

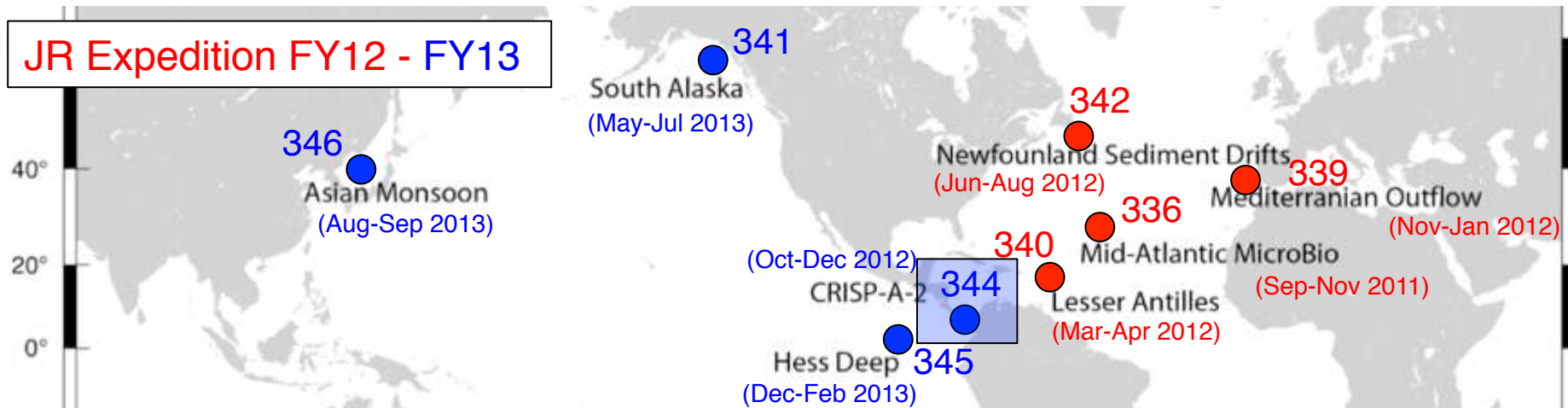


ESSAC Report

E&O, 4-5 September, 2012, Avignon, France

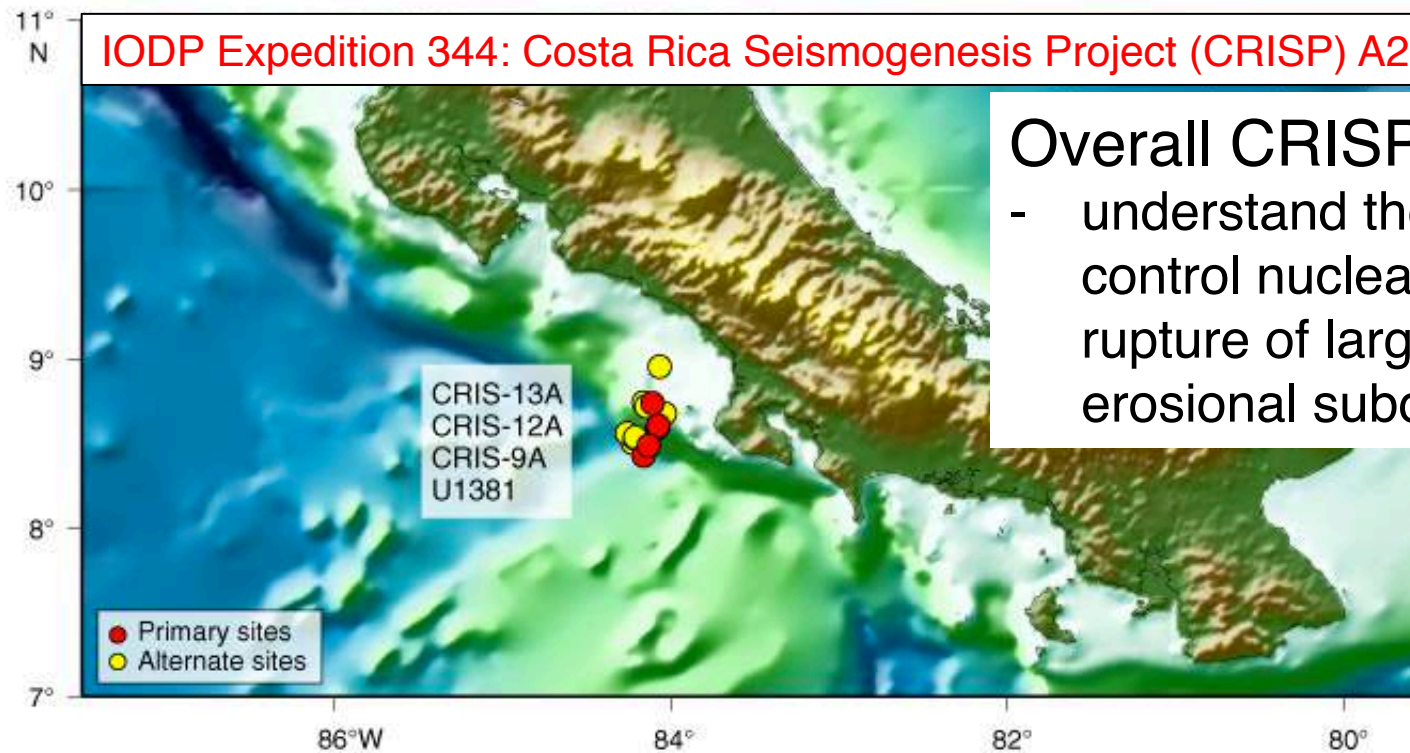
Nominations & Staffing

JR Expedition FY12 - FY13



IODP Expedition 344: Costa Rica Seismogenesis Project (CRISP) A2

Exp 344: CRISP
(Oct-Dec 2012)



Overall CRISP goal:

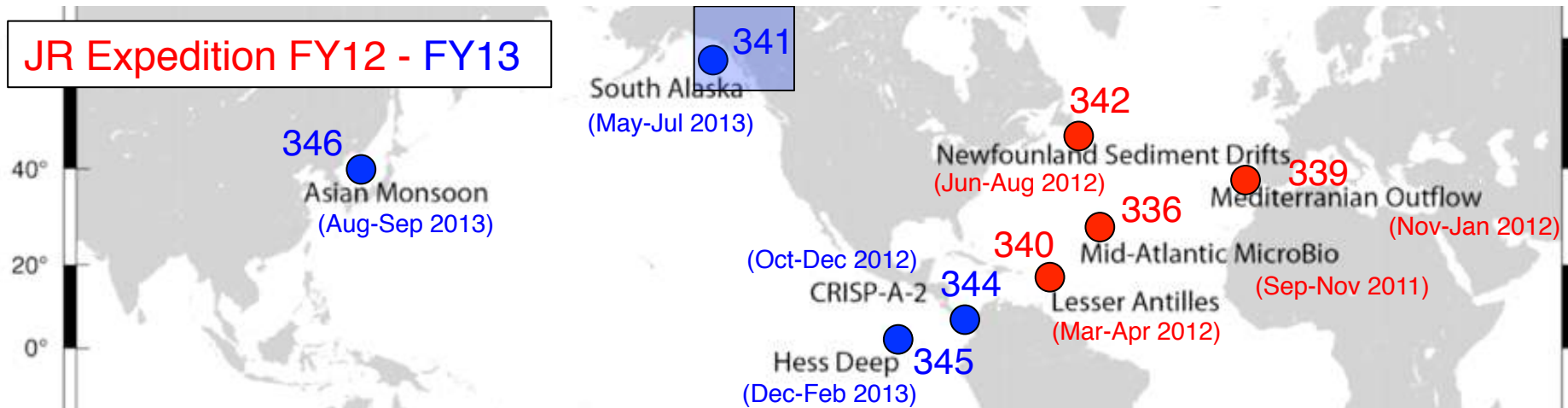
- understand the processes that control nucleation and seismic rupture of large earthquakes at erosional subduction zones

Drab withdrawal

9 ECORD: 3 D, 2 F, 1 UK, 1 Austria, 1 Switzerland, 1 Non-quota (Spain)

18th ESSAC Meeting, Aarhus, Denmark, May 29 – June 01, 2012

JR Expedition FY12 - FY13



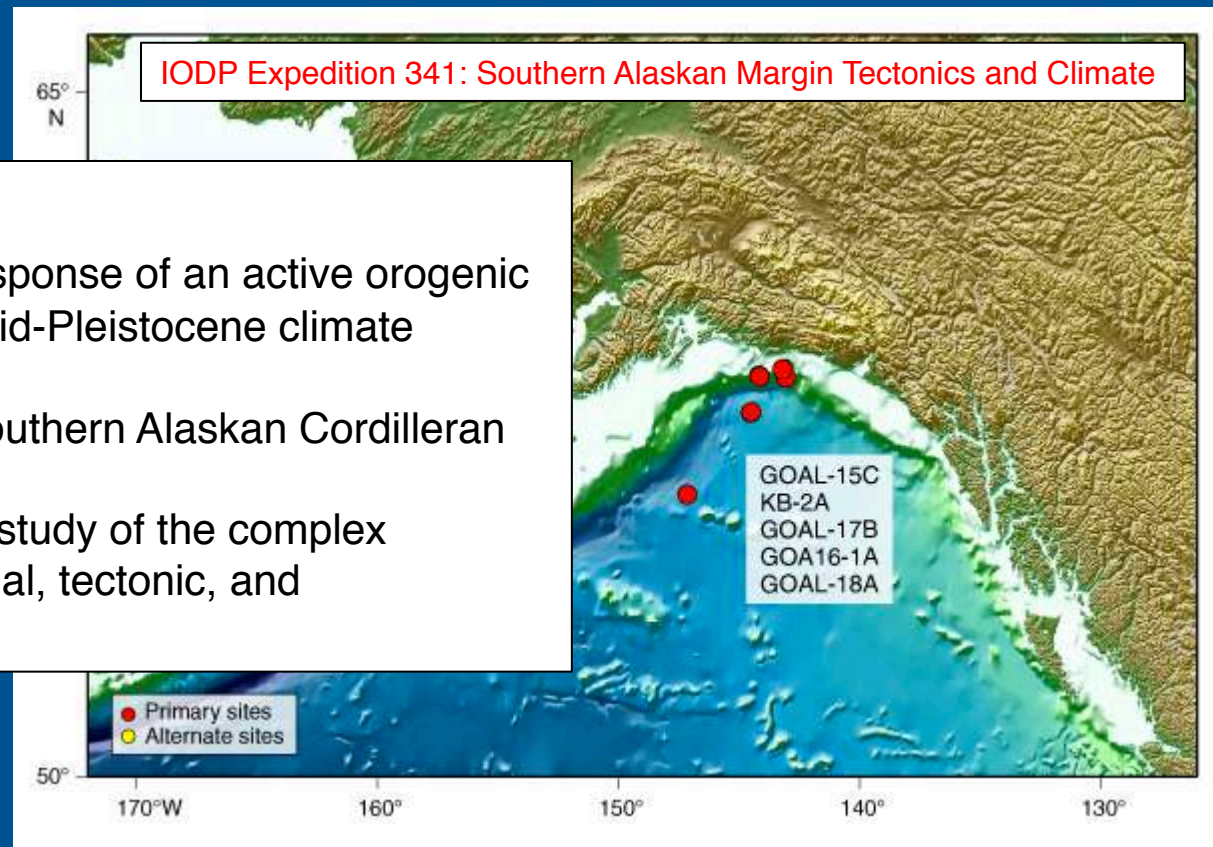
Exp 341 S. Alaska Margin May-July 2013

Main Objectives:

- Document the tectonic response of an active orogenic system to Pliocene and Mid-Pleistocene climate change
- Neogene history of the Southern Alaskan Cordilleran Ice Sheet
- Expanded source-to-sink study of the complex interactions between glacial, tectonic, and oceanographic processes

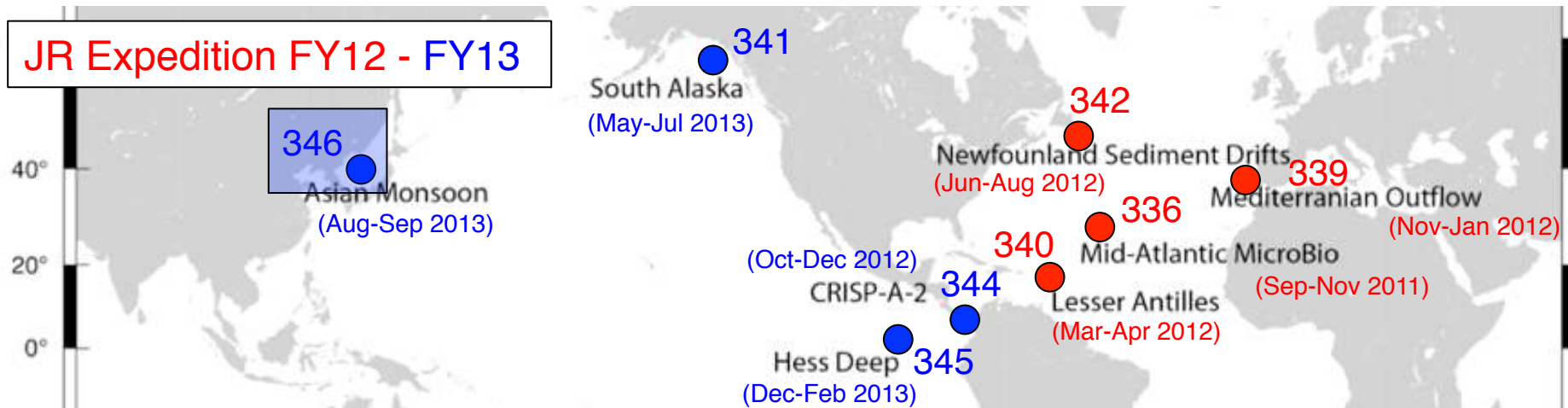
9 ECORD: 2D, 2F, 2UK,
1N, 1 CAN, 1E

H. Guillem withdrawal



18th ESSAC Meeting, Aarhus, Denmark, May 29 – June 01, 2012

JR Expedition FY12 - FY13

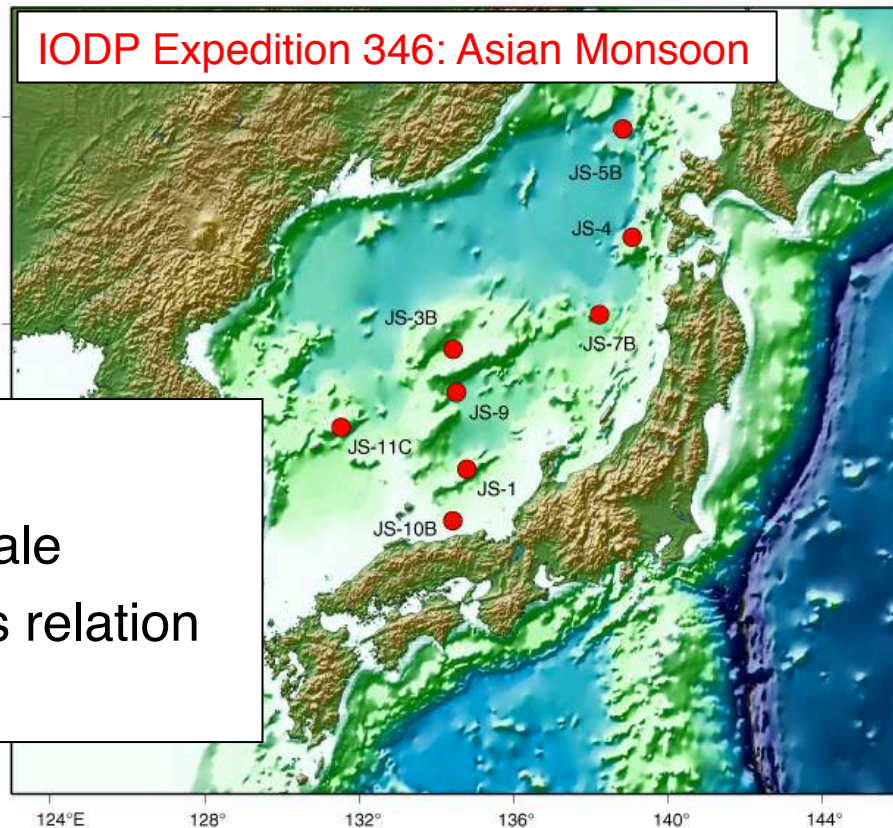


Ranking by delegates: 10 September 2012

A: 1 ; B: 1; F:2; D: 6; S: 2; UK: 8

Overall goal:

- Onset and evolution of millennial-scale variability of Asian monsoon and its relation to Tibetan uplift



Expedition 347: Paleoenvironmental evolution of the Baltic Sea Basin (BSB) through the last glacial cycle

Thomas Andrén
(Sweden)
and colleagues from

Australia
(K. Lambeck)

Denmark
(B.B. Jørgensen, M. Houmark-Nielsen, K.L. Knudsen)

Estonia
(S. Veski)

Finland
(A. Kotilainen)

Germany
(J. Harff, M. Moros, V. Spiess)

Latvia
(V. Zelchs)

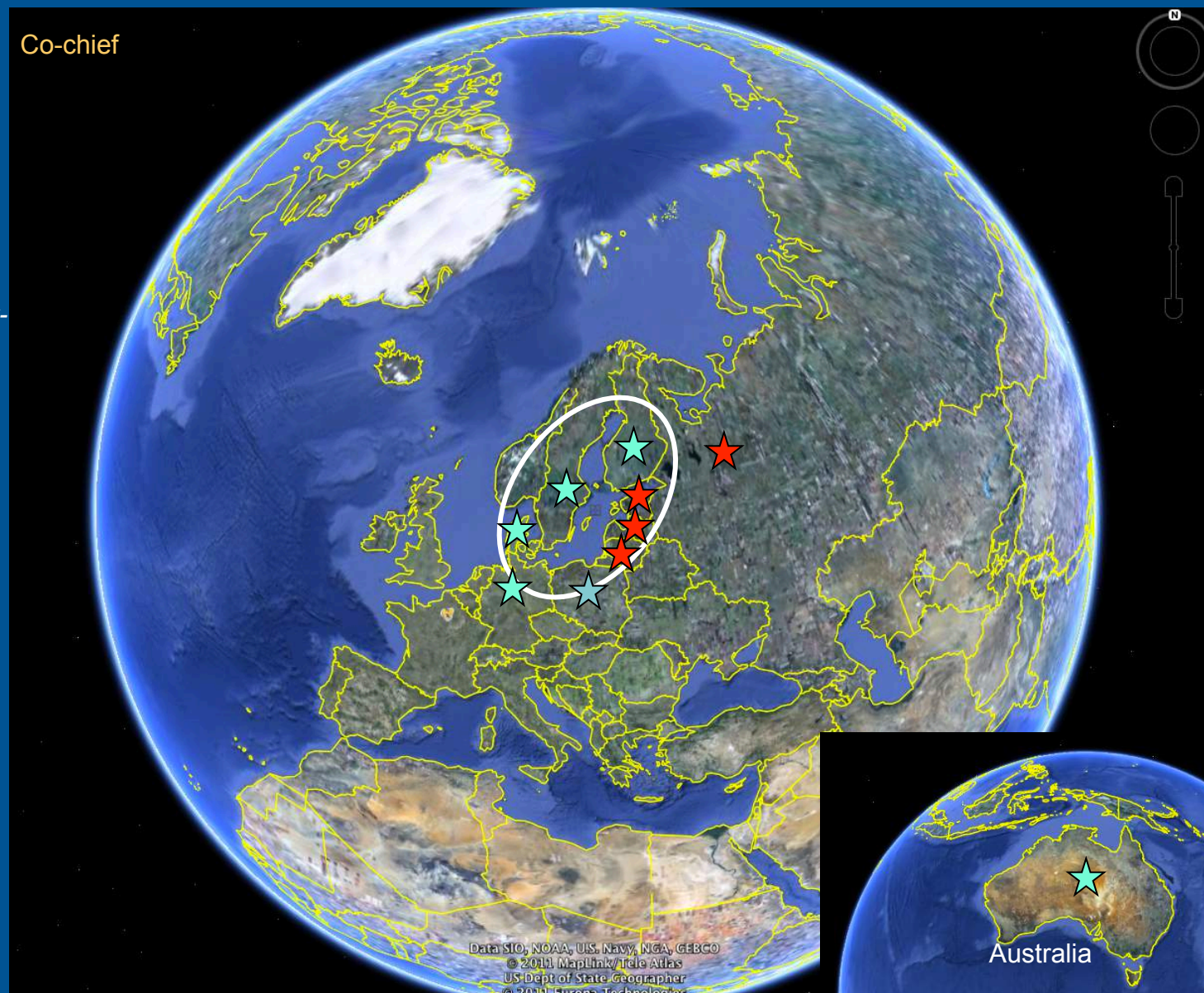
Lithuania
(A. Bitinas)

Poland
(S. Uscinowicz)

Russia
(E. Emelyanov)

Sweden
(S. Björck, M. Jakobsson,
J. B. Jensen)

Co-chief



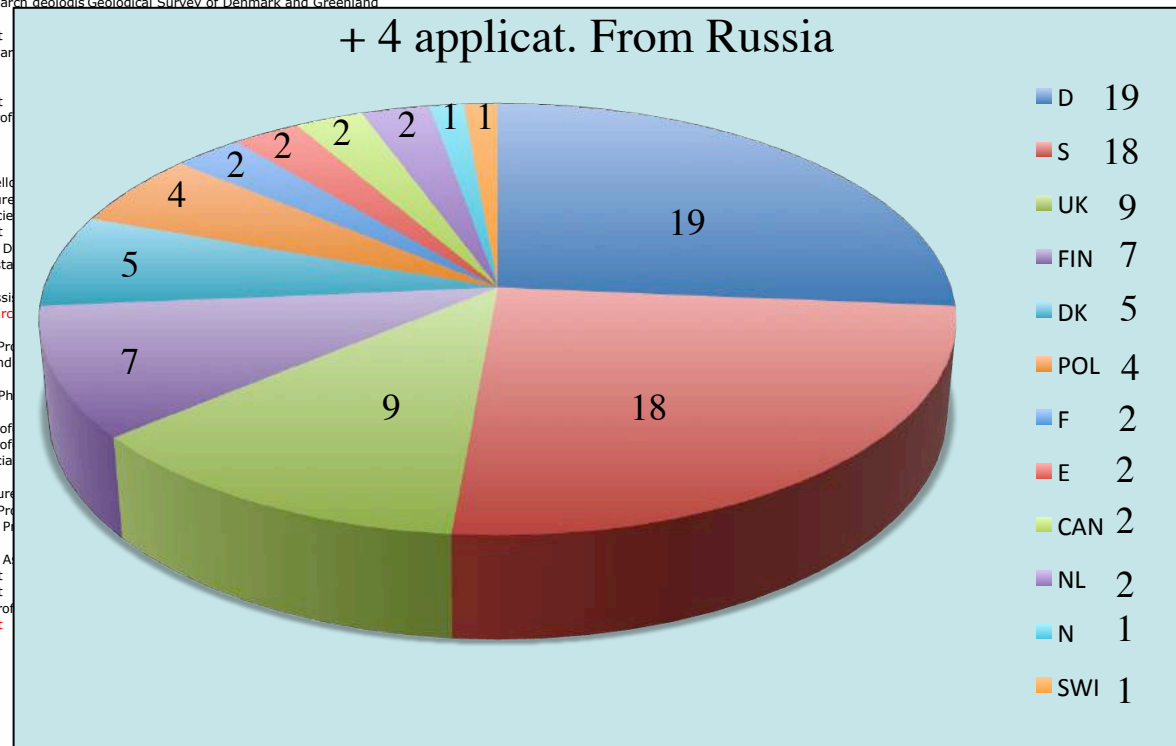
Expedition 347: Baltic Sea Paleoenvironment

Co_Chiefs:
Andren Thomas (Sweden) &
Bo Barker Jørgensen
(Denmark)

76 applications!!!

Staffing
in progress

Candidate	Country	Expertise	Position	Institution
Alexanderson, Helena	Sweden	Sedimentologist	Professor	Lund University
Andrén, Elinor	Sweden	Paleontologist (Sicoflagellate and Diatom)	Senior Lecturer	Södertörn University
Andren, Thomas	Sweden	Sedimentologist, Stratigraphic correlator	Associated Professor	Södertörn University
Arnold, Gail	Germany	Inorganic Geochemist	Research assistant	Max Planck Institute for Marine Microbiology
Arz, Helge	Germany	Inorganic Geochemist, Sedimentologist	Professor	Leibniz Institute for Baltic Sea research Warnemünde
Austin, William	Scotland, UK	Sedimentologist, Paleontologist	Reader	School of Geography and Geosciences, Univ. St Andrews
Barker, Stephen	UK	Stratigraphic correlator	Researcher	
Bashirova, Leyla	Russia	Paleontologist (foraminifer-planktonic)	Junior research fellow	P.P. Shirshov Institute of oceanology of Russian Academic
Bauersachs, Thorsten	Germany	Microbiologist, Organic Geochemist	Assistant Professor	Christian-Albrechts-University
Bennike, Ole	Denmark	Paleontologist (Megafossil)	Senior Researcher	Geological Survey of Denmark and Greenland
Björck, Svante	Sweden	Stratigraphic correlator	Professor	Lund University
Blöthe, Marco	Germany	Microbiologist	Post-doc	Geowissenschaften und Rohstoffe, Hannover
Brumme, Johannes	Germany	Sedimentologist, Structural Geologist	PhD student	Ernst-Maritz- Arndt Universität Greifswald
Brunner, Benjamin	Germany	Inorganic Geochemist	Research assistant	Max Planck Institute for Marine Microbiology
Cragg, Barry	UK	Microbiologist	PDRA	Cardiff University
Dorokhova, Evgenia	Russia	Sedimentologist	Researcher	Atlantic Branch of P.P. Shirshov Institute of oceanology RA
Fanget, Anne-Sophie	France	Physical Properties, Sedimentologist, Stratigraphic	PhD student	University of Perpignan Via Domitia
Filipsson, Helena	Sweden	Paleontologist (Foraminifer Benthic)	Associate Senior Lecturer	Lund University
FitzPatrick, Meriel	UK	Paleontologist, Paleontologist	Lecturer in Earth Science	Plymouth University
Fossing, Henrik	Denmark	Biologist, Microbiologist, Inorganic and Organic	Senior Researcher	Aarhus University
Frenzel, Peter	Germany	Biologist, Sedimentologist, Paleontologist	Lecturer	Institut für Geowissenschaften, Univ. Of Jena
Gallego, David	Spain	Inorganic Geochemist	Post-doc	Instituto Andaluz de Ciencias de la Tierra
Goldhammer, Tobias	Germany	Inorganic Geochemist	Post-doc	MARUM
Granoszewski, Wojciech	Poland	Biologist, Paleontologist, Stratigraphic Correlator	Adjunct	Polish Geological Institute, Carpathian branch
Groeneveld, Jeroen	Germany	Inorganic Geochemist, Paleontologist	Post-doc	Institute Geosciences, Uni Bremen
Gussone, Nikolaus	Germany	Inorganic Geochemist, Sedimentologist	Researcher	Institut für Mineralogie
Head, Martin	Canada	Paleontologist, Stratigraphic correlator	Professor	Brock University
Hytönen, Outi	Finland	Physical Properties, Sedimentologist, Stratigraphic	Professor	University of Helsinki
Immonen, Nina	Finland	Sedimentologist	PhD student	University of Oulu
Jakobsson, Martin	Sweden	Geophysicist, Logging scientist, Physical property	Professor	Stockholm University
Jensen, Jørn	Denmark	Sedimentologist, Seismologist, Stratigraphic correlator	Senior Researcher	Geological Survey of Denmark and Greenland
Kandiano, Evgenia	Germany	Paleontologist (foraminifer-planktonic)	Researcher	
Kaskela, Anu	Finland	Geophysicist, Logging scientist, Physical property	PhD student	
Kaulbarsz, Dorota	Poland	Sedimentologist, Stratigraphic correlator	Senior Researcher	
Kemp, Alan	UK	Sedimentologist	Professor	
Kender, Sev	UK	Paleontologist (foraminifer-planktonic)	Researcher	
Kenzler, Michael	Germany	Petrologist, Sedimentologist, Structural geologist	PhD student	
Kotilainen, Aarno	Finland	Paleomagnetic, Physical Properties, Sedimentologist	Researcher	
Kotthoff, Ulrich	Germany	Paleontologist (Dinoflagellate), Stratigraphic	Post-doc	
Koutsodendrakis, Andreas	Germany	Paleontologist, Sedimentologist	Post-doc	
Kwiecien, Ola	Switzerland	Inorganic Geochemist, Sedimentologist	Post-doc	
Livingstone, Stephen	UK	Geophysicist, Logging scientist, Physical property	Research Fellow	
Ljung, Karl	Sweden	Organic Geochemist, Paleontologist	Junior Lecturer	
Lobo, Francisco	Spain	Geophysicist, Physical Properties, Sedimentologist	Research Scientist	
Lougheed, Bryan	Sweden	Paleomagnetic, Stratigraphic correlator	PhD student	
Lyra, Christina	Finland	Microbiologist	Researcher, D	
Mohnke, Oliver	Germany	Geophysicist, Logging scientist, Physical property	Senior assistant	
Moros, Matthias	Germany	Sedimentologist	Researcher	
Muschitiello, Francesco	Sweden	Paleontologist (Megafossils)	Research assistant	
Napreenko, Tatiana	Russia	Paleontologist	Junior research fellow	
Nordberg, Kjell	Sweden	Paleontologist, paleontologist	Professor	
Peltola, Pasi	Sweden	Inorganic Geochemist	Associated Professor	
Polovodova, Irina	Sweden	Paleontologist (foraminifer-Benthic)	Professor and	
Rajala, Pauliina	Finland	Microbiologist	Researcher	
Rinterknecht, Vincent	UK	Logging Scientist, Sedimentologist, Stratigraphic Correlator	Lecturer in Ph	
Risebrobakken, Bjørn	Norway	Organic Geochemist	Researcher	
Rowe, Owen	Sweden	Microbiologist	Assistant Prof	
Sangiorgi, Francesca	Netherlands	Paleontologist and Dinoflagellates	Assistant Prof	
Seidenkrantz, Marit-Solveig	Denmark	Inorganic Geochemist, Sedimentologist, Paleontologist	Chair, Associa	
Simon, Margit	UK	Paleontologist (foraminifer:Benthic and Plankton)	Researcher	
Sjoling, Sara	Sweden	Microbiologist	Senior Lecturer	
Slopp, Caroline	Netherlands	Inorganic Geochemist	Associated Prof	
Snowball, Ian	Sweden	Geophysicist, Paleomagnetist	Researcher, P	
Stanton, Tania	Sweden	Geophysicist, Paleomagnetist	Researcher	
Teichert, Barbara	Germany	Inorganic Geochemist, Sedimentologist	Researcher, A	
Torti, Andrea	Denmark	Microbiologist	PhD student	
Toth, Zsuzsanna	Germany	Geophysicist, Physical properties	PhD student	
Tudryn, Alina	France	Geophysicist, Paleomagnetist	Associate Prof	
Ulyanova, Marina	Russia	Sedimentologist	PhD student	
Uscinowicz, Grzegorz	Poland	Sedimentologist	Researcher	
Van Nieuwenhove, Nicolas	Canada	Paleontologist, Paleontologist	PhD	
Vandieken, Verona	Germany	Microbiologist	Post Doc	
Virtasalo, Joonas	Finland	Inorganic Geochemist, Sedimentologist, Stratigraphic	Researcher	
Willumsen, Pi Suhr	Sweden	Paleontologist (Phytoplankton) , Paleontologist	Researcher	
Witkowski, Andrzej	Poland	Paleontologist (Phytoplankton and Diatom)	Professor	
Wohlfarth, Barbara	Sweden	Sedimentologist	Professor	



Quota including FY12 contributions

(ESSAC May 2012)

MAM Shimc Nantrc MOW LessAl S-Alas NewFc JFAST CRISP S. Alaska

Exp 336	Exp 337	Exp 338	Exp 339	Exp 340	Exp 341	Exp 342	Exp 343	Exp 344	Exp 345	Total berths so far	Member	NEW Financial Contribn	NEW Entitlement	ALLOC	Co-chief
3		1	2	5	2	2	1	2	3	81	France	25.6%	89.6	-8.6	7
1	4	3	1	1	2	2	2	3	2	93	Germany	26.1%	91.3	1.7	6
1	2	2	2	3	2	3	2	1	2	87	UK	25.6%	89.5	-2.5	6
5	6	6	5	9	6	7	5	6	7	261	Sum	77.3%	270.4	-9.4	
	1		1					1		3	Austria	0.5%	1.8	1.2	
										1	Belgium	0.2%	0.5	0.5	
					1		2		1	11	Canada	1.7%	6.1	4.9	2
1	1									8	Denmark	1.9%	6.6	1.4	
										2	Finland	0.4%	1.3	0.7	
										0	Iceland	0.1%	0.5	-0.5	
										1	Ireland	0.7%	2.4	-1.4	
							1			10	Italy	1.1%	3.7	6.3	2
			1							7	The Netherlands	1.9%	6.5	0.5	1
1					1				1	11	Norway	5.1%	17.7	-6.7	
										0	Poland	0.0%	0.1	-0.1	
			1							4	Portugal	0.5%	1.8	2.2	
		1	2		1					13	Spain	3.0%	10.6	2.4	2
						1				8	Sweden	3.2%	11.1	-3.1	1
		1						1		10	Switzerland	2.6%	9.0	1.0	1
2	2	2	5	0	3	1	3	2	2	89	Sum	22.7%	79.6	9.4	
7	8	8	10	9	9	8	8	8	9	350	Total ECORD		350	0.0	

Ger Ger CH JK, ES F UK CAN

Changes in SAS panels

ECORD Memberships in New SAS

Science Implementation and Policy Committee (SIPCOM)

Javier Escartin	France (- Oct 13)	Ruediger Stein	Germany (- Oct 13)
Paul Wilson	UK (- Oct 14)	*Jan de Leeuw	The Netherlands (- Oct 13)
* Chairman			

Proposal Evaluation Panel (PEP)

*Dick Kroon	UK (-Oct 13)		
M. Moulin	Portugal (- May 14)	M. Strasser	Switzerland (- May 14)
S. Robinson	UK (May12- Dec14)	L. McNeill	(- Dec 15)
J. Geldmacher	Germany (- May 15)	V. Heuer	Germany (- Dec 15)
Nabil Sultan	France (- May 14)	Adelie Delacour	France (- May 14)
* Chairman			

ECORD Memberships in New SAS

Site Characterisation Panel (SCP)

Gilles Lericolais France (- Nov13)

*Gabi Uenzelmann Germany (- Nov12/-
August 13)

Mads Huuse UK (- Dic 15)

Dave Mosher CND (- Dic 15)

Environment Protection and Safety Panel (EPSP)

Martin Hovland Norway (Sep 10 -)

Bramley Murton UK (Sep 10 -)

Philippe Lapointe France (Dec 06 -)

Dieter Strack Germany (Dec 03 -)

Scientific Technology Panel (STP)

Nathalie Vigier France (- Feb 13)

Stefan Kutterolf Germany (- Feb 14)

Cedric John UK (- Feb 14)

*Douglas Schmitt Canada (- Aug 12)

New members

* Will be substituted by S. Krastel after Summer-13 meeting

*Vice-Chair, will continue as chair



ESSAC Report: Budget FY 13 & ESSAC E&O Activities

ESSAC REQUESTED BUDGET FOR FY13

September 30 th, 2012 - October 1st, 2013

REQUESTED BUDGET FY 12	Budget FY13	Budget FY12	Budget FY 11	Budget FY 10
Salaries				
Science coordinator's salary (12 months)	48,000.00 €	48,000.00 €	57,600.00 €	57,600.00 €
Travel and subsistence costs				
Science Coordinator	5,000.00 €	5,000.00 €	5,000.00 €	5,000.00 €
Chair	11,000.00 €	11,000.00 €	11,000.00 €	11,000.00 €
Office costs				
General office costs	14,000.00 €	14,000.00 €	12,000.00 €	13,500.00 €
Meetings				
ESSAC October meeting 1	2,000.00 €	1,500.00 €	1,500.00 €	1,500.00 €
ESSAC May meeting 1	2,000.00 €	1,500.00 €	1,500.00 €	1,500.00 €
Travel support for speakers invited at ESSAC meetings 2	3,000.00 €	4,000.00 €	2,000.00 €	4,000.00 €
Additional Council activities				
Support for the ECORD Distinguished Lecturer Programme	18,000.00 €	18,000.00 €	18,000.00 €	18,000.00 €
Workshop scientist support 3	5,000.00 €	5,000.00 €	(Money left from FY10)	5,000.00 €
Summer Schools support	20,000.00 €	20,000.00 €	20,000.00 €	20,000.00 €
Summer school students	15,000.00 €	15,000.00 €	15,000.00 €	15,000.00 €
Conference travel support 4	3,000.00 €	5,000.00 €	3,000.00 €	5,000.00 €
ECORD Grants	15,000.00 €	10,000.00 €	10,000.00 €	10,000.00 €
	161,000.00 €	158,000.00 €	156,600.00 €	167,100.00 €
Overheads 5	17,000.00 €			
TOTL ECORD CONTRIBUTION	178,000.00 €			

1 Support for ESSAC meetings

2 Carry over FY12 - Expedition reports, proposal presentations, workshop reports etc.

3 Support for 'over-quota' participation of ECORD scientists at IODP-MI workshops and PPG (SW Pac in Sydney)

4 Travel support for keynote and invited speakers at the ECORD EGU Session Vienna

5 Overheads are not applied to Sci Coordinator salary. The rest of the budget is subject to 23.6% overhead, implying about 27000€.

We have negotiated a reduction to this amount.

- Increased budget for ECORD Grants: FY12:10,000 to FY13: 15,000 €
- Workshop scientists support FY13: 5,000€

Need to do a better job advertising this funding possibility – maybe in the Magellan Plus call?

- Short course USSSP is sponsoring on shipboard sedimentology, to provide pre-cruise training on sedimentology data collection, integration, and synthesis.
 - No charge for scientists to attend, but unfortunately we only have travel funding for U.S. participants.

Comprehensive shipboard core description and data integration in the sedimentology lab during IODP expeditions provides a fundamental framework for the science party as they work toward the expedition objectives. It is primarily during this shipboard time that the cores are systematically described and sampled, and the characteristics of the stratigraphy resolved and integrated with paleontological, paleomagnetic, physical property, geochemical, and seismic reflection data sets. This work provides the science team with a record of what the cores contain; where there are interesting occurrences and transitions in primary composition, diagenetic mineralization, deformation and biostratigraphic data; and the timescale over which these changes occur.

This short course on shipboard sedimentology will cover marine sedimentary processes and products, smear slide and coarse fraction petrography, core logging and synthesis into DescLogik, and integration of sedimentology data with physical property, biostratigraphy, and geochemistry data.

The course will take place **October 1-4, 2012** at the IODP Gulf Coast Repository in College Station, Texas. Travel support is available, but space is limited. Graduate students, post-docs, and professionals that will or are planning to sail on future IODP expeditions are particularly encouraged to apply. Participants may include sedimentologists, paleontologists, paleomagnetic scientists, geochemists, structural geologists, and physical property scientists.

To apply, send your contact information, a two-page CV, and a brief statement of interest to Charna Meth at the U.S. Science Support Program (cmeth@oceanleadership.org). For questions concerning course content, please contact Joel Johnson at the University of New Hampshire (joel.johnson@unh.edu).

Workshops and Meetings

Observatories in Scientific Ocean Drilling --- Hosted by USSSP and IODP-MI, 10-11 September 2012

Southwest Pacific Ocean IODP Workshop --- Hosted by IODP-MI and ANZIC, Sydney University, Australia, 9-12 October, 2012

MagellaPlus

Records of Geohazards and Monsoonal Changes in the Northern Bay of Bengal - Preparation of an IODP Drilling Proposal

Drilling an active hydrothermal system of a submarine intraoceanic arc volcano

Camerlenghi et al.: Deep-sea Record of Mediterranean Messinian events (DREAM) (IODP)

Robinson et al.: Advancing our Understanding of Cretaceous Ocean Dynamics by Scientific Drilling (IODP and ICDP)

JAMSTEC-IODP

“CHIKYU+10” international planning workshop, April 21-23, 2013 in Tokyo, Japan.

The purpose of the workshop is to engage the international community in a discussion of potential future scientific missions using the deep-sea drilling vessel (D/V) *Chikyu* within the context of the new *Illuminating Earth's Past, Present, and Future: The International Ocean Discovery Program Science Plan for 2013-2023* and the post-2013 framework for scientific ocean drilling platform provision and international collaboration. Workshop outcomes will be considered by JAMSTEC in long-range planning for *Chikyu* operations.

Meeting goals, themes, format, and the application process for participation will be widely publicized following a Steering Committee meeting later this year. Early inquiries can be sent to chikyu10@iodp.org

Mike Coffin, CHIKYU+10 Steering Committee Chair

Kiyoshi Suyehiro, President, IODP Management International



International Meetings: EGU 2013

Vision Task Force

1st meeting in Helsinki, 4 June 2012

The Vision Task Force

✓ Composition :

EMA : Director and Assistant Director ;

ESO : Chair and Outreach Manager ;

ESSAC Chair * ;

ECORD ILP Chair ;

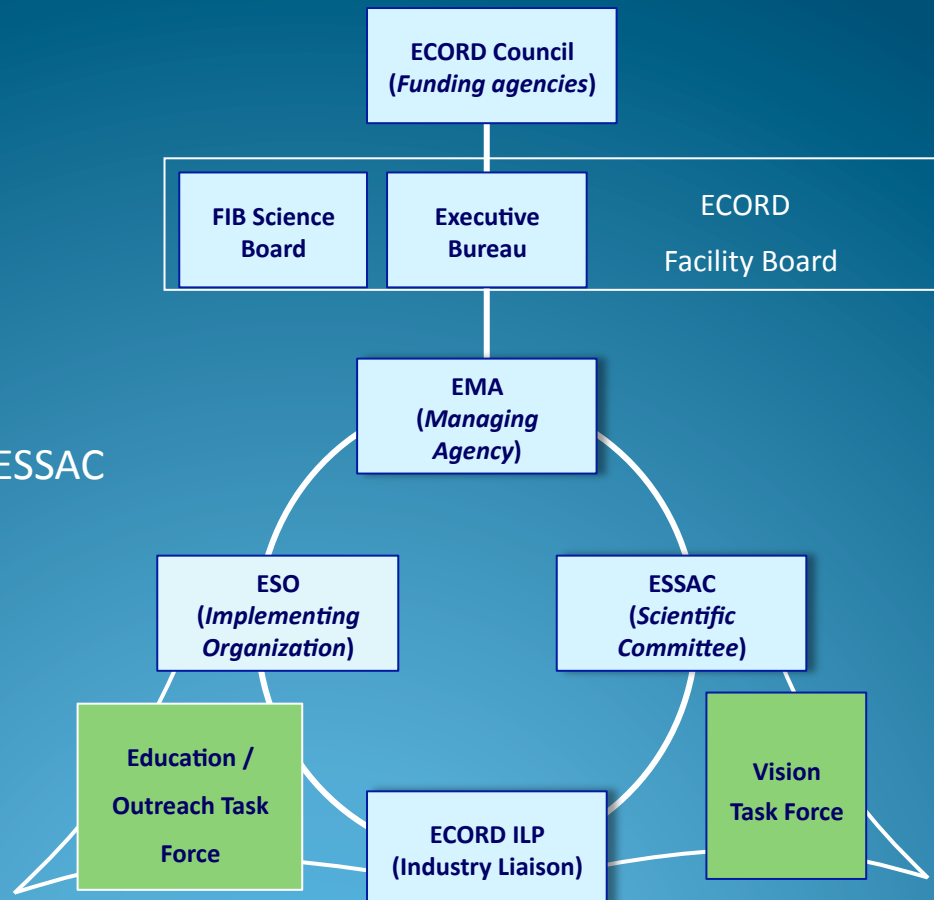
Guests as appropriate.

* *VTF Chair*

✓ Meetings :

- Organised by EMA ;

- Twice a year, prior to the meetings of the ECORD Council.



✓ Reporting : ECORD Council / ESSAC

The Vision Task Force

Potential new ECORD members (G. Camoin, A. Stevenson, R. Gatliff)

Russia, Estonia, Lithuania, Turkey

- 1) Establish contacts
- 2) IODP-days
- 3) Incentive gestures (grants, scholarships, observers...)

Approach UNESCO for funding to allow emerging countries to send scientists on missions without the countries having to join IODP/ECORD (R. Gatliff)

EMA to identify programs within UNESCO/UN bodies/EC to build communities

Also discussed the possibility that ECORD members request representatives from EMA-ESO-ESSAC to participate in community IODP-days and/or Ministry/Agency Presentations

The Vision Task Force

Deep Drilling in European waters workshop (C. Escutia)

Promoting workshops for deep drilling projects with ECORD interests

Challenges of educating proponents on the technological, operational, economic aspects of riser drilling

Need of projects with industry interest // technology development for deep drilling also is of importance to the EC Research Infrastructures

GOLD proposal in the system + MagellanPlus DREAM workshop coming up in 2013.

Also discussed the need to have a good view on what ECORD science (not just for Deep Drilling) is now in PEP



USIO Expeditions

EXPEDITION USIO	#	Dates	Status	ECORD Staffing
Staffing				
Paleogene Newfoundland Sediment Drifts	342	Jun 2-Aug 1 2012	Completed	8 ECORD: 3 UK, 2F, 2D, 1 S 1 Co-Chief: P. Wilson (UK)
Costa Rica Seismogenesis Project 2 (CRISP)	344	Oct. 23-Dec 11 2012	Completed	9 ECORD: 3D; 1F; 1UK; 1 AU; 1SWI; 1 non quota (ES)
Hess Deep Plutonic Crust	345	Dec 12-Feb 10 2013	Completed	9 ECORD: 2D, 3F, 2UK, 1N 1 Co-hief (Canada)
Southern Alaska Margin Tectonics, Climate & Sedimentation	341	May 29-Jul. 29 2013	Completed	*9 ECORD: 2D, 1F, 2UK, 1N, 1 CAN, 1E
Asian Monsoon	346	Aug.20-Sept. 28 2013	Call Issued ranking to TAMU 25 Sept	

* Staffing handled by the previous ESSAC Office

8th ESSAC Meeting, Aarhus Denmark, 31 May - 1 June, 2012

CDEX Expeditions

EXPEDITION CDEX	#	Dates	Status Staffing	ECORD Staffing
Japan Trench Fast Drilling Project	343	Apr. 1-May 24 2012	Completed	8 ECORD: 2 D, 1 F, 2 UK, 1 It, 2 CAN
Deep Coalbed Biosphere off Shimokita	337	July 25-Sept 30 2012	Completed	9 ECORD: 4 D, 2 UK, 1 AUS, 1 DK, 1 no flag (UK) 1 Co-chief Germany
NanTroSEIZE Plate Boundary Deep Riser – 2	338	1 Oct-Jan 13 2013	Completed	8 ECORD: 3D, 1 F, 2 UK, 1 SWI, 1 E 1 Co-chief Switzerland

MSP Expeditions

EXPEDITION MSP	#	Dates	Status Staffing	ECORD Staffing
Baltic Sea Paleoenvironment	347	Ship: Spring/Summer 2013 Onshore: Fall 2013	Ranking in progress	

18th ESSAC Meeting, Aarhus Denmark, 31 May - 1 June, 2012

CDEX: Japan Trench Fast Drilling (343) 1 April-24 May

Expeditions	#	Dates	Daily Reports	Images
CDEX				
Deep Coalbed Biosphere off Shimokita	337	6 July—15 Sept. 2012		
NanTroSEIZE Plate Boundary Deep Riser - 2	338	19 Sept. 2012—31 Jan. 2013		
Exp. 338 Fact Sheet				

Exact dates subject to change

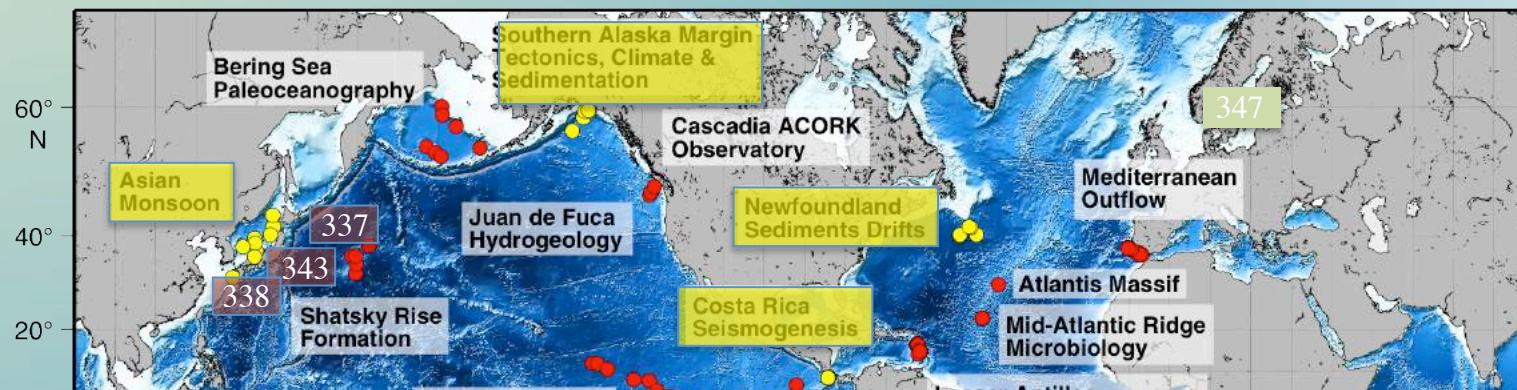
Expeditions	#	Dates	Daily Reports	Images
ESO				
Baltic Sea Paleoenvironment	347	Spring/Summer 2013	Ranking	ongoing

ECORD Co-chiefs

Kai-Uwe Hinrichs

M. Strasser

T. Andren + B. Barker



Schedule change due to the extreme need for a temperature monitoring system installation

Exp. 343T: 5 July - 26 July 2012 (including transit)

Exp. 337: 25 July – 30 September

Exp. 338: 1 October 2012 – 13 January 2013

