

DeSSC Fall Meeting December 8th, 2013



Sorry I'm not there



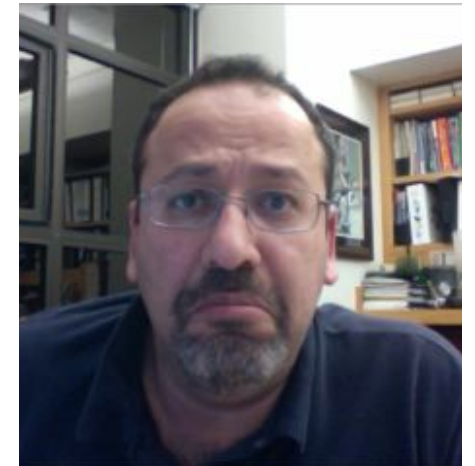
Happy dad

+



sticky, snotty babies

=



sick dad

DeSSC meeting agenda

- Brief introduction of early career scientists
- Agency Introductions and Reports
- Student and Early Career Scientist Presentations I
- Vehicle Operations Summary
- PI reports, Facility Operators Report

- *lunch*

- Scheduling
- Vehicle debriefs
- Data mgmt plan
- Student and Early Career Scientist Presentations II
- one more PI report
- *HOV Alvin* upgrade
- Emerging technologies
- Closing remarks

A bit about emerging technologies

- *Telepresence*
- *OOI-RSN*
- *computer vision and automatic annotation of benthic images*
- *Hawaii's new deep ROV*
- *Scripps' new ROV*
- *HROV Nereus*
- *Nereid*
- *SOI's full ocean depth HROV*
- *Deep Sea Challenger Vehicle*
- *OceanGate's Cyclops HOV (a poster presented by Dr. Erika Montague)*



*a futuristic depiction of a "touch sensitive" underwater robot
(Frunhofer Institute, Germany)*

DeSSC membership

Current members

Peter Girguis, Chair (*Harvard*)

Vicki Ferrini (*LDEO*)

George Luther (*Univ. Delaware*)

John Wiltshire (*Univ. Hawaii*)

Wiebke Ziebis (*USC*)

Tim Shank (*ex-officio; WHOI*)

Chris German (*ex-officio, WHOI*)

Rob Munier (*ex-officio, WHOI*)

Rotated off in 2013

Evan Solomon

Michael Tryon

Marsh Youngbluth

Many thanks for their
dedicated service!

New members in 2013

Dave Emerson

Breea Govenar

Laura Lapham

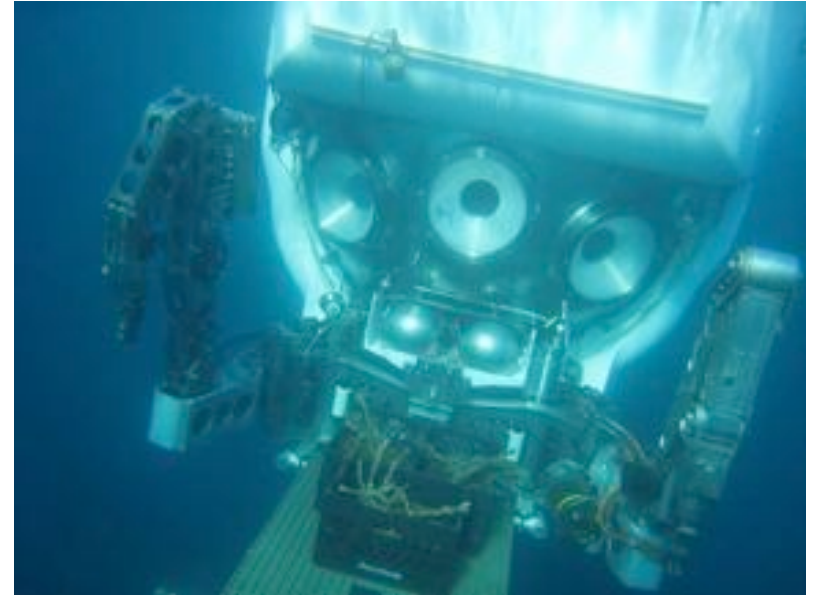
welcome to DeSSC

Changes to DeSSC meetings

- In response to budgetary constraints, UNOLS committees have been asked by NSF to reduce the number of “in-person” meetings per year from 2 to 1.
- *DeSSC and NDSF staff agree that the Spring “in-person” meeting is absolutely critical to accomplishing our objectives*
- ***Fall DeSSC meeting (this meeting) will proceed as planned but not all DeSSC members may be present***
- *Notably, NSF was very keen on supporting early career development programs, UNOLS website renovation*

Science Verification Cruise (SVC) revisited

- SVC is officially scheduled for ~March 17-28, 2014 in the Gulf of Mexico
- SVC participants will:
 - *assess the science systems*
 - *recommendations for minor refinements*
 - *provide the broader community with written descriptions/assessments*
 - *contribute articles on the HOV Alvin to newsletters and popular journals*
- **MANY THANKS to the agencies for their continued support despite the setbacks and complexities**



HOV Alvin during sea trials!

Stay tuned for more info later in the meeting

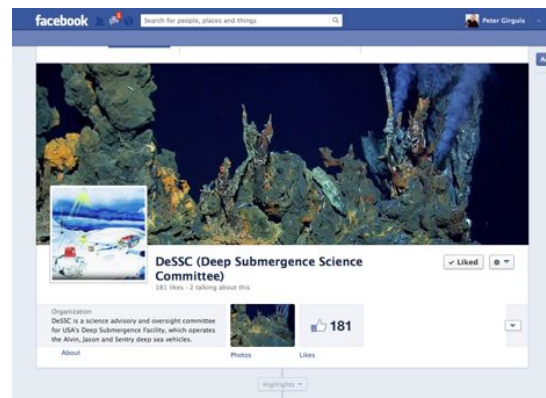
Education and Outreach

- Early career scientist program



my own “really early” career scientists in their WHOI garb

- Social media *and* website updates



Web Page Index

- [The National Deep Submergence Facility](#)
- [Alvin Upgrade Project](#)
- [NDSF User Debrief Summaries](#)
- [NDSF Vehicle Request System](#)
- [DESSC/NDSF and Deep Submergence Science Publications/Letters/Press Releases](#)
- [DESSC/NDSF Terms, Policies, and Manuals](#)
- [DESSC Meeting minutes, Agendas, Reports and Calendar](#)
- [DESSC Early Career Ocean Interest Group](#)
- [UNOLS Reports](#)



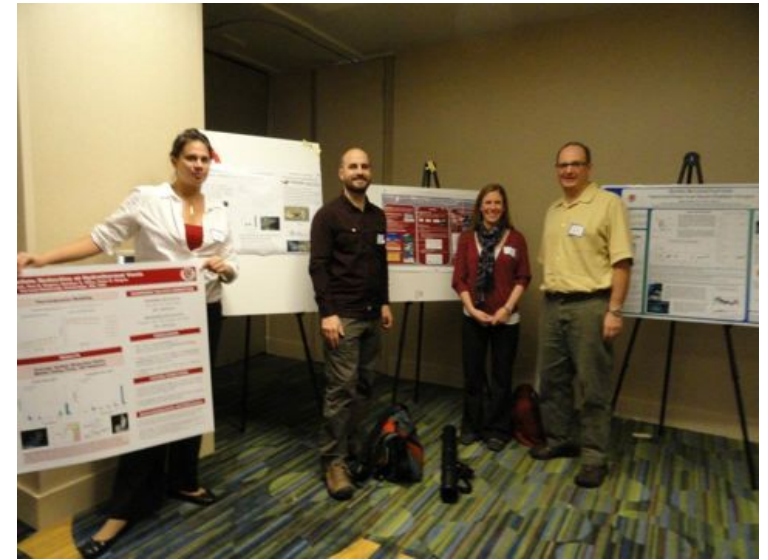
DESSC Members

- Peter Girguis, Chair
- John Wiltshire
- George Luther
- Vicki Ferrini
- Wiebke Ziebis
- David Emerson
- Breea Govenar
- Laura Lapham
- Tim Shank (ex-officio)
- Chris German (ex-officio)
- Rob Munier (ex-officio)

[Members' regular and e-mail addresses](#)

Early Career Scientist Program

- The 2013 ECS program
 - *over 44 applicants; 30+ attendees*
 - *THANKS again to NSF for their continued support*
- This year included breakout sessions on the NDSF, grantwriting, technology, and data management
 - *SPECIAL THANKS TO Annette deSilva, Dave Emerson, Vicki Ferrini, Breea Govenar, Deb Kelley, Brian Midson, Mike Perfit, Anton Post, Karyn Rogers, Dave Valentine, and Scott Wankel*
- A spin-off “grassroots” group
 - *The Ocean Policy Interest Group (OPIG), currently headed by Jeff Marlowe*



We are always looking for volunteers, so let us know if you are interested in helping with this program

Disseminating information

- Facebook (managed by P.Girguis, J. Marlowe and K. Rogers)

The image shows a screenshot of the Facebook page for the DeSSC (Deep Submergence Science Committee). The page features a large cover photo of deep-sea hydrothermal vents. Below the cover photo is a profile picture of a deep-sea submersible. The page name is "DeSSC (Deep Submergence Science Committee)" with 237 likes. The "About" section describes the organization as a science advisory and oversight committee for USA's Deep Submergence Facility, which operates the Alvin, Jason, and Sentry deep-sea vehicles. The page has 79 friends and a "Like" button. The right sidebar includes a "Recent" section with years 2013, 2012, and 2011, and an "Advertise your page" button.

DeSSC (Deep Submergence Science Committee)

237 likes

Organization
DeSSC is a science advisory and oversight committee for USA's Deep Submergence Facility, which operates the Alvin, Jason and Sentry deep sea vehicles.

79 Friends
Like DeSSC (Deep Submergence Science Committee)

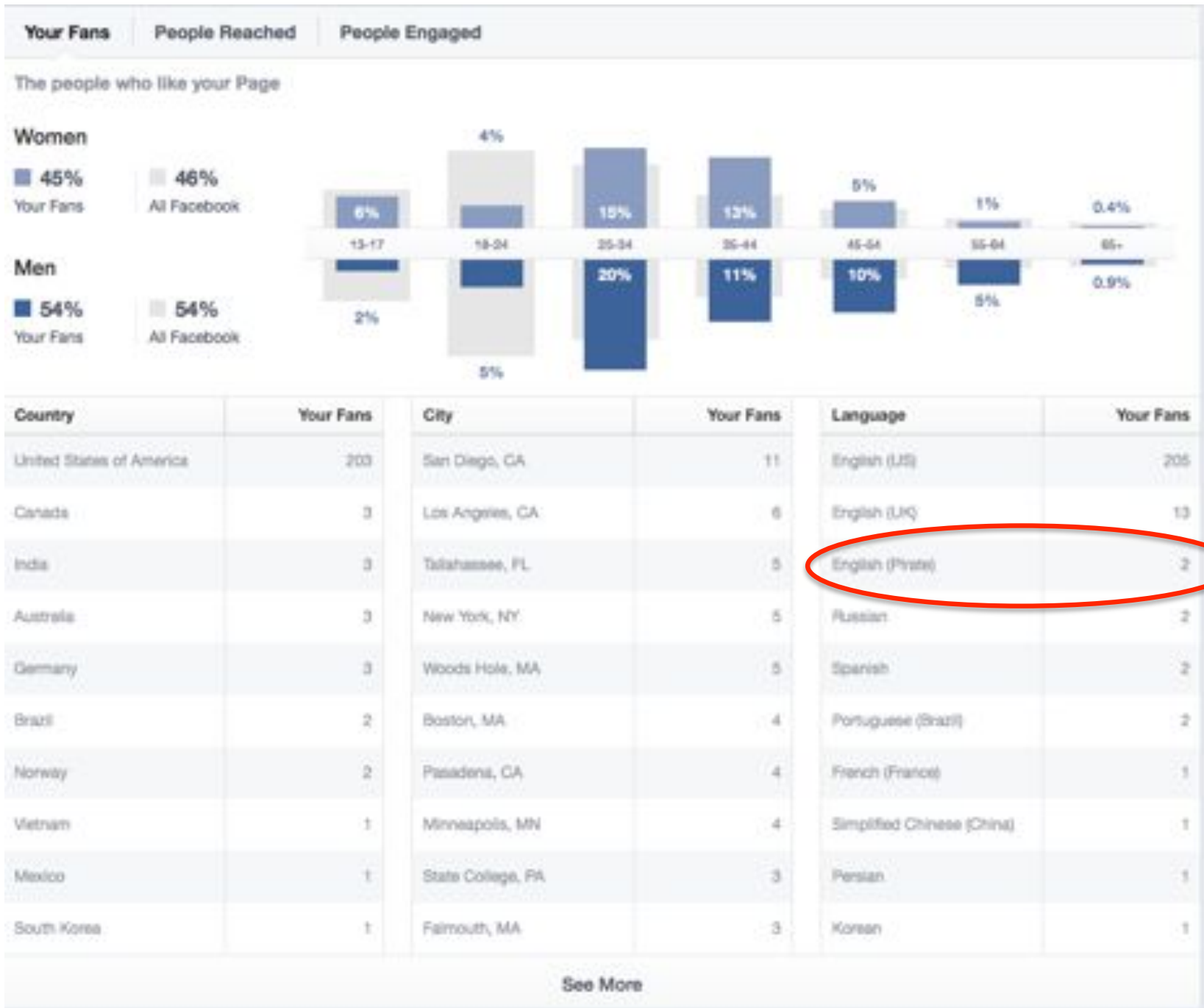
What have you been up to?

DeSSC (Deep Submergence Science Committee)
November 10

See Your Ad Here
DeSSC (Deep Submergence...
Outstanding news everyone. The DSV Alvin has just completed sea trials!

Advertise your page

Facebook visitor demographics



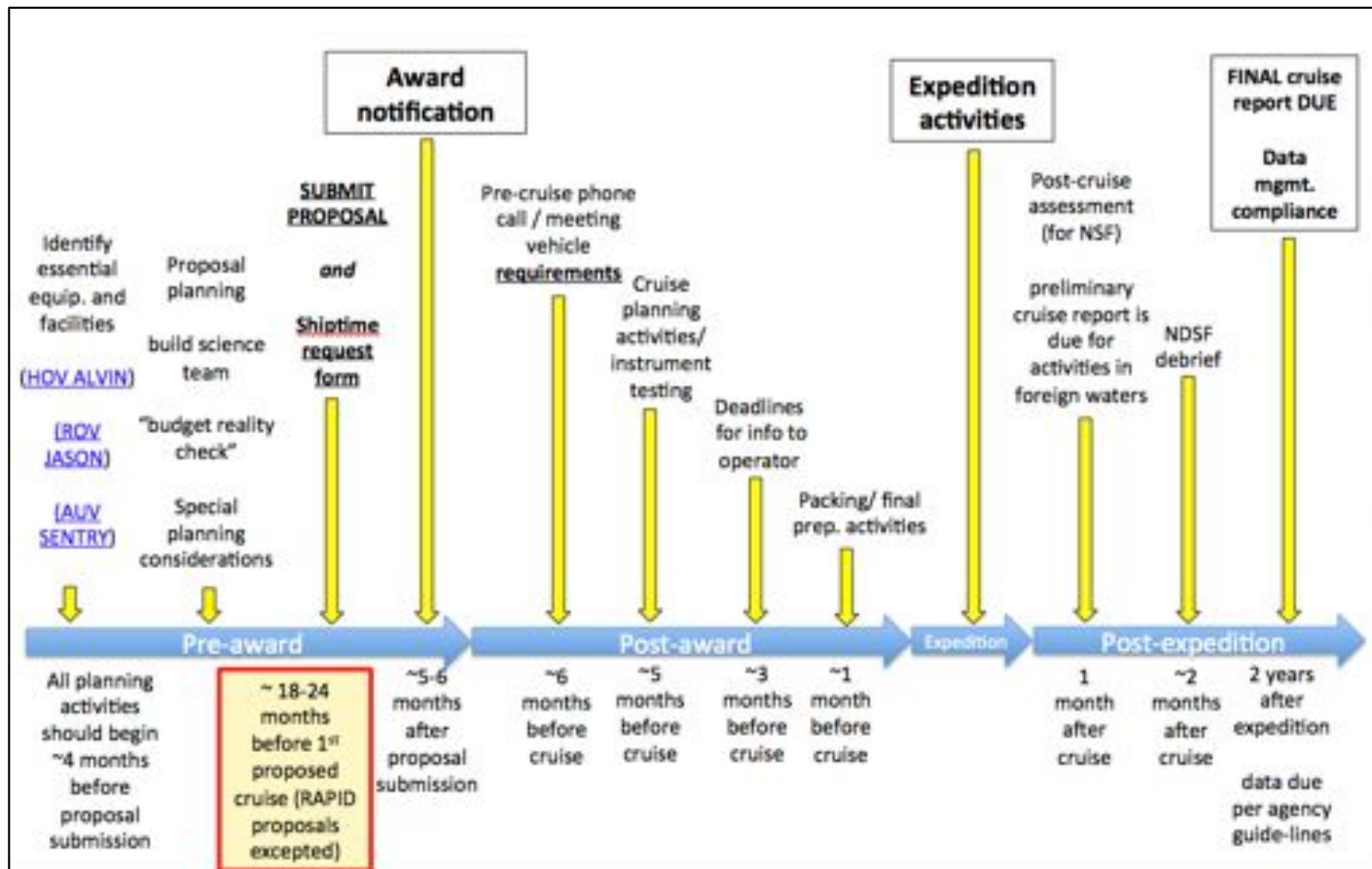
Disseminating information

- Pete Girguis, Jeff Marlowe and Karyn Rogers will continue to manage the DeSSC Facebook page
- Beth Orcutt has volunteered to use “Twitter” to disseminate key information
- *DeepSea News* and other comparable websites have been promoting the ECS program, DeSSC activities, etc.
- **Please feel free to contact any of us if you have deep sea research news you’d like us to share!**



The new UNOLS website is currently under development

- The new DeSSC website will have a “roadmap” for users that highlights the process from STR to post-cruise assessment



- This roadmap will have links to the appropriate pages and contacts e.g. NSF program officers, Eric Benway@WHOI, etc.

A big THANK YOU to Chris German

- Chris German has been the NDSF Chief Scientist since 2005, and his leadership, innovation, and diplomacy will be sorely missed as he returns to his life as a scientist and explorer.



A big THANK YOU to Pat Hickey

- Pat Hickey has been an *Alvin* manager, expedition leader and *Alvin* pilot for many years. Pat was instrumental in ensuring that the *HOV Alvin* was a safe and effective vehicle for science, and is largely responsible for the efficacy of the program today. Pat will be sorely missed, and we hope that he'll stay in touch between his travel and work plans.



A few little gifts from the community

- *A certificate from UNOLS to remember us by...*
- *A “lasso bottle holder” to remember your time at sea with us...*
- *Some Ardbeg’s Galileo scotch to forget us by...*



Where science meets art

- *Lily Simonson is an artist who has participated in a number of deep sea expeditions.*
- *Lily has been using her art as an effective tool for engaging a broader audience in ocean science. She has many wonderful success stories to share.*
- *We invited her to join us today, and we encourage you to talk with her about participating in your own EPO activities.*



Don't Judge the Tubeworms, 2007, Oil on canvas, 60 x 84 inches



A little bit of fun: *HOV Alvin* prints available

- *Drawing by Kenn Berry of Austin, TX.*
- *19 x 13 acid-free stock, really nice with lots of detail*
- *\$40 a print*
- *If you are interested, please email me at pgirguis@oeb.harvard.edu by **DECEMBER 31st, 2013** and I'll have Kenn send one your way.*



Enjoy the meeting !

