>	Published	Nov 23, 2011
2011	<a href="#">Blue Heron</a>	Published	Nov 15, 2011
2011	<a href="#">Cape Hatteras</a>	Published	Oct 25, 2011
2011	<a href="#">Clifford A Barnes</a>	Published	Oct 31, 2011
2011	<a href="#">Endeavor</a>	Published	Jul 29, 2011
2011	<a href="#">F. G. Walton Smith</a>	Published	Nov 07, 2011
2011	<a href="#">Hugh R. Sharp</a>	Published	Nov 17, 2011
2011	<a href="#">JASON</a>	Published	Nov 22, 2011
2011	<a href="#">Kilo Moana</a>	Published	Aug 08, 2011
2011	<a href="#">Knorr</a>	Published	Aug 18, 2011
2011	<a href="#">Marcus Langseth</a>	Published	Oct 20, 2011
2011	<a href="#">Melville</a>	Published	Nov 28, 2011
2011	<a href="#">New Horizon</a>	Published	Dec 01, 2011
2011	<a href="#">Oceanus</a>	Published	Nov 21, 2011
2011	<a href="#">Pelican</a>	Published	Nov 30, 2011
2011	<a href="#">Point Sur</a>	Published	Dec 02, 2011
2011	<a href="#">Robert Gordon Sproul</a>	Published	Dec 02, 2011
2011	<a href="#">Roger Revelle</a>	Published	Oct 27, 2011
2011	<a href="#">Savannah</a>	Published	Oct 24, 2011
2011	<a href="#">Seester</a>	Published	Nov 29, 2011
2011	<a href="#">Thomas G. Thompson</a>	Published	Nov 10, 2011
2011	<a href="#">Wecoma</a>	Published	Oct 12, 2011

[Suggestions/Request Help](#)

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# Ship Schedule and Scheduling Contact



## University-National Oceanographic Laboratory System

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[Frequently Asked Questions](#)

### View Schedule

[View](#) or [Email](#) schedule as:  Expanded  Condensed

[Export](#) the schedule as:  Excel XML  CSV  Google Earth Map (KML)  ICal Calendar

#### 2011 - Roger Revelle

Preliminary Schedule

Published - ID #11096 Version #1 - 10/27/2011

Liz Brenner

**Scheduling Contact(s)**

[shipsked@ucsd.edu](mailto:shipsked@ucsd.edu)

(858) 534-2841

**Notes:** 12/3/10 Changed order of DYNAMO cruises  
12/15- Changed DP, Multibeam calibration, and transit dates in the month of Feb.  
3/2- Adjusted IWISE dates to accommodate a Vietnam port stop for the Navy.  
4/27- Updated schedule to take into account generator casualties. Required deferring Viet Nam port visit until 2012.

[View Summary](#) [Set Default](#)

#### Associated Cruises

Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days	
Mob: 27 Nov 2010		/				
Dep: 27 Nov 2010	<a href="#">Chi-Lung, Taiwan</a>		0N/0E		0/71	
Arr: 06 Feb 2011	<a href="#">Chi-Lung, Taiwan</a>		0N/0E	Maintenance		<a href="#">View</a>
DeMob: 06 Feb 2011						
Project	PI/Institution	Project #	Days/Agency/Status			
<b>Notes:</b> Shipyard period 27 November 2010 - 7 February 2011.						
Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days	
Mob: 07 Feb 2011		/				
Dep: 07 Feb 2011	<a href="#">Chi-Lung, Taiwan</a>		0N/0E		4/4	
Arr: 10 Feb 2011	<a href="#">Chi-Lung, Taiwan</a>		0N/0E	Maintenance		<a href="#">View</a>
DeMob: 10 Feb 2011						

# STRS User Homepage



## University-National Oceanographic Laboratory System

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[USER HOME](#)

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### Benjamin Rauh's Principal Investigator Home Page

[User Information](#)

[Principal Investigator](#)

[Technical Services](#)

[Customize Homepage](#)

#### Projects

[New Project](#) | Page Size:

[How do I create a Ship Time Request?](#)

[Filter Projects/Requests By:](#)

	Project Short Title	Start Date	PI	Status	# Requests	
<a href="#">View</a>	test		Rauh, B	Draft	0	<a href="#">Show Requests</a>

#### Schedules

Page Size:

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# How to create an STR – step by step



## University-National Oceanographic Laboratory System

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### *View FAQ*

**Question:** How do I create a Ship Time Request?

**Answer:** There are four steps that you will need to follow:

STEP 1: Go to your Principal Investigator home page by clicking on the tab from your user home page or by using the drop down menu from the User Home link at the top of the screen.

STEP 2: create a "Project" by clicking on "New Project" link on your home page or by duplicating an existing project (click "view" for the project you want and then click on the "Duplicate Project" button and follow the instructions given). The project section describes the proposal, grant, and contract or program information. Click "Save and Finish Working" when done.

STEP 3: Once you click on "Save and Finish Working" you will be sent to the STR Manager page. Here you can create your individual ship (cruise) requests by clicking on the "Create New Request" buttons. You can create additional requests the same way until finished. If you wish to make multiple requests similar to the first you can view your request and then use the "Duplicate Request" button. If you created a duplicate project and chose to copy the requests associated with the project, they will appear in the STR Manager page and you can use the "Edit Link" to make changes.

STEP 4: Once you have completed the above two steps you will return to the STR Manager page. If you are ready to publish your request you will need to change the status of your requests from "Draft" to "Submitted". Once this is done, you can click on the "Submit and Publish STR" button and a copy of your request will be emailed to you.

If you have errors in either section of your Ship Time Request you will be notified during the submit operation. Also, if you have not filled in all of the required fields you will be notified during the submit operation. Verify that all required fields have been entered correctly. Be aware that requests that are submitted in "Draft" Status will not be visible to Ship Schedulers.

NOTE: For a successfully submitted Ship Time Request make sure that all required fields (both Orange and Red asterisks) are filled in! If you are not ready to publish your Ship Time Request you can fill in only the Red asterisks.

For more detailed information, read the help document.

[How to Create Ship Time Requests and Projects \(1.8 MB PDF\)](#)

[Home](#)

[Suggestions/Request Help](#)

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# Create a new “Project”

The screenshot displays the UNOLS website interface for creating a new project proposal. The header includes the UNOLS logo and navigation links: 'BRANCH PUBLIC RECORDS', 'USER HOME', and 'LOG OUT'. Below the header, there are links for 'Get Grants/Suggestions' and 'FAQs', along with a 'BACK' button. The main heading is 'Step 1: Enter the information for the new project/proposal'. The form itself is titled 'Proposed Form' and 'Required Field for a Submitted Project'. It contains several sections: 'PROJECT STATUS' with a dropdown menu and 'UNL NUMBER' field; 'PROJECT TITLE' with a large text area and a note about character limits; 'SHORT TITLE' with a text field and a note about character limits; 'PIs and other Collaborators' with an 'Add New' button; 'INTERNAL USE' with 'Project Number' and 'Program Name' dropdowns; 'Letter to Captain' and 'Program Comments and/or Other Program' text areas; 'FUNDING AGENCIES' with two rows of 'Agency/Division/Program', 'Agency Grant/Project #', and 'Agency Funding Dates' fields; 'AGENCY DESCRIPTION' with a large text area and a note about character limits; and 'INSTITUTION' with a text field and a 'Save Institution' button. The footer of the form provides the address: 'Arizona National Laboratory, 1030 South Cass Avenue, Room 11, 85433 USA'.

- Funding
- Agency Info
- Proposal or Project Title
- Start and End Dates
- PIs
- You will need a Project Report for each new Proposal
- There is a duplicate feature

# Save your Work!!!!!!

## Go to the next step...

## Time to submit a cruise request

Last Saved: Not Yet Saved

Save Your Work

Save And Go To Next Step

Discard Changes

# STR Manager Page

This is where you will create a ship time request.  
A request is needed for every cruise.

**STR Manager**

**Step 3:** Create, edit and/or withdraw ship requests  
Create new requests using button at bottom right or by duplicating existing requests.

**Step 4:** Ensure you have chosen 'Submitted' for all ship requests that you want to submit

**Step 5:** Click the 'Submit & Publish STR' button when finished with changes

Submit & Publish STRDuplicate Entire STRView STREdit Project Details

ID: 180818  
Short Title: new project  
Title: new project  
Alt up name, APL

GD-PS(s):  
Funding Agency: Agency/Division/Program  
ACOE

Grant or Project Number  
Not Specified

Status: Draft  
Version: 0

Sending Status  
Not

List of Ship, Aircraft and Facility Requests

**Cancel New Request**

[button: view]

STR Permissions



# The ship time request

**Requested Ship/Facility, Dates & Operating Days**

Please describe the year and requested ship. All requests start on the anniversary following 01 of the year unless the requested ship is a repeating cruise, please specify "Repeat of the year only".

YEAR:  SHIP NAME:

OPTIMUM START DATE: Month:  Day:

Earliest Start Date:  Latest Start Date:

Multi-Ship Op:

Describe multi-ship operations and/or list ships:

List dates or range of dates to avoid, and explain:

SCIENCE DAYS

SCIENCE DAYS	Max Days	Deck Days	Estimated Percent	Total Days
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Days Approved by Funding Agency?  Yes  No

Is this a repeating cruise?  Interval:  Number of cruises:

Describe requirements for repeating cruises (intervals or timing):

Just fill a field for a section for ship/facility, dates, weeks, number of days or any other information that will help with scheduling decisions:

- Cruise Dates
- Vessel
- Days
- Multi-ship Operations?
- Repeating Cruises?
- Type of request?
- Geographic Area
- Foreign Clearances
- Ports

We try hard to schedule your cruise to your request - really!

# The ship time request (continued)

Major Equipment and Instrumentation Requirements	
Instrumentation Requirements That Impact Scheduling Decisions	
<input type="checkbox"/> Dredging	<input type="checkbox"/> Dynamic Positioning
<input type="checkbox"/> Seismic (bulk in)	<input type="checkbox"/> Fiber Optic (501)
	<input type="checkbox"/> Mailbeam
	<input type="checkbox"/> Vana
Explain instrumentation or capability requirements that could affect choice of ship in scheduling:	
Major Ancillary Facilities (that require coordination of schedules with ship schedule)	
Autonomous Underwater Vehicle (AUV)	
<input type="checkbox"/> Autonomous Benthic Explorer - ABE (NDSF)	<input type="checkbox"/> Other AUV
Coring Facility	
<input type="checkbox"/> Jumbo Piston Coring	<input type="checkbox"/> Large Gravity Core
	<input type="checkbox"/> OBU Coring Facility
	<input type="checkbox"/> Other Large Coring Facility
Helicopter Facility	
<input type="checkbox"/> Helicopter Ops (USCG)	
Human Occupied Vehicle (HOV)	
<input type="checkbox"/> Alvin (NDSF)	<input type="checkbox"/> Other HOV
Other Facility	
<input type="checkbox"/> Other Facility	
Remotely Operated Vehicle (ROV)	
<input type="checkbox"/> Jason II (NDSF)	<input type="checkbox"/> Other ROV
Seismic Facility	
<input type="checkbox"/> Ocean Bottom Seismograph Instrument Pool (OBSEP)	<input type="checkbox"/> Ocean-Bottom Seismometer Program (OBSP)
	<input type="checkbox"/> Other Seismic Facility
	<input type="checkbox"/> PASSCAL
<input type="checkbox"/> Portable MCSGS group	<input type="checkbox"/> U.S. Geological Survey Ocean Bottom Seismometer Facility (USGS at WHOI)
Towed Underwater Vehicle	
<input type="checkbox"/> ARGO II	<input type="checkbox"/> DSL 1204 (HMRO)
	<input type="checkbox"/> Finesil MR1 (HMRO)
<input type="checkbox"/> IMC (HMRO)	<input type="checkbox"/> IM12 (HMRO)
	<input type="checkbox"/> Other Towed Underwater Vehicle
Unmanned Aerial Vehicle (UAV)	
<input type="checkbox"/> Altus	<input type="checkbox"/> Other UAV

## Major Equipment

-This is where you request your NDSF vehicle - Alvin, Sentry, Jason

-and all other major equipment

# Submit and Publish

## STR Manager

- Step 3:** Create, edit and/or withdraw cruise requests  
Create new requests using "New Cruise Request" button at lower right or by duplicating existing requests
- Step 4:** Ensure you check "Include Cruise" for all cruises that you want to submit with this STR
- Step 5:** Click the "Submit & Publish STR" button when finished with changes

The screenshot shows the STR Manager interface. At the top, there are buttons for "Submit & Publish STR", "Duplicate Entire STR", "New STR", and "Edit Project Details". Below these are fields for "ID: 10000", "Start Title: new project", "End: new project", "PI: as mem, AHL", and "CO-PI(s)". There are also buttons for "View STR" and "Edit Project Details".

Below the form fields, there are labels for "Funding Agencies:", "Agency/Division/Program: ACCE", "Grant/Project Number: Not Described", and "Funding Status: To Be Submitted".

A table titled "List of Ship, Aircraft and Facility Requests" is shown. The table has columns for "Year", "Ship", "Event Date (optional)", "Science Days", "Include Cruise", and "Status". A red arrow points to the "Include Cruise" checkbox in the first row, which is circled in red. The status "DRAFT" is visible in the "Status" column.

At the bottom of the table, there are buttons for "Delete STR" and "Submit & Publish STR".

Click the "include Cruise" box.

Once the project/request is published a copy will be sent by email to the you, the schedulers, and the agency reps.

# Next Steps

- Your project is now in the STRS system
- From the Ship Time Request Overview page - print your NSF STR form to submit with your proposal in Fastlane
- Keep your fingers crossed!

My proposal was FUNDED!!!!!!!

WHA-HOO!

NOW WHAT DO I DO???

OMG!!!!!!!

- Cruise science planning

Develop a Science Team for your Cruise  
(the earlier the better!!)

Team spirit and open communications  
leads to a more successful and enjoyable  
cruise for all



- Are the science activities of my team members complementary and/or synergistic?
- Will there be open berths and/or wire time available for other scientists with interests in your cruise area, students or training opportunities?  
(post on UNOLS cruise opportunities page)

# Know thy and thou Science Objectives and Cruise Priorities

- Foster communications among Science Team to align sampling objectives and cruise logistics
  - Schedule a pre-cruise planning meeting well in advance, in person if possible
- Develop a primary cruise plan and contingency scenarios collaboratively
  - Follow-up with conference calls

# Cruise Logistics Planning

# Communicate with thy Marine Tech and Marine Dept

- closely follow the established cruise planning procedures and timetable for your vessel
- don't be afraid to ask for clarification and assistance in the cruise planning process from the ship operator and UNOLS

# START LOGISTICS EARLY

Give plenty of extra time for logistical preparations for polar work, foreign clearances, marine mammal and protected areas considerations, etc.

- discuss in detail your cruise equipment needs with Marine Tech

(DO **NOT** JUST ASSUME IT WILL BE THERE!)

- deck (winches, wire needs)
- instrumentation (CTD/sensors, sampling bottles)
- lab (fume hoods, laminar flow hoods, fridge/freezer space)
  - navigational needs
  - other (transducers, special computing needs?)
  - vans

- provide specifics about any PI supplied equipment and instrumentation

- over-the-side equipment may require special planning
  - lab equipment

There are many on-line resources to help logistics planning for your cruise

[http://shipsked.ucsd.edu/Schedules/Instructions\\_For\\_Scientists/](http://shipsked.ucsd.edu/Schedules/Instructions_For_Scientists/)

KNOW thy and thou equipment  
to prevent surprises



- If you plan to use any UNOLS Shared-Use equipment or Pooled assets

discuss your plans with person responsible for this equipment ASAP and reserve it as soon as the cruise dates are set

Familiarize yourself with your equipment  
and its setup  
**BEFORE** the cruise (all PIs)

How will you deploy it?

How will you secure it?

Put together a spares box!

Bring your own tools, tape, hardware etc!

# PREVENT SURPRISES AND SAFETY PROBLEMS

Discuss with other PIs the equipment  
they plan to use and procedures

In a few cases, you may need to arrange that PIs  
bringing unusual equipment to discuss their  
operations and needs directly with the Marine Tech  
(especially true for any user-supplied wire or atypical  
over-the-ship operations)

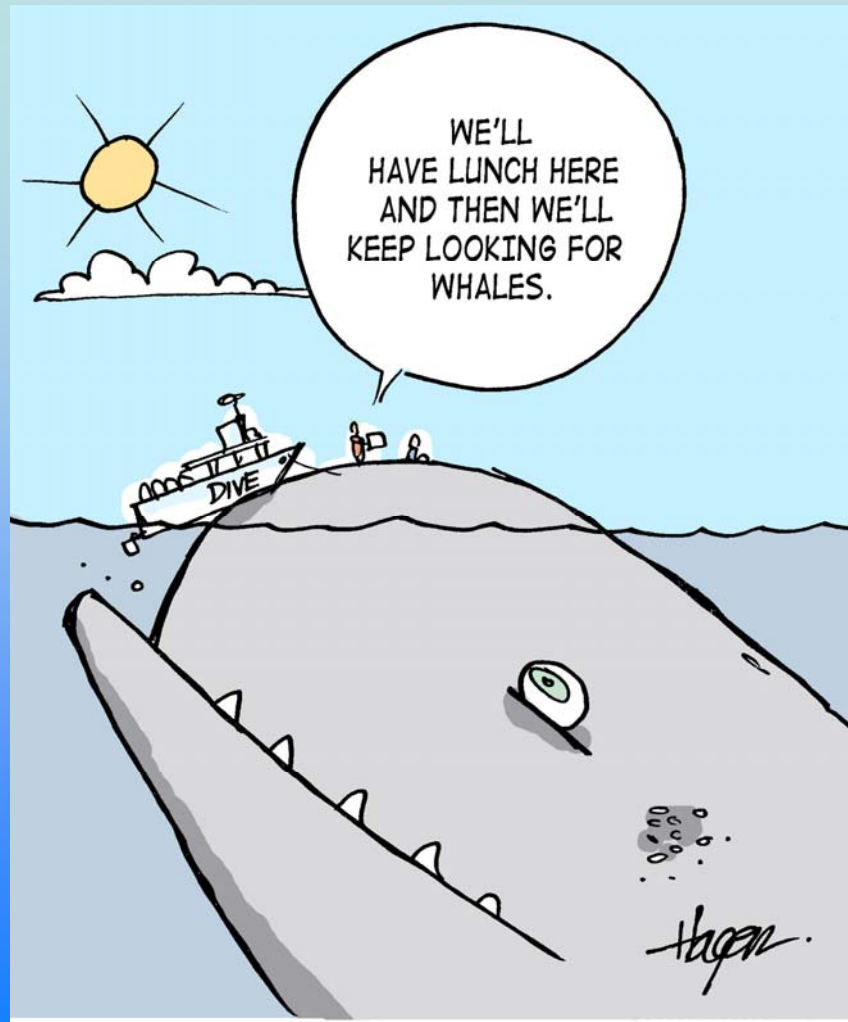
# HAVE A HAPPY CRUISE!



Bon voyage!



MAINTAIN FLEXIBILITY, OPEN  
MINDEDNESS AND  
GOOD HUMOR ABOVE ALL!!



# Take home messages...

- Early and thorough planning is essential!
- Communicate, communicate, communicate!
- Use all resources available to plan your proposal and cruise
- Don't hesitate to ask questions



*Thank you!*