

UNOLS Fleet Improvement Committee Meeting



March 13 - 14, 2006

UNOLS Office – Reports

FIC Action/Task List

March 2006 Meeting

Task Description	Action/Status
Regional Class - stay engaged in acquisition process	FIC - Ongoing
KILO MOANA Actions:	
<ul style="list-style-type: none"> • Continue Select Debrief Interviews with more focused set of questions. 	FIC
<ul style="list-style-type: none"> • Draft EOS or other appropriate article 	D. Hebert/B. Taylor
FOFC Fleet Plan Update	
<ul style="list-style-type: none"> • Provide the Working Group information when requested 	FIC – ongoing
<ul style="list-style-type: none"> • Provide Statements of Science Imperative for Research Vessels 	FIC - Complete

FIC Action/Task List

March 2006 Meeting

Task Description	Action/Status
Design and Constructions Efforts - Stay engaged in ongoing design and construction efforts (ARRV, <i>Langseth</i> Conversion, etc.)	FIC – ongoing
Ocean Class Planning – Provided input as requested	FIC and OCSC
Global Class: Update SMRs	Global Class SMR Comt - ongoing
2005 Fleet Improvement Plan: <ul style="list-style-type: none"> • Revise outline and plan organization • Provide standard format for Science sections and clearly state the need for ships • Complete draft text for all sections • Review Draft should be available for March Council Meeting 	FIC - Ongoing

FIC Action/Task List

March 2006 Meeting

Task Description	Action/Status
Ocean Observatories – Stay in contact with ORION Office	Dave Hebert – ongoing
FIC Membership – A replacement is needed for Ron Benner. Announce a call for nominations.	Office – Call has been announced.
ADA Guidelines:	
<ul style="list-style-type: none"> • Form a subcommittee to draft guidelines for new construction or ship conversions. Establish procedural guidelines for at-sea operations 	ADA Committee (ADAC) Formed
<ul style="list-style-type: none"> • Convene a 2-day workshop as needed 	ADAC
<ul style="list-style-type: none"> • Provide preliminary recommendations to NSF for Regional Class Construction effort 	ADAC
<ul style="list-style-type: none"> • Provide draft recommendations in Spring 06 	ADAC

Fleet Improvement Plan Update

- The focus of Day-1 of the meeting is to review the draft Fleet Improvement Plan.
- The current working document will be projected on the screen for comment.
- Re-evaluate the project timeline
 - Next working draft
 - Final draft for Council Review
 - Community comment
 - Finalize document.

General Purpose Global Vessel SMR Mid Life Refit considerations



2006 - *THOMPSON*



2011 - *REVELLE*

Bruce Howe (UW), Chair



2012 - *ATLANTIS*

Global Class Steering Committee

- Bruce Howe (UW), Chair – Ocean Observatories
- Tom Althouse (SIO) – Marine Superintendent
- Jim Broda (WHOI) – Coring
- Bob Embley (NOAA/PMEL) – ROVs, MG&G
- Ken Johnson (MBARI) – Chem O.
- Paul Ljunggren (LDEO) – Marine Superintendent
- Dan Schwartz (UW) – Marine Superintendent
- Niall Slowey (TAMU) – FIC Rep, MG&G
- Al Suchy (WHOI) – Marine Superintendent
- Woody Sutherland (SIO) – Marine Technician
- Randy Watts (URI) – Phys. O
- Patricia Wheeler (OSU) – Biol. O.

Global SMR

Committee Activities/Status

- Meetings –AGU December 2004, phone/web: January and March, 2005
- Compiled large ship utilization trends and ship demand. (Complete)
<http://www.unols.org/committees/fic/global/global_slides_030805.PDF>
- Draft Community Survey – Draft form is under committee review:
<http://www.unols.org/committees/fic/global/GCSMR_Survey_Form.asp>
- Project Website:
<http://www.unols.org/committees/fic/global/global_smr.html>

Kilo Moana Discussion

Kilo Moana Handling System

- System manufacturer - Caley Ocean Systems (Glasgow) - P.O. let in June 2005
- System capabilities - Meets all requirements of NSF-ONR Load Handling Study recommendations.
- Acquisition Status - ?
- Jason 2 test on KM to occur 5-7 December, 2006.

KILO MOANA

Focused set of Questions

Are these still needed?

- A. What were the most positive aspects of your research cruise on the R/V KILO MOANA?
- B. What were the most negative aspects of your research cruise on the R/V KILO MOANA?
- C. Did sea conditions ever prevent or impair any of the science operations? If so, how?
- D. Was station keeping and maneuvering on station satisfactory for all science operations?
- E. Were all science systems operating properly and fully functional?
- F. What was the habitability of the science spaces and living quarters?

2005 KILO MOANA Schedule

StartDate	EndDate	PIName	Institution	AreaName	Purpose	Days	Agency
1/7/05	1/31/05	Kuehl, Steven	VIMS	South Pacific	MARGINS	28	NSF
2/4/05	2/15/05	Alexander, Clark	SIO	South Pacific	Sediment Dynamics	15	NSF
4/4/05	4/26/05	Hart, Stanley	WHOI	South Pacific	Somoan Hotspot Dredging	27	NSF
5/16/05	5/20/05	Karl, David	UHI	Hawaiian Islands	HOT Series	4	NSF
5/21/05	5/23/05	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
5/28/05	5/30/05	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
6/2/05	6/10/05	Kelley, Christopher	UHI	Hawaiian Islands	Fisheries Research	8	STATE
6/13/05	6/17/05	Karl, David	UHI	Hawaiian Islands	HOT Series	4	NSF
6/24/05	9/1/05	Armstrong, Andrew	NOAA	Gulf of Alaska	Sea Floor Mapping	68	NOAA
9/8/05	9/12/05	Karl, David	UHI	Hawaiian Islands	HOT Series	4	NSF
9/15/05	10/2/05	Porter, Michael	ONR	Hawaiian Islands	PMRF	17	NAVY
10/6/05	10/11/05	Karl, David	UHI	Hawaiian Islands	HOT Series	4	NSF
11/7/05	11/9/05	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
11/10/05	11/14/05	Karl, David	UHI	Hawaiian Islands	HOT Series	4	NSF
11/15/05	11/17/05	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF

2006 KILO MOANA Schedule

StartDate	EndDate	PIName	Institution	AreaName	Purpose	Op Days	Agency
2/6/06	2/8/06	Edwards, Margo	UHI	Hawaiian Islands	IMI-30 Test Cruise	2	STATE
2/8/06	2/11/06	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	3	NSF
2/18/06	2/20/06	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
3/5/06	3/7/06	Applegate, Bruce	UHI	Hawaiian Islands	POS/MVP/Multibeam Test	2	NAVY
4/12/06	5/11/06	Laske, Gabriele	SIO	Hawaiian Islands	PLUME	29	NSF
5/14/06	5/23/06	Weingart, John	JHU	Hawaiian Islands	Zircon II	9	NAVY
5/25/06	5/31/06	Karl, David	UHI	Hawaiian Islands	HOT Series & Mooring	6	NSF
6/7/06	6/9/06	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
6/17/06	6/19/06	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
7/30/06	8/6/06	Fitzgerald, Mike	PSNS	Hawaiian Islands	Buoy R & D	7	NAVY
8/15/06	10/2/06	Murray, James	UW	Pacific	Iron in Undercurrent	48	NSF
10/23/06	10/26/06	Sanford, Thomas	UW	Hawaiian Islands	Intergrating Ocean Variables	3	NSF
10/28/06	11/5/06	Kelley, Christopher	UHI	Hawaiian Islands	Bottom Mapping	8	STATE
11/8/06	11/11/06	Fitzgerald, Mike	PSNS	Hawaiian Islands	Buoy R & D	3	NAVY
11/21/06	11/22/06	Sanford, Thomas	UW	Hawaiian Islands	Intergrating Ocean Variables	1	NSF
12/5/06	12/7/06	Taylor, Brian	UHI	Hawaiian Islands	Jason Test	2	STATE
12/8/06	12/10/06	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	2	NSF
12/16/06	12/17/06	Dickey, Tommy	UCSB	Hawaiian Islands	MOSEAN	1	NSF

FIC Membership

- **David Hebert, URI (Chair) – [at-large, 9/06] PO**
- **Newell Garfield, SFSU – [Non-op, 9/06] PO**
- **Jim Cochran, LDEO – [at-large, 9/07] MG&G**
- **Niall Slowey, TAMU – [Operator, 2/08] MG&G**
- **Terry Whitley, U Alaska – [Operator, 9/07] BIO/Chem**
- **Clare E. Reimers, OSU – [Operator, 1/09] Chem**
- **Bauer, Jim, VIMS – [Non-Operator, 9/06] Chem/Bio**
- **Marc Willis, RVTEC Rep (ex-officio)**
- **Al Suchy, RVOC Rep (ex-officio)**

Open Position:

- **Ron Benner, USC – [Non-Operator, 1/06] Bio / Chem**

Call for Nominations

To maintain uniform representation of disciplines on the FIC, the ideal candidate would have a research interest in biology and be from a UNOLS Institution that does not operate a UNOLS vessel. Knowledge of ocean observatory facility support needs would also be desirable.

Suggestions:

- William M. Balch (Bigelow Labs) - Remote sensing, phytoplankton production, physiology, bio-optics
- Paty Matrai (Bigelow Labs) - Phytoplankton physiology, dimethyl sulfide and cloud formation
- Samantha Joye and Brian Binder (University of Georgia) – note UG is not a UNOLS member.

Volunteer Needed for ADA Steering Committee

A UNOLS representative to David Chapman's ADA Steering Committee is needed. Responsibilities:

- Provide oversight and evaluation
- Review and provide comments on survey documents and accessibility guide prepared by PI.
- Quarterly teleconferences over 18 month period.
- Review and comment on other documents.
- Time commitment – 10-12 hours total.

