

**20th Meeting of the
ECORD Science Support & Advisory Committee
ESSAC**

MINUTES
June 3-5, 2013, Gdansk, Poland



Table of contents

List of participants

1. Introduction	1
1.1 Call to order, introductions	
1.2 Welcome and meeting logistics	
1.3 Approval of the agenda and approval of the Perpignan ESSAC 19 th meeting minutes	
1.4 Review of 19 th ESSAC meeting actions & ESSAC Office News	
2. IODP News	2
2.1 JOIDES Resolution Facility Board (TBD)	
2.2 PEP, SIPCOM and OTF Report	7
3. ECORD News	17
3.1 EMA and ECORD Council Report	
3.2 ECORD Facility Board	23
3.3 ECORD Vision Task Force (VTF)	27
3.4 ECORD Industry Liaison Panel	30
3.5 ESO-EMA-ESSAC Outreach Task Force & ECORD publications	31
3.6 Standard measurements and sample/data policies in the new IODP	35
3.7 ESSAC representatives and National Office reports	38
4. ECORD highlights	40
4.1 Kai-Uwe Hinrichs. Preliminary results from Expedition 337: Deep Coalbed Biosphere off Shimokita	
5. Breakout sessions	40
5.1 Introductions	
5.2 Breakout sessions ESSAC Nomination and Staffing / Education and Outreach / AD-HOC Working Group	41
6. ECORD highlights:	41
6.1 DLP Lecturer Roger Urgeles: Submarine landslides and derived tsunamis, new challenges for the IODP	
7. Nominations and Staffing	41
7.1 Staffing	
7.1.1 Ranking procedures, quotas and statistics	
7.1.2 Updates on expedition staffing and applications: Asian Monsoon (346), Baltic Sea Paleoenvironment (347), NanTroSEIZE Plate Boundary Deep Riser (348), South China Sea (349), Izu Bonin Mariana (350, 351 & 352).	
7.2 ESO	46
7.3 Updates on SAS panels	48
7.4 N&S Subcommittee report, discussion and future actions	49

8. Education and Outreach	49
8.1 Summer Schools 2013 update	
8.1.1 USSP: The Urbino Summer School in Paleoclimatology: Past Global Change Reconstruction and Modeling Techniques, 10-30 July 2013	
8.1.2 ECORD Summer School on Deep-Sea sediments from stratigraphy to age models, MARUM, Bremen, 9-20 September 2013	50
8.2 ECORD Scholarships 2013, and ECORD Research Grants 2013	52
8.3 ECORD Summer Schools 2014	54
8.4 Distinguished Lecturer Programme 2013-2014	
8.5 E&O Subcommittee report, discussion and future actions	55
9. Workshops, communication and vision	56
9.1 Magellan Plus Programme updates and new ToR	
9.2 Exploring the Cretaceous Greenhouse through Scientific Drilling April, 15-17, 2013, London, UK (TBD)	58
9.3 Deep-sea Record of Mediterranean Messinian Events (DREAM) May, 5-8, 2013, Brisighella (Ravenna), Italy	60
9.4 Upcoming workshop ISOLAT	61
9.5 Chikyu +10 workshop	
9.6 EGU Session 2013 and beyond	63
10. Review of consensus, motions and actions	64
11. Next ESSAC meeting	64
12. Any Other Business	64

List of Participants

ESSAC Office

Carlota Escutia (Chair)	ESSAC Delegate Spain
Julia Gutiérrez-Pastor	ESSAC Science Coordinator

ESSAC Representatives

Serge Berné	ESSAC Delegate France
Lucas Lourens	ESSAC Delegate Netherlands
Kenneth Mertens	ESSAC Alternate Belgium
Xavier Monteys	ESSAC Delegate Ireland
Werner Piller	ESSAC Delegate Austria
Marco Sacchi	ECORD Council Italy
Marit Solveig Seidenkrantz	ESSAC Delegate Denmark
Ian Snowball	ESSAC Delegate Sweden
Ruediger Stein	ESSAC Delegate Germany
Kari Strand	ESSAC Delegate Finland
Szymon Uscinowicz	ESSAC Delegate Poland
Antje Voelker	ESSAC Delegate Portugal
Bridget Wade	ESSAC Delegate UK
Dominique Weis	ESSAC Delegate Canada

Observers/Guests

Milena Borissova	EMA
Jochen Erbacher	ESSAC Alternate Germany
Patricia Maruéjol	EMA
Piotr Przedziecki	ESSAC Alternate Poland
Andrzej Przybycin	ECORD council Alternate Poland
Ulla Roehl	Curation and Laboratory Manager, MARUM
Alan Stevenson	ESO

Apologies

Bryndis Brandsdóttir	ESSAC Delegate Iceland
Gilbert Camoin	EMA
Gretchen Früh-Green	ESSAC Delegate Switzerland
Markus Kienast	ESSAC Alternate Canada
Kikki F. Kleiven	ESSAC Delegate Norway
Cesar Ranero	ESSAC Alternate Spain
David Van Rooij	ESSAC Delegate Belgium
Nicolas Waldman	Representative of Israel

1. Introduction

1.1 Call to order, introductions

C. Escutia welcomed all ESSAC delegates, observers and invited guests to the 20th ESSAC Meeting in Gdansk, Poland. She thanked S. Uscinowicz for the organization and logistics of the meeting and the fieldtrip. She welcomed new members and congratulated Gretchen Frueh-Green elected to be the next ESSAC Chair.

The ESSAC meeting started with the self-presentation of each participant.

1.2 Welcome and Meeting Logistics

S. Uscinowicz welcomed all participants and provided information about the meeting logistics.

1.3 Discussion and approval of the Agenda and 19th Minutes

C. Escutia summarized the current agenda, reviewed goals of the meeting, and asked the ESSAC Delegates if there needed to be any changes to the agenda. The ESSAC Delegates denied and approved the agenda.

S. Berné provided some comments to the 19th Minutes in a file to be added by J. Gutierrez Pastor.

No other comments were provided and the ESSAC Delegates approved the minutes of the ESSAC 19th meeting in Perpignan.

ESSAC CONSENSUS 1306-01: approves the agenda for its twentieth meeting, 3-4 June, in Gdansk, Poland
--

ESSAC CONSENSUS 1306-02: ESSAC approves the minutes of the 24-26 October 2012 meeting held in Perpignan, France.

1.4 Items since the 19th ESSAC Meeting and ESSAC Office news

J. Gutierrez Pastor presented items since the last ESSAC meeting. The list below contains the actions items, which arose at the 19th ESSAC meeting in Perpignan. Action items that were accomplished by the ESSAC Office since then were labelled as “Done”. Action items not fulfilled yet, were labelled “in progress”.

> **ESSAC Action Item 1210-01:** ESSAC will circulate among Delegates the 2 European infrastructure proposals submitted by EMA and the DS3F. **Done**

> **ESSAC Action Item 1210-03:** ESSAC Office to separate in ranking spreadsheets senior from “early career” scientists. **Done**

> **ESSAC Action Item 1210-04:** ESSAC Office to issue a call for small countries membership on the PEP. The call will target all countries excluding Switzerland and Canada. **Done**

> **ESSAC Action Item 1210-05:** ESSAC Office to circulate among Delegates the drafts of the ECORD MoU, which includes the ToR for the other ECORD bodies. **Done**

> **ESSAC Action Item 1210-06:** ESSAC Office to circulate among Delegates a draft of the ESSAC ToR discussed in their 24-26 October meeting for final consideration in the context of the ToRs from other ECORD bodies. After an email revision and approval the ESSAC ToR will be forwarded to EMA. **Done**

> **ESSAC Action Item 1210-07:** ESSAC Office to issue a call for ECORD Scholarships to participate in the ECORD Summer Schools FY13. **Done**

> **ESSAC Action Item 1210-08:** ESSAC Office to issue a call for ECORD Summer Schools in FY14. **Done**

> **ESSAC Action Item 1210-09:** ESSAC Office to contact the Urbino Summer School to ask when possible to include teachers from other ECORD countries. **Done**

> **ESSAC Action Item 1210-10:** ESSAC Office to issue a call for ECORD Grants FY13. **Done**

> **ESSAC Action Item 1210-11:** The ESSAC Office will contact Roger Urgeles, Olivier Rouxel, Anne Le Friant and Michele Rebesco, as DLPs. If no DLPs are identified, then ESSAC Office will invite José Abel Flores to be the DLP. **Done**

> **ESSAC Action Item 1210-12:** ESSAC Office to issue a call for institutions to host the DLP in FY13. **Done**

J. Gutierrez Pastor asked all participants for comments or questions.

J. Gutierrez Pastor summarized the activities of the ESSAC Office since the ESSAC 19th meeting (i.e., Expedition calls, outreach and education, Publications, ESSAC participation in meetings, etc)

J. Gutierrez Pastor congratulated Gretchen Frueh-Green on being elected as the next ESSAC Chair in Switzerland.

2. IODP News

2.1 JOIDES Resolution Facility Board

C. Escutia gave a summary of the JRFB that took place in Arlington, VA, in March 18-20, 2013.

Architecture of the new IODP

ToR for the international advisory panels are dedicated to the needs of the JOIDES Resolution (JR) management and facilities, but the advisory panels are available for other FBs to use for their respective programs. The advisory panel activities will be funded through the Support Office budget by the *JOIDES Resolution* consortium.

A panel was convened to make recommendations for the next operator of the JR and the Science Support Office, but NSF has not yet made a selection for either award.

Mandate/ToR*

- Annual scheduling and long-term regional planning
- Approval of annual FB Plan developed by the US operator
(JR schedule, pubs, data management, core curation, technical science development)

-
- Approval of support office plan oversight of FB advisory panels
 - Develop and monitor FB policies
 - *Monitor progress relative to the Science Plan*
 - *JRFB will also implement a mechanism to maintain communications with, and receive feedback from, other FBs regarding the effectiveness of the panels in meeting their needs.*
 - *Scientist nomination/application process will be run by the U.S. Science Support Program (USSSP). The JRFB would then have final approval of new members.*

* Approval of ToR now being revised by chair of JRFB in August 13

Advisory Panels

PEP:

Current ToR include too much implementation rather than policy. In particular, detailing the workings of PEP through sub-panels will be stricken in order to allow the Panel to be flexible in its operations according to the needs at each meeting.

In terms of membership, PEP must strive for a balance of expertise across all areas of the Science Plan.

Chair should be nominated by members of the PEP and that nomination forwarded to JRFB for approval **instead of the current independent search committee.**

EPSP:

The COI policy needs to be revised to account for the EPSP not following the COI policy, common to all advisory panels, because it requires the proponents to participate in the discussion of their proposal

SCP-PEP Interactions:

With proposals moving directly from PEP to JRFB the status of site survey data will need to be considered during the PEP decision process. This requires **close coordination between SCP and PEP to avoid proposals reaching the JRFB that cannot be drilled** due to the status of the site survey requirements.

There has been discussion of merging the two panels.

In June, the two panels **will** meet in the same geographic location with a day's **overlap for a joint meeting.**

While there are questions relating to required expertise on each panel, and the workload change for a merged panel, the **Chairs of PEP and SCP will review the consequences of such a merger**

after the June meeting, and recommend either a merger or a joint meeting plan at the next JRFB meeting.

C. Escutia opens a discussion regarding ESSAC's opinion about the merging of the PEP & SCP Panels. There is an agreement within ESSAC Delegates that the two panels working together will be beneficial for communications between the panels and the proponents. Serge Berné mentions that it is important to keep the expertise in the SCP panel.

ESSAC CONSENSUS 1306-03: Endorses the development of close coordination between PEP and the SCP in the evaluation of the proposals before they are forwarded from PEP to the platform operators. If a merge between the panels is considered ESSAC strongly encourages that the required expertise on each panel is well represented in the merged panel.

Procedures & Guidelines for JR Expeditions

Staffing Procedures:

Staffing of the JR will **continue with the current process of nominations from PMO for scientists to participate in each expedition**

Co-Chief Scientist nominations will be **provided by PEP** initially to IODP-MI (until Sept.13) and thereafter to the JR Operator. **Nominations from the PMOs** for Co-Chief Scientists will be **requested by IODP-MI** (until Sept. 13) and, thereafter directly **by the JR Operator**.

An effort will be made to balance international representation at all levels.

ESSAC CONSENSUS 1306-04: Advises that the nominations for co-chief scientists are provided by PEP and approved by the Implementation Programs Facility Boards.

Standard Measurements:

The JRFB discussed the possibility of **developing a set of standard measurements across drilling platforms** based on needs for post-cruise sampling, risk of loss of ephemeral data, cruise comparison, downhole measurements and the potential audiences for the data from such standard measurement. A subgroup (M. Malone, R. Murray, H. Palike, C. Yeats) was created to develop a set of basic measurements and options for discussion at the next JRFB meeting. This will be shared with the other FBs to try to standardize across platforms within the resources available to the operators.

C. Escutia encourages a discussion within ESSAC on this issue, Core Curation and Data Management and Publishing after U. Roehl's presentation

EPSP Safety Review Guidelines:

The FB had significant discussion on cruise plan contingencies and the benefits inherent in targeting Sites of Opportunity when initial drilling plans fail. The FB considered having proponents develop well-defined secondary plans in their Full Proposals, with special consideration of promoting nearby sites as alternatives.

Core Curation (more in U. Roehl Presentation)

The JRFB needs advice from the core curators regarding curatorial procedures. It was generally agreed that a standard procedure for requests for samples taken with all platforms is desirable. The JRFB determined that the best approach would be for all three Facility Boards to request a from the core curators a proposed plan for standardizing curatorial procedures. The proposal created by the core curators must include budgetary information and prioritized activities.

Data Management & Publishing Criteria (more in U. Roehl Presentation)

To be discussed in August 2013 meeting

Overview for proposal Readiness

The PEP Chair gave a presentation of the science objectives of the JR proposals that have been brought forward to the JRFB for scheduling, as well as their site survey status.

This included:

Proposal 505: Mariana Convergent Margin

Proposal 552: Bengal Fan

Proposal 567: Paleogene South Pacific Transect

APL 693: South Chamorra Seamount

Proposal 732: Sediment Drifts off the Antarctic Peninsula

Proposal 770: Kanto Asperity Project

Proposal 778: Tanzania Offshore Paleoclimate

Proposal 781: Hikurangi Subduction Zone, New Zealand

Proposal 793 CPP: Arabian Sea

Proposal 795: Indian Monsoon Rainfall

Proposal 800: Nature of the Lower Crust and Moho

Proposal 807: Indonesian Throughflow

Two others were also mentioned as important to longer term planning:

Proposal 702: Agulhas Current (needs reconsideration of site locations and review by SCP)

Proposal 704: Sumatra Subduction Zone (proposal needs further revision).

Overview of JR Operations & Costs

D. Divins provided a history of JR operations and costs. On an annual basis since 2004, time spent on site has varied between 72 and 190 days, with transit time ranging from 34 to 93 days.

The average cost to add an expedition is ~\$2.5M, although costs vary widely depending on the complexity of the cruise. The average cost to add a CORK is ~\$1M.

The FY'13 average operating day rate is \$86K, which results in an annual day rate cost of \$30.9M.

In FY'14 some savings on the day rate (~\$14K) will be realized as the day rate decreases due to completion of payments to the ship owner for the JR upgrade.

This will provide an annual savings of ~\$5.25M and a total annual day rate costs of ~\$25.7M.

Options for, and Development of, an FY'15 Schedule

M. Malone provided several options for an FY'15 schedule. The ship will end FY'14 at IBM in the western Pacific. Three options were presented for consideration, all of which

Included:

- Indian Monsoon (795),
- Bengal Fan (552) and
- Arabian Sea (793)

and only varied in the fourth cruise.

Based on discussions taking into account the **status of the site survey data** available, the **feasibility of proposals that included observatories, weather windows, transit times, and the positioning of the ship for FY'16**, the JRFB recommended that

- Indonesian Flow through (807) be the fourth project

Overview of JR Proposals at PEP

Taking into consideration current and anticipated proposal pressure, the JRFB considers that **the JOIDES Resolution is likely to remain in the eastern Indian and western and south western Pacific oceans through 2016 and 2017, followed by a likely track across the southern Pacific Ocean, with an opportunity for drilling in the southern and central Atlantic Ocean in 2018 and 2019.**

The JRFB noted there are three projects in the western Indian Ocean waiting for scheduling (Tanzania - 778, Atlantis Bank - 800, and Agulhas Current - 704), although one of them (Tanzania - 778) is in a piracy area that has seen some improvement.

Hence, **a detour into the western Indian Ocean is likely when the ship is in the Southern Atlantic.**

While providing general guidance to the community, **this anticipated long-term ship track will be reviewed every year to ensure efficient scheduling of projects** ready for drilling and achievement of the challenges laid out in the Science Plan.

The JRFB agreed to **encourage the community** to begin **planning workshops to develop drilling proposals for the Atlantic**.

Other JR Issues

Expedition Length:

The JRFB agreed to **allow** proponents to propose **projects of flexible time lengths**.

Shorter projects **will fit well within the new regional scheduling model of the JR** and allow the ship operator to create an efficient expedition schedule by packaging two of three smaller projects into a two-month expedition time slot.

This change will require that proponents develop a drilling strategy that justifies the requested length of the project.

This change will be advertised and written into the proposal submission guidelines.

2.2 Report of PEP, SIPCOM and OTF Meetings

R. Stein presented a summary of the PEP (Kyoto 10-12 December 2012), SIPCOM (Edinburgh 22-23 January 2013) and OTF meetings (minutes from these meetings were provided by R. Stein and added as an annex to the ESSAC 20th meeting Agenda Book).

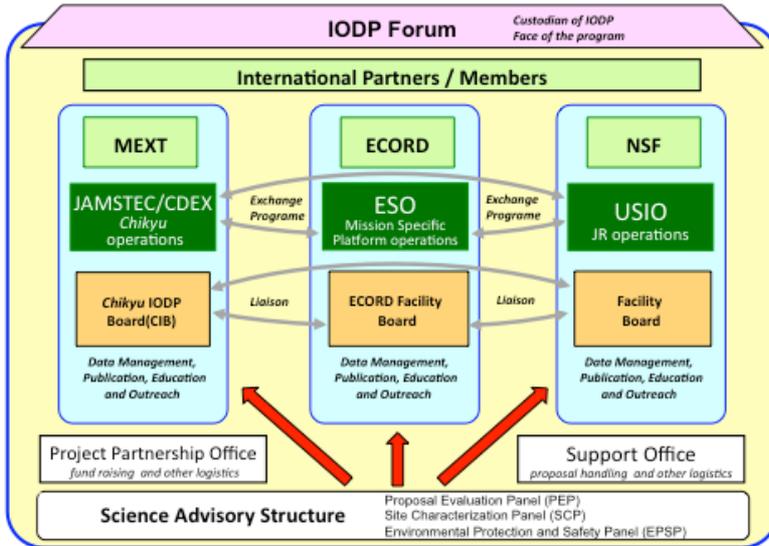
SIPCOM

Firstly, R. Stein presented the Agenda Items and members of the committee.

IODP SIPCOM Meeting + PEP + OTF:

- *Establishment of new IODP (FBs etc.)*
- *Updates of JR, Chikyu, and MSP (FY13/14 and future)*
- *Proposal Guidelines (PEP/SIPCOM)*
- *Proposal reviews (PEP)*
- *Proposal status (PEP, IOs)*
 - Active proposals in the system*
 - Regimes and themes (Compilation by PEP)*
- *Workshops (FY13-14 and future)*
- *Transfer duties from SIPCOM to New Program*

Proposed Framework for International Ocean Discovery Program (2013-2023)

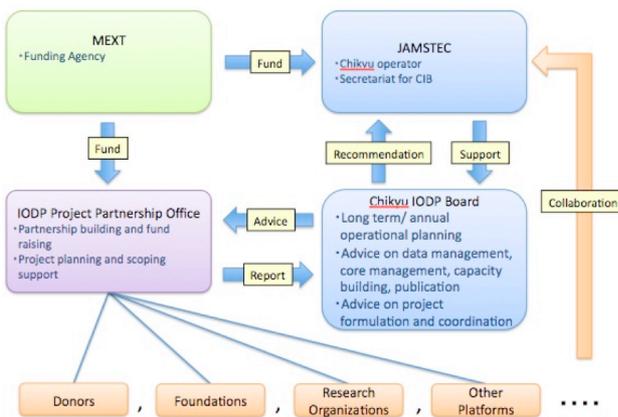


JR Facility Board

Roster :

- Funding agencies: 1 representative each from US, ECORD, Brazil, Australia, China, Korea, India
- US Operator
- Scientific Community
 - 5 international scientists (Chair – US)
- Liaisons
 - PEP,/SCP/EPSP Chairs, IODP Forum Chair, Support Office Chair, ESO and JAMSTEC representatives
- Observers
 - Additional Agency and Operator reps, PMO reps, et al

Chikyu IODP Board



Chikyu Partnership:

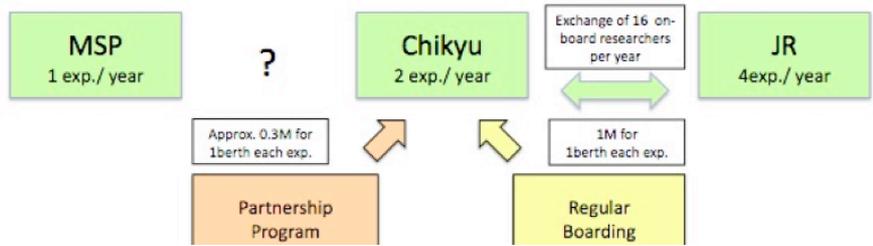
Chikyu Partnership Program, which will be primarily aimed for capacity building purpose, will provide a promotional berth of Chikyu for USD 0.3M the 1 unit membership fee.

Regular Participation:

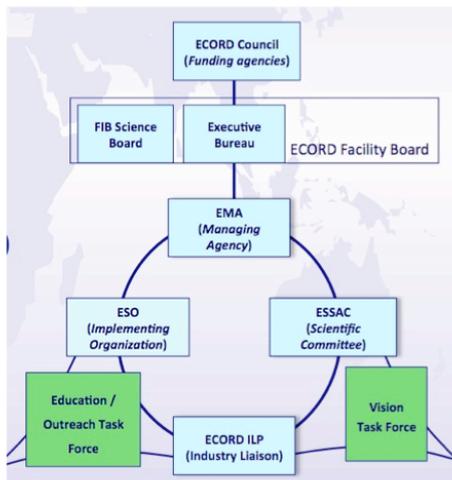
Otherwise, 1.0 M annual fee will be charged for 1 berth of Chikyu for regular participation.

Berth Exchange:

Mutual berth exchange has been agreed between NSF and MEXT. Berth exchange program between ECORD and MEXT is under discussion.



New ECORD Structure (Facility Board, etc.)



4.5 Status Science and Technology Panel (STP)

De Leeuw introduced the 5 STP's letters emphasizing their concerns that the cross-platform scientific technology assessment could be lost in the new program.

SIPCOM indicated that overarching platform issues have to be handled by the FBs and Forum in the new program. SIPCOM agreed on forwarding the following SIPCOM consensus, asking the FBs and Forum to keep an eye on the "STP" activities.

IODP - Present and Future

R. Stein presented the FY12 and FY13 Expeditions:

- 341 Expedition:

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

- 346 Expedition:

Overall goal:

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

Also, R. Stein presented the content and scientific objectives of the FY14 JR Expeditions.



- South China Sea Expedition 349

(Co-chiefs: C.-F. Li/Shanghai, J. Lin/Woods Hole; 20 January - 30 March 2014)

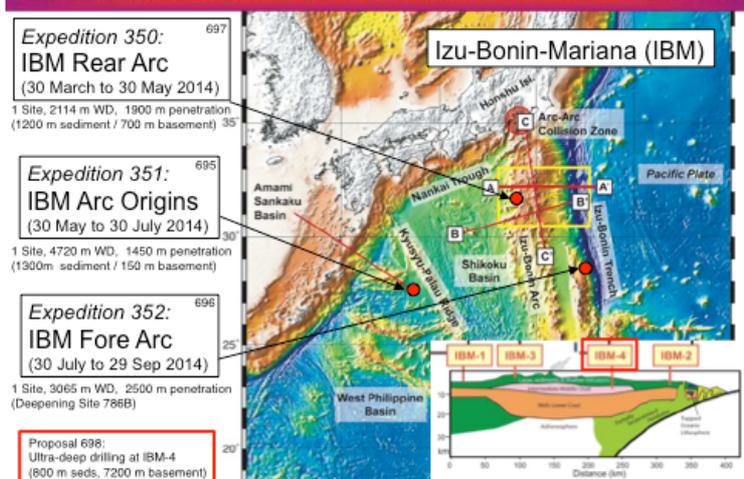
“History and mechanisms of opening of the South China Sea (SCS), and its implications for East Asian and western Pacific tectonic and paleoenvironmental evolution”

-> to determine the breakup and basin formation history since the late Mesozoic

-> coring through the sediment and into the oceanic basalts at four different subbasins, with total penetrations ranging from 0.7 to 1.9 km in 3.3 to 4.4 km water depths.

- IBM Expeditions 350, 351 and 352.

Comprehensive Understanding of Arc Crust Evolution & Continental Crust Formation



R. Stein talked about the Chikyū operation plan and the Chikyū+10 Workshop, Tokyo, 21-23 April, 2013.

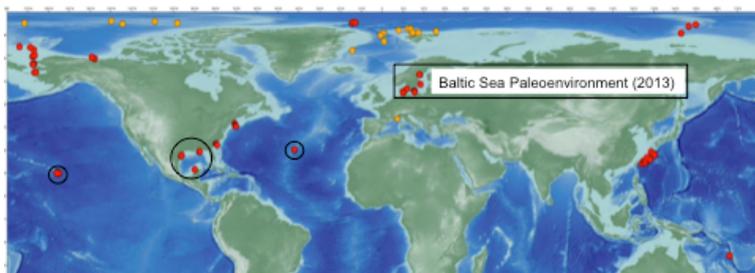
Chikyū operation

	2012												2013											
USFY	FY12						FY13						FY14											
JPFY	JFY12												JFY13											
Month	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			
IODP	343			337			338									3xx								
Non IODP																								

- Exp. 343: **Japan Trench Fast Drilling Project**
- Exp. 337: **Deep Coalbed Biosphere off Shimokita**
- Exp. 338: **NanTroSEIZE Plate Boundary Deep Riser - 2**
- Exp. 3xx: **NanTroSEIZE Plate Boundary Deep Riser - 3**

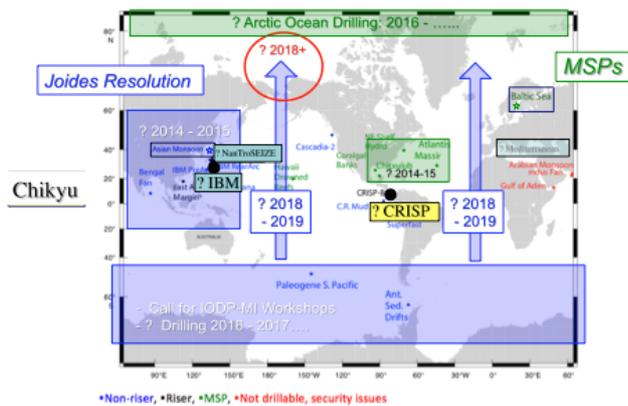
FY14+ MSP Expeditions

IODP MSP Proposals (06/2012)
Active (red) & inactive (orange)



Proposal	Short title	Comments
548	Chicxulub K-T Impact Crater	Impact of meteorites
716	Hawaiian Drowned Reefs	Climate change in last 2 million years
758	Atlantis Massif Seafloor Processes	Water circulation; microbiology

IODP drilling campaigns post-2013: Possible scenarios



SIPCOM Report (R. Stein), 20th ESSAC Meeting, Gdansk, Poland, June 03-05, 2013

R. Stein Reported about the PEP (Proposal Evaluation Panel, 3rd Meeting, 10-12th Dec 2012, Kyoto, Japan).

Chair: Dick Kroon

Thematic sub-panels

Sub-chairs

- Climate and Ocean
(Tim Bralower)
- Biosphere Frontiers
(Yoshinori Takano)
- Earth Connections
(Richard Arculus)
- Earth in Motion
(Michael Strasser)

PROPOSAL GUIDELINES (PEP/SIPCOM):

A well-prepared Pre-proposal should:

-state the scientific objectives and explain how those objectives relate to, or advance beyond, the IODP Science Plan 2013-2023, including the theme(s) and challenge(s) addressed,

-justify the need for drilling to accomplish the scientific objectives,

-present a conceptual strategy for addressing the scientific objectives through drilling, logging, or other down-hole measurements,

-describe the proposed drilling sites, penetration depths, expected lithologies, available site-survey data, and discuss the recovery rates needed to achieve key goals.

-describe any development of advanced and non-standard tools, special sampling techniques, down-hole measurements, bore-hole observatories or others,

-identify any logistical problems, e.g. extreme weather, sea-ice, piracy, or others,

-describe briefly any relationships to other international geoscience programs.

A well-prepared Full proposal should also:

in addition to points listed for pre-proposals:

-provide detailed estimates of the time required for drilling, logging, or other down-hole measurements. ... discuss required recovery rates (general) as a function of depth and highlight particular target zones, comment on the impact on the science if such recovery rates are fully achieved.

-describe the available site-survey data and any plans for acquiring additional data. upload the available site survey data in the Site Survey Data Bank in case the data are directly available, or a.s.a.p. after collection of new data.

-discuss the expected scientific outcome of drilling and any subsequent work required to complete the overall project.

-describe any development of advanced and non-standard tools, special sampling techniques, down-hole measurements, bore-hole observatories or others, and include an out-year plan for observatory data recovery, maintenance and ultimate termination.

-describe any external funding for non-standard tools,

Proposals with external funding ("CPP")

Full proposals with external funding (previous CPPs) can receive fast-track consideration by the SAS if required by the situation (e.g., funding source, operational plans etc.).

If fast-track consideration is required, the PEP may forward directly the proposal to the relevant IO(s). If fast track is not required, PEP may send the proponents a written review, advising them how to improve or revise their proposal depending on time pressures.

The revised proposal may be sent out for external review for additional comments if time permits. The proponents then receive the external reviews of their proposal from the Support Office and may submit a brief response letter before the next PEP meeting. The PEP then reviews the proposal again, together with the external reviews and response letters and forwards all information to the relevant IO and FB, and the PEP rates the proposal with external funding according to the criteria as described under Full proposals (see above).

PROPOSAL REVIEWS (PEP):

1.4.2 PEP Review Process

The general evaluation criteria for IODP proposals are (as per PEP ToR):

- Are the scientific questions/hypotheses being addressed exciting and of sufficiently wide interest to justify the requested resources?
- Will the proposal significantly advance one or more goals of the Science Plan?
- Would the proposal engage new communities or other science programs into the drilling program?
- To what degree does the integrated experimental design of site characterization, drilling, sampling, measurements, and downhole experiments constitute a compelling and feasible scientific proposal?

Review by Proposal Evaluation Panel (PEP)

Step 1: Pre-proposal (PEP Review -> yes/no*; if yes -> Full-Proposal)

Step 2: Full-Proposal (PEP Review -> yes/no*; if yes -> revised full)

Step 3: Full-R-Proposal (PEP Review -> yes/no*; if yes -> external reviews)

Step 4: Final PEP Review (considering the external reviews and PRL) -> yes/no*

if yes -> Forward proposal to Facility Board (FB)

· New Full proposals can be revised only once.

C. Escutia asks if the feasibility of a drilling proposal should be addressed in the pre-proposal stage. R. Stein supports this idea, which could be ideal. The proposals are evaluated as “excellent, good and fair”. C. Escutia asks about how can be evaluated the amount of funding for each proposal. R. Stein answer that at least it should be evaluated as “fair”.

Review of (Chikyu) Proposals:

Proposal#	Title	WD1	WD2	WD3	Theme	COI
702 Full	Southern African Climates	Zachos	Tian	Christensen	CO	
707-MDP	Kanto Asperity Project: Overview	Strasser	Michibayashi	Yamada	EM	
735-CPP2	South China Sea Evolution	Arculus	Morishita	Yokoyama	EM/CO	Tian
770 Full3	Kanto Asperity Project: Observatories	Strasser	Michibayashi	Yamada	EM	
774-APL2	Costa Rica Subseafloor Microbial Mats	Biddle	Smith	Takano	BF	
777-APL3	Okinawa Trough Quaternary Paleooceanography	Murayama	Clift	Singhvi	CO	Lee
784-Full2	Amundsen Sea Ice Sheet history	Bralower	Shevenell	Tian	CO	
793-CPP2	Arabian Sea Monsoon	Shevenell	Tian	Tarduno	CO/EM/EC	Clift, Singhvi
795-Full2	Indian Monsoon Rainfall	Nishi	Christensen	Lee	CO	Clift
800-MDP	Indian ridge Moho	Takazawa	Neal	Delacour	EC	
807-Full	Indonesian Throughflow	Clift	Webster	Lee	CO/EM	
808-APL	East/Japan Sea back-arc opening	Michibayashi	Arculus	Sultan	EM	Clift
809-APL	Alaska Holocene record	McNeill	Obana	Yamada	EM	
810-APL	Hole504B life limit	Suzuki	Biddle	Heuer	BF	
811-Pre	Cape Fear Slope Stability	Sultan	McNeill	Morishita	EM	
812-Pre	Ross Sea Glacial History	Christensen	Murayama	Zachos	CO	Shevenell
813-Pre	Antarctic Cenozoic Paleoclimate	Flores	Bralower	Nishi	CO	Robinson
814-Pre	Greenland Ice Sheet	Clift	Shevenell	Tian	CO	
815-Pre	Weddell Sea History	Robinson	Webster	Lee	CO	
816-APL	ReCORK Hole858G	Obana	Yamada	McNeill	EM	
817-Pre	Maldives Atolls Sea Level	Yokoyama	Zachos	Bralower	CO	Webster

	: Submission of revised version
	: Came back from External review
	: New proposals
switched	: switched

Proposal status (PEP, IOs):

Active IODP Proposals based on IODP-MI Report at PEP Dec-2012 Meeting:

Total number of active proposal: 88

Breakdown by science plan theme

Theme	Number of proposal
Climate and Ocean	43
Biosphere Frontier	13
Earth Connections	15
Earth in Motion	17

Breakdown by ocean

Ocean	Number of proposal
Arctic	8
Atlantic	19
Indian	13
Pacific	39
Southern	6
Mediterranean	1

Country of PI	Number of proposal
US	46
Japan	8
ECORD	25
China	1
Korea	2
ANZIC	5
India	1

Breakdown by platform

Platform	Number of proposal
Non-Riser	63
Riser	8
MSP	13
Multiple	6

Climate and Oceans: 44.4%

Biosphere: 20%

Earth Connections: 20.15

Earth in Motion: 15.7%

R. Stein summarized SIPCOM consensus regarding Workshop Proposals

Workshops in FY13-14 and beyond

SIPCOM Consensus 1207-01: Due to the limited available funding in FY2013, SIPCom had to reconsider a further reduction of the recommended funding of five workshop proposals planned SIPCom decided on a ca. 50% reduction of the funding requested by the proponents with the exception of the Bengal Bay WS proposal. SIPCom recommends 7 kUSD funding for the Bay of Bengal WS, 11 kUSD for the Intraoceanic arc WS, 16 kUSD for the Chukchi Sea WS, 16 kUSD for the Cretaceous Ocean Dynamics WS and 13 kUSD for the Deep Biosphere Research WS. SIPCom very much regrets this further reduction of the budget available for workshop proposals in FY2013 and strongly recommends that in the new program substantial funding will be made available for workshops to support these absolutely vital community-driven, grass-roots efforts to stimulate the future of our science and to significantly enhance the quality and feasibility of drilling proposals.

R. Stein communicated SIPCOMs congratulations to ECORD and J. Erbacher for the Magellan Plus Program. He also summarized some of the questions from SIPCOM about Magellan+.

Q: Who can apply to this program?

A: Anyone. But the proponent group should have European or Canadian leadership.

Q: Does ECORD have regular meetings with ICDP about co-funding for workshops?

A: No. ECORD communicates with ICDP through emails or through some members of the steering committee.

Q: Is there competition for the workshops?

A: Yes. The number of winners changes depending on the quality of the proposals and the budget on that year.

Q: How does this program communicate the community?

A: Through calls for proposals on the ECORD and IODP websites. Additional options will be sought.

Q: Should proposals need to be only about MSP?

A: No. Proposals for other platforms are also welcomed.

Information from NSF

- There are a number of avenues for US scientists to apply for workshops, like the US Science Support Program, and NSF.
- The information will be announced through the new IODP framework document and IODP website.

Comments from SIPCOM:

- There is a need for an integrated webpage that shows all updated information on workshop opportunities and links to the entities that scientists can apply their workshop proposals to.
- Recommending topics for workshops is within the Forum's mandate of "monitoring on how well the new program is addressing the new science program". Forum's recommendations should go to the all entities that provide workshop funding.
- For the scientists, the change on where the workshop funding comes from is not interesting or important. We don't need to show them the complexity of the WS funding in the new program.

Transfer of SIPCOM duties

- Incidental workshop reviews

Depending on topic: Conducted by either Facility Governing Board (FGB) or Implementing Organization (IO).

- Monitoring science plan delivery

IODP Forum and individual Facility Governing Boards

- Long-term planning

Monitored by IODP Forum and implemented by Facility Governing Boards and Implementing Organizations

- Regional planning

• Monitored by IODP Forum and implemented by Facility Governing Boards and Implementing Organizations

- Collaboration issues (ICDP,PAGES, OOI, DCO, etc.)

Coordinated by Forum Chair

- Monitoring website renewal

Support Office with advice from IODP Forum

- General performance assessment

NSF for JR; JAMSTEC/MEXT for Chikyu; ECORD/EMA for MSP

- Improving transparency at all levels

All entities; general IODP Forum discussion item

Transfer of current IODP-MI tasks:

Data management - **IO/FGB**

Publications – **IO/FGB**

Outreach & PR – **IO/FGB/National**

New member attraction - **Forum/FGB/IO**

Curational Issues – **IO/FGB/National**

Technical Developments – **IO/FGB**

3. ECORD News

3.1 EMA - ECORD Council Report

P. Maruejol gave a summary about the latest news regarding EMA and ECORD Council activities.

- IODP / ECORD Meetings :

· IWG+ & SIPCom: Edinburgh, UK, Jan. 13

· CNRS Direction: Paris, Feb. 13

· MagellanPlus SC meeting: Prague, Czech Republic, Feb. 13

· ECORD Outreach and Education Task Force: Salamanca, Spain, Feb. 13

· ECORD Executive Bureau: Edinburgh, UK, March 13

· ECORD Facility Board: Edinburgh, UK, March 13

· JOIDES Resolution Facility Board: Washington, USA, March 13

· EGU: Vienna, Austria, Apr. 13 (IODP-ICDP booth ; IODP-ICDP Townhall Meeting)

· ECORD Industry Liaison Panel, Geneva, Switzerland, May 13

· ESSAC: Gdansk, Poland, Jun. 13

· ECORD Council: Gdansk, Poland, Jun. 13

- Collaboration with industry:

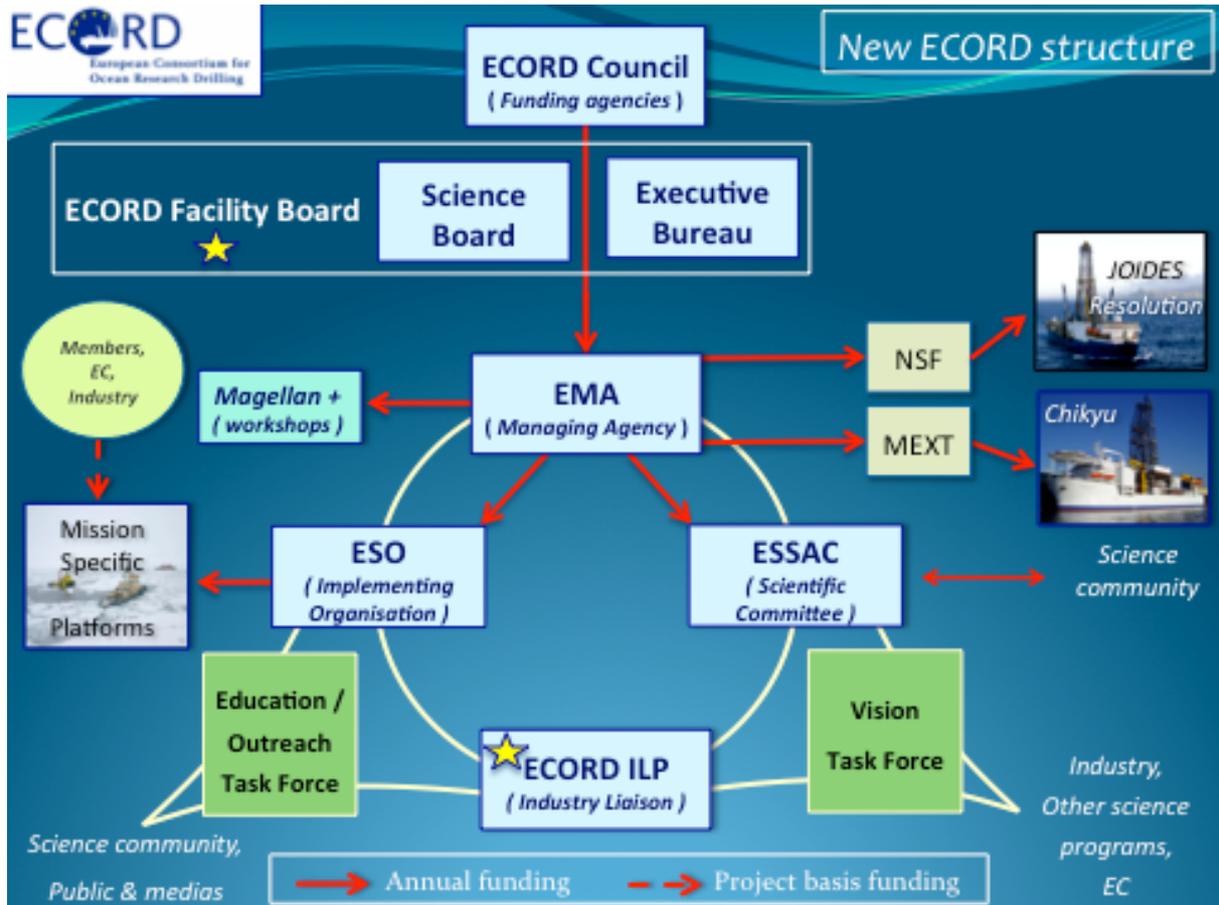
· Meeting with TOTAL, Pau, Feb. 13

- EC activities:

· Meeting at the French Ministry of Higher Education and Research, Paris, France, Feb. 13

· Environment ERA-Nets, Dublin, Ireland, Feb. 13

· Meeting at the French Ministry of Higher Education and Research, Paris, France, Apr. 13



As of April 1st, 2013

ECORD Council Chair: Mike Webb (UK)

ECORD Council Vice-Chair: Guido Lüniger (Germany)

ECORD Executive Bureau:

Mike Webb (UK)

Anne de Vernal (Canada) *

Guido Lüniger (Germany)

Michel Diament (France)

Josef Stuefer (Netherlands) *

Gilbert Camoin (EMA)

Carlota Escutia (ESSAC)

Robert Gatliff (ESO)

* Will rotate off after the Gdansk meeting

ECORD FB - Mandate and goals

Purpose

- Key planning forum for the MSP expeditions

Mandate

- Determine the operations schedule for MSPs to implement high priority science proposals forwarded to the E-FB by the Proposal Evaluation Panel (PEP), based upon science priorities, optimal geographic distribution and costs
- Approve the expedition section of the Annual ECORD Plan (MSP schedule, Publications, Data Management, Core Curation, Technical Development, Education and Outreach)
- Advise on long-term planning of MSP expeditions

ECORD FB – Membership

Science Board

K. GOHL (Chair; ECORD) - Geophysics, sedimentary processes, ice sheet dynamics, paleoclimate

D. WEIS (ECORD) - Geochemistry of the Earth's mantle

M. TORRES (US) - Early diagenetic processes; Fluid transport processes at convergent margins; Methane hydrates; role of microbes in early diagenesis

A.CATTANEO (ECORD) - Stratigraphy, Sedimentary Processes & Geohazards

G. DICKENS (US) - Paleoclimate : geochemistry, paleoceanography, sedimentology, stratigraphy

Members: IODP Funding agencies (1 rep. each)

Liaisons: IODP Forum, SIPCom, PEP, SCP, CDEX, USIO

Observers and guests

1st meeting: March 7-8, 2013, Edinburgh, UK

ECORD ILP

Purpose

The ECORD Industry Liaison Panel will act as a link between academia and industry to promote scientific and technologic collaboration

Mandate

The main tasks of the ECORD Industry Liaison Panel are to:

- identify topics of interest to the industrial community that might be initiated by industrial members but developed jointly with academia ;
- facilitate mutual communication and cooperative scientific activities between ECORD and related industries;
- maximize economic benefits from sharing resources (e.g. manpower, drilling of sites, development of joint drilling and sampling technologies, core and data analysis, improved downhole measurement and observatory capabilities etc.) ;
- participate, through its Chair, in the activities of the ECORD Executive Bureau and of the ECORD Vision Task Force.

Membership

The ECORD Industry Liaison Panel will include representatives from interested industries and representatives from academia with a strong experience of collaboration with industry. Membership to the ECORD Industry Liaison Panel will be solicited by any ECORD entity and subject to recommendations by the ECORD Executive Bureau and approval by the ECORD Council.

Academia: Univ. Geneva; Univ. Newcastle; Univ. Leicester; CNRS

Industry: SHELL; TOTAL; EXXON-MOBIL; BP; ENI; Statoil ; Fugro-Robertson ;

Geotek; DrillingGC

Chair

The Chair will be selected by the ECORD ILP members among the ECORD representatives from academia of this panel and his/her nomination approved by the ECORD Council.

Andréa Moscariello (Univ. Geneva)

1st meeting: May 2-3, 2013, Geneva, Switzerland

Next meeting: October 2013, Stavanger, Norway (3P Arctic)

ECORD membership

- > Written by EMA, Sept. 2012
- > Reviewed by the ECORD Executive Bureau, 26-27 Sept. 2012
- > Sent to the ECORD Council members, 31 Oct. 2012
- > Approved by the ECORD Council meeting, 13-14 Nov. 2012
- > Sent to all ECORD funding agencies, 25 Feb. 2013
- > Some signatures and budget commitments already obtained, others are expected

Fundamentals of the ECORD MoU

ECORD aims to maximize the scientific excellence of the International Ocean Discovery Program and to ensure the high impact of science and engineering innovations, collaboration and technology transfer. ECORD will ensure that within the science programme, high priority is given to the ECORD member countries' relevant strategic science with socio-economic impacts

- To be a member of ECORD and have voting rights on the ECORD Council, a member must contribute according to their scientific interests and funding commitments with a defined annual minimum membership fee that has been agreed with the EMA. This contribution has to be a cash contribution
- ECORD members may increase their contribution on a project basis, either as cash or in kind
- Additional funding will be sought from the European Commission through applications to the European Infrastructure and research funding programmes
- ECORD will be responsible for funding and implementing MSP operations for IODP as an independent Platform Provider
- ECORD is aiming for funding and implementing one MSP expedition per year on average for the International Ocean Discovery Program

-
- In addition to its own funding, ECORD will also encourage and help proponents for MSP expeditions to seek for additional funding sources on a project basis (e.g. EC, industry, increased contributions from ECORD and IODP members, foundation support, in-kind contributions)
 - Mission-specific platforms might include specifically outfitted polar vessels, jack-up rigs, geotechnical vessels, seafloor drilling systems, long-piston coring, anchored barges and others, as determined by scientific priorities and operational efficiency
 - ECORD will contribute to the funding of the JR and the Chikyu on an annual basis (see ECORD-NSF MoU and ECORD -JAMSTEC MoU)

ECORD – NSF MoU

- ECORD will contribute to the annual funding of the JOIDES Resolution: US\$ 7 M
 - > access to the JR for ECORD scientists * : 8 ECORD berths / JR exp
 - > access to MSPs for JR Consortium members. *: 13 US & Ass. partner berths / MSP exp**
 - * Co-Chief scientists not counted against participation levels
 - ** If the berths previously allocated to JOIDES Resolution Consortium members are not filled, they will be given back to ECORD
 - > ECORD voting representatives on PEP: 9
 - > ECORD voting representatives on SCP: 5
 - > ECORD voting representatives on EPSP: 5
 - > 1 ECORD formal member + additional observers on the JOIDES Resolution Facility Board
- Each member of the JOIDES Resolution Consortium may have one formal member + additional observers on the ECORD Facility Board.

ECORD – JAMSTEC MoU

- ECORD will contribute to the annual funding of the Chikyu * : US\$ 1 M minimum
 - * Level of funding defined each year by the ECORD Council
 - > access to the Chikyu for ECORD scientists ** : 1.5 ECORD berth + additional berths at the implementation stage / Chikyu exp (= 4 ECORD berths / Chikyu exp)
 - > access to MSPs for Japanese scientists *** : 4 berths / MSP exp ***
 - ** Co-Chief scientists not counted against participation levels
 - *** If the berths previously allocated to Japan are not filled, they will be given back to ECORD
 - > 1 ECORD formal member + additional observers on the Chikyu IODP Board
- 1 Japanese member + additional observers on the ECORD Facility Board
- ECORD might also consider funding Chikyu operations on a project basis in European/Canadian waters with an order of US\$ 10M for the whole expedition. In this case, staffing will be determined through a separate mutual agreement

ECORD participation to IODP expeditions and panels

- Integrated Ocean Drilling Program 380 sailing scientists: 240 JR ; 104 Chikyu ; 40 MSPs
9 scientists at PEP, 5 scientists at SCP, 5 scientists at EPSP

D. Weis argues that in Edinburgh it was not clear what a Chikyu berth is. P. Maruejol explained that in the Chikyu berths are spaces available for one expedition. Since Chikyu expeditions last for more than two months, one berth can be occupied by several scientists. In contrast, for the Joides Resolution one berth= one scientist.

- International Ocean Discovery Program

540-600 sailing scientists: 320 JR (4 exp./yr) ; ~ 80-100 Chikyu (5 months/yr) ;
100-130 MSPs + 40-50 co-chiefs*)

* Co-chiefs not counted toward national or consortia quotas 9 scientists at PEP, 5 scientists at SCP,
5 scientists at EPSP

EC Public Consultation on Research Infrastructures

DEISM - Distributed European Infrastructure for Subseafloor Sampling and Monitoring (ECORD)

Rationale -

The proposed Distributed European Infrastructure for Subseafloor Sampling and Monitoring (**DEISM**) focuses on scientific research into the subseafloor and is designed to increase and optimize trans-national access to cutting-edge technologies and scientific services to the European science community. **DEISM** will improve European collaboration in development and sharing of new, innovative technologies for coring, specialist sampling, downhole logging and long-term subseafloor observations, and it is likely to stimulate further technological developments in these areas.

> Submitted on October 22nd, 2012

ECORD in IODP... towards a European Infrastructure

Developing the concept of Mission Specific Platforms

- New targets
- New scientific issues
- Close collaboration with other programs (e.g. IMAGES, ICDP)
- Cost efficiency

Developing and using new tools

Borehole observatories:

P, T, fluid flows, seismicity, geochemistry, microbiology

In situ pressure sampling:

Gas hydrates, Deep biosphere

High-temperature tools:

Hydrothermal systems

ISOR (Iceland GeoSurvey)

Sharing experience and capabilities

- Stronger collaboration between research & operational groups across Europe
- Optimize use of research vessels and sampling capabilities
- Technological development (drilling systems, observatories...)
- Stronger collaboration with other science programmes and initiatives, e.g. ICDP, IMAGES, EMSO
- New opportunities for funding

D. Weis showed her concern about why EMA is always located in France and that the structure of ECORD for the new program seems to be more complicated. C. Escutia clarifies that the location of EMA has been approved by the ECORD Council and that an extension of the office term in France has been approved as well. Maybe after the term is over a debate needs to be open for accepting bids from different countries. S. Berne point out that if EMA is in France it is because France pays a large sum of money to be in ECORD. J. Erbacher reminds that there was a call for ESSAC and EMA at the beginning of ECORD.

3.2 ECORD Facility Board

D. Weis reported the ECORD Facility Board.

ECORD-FB members

Science Board: **Karsten Gohl (Chair), reporting**

Antonio Cattaneo

Dominique Weis

Gerald R. Dickens

Marta Torres

ECORD Executive Bureau (ECORD Council, EMA, ESO, ESSAC, E-ILP)

Funding agencies

D. Weis showed the Agenda of the meeting.

1st E-FB meeting on 7-8 March 2013 at BGS in Edinburgh:

Summary of most important agenda items discussed:

- IODP structure and role of the three facility boards
- Procedures and guidelines for MSP missions
- E-FB policies and interactions with other FBs and IODP entities
- Overview of active MSP proposals (PEP)
- Budgets for FY 2014 and FY 2015 (and beyond)
- Review of MSP proposals forwarded from PEP
- Scheduling of MSP proposals for FY 2014 and FY 2015

Actions taken with regard to the following most important tasks and mandate of the E-FB:

-
- 1) Giving advise, recommendations and contributions to general IODP and ECORD policies and guidelines
 - 2) Scheduling MSP expeditions according to proposals forwarded by PEP with respect to science objectives and available budgets
 - 3) Providing recommendations for long-term planning/strategy of MSPs

Giving advise, recommendations and contributions to general IODP and ECORD policies and guidelines

- Working group to determine ECORD policy on publications.
- Working group to write recommendations for the SCP matrix documents and information be appropriate for MSPs. Progress: Recommendation have been discussed in close contact with SCP members revising the matrix.
- E-FB supports the planned joined meetings between PEP and the SCP.
- E-FB recommends that Dick Kroon's term as Chair of PEP will be extended.
- Working group to draft start-up document on 'Recommendation, Rules and Procedures' for maintenance, sampling and data acquisition across drilling platforms in IODP.
- Preparing response on recommendations, rules and procedures for Core Repository.
- Working on revised guidelines document for the ethical and environmental MSP issues. Progress: Recommendations for corrections and modifications of current Environmental Principles were prepared, discussed and forwarded to the JR-FB to be included in their discussion.
- E-FB recommends to keep the current system for expedition planning communications between the PMOs.
- E-FB agrees to create and maintain a two-year ECORD expedition plan for MSPs (first scheduled expeditions for FY 2014 and FY 2015).
- E-FB will ask PEP to provide recommendations to ESSAC for co-chiefs of the scheduled MSPs. Final nomination will be done by ESO (similar procedure as with JR). Progress: Request will be made after E-Council meeting in June 2013.
- E-FB agrees to ask proponents to submit status statements to PEP regarding any plans to revise/modify their proposals. PEP must approve these changes. Progress: All proponents received this request in a letter.

J. Erbacher makes the reflexion/concerns about what is the role of ESSAC or how other ECORD bodies perceive the ESSAC´s role. It seems that we only meet twice a year, we rank applicants, what more? C. Escutia mentions it is a good question and one that should be discuss by the Committee. However, the role of ESSAC is beyond the "managerial" aspect of ranking and nominations as it is indicated in the ESSAC ToR. ESSAC provides science advise to other ECORD bodies and is the link between the European scientific community and ECORD/IODP. For example, in the ECORD Council (and Executive Bureau) and the Facility Board, ESSAC watches that decisions are always based in science, which drives the program, and not only facilities, logistics and funding..

Scheduling MSP expeditions according to proposals forwarded by PEP with respect to science objectives and available budgets

Proposals forwarded to E-FB by PEP

548-Full3 'Chicxulub Crater' (Morgan et al.)

581-Full2 'Late Pleistocene Coralgal Banks' (Droxler et al.)

637-Full2 'New England Shelf Hydrogeology' (Person et al.)

716-Full2 'Hawaiian Drowned Reefs' (Webster et al.)

758-Full2 'Atlantis Massif' (Früh-Green et al.)

581-Full2 'Late Pleistocene Coralgal Banks' (Droxler & Sager)

· Drowned coralgal reefs about 40 to 50 m thick; grown during the first half of the last sea level transgression on top of topographic highs occurring along a lowstand siliciclastic paleo-coastline at the LGM.

· Main objectives: deglacial history of coral growth/demise and sea-level from late Glacial to Younger Dryas

· Drilling the siliciclastic substratum of the reefal edifice, the coralgal sequence itself, and the mud blanket that partially covers the reefal edifices.

· 7 drill holes, 60-70 m WD, 75-100 m penetration

· Geotechnical ship with drill rig (or seabed drill?)

· SCP is ok

· Estimated costs: \$13 10⁶

E-FB approaches proponents and ask them if they can lower penetration depths.

637-Full2 'New England Shelf Hydrogeology' (Person et al.)

· Main objectives: distribution of the fresh-brackish-salt water on shelf; mechanisms and time of emplacement; quantity of fluid; chemical and nutrient fluxes; understand relationship between hydrogeochemistry, fluid flow and microbial activity

· 18 drill sites, 18-109 m WD, 350-800 m b.s.f.

· SCP is ok

· Large liftboat or industry rig

· About 5 months of operation are required

· Estimated costs: \$ 20 10⁶

- E-FB asks proponents that they must give feedback to ESO on how the expedition costs could be reduced if some of the sites are changed. The proponents may also look for funds from outside ECORD and to keep PEP informed about the progress of this discussion.

716-Full2 'Hawaiian Drowned Reefs' (Webster et al.)

· Main objectives: Nature of sea-level change in central Pacific over the past 500 kyr; response of coral reef systems to abrupt changes in environment; subsidence history.

· Similarities to Tahiti and GBR

· 11 drill sites, 134-1154 m WD, 150 m b.s.f.

· SCP is ok

· Geotechnical ship with drill rig (or seabed drill?); JR for deeper holes?

· Estimated costs: \$ 13 10⁶

· Permitting may be a problem

E-FB considers this proposal with high priority for scheduling in the first years after 2015 by using a seabed drill in order to try reducing the expedition costs, provided that proposed science objectives are met. Proponents are offered three options: (1) accept the low recovery results risks in a JR operation, (2) wait until MeBo200 operationable, (3) find alternatives to MeBo.

548-Full3 'Chicxulub Crater (Morgan)

· Main objectives: study impact dynamics mechanism; identify peak ring lithology and formation; impact effect on deep biosphere; extent of hydrothermal system; energy and mass extraction of impact; biotic recovery

· Clear hypothesis-driven tests, detailed strategy, occasion for an effective outreach communication.

· 2 drill holes, 17 m WD, each 1500 m b.s.f.

· SCP is ok

· Liftboat or jack-up platform

· Estimated costs: \$ 17 10⁶

E-FB will schedule this proposal, aiming for end of 2014 at the earliest, provided that the budget objectives are met. A response from proponents is requested on whether the foreseen scenarios are suitable for them.

758-Full2 'Atlantis Massif' (Früh-Green)

· Main objectives: Explore the subsurface of this hydrothermal field (metamorphic core complex) and processes of serpentinization (fundamental understanding), deformation and alteration processes of different lithospheric ages and rock types, and the microbial activity

· 10 drill sites, 750-1770 m WD, 50-100 m b.s.f.

· SCP is ok

· Seabed drilling (MeBo/RD II from ship)

· Estimated costs: \$ 3.5 10⁶ (w/o ship)

- E-FB will schedule this proposal, aiming for 2015, provided that the budget objectives are met. A response from proponents is requested on whether the foreseen scenarios are suitable for them.

Progress: Proponents contacted ESO with suggestions regarding cost reductions.

Providing recommendations for long-term planning/strategy of MSPs and other issues

Various issues were discussed during the E-FB meeting and in subsequent discussions:

- Arctic proposals: It is likely that a number of high-quality proposals will be forwarded to the E-FB in the next years. The potentially high costs will have to be considered (funding saved) in long-term planning.

- Costing estimates of proposals: ESO will provide itemized spreadsheets of estimated costing for each of the 2 scheduled and 3 discussed proposals. Such costing spread-sheets will be included in the agenda books distributed to the E-FB members before each of the future E-FB meetings.

- Recommendation to improve interactions between proponents and ESO at an early stage, even before the proposal is forwarded to the FB. The benefits are:

(a) proponents would know the various options to implement their drilling plans;

(b) proponents would know what specific site survey data will be required depending on various technological options;

(c) expedition length (e.g. number of sites, drilling depths) could be better adapted to scientific needs, resulting in a more affordable expedition.

Providing recommendations for long-term planning/strategy of MSPs and other issues (part 2)

- Ancillary Project Letters (APL): E-FB will advertise the scheduled MSP expeditions through ESSAC, giving the community a chance to submit APLs on short (about 3 days) projects to drill one or two sites close to the drilling sites of the relevant expedition.

- Evaluation and review of completed MSP expeditions: Suggestion is that both the operator and the co-chiefs should send their reports to the E-FB. The performance of the relevant expedition will then be discussed and appropriate actions taken. This procedure will be discussed at the next E-FB meeting

Implementation of additional E-FB member website (password access):

- E-FB Working document: Showing progress on actions, motions and other activities

- Documents of most recent E-FB meeting (complete minutes, list of motions, actions and decisions)

- Documents of past E-FB meetings

- Archive (to be implemented)

E-FB Working document:

- Shows list of on actions, motions and other activities and their work progress since last E-FB meeting.

- List will be regularly updated.

- List will be archived after next E-FB meeting and a new list to be installed.

Résumé by the Chair

First meeting had to deal with various general IODP/ECORD organizational and policy issues.

>> Will be less time-consuming in next meetings as many issues are expected to be settled by then.

Scheduling of proposals is difficult taking into account the uncertain cost estimates and budgetary constraints for expeditions.

>> Improvement: Proponents of proposals forwarded to E-FB are requested to communicate with ESO regarding drilling facilities, options and costs; E-FB must receive information on options and itemized cost estimates already prior to the annual meetings.

Main achievement: Two provisionally scheduled MSPs for 2014 (Chixculub Crater) and 2015 (Atlantis Massif)

>> Hope is that expedition costs and ECORD budgets permit these first MSPs in the new IODP phase. However, a revised scheduling decision by E-FB must always be a possibility.

3.3 ECORD Vision Task Force (VTF)

C. Escutia reported on VTF activities and news of the Vision Task Force (Edinburgh, UK, November 12, 2012)

First, C. Escutia presented the topics to be discussed and attendance.

Roster

<i>MEMBERS</i>	<i>NAME</i>	<i>EMAIL</i>
EMA	Gilbert Camoin	gcamoin@cerege.fr
EMA	Milena Borissova	borissova@cerege.fr
EMA	Patricia Maruejol	maruejol@crpg.cnrs-nancy.fr
ESO	Robert Gatliff	rwga@bgs.ac.uk
ESO	Alan Stevenson	agst@bgs.ac.uk
ESSAC	Carlota Escutia Dotti	cescutia@ugr.es
<i>GUESTS</i>	<i>NAME</i>	<i>EMAIL</i>
PEP	*Dirk Kroon	dkroon@staffmail.ed.ac.uk
ECORD	Josef Stuefer	j.stuefer@nwo.nl
ESO	David McInroy	dbm@bgs.ac.uk

* Apologies

Potential ECORD new members

Russia:

- Contacts established with the VSEGEI institute in St. Petersburg, Russia.
- O. Petrov attended the Helsinki ECORD Council.

Met for a second time in Brisbane, Australia and the Director of Mineral Resources, director A. Popov also joined the meeting.

- A. Popov invited an ECORD delegation to Russia.
- Visit planned for the 20-21 June 2013
- The ECORD participants will include:
 - Michael Webb, UK, Chair of the ECORD Council
 - Guido Luniger, Germany, Vice-Chair of the ECORD Council
 - Michel Diament, France, Delegate of the ECORD Council
 - Carlota Escutia, Spain, ESSAC Chair;
 - Robert Gatliff, UK, ESO Chair
 - Alan Stevenson, UK, ESO
 - Gilbert Camoin, Director of EMA

Israel:

Marine Geosciences in **Israel** is being re-organized. The University of Haifa won the funding competition, which supported the Israeli participation in ECORD.

Plan is to join ECORD in FY14 October.

Luxembourg:

P. Maruéjol reviewed the names and outreach activities of two ECORD Scientists from Luxembourg and a list of research centers, funding agencies and the potential corresponding contacts.

Estonia:

A. Stevenson has contacted the Geological Survey of Estonia. The contact has responded that they are considering Estonia's membership in IODP but it is a question of how to reach the right people and organize themselves.

Lithuania:

C. Escutia has contacted A. Patinas, from the Coastal Research University. J. Stuefer mentioned that he has a contact at the Estonian Academy of Sciences, who might be interested in ECORD.

Relationships with Industry

- ECORD ILP presented by G. Camoin

C. Escutia pointed out that during the ILP meeting a presentation about the status of Arctic projects was given by R. Stein.

Relationships with Industry- Ethical Issues

ICDP-has traditionally co-funded projects.

The Chikyu project has also been partly funded by industry.

Conica Shell funded *JR* project, which took place east of Greenland

IODP and ICDP have successfully worked in sensitive areas with industry and have gained additional funding for their programs.

Working with Industry

R. Gatliff presented three model scenarios for working with industry.

1. Seek co-funding for individual science mission: e.g., industry to fund developments when testing a new technology, to examine hydrates systems, test special logging techniques for geo-mechanics, cap rock, stratigraphic deepening, etc.

2. Seek follow-up projects using the same platform to undertake separate Industry-sponsored projects, such as the Lomonosov Ridge basement drilling.

Stand-alone management drilling projects for industry to generate separate funding for the MSPs.

R. Gatliff explained that this would mean that ESO would charge a profit.

ESSAC CONSENSUS 1306-05: ESSAC recommends monitoring and stimulating overarching outreach and PR activities by the IODP Forum. The program should have a coherent message for drilling programs involving industry.

European Infrastructure

EMA submitted a proposal titled DEISM—The Distributed European Infrastructure for Sub-seafloor Sampling and Monitoring, at an EC Public Consultation call on Research Infrastructures regarding topics for integrating Activities.

The Commission received 550 proposals, representing approximately 250 “different potential topics”

DEISM very well evaluated

ERIC: European Research Infrastructure Consortium. Its principal task is to establish and operate an RI of European interest.

Discussions led to the conclusion that there is a need to further clarify the pros and cons of becoming an ERIC.

Also, C. Escutia presented the topics to be discussed and Roster in the VTF meeting number 3 in Gdansk, Poland.



ECORD Vision Task Force Meeting #3
June 5th, 2013
Gdansk, Poland

AGENDA

Wednesday, June 5th, 2013 – OLOWIANKA Open Sea Diving & Fishing Club

Topics to be discussed

- Relationships with industry (A. Moscariello / All)
- Relationships with the EC (J. Stuefer, M. Borissova / All)
- Developments of ECORD educational activities (M. Webb, G. Camoin / All)
- New ways of operating MSPs (R. Gatliff, G. Camoin / All)
- Potential newcomers (G. Camoin / All)

Roster

<i>MEMBERS</i>	<i>NAME</i>	<i>EMAIL</i>
EMA	Gilbert Camoin	gcamoin@cerege.fr
EMA	Milena Borissova	borissova@cerege.fr
ESO	Robert Gatliff	rwga@bgs.ac.uk
ESO	Alan Stevenson	agst@bgs.ac.uk
ESSAC	Carlota Escutia Dotti	cescutia@ugr.es
E-ILP	Andréa Moscariello	Andrea.Moscariello@unige.ch
<i>GUESTS</i>	<i>NAME</i>	<i>EMAIL</i>
ECORD	Mike Webb	mwebb@nerc.ac.uk
ECORD	Guido Lüniger	Guido.Lueniger@dfg.de
ECORD	Josef Stuefer	jstuefer@nwo.nl
ECORD	Michel Diamant	michel.diamant@cnrs-dir.fr
E-FB	Karsten Gohl	Karsten.Gohl@awi.de
EMA	Patricia Maruejol	maruejol@crpg.cnrs-nancy.fr

3.4 ECORD Industry Liaison Panel

R. Stein has provided an update on the ECORD Industry Liaison Panel (ILP).

AGENDA ECORD ILP Meeting - May 2-3, 2013, Geneva

Day 1	time	Duration	Who	Item	Description
	14:30	0:15	Moscariello	Welcome & Intro	participants introduction
	14:45	0:15	Moscariello / Camoin	Objectives of the meeting	Why are we here ? + agenda
	15:00	0:40	Camoin	ECORD explained	The new IODP, ECORD + ILP
	15:40	0:30	Gatliff	Mission Specific Platform operations	Mission Specific Platform operations : technology, procedures and challenges
	16:10	0:15	all	coffee/tea break	
	16:25	0:20	Moscariello	The ILP vision	The ILP mission, vision and modus operandi
	16:45	1:00	Stein	The Arctic Project	The Arctic project from ECORD perspective & experience
	17:45	0:30	All	Discussion	Questions and Answers
	18:15	0:10	all	Close out	
	18:25			end of meeting	
	20:00			DINNER	

Objectives of Meeting

- ECORD organisation
- Build new ILP Team
- Role of ILP within ECORD
- Input/feedback from industry
- Agree to a ILP's modus operandi
(communication, meetings, members,

ILP Challenges

- More difficult environments (accessibility, environmentally sensitive, socially & politically)
- Deeper and deeper wells
- Deployment of expensive technology
- Despite ECORD's large amount of money, there are limits
- Long-term vs. Short-term view

Balance between science and industry

- Common vision
- Common objectives
- Co-funding structure

Common interest of industry and scientific world

- Joint sharing costs to bring instruments etc. into the Arctic, but have separate projects?
- Both groups are interested in science (no „bad“ and „good“ guys)
- Be transparent
- Results will be published

Workshops

- Fruitful exchange between science and industry in an early stage (before submitting proposal)

ILP communication

- Web page
- Annual/bi-annual meetings
- Project specific (e.g., DREAM)
- At international conferences (e.g., 3P Arctic)

Next ECORD-ILP Meeting

3P Arctic Conference & Exhibition, 15-18 October 2013, Stavanger/Norway

3.5 ESO-EMA-ESSAC Outreach Task Force and ECORD publications

P. Maruejol reported on the outreach activities and news of the E&O Task Force.

- **Recent activities** (Nov 2012 - June 2013)
 - Events (EGU 2013)
 - New/updated publications & resources
- **ECORD online:** updates and ECORD photo gallery
- **ECORD/IODP in the news**
- **Future activities** (until October 2013)
- **ECORD outreach in the new phase**

P. Maruejol reported about the **ECORD Outreach & Education and Task Force** (February 19-20, 2013, in Salamanca, Spain) to review recent activities/resources and develop upcoming actions for spring-summer 2013.

Attendance:

**Alan Stevenson, Albert Gerdes (ESO),
Carlota Escutia (ESSAC) and**

Milena Borissova and Patricia Maruéjol (EMA)(*the meeting was hosted by José Abel Flores, University of Salamanca*)

ECORD/IODP booths at international conferences:

· EGU 2013, April 7-12, 2013, Vienna (*co-funded by ECORD and ICDP*)

Publications:

- ECORD Calendar 2013 (December 2012)
- ECORD MoU (*February 2012*)
- ECORD Annual Report (*early April 2013*)
- Newsletter #20 (*early April 2013*)
- ECORD Folder and flyers updated

Providing materials to IODP/ECORD member countries:

- ECORD publications/materials at international conferences (AGU 2012, JpGU 2013), national events (Swiss IODP, Germany) and JR port call in Victoria
- Core replicas to upcoming events: Urbino Summer School 2013, Salamanca University and Braunschweig University

ECORD website: updates and ECORD photogallery

Educational activities in relation with Exp. 345 Expedition Blogs, videos conferences with schools during Exp 345 (J.L. Bérenguer and S. Gebbels)

<http://www.ecord.org/pi/promo.html>

EGU 2013, April 7-12, Vienna

*11,167 participants from 95 countries,
28% students <http://www.egu2013.eu>*

ECORD at EGU since 2005

Joint IODP-ICDP participation (since 2009)

Booth (*co-funded by ECORD and ICDP*)

Logging demonstration (ICDP/EPC)

European scientists and educators (GIFT)

Townhall meeting (*200-220 participants*)

IODP Education presented for the 1st time

Successful IODP-ICDP session

>> **EGU 2014: Vienna, April 27 - May 5, 2014, Vienna**

ECORD Newsletter #20

· **24-page issue** with a ISSN #

· News from the **ECORD Council, EMA, ESO, ESSAC,**

ECORD Outreach, BCR and member countries

· Report on **ECORD Research Grants** (*to be included in every further October issue*)

· Reports of **MagellanPlus Workshops**

-
- Letters from **Denmark and Sweden**
 - **ECORD Teachers at sea** - Expedition 345
 - Atlantis Massif Proposal
 - Report of **DLP 2010-2012** (K-U. Hinrichs)

ECORD Publications

Publications:

- Newsletter #20 - April 2013
- ECORD folder + flyers
- ECORD Annual Report 2012

ECORD video

- Exp 337 available on Youtube

<http://www.youtube.com/user/ecordeso>

IODP core replicas (+info)

Currently, ACEX is loaned to IODP Canada,
ACEX, PETM to Urbino Summer School,
ACEX, K/T, Oceanic crust to Salamanca University
Tahiti to Braunschweig University

<http://www.ecord.org/pi/promo.html>

ECORD online

ECORD website

- New pages (*ECORD FB*)
- Updates preparing for the new phase (*About ECORD, ECORD& IODP*)
- Monitoring the traffic (*for all ECORD websites*)

ECORD in April:

> 85,100 hits (average=65,000)

most visited pages: Newsletter #20 (11%), ECORD News, homepage

ECORD photo gallery

- 4 categories: MSP expeditions, Summer Schools, events, workshops & meetings
- Science?

<http://www.photo.ecord.org>

Social Networks

- Twitter (187 followers)
- ESSAC facebook (Julia)

In addition, P. Maruejol presented her updated work in the ECORD photo Gallery.

P. Maruejol asked to the audience if it was necessary to include science photos in the photo gallery.

ECORD/IODP in the News

Challenges of Arctic Drilling

Dave McInroy interviewed on BBC4, January 2013

IODP appears on National Geographic (April 2013)

"A hidden victim of Somali pirates: Science" (see ECORD News)

Magazine Océano #4 (*science and technology magazine*)

IODP report with Expeditions 318 & 339 (*in Spanish & Portuguese*)

JFAST Expedition in Nature News

First data of temperature observatories (E. Brodsky)

Check ECORD News posted on <http://www.ecord.org>

More ECORD/IODP in the national news...

Future activities (June - October 2013)

Events

ECORD at Goldschmidt 2013, 25-30/8, Florence, Italy

12 sqm booth reserved (booth #36)

ICDP is invited

no IODP session

ECORD at 3P Arctic, October 15-19, Stavenger

9 sqm booth

to be further discussed with ECORD-ILP and ESO

no IODP session

Supporting ESO during the outreach activities of the Baltic Sea Expedition (flyers, media conferences, etc.)

Publications

ECORD Newsletter #21 - late October 2013)

Call for contributions to be issued early July

Deadline for authors' contributions: October 1, 2013

Report of Magellan+ Workshops: Cretaceous Greenhouse + DREAM

Highlights on an IODP proposal with ECORD lead proponent?

Materials/resources: JFAST core replica for ECORD use (to contact Co-chiefs)

Press event: Launching IODP 2013-2023?

Next ECORD O & E Task Force meeting: October 8-9, 2013 in Paris

ECORD Outreach in the new phase

Interactions with the new ECORD entities

ECORD Facility Board: started on March 2013

ECORD ILP in progress

Interactions with IODP

to be continued with members: *JR/USIO* (Matt Wright / Deep Earth Academy) and *Chikyu/CDEX* (Tadashi Yoshizawa)

IODP Forum & Support office: how?

Interactions with other programmes

to be continued with ICDP (EGU 2014, *Scientific Drilling*, Magellan+)

but also IMAGES and others?

3.6 Standard measurements and sample/data policies in the new IODP

U. Roehl presented some of the issues regarding the standard measurements and sample/data policies in the new IODP.

IODP Measurements

· DSDP/ODP/IODP have collected from below the seafloor onboard the various platform a unique and incomparable wealth of scientific samples and data (legacy)

· The current Implementing Organizations (IOs) are committed to maintaining an unified approach (with overarching STP)

· The Scientific Technology Panel (STP) will be deactivated at the end of the current program.

IODP Policies & Guidelines

Policies

- ::  [IODP Conflict-of-Interest Policy \(31.12 KB\)](#)
 - ::  [SASEC Conflict of Interest Policy \(16.89 KB\) \(until September 2011\)](#)
 - ::  [IODP Environmental Policy \(20.43 KB\)](#)
 - ::  [IODP Proposal Confidentiality Policy \(52.81 KB\)](#)
 - ::  [IODP Site Survey Data Confidentiality Policy \(73.3 KB\)](#)
 - ::  [IODP Sample, Data, and Obligations Policy \(344 KB\) Updated 15 March 2012](#)
- The [ODP policy](#) applies to DSDP or ODP samples requested before Nov. 1, 2005.

Procedures/Guidelines

- ::  [IODP Depth Scales Terminology v.2 \(1.5 MB\)](#)
- ::  [IODP Staffing Procedures \(40 KB\) Updated 16 September 2011](#)
- ::  [IODP Measurements \(123 KB\)](#)
- ::  [3rd Party Tools Guidelines \(130.68 KB\)](#)
- ::  [3rd Party Tool Development Procurement and Deployment Guidelines \(196 KB\)](#)
- ::  [IODP 2nd postcruise meeting guidelines \(52.99 KB\)](#)

Updated: March 2012

IODP Minimum Measurements

Minimum Measurements:

Defined as measurements that shall be conducted in all boreholes and on all cores in IODP. This statement does not preclude the taking of whole-round core samples on an as-needed basis to achieve specific science objectives and/or obtain legacy samples.

Biostratigraphic
Visual core description
Smear slides
Thin sections
Split-core digital photography (section line-scan and/or table layout)
Core logging: <ul style="list-style-type: none">• natural gamma ray• gamma ray attenuation• magnetic susceptibility
Temperature profile
Moisture and density/porosity (discrete samples)
Downhole logging: <ul style="list-style-type: none">• natural gamma ray• spectral gamma• density• porosity• resistivity• sonic• borehole imaging
Borehole depth scale

IODP Standard Measurements**IODP Standard Measurements:**

Defined as standard measurements that shall, whenever practicable and appropriate, be carried out across all platforms and/or shore-based labs).

Core Petrophysics:

Natural remnant magnetism (NRM) with step-wise demagnetization
Core logging: P-wave velocity
P-wave velocity (on split cores)
P-wave velocity (discrete samples)
Thermal conductivity (both whole core and pieces)
X-ray CT scanning
Whole round core digital surface photography
Color reflectance
Close-up and micro-imaging
Core orientation and structural measurements

Downhole Petrophysics:

Vertical seismic profile or checkshot
Downhole pressure
Open-hole temperature
Caliper
Magnetic susceptibility
Magnetic field

Note: For MSPs, downhole minimum/standard measurements may be dependent on the size of the borehole.

Microbiology and Geochemistry:

Pore Water Chemistry (e.g., nutrients, pH, alkalinity, sulfate, chloride, major and trace elements)
Whole rock major and trace elements
Microbiology (Cell counts on fixed samples)
Bulk carbon-hydrogen-nitrogen-sulfur (CHNS) analyses
Contamination testing
Carbonate analyses

Rig Floor

Weight on bit
Penetration rate
Mud pressure
Mud density
Mud logging (including gas analysis)
Driller depth
Pumping rate
Rotation rate
Heave compensation

IODP Policies and STP

STP Consensus Statement 1209-02: Continuation of Existing Measurement and Sampling Policies into the New IODP

STP strongly advises the leadership of the new IODP to continue to enforce the current IODP cross platform measurement and sampling policies regardless of the structure of the new IODP SAS.

Background to STP Consensus Statement 1209-02: Minimum and Standard Measurements, and Sample, Data, and Obligation Policies have been instrumental in the success of the existing IODP program, and to the utility of the results samples and data continuing into the future. STP and its precursor panels have developed and have guarded the collection of basic minimum and standard measurements across the platforms. To reiterate the existing policy “Minimum measurements are to be conducted in all boreholes and on all cores collected in IODP. Standard measurements are those which are practical and appropriate to be obtained across all platforms.” STP strongly recommends that these policies be continued in the new IODP.

Measurements in new IODP

· “Oversight of the technology, scientific measurements, and information handling on each platform is addressed by small panels and/or ad hoc committees working under each Implementation Organization (IO) to deal with platform specific issues.”

(from: ‘Framework for the International Ocean Discovery Program’)

- Each IO will have autonomy to modify measurements and information management.
- Who will provide essential quality control and cross-platform standardization?
- ensure a continuation of high-quality, standardized service to the scientific community,
- e.g., continuing to apply the IODP Sample, Data, and Obligations Policy into the new program,
- however, similar to the way it has been applied in the current IODP, implementation of the policy should remain flexible.
- we should act before the new drilling program begins.

IODP Core Repositories

Re. Continuation of proven procedures

IODP repositories agreed to keep well-developed and proven procedures, including:

- Multi-repository requests will be reviewed for approval by the IODP Curator/repository that houses the lowest numbered leg/expedition listed in the sample requests.
- The creation of permanent archive lists is the responsibility of the IODP Curator for the drilling operator that obtained the cores.

It was agreed to hold quarterly conference calls including the chair of the Curatorial Advisory Board (CAB).

Re. Sample and Data Requests System(s)

- There is a new “IODP Sample and Data Requests” system (**SaDR**)
- Agreed to use it for post-moratorium requests, and then implement it for future IODP Expeditions when each IO agrees it is ready for their expedition requests.
- Expeditions currently using **SMCS** continue to use them through their moratorium period, so that all sample requests under the supervision of the Expedition SACs will be in the same database.
- The existing USIO consortium should ensure support for the new system through the end of FY14. Uncertainty of funding for the system in the future.

IODP Core Repositories

Re. The role of the Curatorial Advisory Board (CAB)

We agreed that the Curatorial Advisory Board (CAB) should be kept in the new program as an advisory and mediating body.

The document [Framework for International Ocean Discovery Program*](#) states that “the repository heads will select members of the community to act as a Curatorial Advisory Board, which will act as an appeals board for issues associated with sample distribution and assist in reviewing and approving requests to sample permanent archives.”

*Aug 17, 2012

www.iodp.org/doc_download/3485-newiodp-framework-17-August-2012

IODP Facility Boards (FBs)

- ECORD FB, March 7-8, 2013
- Created a group to address „Recommendations, rules, and procedures“

JOIDES Resolution FB, March 18-20, 2013

· Subgroup to develop a set of basic measurements and another subgroup will begin review of the Sample, Data and Obligations Policy. The curators will be requested to provide an implementation process.

More integrated service for the science community

Continuation of high-quality, standardized service

U. Roehl pointed they are seeking ESSAC support for their mission to ensure a continuation of high-quality, standardized service to the scientific community in the International Ocean Discovery Program. In the discussions that followed, ESSAC Delegates had unanimous concerns about the effect in the science/scientific community of the loss of a common approach by implementing organizations in the collection, curation and management of data.

ESSAC CONSENSUS 1306-06: ESSAC is very concerned about the potential loss of a unified approach regarding IODP measurements, core sampling procedures, data management, and publications across the three platform providers in the new program and strongly supports a common procedure for all platforms. The three Facility Boards should be in charge of the oversight of the implementation of these common policies.

3.7 ESSAC representatives and National Office reports

Each ESSAC Delegate gave a short summary about the latest national activities regarding IODP and ECORD issues.

Reports from Delegates:

K. Mertens: - nothing to report

M. Seidenkrantz: They do not know yet if there is funding for the next ten years or not. The Danish funding agency has to set up a committee that will make decisions about infrastructures in the future. They plan outreach activities related to the 347 and promote them in a website. Bo Barker expedition meant that there is no funding for IODP related research. There are no funds for work post-expedition. Nevertheless, she has managed to rise special funding for a couple of seismic cruises. The seismics expeditions will take place next year and will focus on the Holocene. She mentions the C. Hillaire-Marcel has been invited to give his DLP lecture in the Arctic Research Center.

R. Stein: He informs about funding he got for Canadian research training group for 12 Phd positions for climate reconstruction in the North Atlantic related to upcoming IODP proposals. R. Stein will send an open call. J. Erbacher is concerned about the number of applicants to be received for IBM. He suggests to contact the national office directly before the deadline to see if there are enough applicants. If not, they could contact directly some people. They do not have to be involved in IODP and can explain how they can benefit from this. 5 extra applications were received.

K. Strand: most exciting news is the upcoming Expedition 347 with 2 Finish scientists sailing: 1 onboard and 1 shorebased. He announces he will rotate off from ESSAC after this meeting and will be substituted by the Geological Survey leader of marine geological activities. They do not have an alternate yet but will try to get a young scientist. K. Strand student has been working with ACEX

materials and now has two publications in review. Finland will continue in the next IODP. The Academy of Finland wants also to continue the post cruise support.

D. Weis: She informs about the participation of K. Gillis as co-chief of the 345 Exp., 5 Canadian in 341s, and 1 in 341. IODP Canada supported 2 educators in the JOIDES *Resolution* for the School of Rock 2013: Exploring Ocean Cores and the Geology of the Pacific Northwest, 1-9 April, Victoria..During the port call 5 tours were given for the Canadian Consortium for Ocean Drilling. Canada needs to prepare a report for the past ten years of activity and participation in IODP and send them to convince the funding agency for future participation in the new IODP. However, many programs until now have been killed (i.e., Neptune, Arctic, etc. ...)

L. Lourens: It has been a quiet year. The white paper has been accepted. They received the KT boundary and PTM replicas from Patricia. Exp 339 had one meeting with Dutch members of IODP to make an IODP day Oct 2015. Netherlands has a scientist participating in the Baltic Sea Expedition (Caroline Slomp)

A. Voelker: Good news, MoU will be signed. She believes the activities around 339 helped. For the last National project funding call, 5 projects were submitted for 339. C. Lopes will be sailing on Asian Monsoon, 346 Expedition. She was happy to receive an application for the emergency Call for S China Sea (349) from a senior scientist.

B. Wade: The IODP management office has been very active in the bid to NERC to participate in the new IODP, and for indirect funds to support scientists. The bid was presented early March. NERC cancelled the making of decision. She informs about the success of the Magellan Plus Cretaceous workshop in London and the participation of 5 UK scientists in the Chikyu +10 Workshop. Supported scientists for grants for those who sailed. There are a high number of applications.

X. Monteys: There are no news.

I. Snowball: He has good news to report since the Swedish Research Council has accepted the proposal for the IODP contribution at same level approximately. Also, it funded ICDP including funding for and ICDP pilot hole. The proposal for the IODP-Sweden support office failed, but it has been re-submitted (I. Snowball, J. Backman, M. Ask and others as proponents) and the decision will be known in November. About the Baltic expedition, he was invited to the Baltic Expedition and has accepted, along with Elinor Andrén.. There has been an increase in pressure from Swedish-based applicants to sail. M. O' Regan became elected as PEP member without the Swedish Research Council knowing and there have been some issues about how to cover the travel costs for O'Regan to attend these meetings. M. Ask has obtained funding for infrastructure (laboratory stress equipment) and this is very valuable for IODP scientists. They are considering a core processing facility that can be used to the Swedish drilling program. Replacement of ECORD council member is taking place.

M. Sacchi: He is substituting Enrico Brugnoli in this meeting. He informs Enrico will not be the ESSAC Delegate because he is a manager and they are in the process of nominating an ESSAC Delegate. CNR level of contribution for Italy for the next IODP they will keep the minimum level of 100K euro for the next 10 years. In addition, negotiation with the Ministry are ongoing to increase this contribution. He is confident to raise contribution to a level between 300-400K euro a year, but all is in negotiations now.

S. Uscinowicz: Informs about several items: 1) There is a palynologist in 347 onshore and funding is secure for analytical work. They want to build a team of Palynology for execution of these analyses since there are many samples for 1 person. 2) Looking for funding national level for prolongation of analyses after the moratorium. There is a large community around the Baltic countries interested in investigating samples after the moratorium, which is an opportunity to organize cost action launched in January. They are waiting for result very soon, and it would be

great opportunity for developing internal project related to Baltic expedition. 3) Investigation in oceans is increasing.

S. Berné: He thinks that the participation in new program will be ok but G. Camoin will announce it during the open session of council. They are in process of creating a Scientific Committee for IODP France. Up & downs in French participation continue to result in a negative quota. However, there are two people in Asian Monsoon 346 Expedition, 1 French participant in 344, G. Celeuner and J. L. Berenguer in 345 and another French in 338.

W. Piller: Similar to the report from France. Not for science but for political reasons. Positive responses but nothing signed, but he is positive.

C. Escutia: She mentions that the Spanish IODP community is very active, Spain has many applicants to sail in IODP Expeditions, Grants and Scholarships, and that the young IODP community has increased a lot. Some of the activities Spain has been involved are:

- The Scotia Sea Symposium at the Instituto Andaluz de Ciencias de la Tierra. Resulting from this Symposium some IODP proposals will be submitted.
- Jose Abel Flores from the University of Salamanca has arranged for an Exhibition titled "Ocean an Time" that has a very heavy component in IODP drilling activities.
- IODP-Spain Office prepared a report of the 10-year program activities for the Ministry to evaluate the continuation of Spain in the new IODP. Since then we had a meeting with the Ministry and they suggest the collaboration with the industry to co-fund our participation.

4. ECORD Highlights

4.1 Kai Uwe Hinrichs presented the "Preliminary results from Expedition 337: Deep Coalbed Biosphere off Shimokita"

5. Breakout sessions

5.1 Introductions

Introductions were provided by C. Escutia to guide discussions:

N & S Subcommittee

-Review rankings for Expedition 348 and provide nominations

Issues to consider: 2 applicants from Spain / Quotas

Emergency call: Deadline 7 June

-Proposal by B. Wade about standardizing length of CV

-Discussion of affiliation when submitting proposals for expeditions

E & O Subcommittee

-Review rankings for ECORD Grants and provide nominations

ESSAC budget is 15000€ for 2000 approx/each grant

- Some issues to consider during discussions:

- S. La Fuerza received an ECORD Grant in 2012
- Several candidates from same institutions (i.e., Institut du Globe-Paris, Imperial College - London)

- Any issues regarding Grant criteria, other that ESSAC should look into/change?
- Discussion regarding the Scholarship ranking and nomination Process FY13. What can be improved?

5.2 Breakout sessions ESSAC Nomination and Staffing / Education and Outreach / AD-HOC Working Group

The ESSAC Nomination and staffing Education and Outreach Subcommittees met for 50 minutes for discussions. Results of these discussions are presented in items 7.1, 7.3, 7.4, 8.2, 8.3 and 8.5.

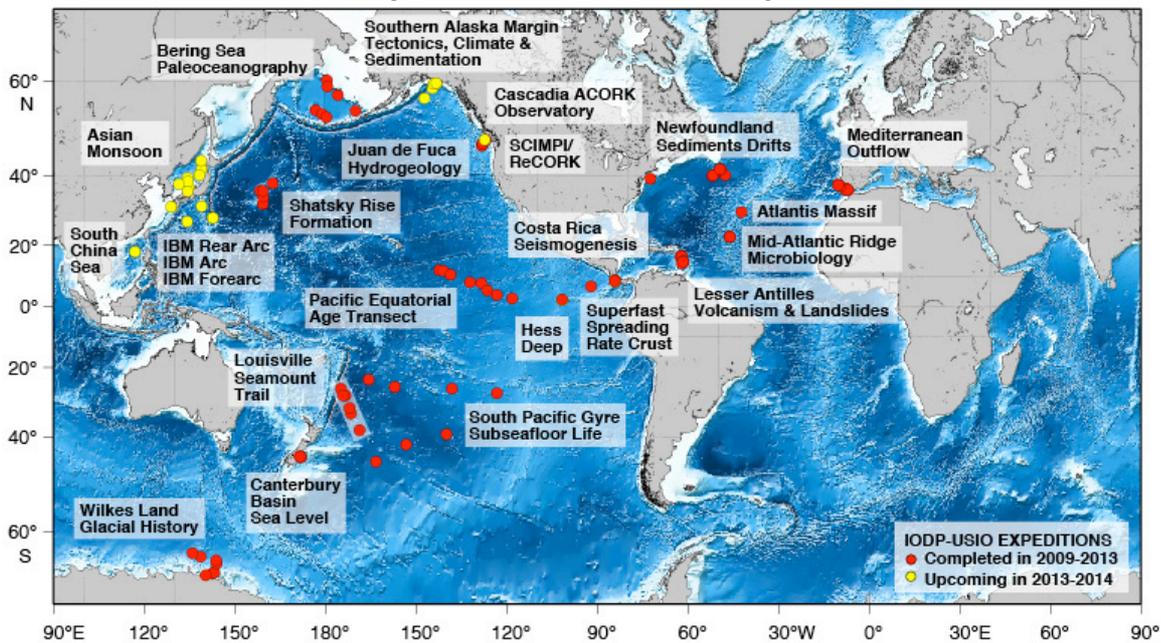
6. ECORD highlights

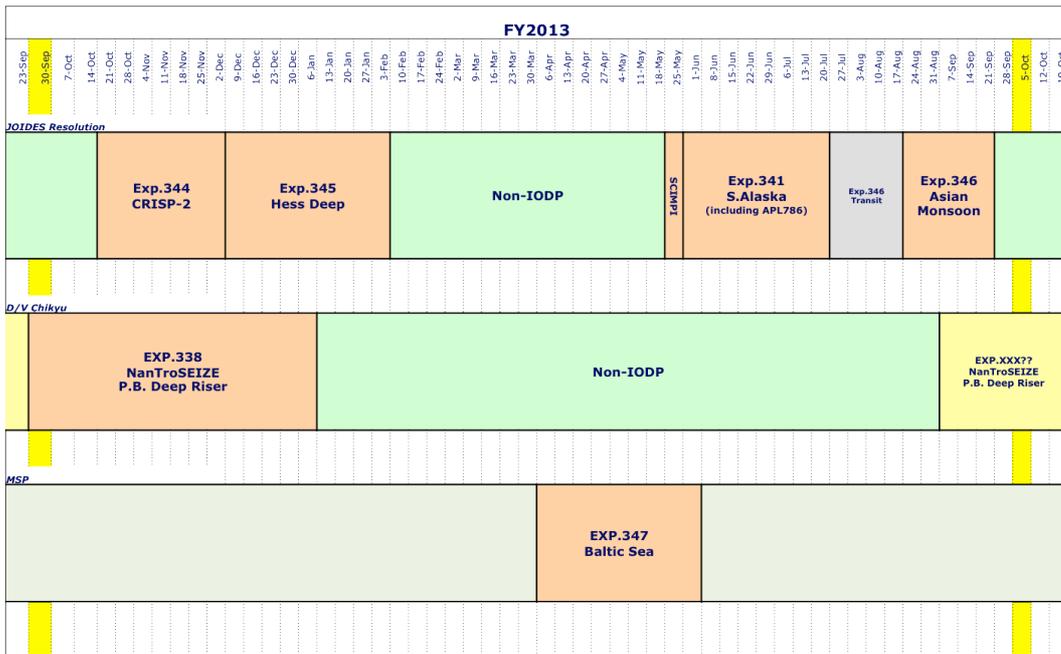
6.1 DLP Lecturer Roger Urgeles presented the ECORD Distinguished Lecture (DLP) in “Submarine landslides and derived tsunamis, new challenges for the IODP”.

7. Nominations and Staffing

7.1 Nominations and Staffing

C. Escutia updated the ranking procedures, quotas, staffing and applications on expeditions.





Expedition 341 Southern Alaska Margin Tectonics, Climate & Sedimentation (29 May-29 July, 2013)

South Alaska		IODP PMO, Initial Staffing Target = 30										
Berth #	Responsibility	Name	Status	Affiliation (ranking)	J-DESC (8)	ESSAC (8)	USSAC (8)	IODP-China (1)	ANZIC (1)	K-IODP (1)	INDIA (1)	BRAZIL (2)
1	Co-chief Scientist	JAEGER, John	accepted	USSAC			1					
2	Co-chief Scientist	GULICK, Sean	accepted	USSAC			1					
3	USIO Expedition Project Manager	SCHNEIDER, Leah	accepted	USIO			1					
4	USIO Logging Staff Scientist	SLAGLE, Angela	accepted	USIO								
5	USIO Logging Staff Scientist	DRAW, Laureen	accepted	USIO								
6	Core Description - Sedimentologist (1)	COWAN, Ellen	accepted	USSAC (1)			1					
7	Core Description - Sedimentologist (2)	FORWICK, Matthias	accepted	ESSAC (1st,N)			1					
8	Core Description - Sedimentologist (3)	BAILEY, Ian	accepted	ESSAC (1st, UK)			1					
9	Core Description - Sedimentologist (4)	MOY, Chris	accepted	ANZIC					1			
10	Core Description - Sedimentologist (5)	DOTTONI, Fabiana	accepted	BRAZIL								1
11	Core Description - Sedimentologist (6)	BAHLBURG, Heinrich	accepted	ESSAC (1st,D)			1					
12	Core Description - Sedimentologist (7)	MUELLER, Juliane	accepted	ESSAC (1st,D)			1					
13	Core Description - Structural Geologist (8)	RIDGEWAY, Kenneth	accepted	USSAC (1)			1					
14	Physical Properties/Stratigraphic Correlator	MIX, Alan	accepted	USSAC (1)			1					
15	Physical Properties/Stratigraphic Correlator	ST-ONGE, Guillaume	accepted	ESSAC (alt 1st;C)			1					
16	Physical Properties Specialist	DAVIES, Maruven	accepted	ANZIC					1			
17	Physical Properties Specialist	KIOKA, Arata	accepted	J-DESC (5,s)			1					
18	Physical Properties Specialist	OJIMA, Takanori	accepted	J-DESC (2,s)			1					
19	Physical Properties Specialist/Core-log-seismic Integration	WORTHINGTON, Lindsey	accepted	USSAC (1,pd)			1					
20	Paleomagnetist (1)	STONER, Joseph	accepted	USSAC (1)			1					
21	Paleomagnetist (2)	GE, Shulan	accepted	IODP-China				1				
22	Geochemist, Inorganic	MAERZ, Christian	accepted	ESSAC (spec call)			1					
23	Geochemist, Inorganic	NAKAMURA, Atsunori	accepted	J-DESC (6,s)			1					
24	Geochemist, Inorganic	BERBEL, Glauca	accepted	BRAZIL								1
25	Geochemist, Organic	MCCLYMONT, Erin	accepted	ESSAC (1st, UK)			1					
26	Geochemist, Organic	CHILDRESS, Laurel	accepted	USSAC (1,s)			1					
27	Microfossilologist - diatom	SUTO, Itsuki	accepted	J-DESC (1)			1					
28	Microfossilologist - diatom	ROMERO, Oscar	accepted	ESSAC (alt 1st;ES)			1					
29	Microfossilologist - diatoms	KONNO, Susumu	accepted	J-DESC (3)			1					
30	Microfossilologist - diatoms	FUKUMURA, Akemi	accepted	J-DESC (2,s)			1					
31	Microfossilologist - planktonic foram	ASAHI, Hirofumi	accepted	J-DESC			1					
32	Microfossilologist - benthic/planktonic foram	BELANGER, Christina	accepted	USSAC (1,s)			1					
33	Microfossilologist - radiolarians	GUPTA, Shyam	accepted	INDIA							1	
34	Microfossilologist - radiolarians	MAITSUJISAKI, Kenji	accepted	J-DESC	1							
35	Operations Superintendent	MIDGLEY, Steve	accepted	USIO	7	8	9	1	2	0	0	2
36	Schlumberger Logging Engineer	SWAIN, Kerry	accepted	USIO								
37	Lab Manager	DAVIS, Dan	accepted	USIO								
					Total Scientists = 29							

8 ESSAC:

- 3UK (I. Bailey, E. McClymont, C. Maerz)
- 2D (H. Bahlburg, J. Mueller)
- 1CAN (G. St-Onge)
- 1N (M Forwick)
- 1E (O. Romero)

Expedition 346 Asian Monsoon(29 July-28 September, 2013)

Expedition 348: NanTroSEIZE Experiment 3: Plate Boundary Deep Riser

(TBD around 15 August? 2013)

Ranking Completed

Emergency Call Issued with deadline 7 June 2013

Candidate	Country	Expertise	Position
Crespo, Ana	Spain	Structural Geologist Physical Properties, Specialist Structural Geologist	Full Professor Senior CNRS Researcher
Henry, Pierre	France		
Jurado, Maria José	Spain	Logging, Downhole Measurements Physical Properties, Specialits Structural Geologist	Researcher
Kopf, Achim	Germany	Inorganic & Organic Geochemist, hydrologist, Physical properties...	Professor
Hammerschmidt, Sebastian	Germany	Geophysicist, Logging Scientist, Physical Properties...	graduate student
Sone, Hiroki	Germany		Research scientist

Expedition 349 South China Sea CPP (28 January-30 March, 2014). Escutia also showed the Expedition Plan for FY14.

Candidate	Country	Expertise	Position
Bao, Rui	Switzerland	Organic Geochemist Geophysicist, Physical Properties,	PhD student Research assistant
Briais, Anne	France	Structural geologist	Lecturer
Carvalho, Claire	France	Paleomagnetist	PhD, Structural Geologist
Cavailles, Thibault	UK	Petroleum Geologist, Logging, Petrologist, Stratigraphic correlator, Structural Geologist	Master 's Degree Student
Deza Arujo, Mara Muriel	Finland	Biologist, Paleontologist	
Ehmann, Sebastian	Germany	Geophysicist Looging, Downhole Measurements	PhD student Assistant
Liu, Yajing	Canada	Geophysicist Logging Scientist Physical Properties Specialist Structural Geologist	Professor
Smith-Duque, Cristopher	UK	Petrologist Metamorphic Petrologist	Post-Doc

While ranking is in process:

T. Cavailles: Withdraws his application

Mara Deza: Advisor confirms she has no affiliation at this time after end of Master

ESSAC issues an Emergency call 24 May with deadline 31 May

ECORD Nominations to USIO 1 June: Staff from 6 ECORD scientists nominated from original call and select from emergency call other 2

Expeditions Izu Bonin Mariana (IBM)

Exp 350 IBM Rear arc (March 30-May 30, 2014): The primary objective is to obtain a temporal history of across-arc variation in magma composition during five main intervals of arc evolution.

Exp 351 IBM Arc Origins (May 30-Jun 30, 2014): Will examine the inception and evolution of the IBM Arc by obtaining a sedimentary and crustal record from the Amami Sankaku Basin.

Exp 352 IBM Forearc (July 30-September 29, 2014): Aims to examine early processes in magmatic evolution.

chemostratigraphy and arc crustal accretion that are associated with subduction initiation at intra-oceanic convergence plate margins.

- Julian Pearce (UK) co-chief Exp 352
- Ranking of applicants to proceed after ESSAC # 20 meeting

FY14 MSP Proposals E FB

- End of FY 14: Chicxulub
- FY15 Atlantis Massif
- Hawaiian (1st priority) & Coralgal Banks (2^o priority)

EXPEDITION USIO	#	Dates	Status	ECORD Staffing
Southern Alaska Margin Tectonics, Climate & Sedimentation	341	May 29-Jul. 29 2013	Completed	8 ECORD: 3UK, 2D, 1 CAN, 1E, 1 N
Asian Monsoon	346	July 29-Sept. 28 2013	Completed	8 ECORD: 3UK, 2D, 2F, 1P
South China Sea CPP	349	January 28- March 30 2014	<i>In progress</i>	4 ECORD berths?
Izu Bonin Margin	350- 351- 352	March- September 2014	<i>In progress</i>	Ranking to proceed after ESSAC meeting

EXPEDITION CDEX	#	Dates	Status Staffing	ECORD Staffing
NanTroSEIZE Plate Boundary Deep Riser – 3	348	August 2013	<i>In progress</i>	Nominations @ ESSAC meeting

EXPEDITION MSP	#	Dates	Status Staffing	ECORD Staffing
Baltic Sea Paleoenvironment	347	Ship: Summer 2013 Onshore: Fall 2013	<i>In progress</i>	14 ECORD: 3 SWE, 2Dk, 2 D, 2 UK, 1 F, 2 Fin, 1 NL, 1 Pol 2 co-chiefs (SW + DK)

With FY12 contributions up to date

A.Mon Baltic			Member	NEW Financial Contribn	NEW Entitlement	ALLOC	Co-chief
Exp3 46	Exp3 47	Total berths so far					
2	1	80	France	25.6%	94.6	-14.6	7
2	2	97	Germany	26.3%	97.3	-0.3	6
3	2	94	UK	25.8%	95.3	-1.3	6
7	5	271	Sum	77.6%	287.2	-16.2	
		3	Austria	0.5%	1.9	1.1	
		1	Belgium	0.1%	0.5	0.5	
		11	Canada	1.7%	6.4	4.6	2
	2	10	Denmark	1.9%	6.9	3.1	1
	2	4	Finland	0.4%	1.4	2.6	
		0	Iceland	0.1%	0.5	-0.5	
		1	Ireland	0.7%	2.6	-1.6	
		10	Italy	1.1%	3.9	6.1	2
	1	8	The Netherlar	1.9%	6.9	1.1	1
		11	Norway	5.1%	18.9	-7.9	
	1	1	Poland	0.0%	0.1	0.9	
1		5	Portugal	0.5%	1.9	3.1	
		13	Spain	2.6%	9.5	3.5	2
	3	11	Sweden	3.2%	11.8	-0.8	2
		10	Switzerland	2.6%	9.5	0.5	1
1	9	99	Sum	22.4%	82.8	16.2	
8	14	370	Total ECORD		370	0.0	

SW,D

ESSAC Consensus 1306-07: ESSAC recommends the ECORD Council that in the new IODP the quota allocation is reset to zero

7.2 ESO

A. Stevenson reported about the news of ESO.
(same information as in the Agenda book)

IODP Expedition 347: Baltic Sea Basin Paleoenvironment

The *Greatship Manisha* is currently on contract to the Korean Institute of Ocean Science and Technology (KIOST), undertaking work offshore Tonga. Potential extensions to that contract have widened the Expedition 347 start date window to 1- 30 July, departing from Copenhagen. The duration of the expedition will remain at 60 days. The timing of the Onshore Science Party will

remain under review until the vessel schedule is confirmed, but for the time being the date is unchanged and the OSP is still expected to start during the first week of November 2013.

On 5 March, a contractor meeting with Island Drilling and the potential logging contractor was held at the BGS Edinburgh offices. Technical details, deck layout and the vessel schedule were discussed. Staff members from all ESO partners were in attendance. The ESO team at the University of Leicester are progressing with logging contract negotiations, with S Davies working with the University of Leicester Purchasing Office and Research Office to prepare for letting the logging sub-contract. Regular discussions regarding logging operations for the expedition have continued with the proposed contractor.

Applications to conduct scientific research in Danish and Swedish territorial waters were submitted earlier this year by D McInroy, and are currently under consideration by the Danish and Swedish authorities. The ESO team at the University of Leicester have acquired the MSCL source permit for Sweden as an extension to Södertörn University's permit. Additionally, the MSCL source permit for Denmark is confirmed.

The order for three new ESO containers (Science, Data Management, ESO office) has progressed, and the containers were delivered to the BGS on 26 April. In the coming weeks the containers will be outfitted, and newly purchased IT equipment will be installed.

The ESO Bremen team has been planning the curation, sampling and scientific program, which has been documented in the Scientific Prospectus, the Sample and Measurement Plan, Core Flow figures, and the Expedition 347 Offshore Analyses Handbook. Detailed planning for the microbiology and geochemistry requirements has been ongoing, including the screening of incoming sample request revisions, planning for the required lab space, outfitting of the new containerized microbiological laboratory, and upgrading the existing laboratory containers.

ESO is continuing to work with the Co-chiefs and PMOs to finalise the Science Party. At the time of writing, two sedimentologist positions were unfilled.

A. Stevenson and A Gerdes compiled a draft Communications Plan for Expedition 347, which was distributed to the Co-Chief Scientists and Expedition Project Managers. Plans include a press conference in Copenhagen at the start of the expedition and A. Gerdes has made preliminary contact with venues that could potentially host the event.

A. Stevenson mentions that Port-Call activities should be discussed.

S. Berne concerns about that training should exist for the Baltic Sea Expedition, in general for the MSP platforms. A. Stevenson agrees. It should be a good idea to discuss it.

IODP Proposal 548: Chicxulub K-T Impact Crater (possible FY14/FY15 expedition)

On 15 January, a hazard survey contractor meeting with the University of Texas was held at the BGS Edinburgh offices, attended by Sean Gulick (University of Texas), BGS and contracting staff. Technical details, the project schedule and contractual matters were discussed.

The hazard survey successfully took place offshore Mexico from 17-22 April, and a full report will be submitted by the contractor to ESO in due course. The survey imaged almost typical karst topography with a few sinkholes over the area and a small escarpment in the NW, but not in the vicinity of the 3 drill sites. The small and large scale depressions will be mapped out in full by the contractor. There are some subtle localised sea bed undulations (~1m in height) and the substrate appears 'hard'. The surface tow boomer and CHIRP performed well although they provided negligible penetration due to the hard karst topography. Only 2 of 9 cone penetrometer tests (CPTs) were conducted, as the sea bed was found to be very hard by the sub-bottom profiling and side-scan sonar. The 2 CPTs that were conducted both hit rock and the cones burst. Instead, sea bed grab samples were taken at sites around the drill sites. The grab samples showed that there is rock at sea bed over the entire area with a veneer of sand-sized sediment forming ribbons across the rock platform. No wrecks or unidentified objects were found.

ESO has lodged the Chicxulub hazard survey data at the BGS on ECORD's behalf. The data and IPR are owned by ECORD, and the data will be held on a restricted basis. Anyone can access the data provided they request permission from ECORD. Users will be obliged to acknowledge ECORD in any publications or outputs.

Depending on confirmation of FY14 funding from ECORD, ESO will start the tendering procedure later this year for the provision of drilling services with a view to implementing the drilling phase in late 2014 or early 2015, at the recommendation of the ECORD Facility Board.

7.3 Updates on SAS panels

C. Escutia presented rotations on panels and give an update of the applications received.

ECORD Membership in the New Science Advisory Structure (SAS)

Science Implementation and Policy Committee (SIPCOM)

Last meeting January 2013

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)

Next meeting June 20-21 (joint with SCP on 19th), Santa Cruz, CA, USA

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

* Chairman: term as chair of PEP has been extended to Sept. 31 2014

Note: Marguerite Godard to replace Adelie Delacour in PEP June meeting

Site Characterisation Panel (SCP)

Next meeting June 17-18 (joint with PEP on 19th), Santa Cruz, CA, USA

Gilles Lericolais	France (- Nov13)	Mads Huuse	UK (- Dic 15)
*Gabi Uenzelmann	Germany (- Nov12/- August 13)	Dave Mosher	CND (- Dic 15)

Environment Protection and Safety Panel (EPSP)

Last meeting April 8-9 College Station, TX, USA

Martin Hovland	Norway (Sep 10 -)	Philippe Lapointe	France (Dec 06 -)
Bramley Murton	UK (Sep 10 -)	Dieter Strack	Germany (Dec 03 -)

Nominations to ECORD Facility Board & ESSAC

FACILITY BOARD Membership Approved ESSAC "recommendation" by ECORD Council January 2013

Karsten Gohl (Alfred Wegener Institute, Germany) - Chair,

Antonio Cattaneo (Ifremer, France),
Dominique Weis (University of British Columbia, Canada),
Marta Torres (Oregon State University, USA)
Gerald R. Dickens (Rice University, USA)
ECORD Council Core Group
Director of EMA
Chair of ESSAC
Chair of ESO
Chair of ECORD ILP

ESSAC Consensus 1306-10: After an open call, ESSAC will nominate scientific members of the ILP before approval by the ECORD Council.

ESSAC Chair

5 applications received & ranked by ESSAC:

2 Switzerland

1 Sweden

1 UK

1 Spain

Gretchen Früh-Green - Switzerland

ESSAC Chair for FY14 & FY15

Note: ECORD Council has agreed to change the start of FYs.

In FY14 ESSAC will need to issue a call in order for next ESSAC chair to act as vice-chair starting spring 2015 meeting

7.4 N&S Subcommittee report, discussion and future actions (L. Lourens)

L. Lourens reported the N&S Subcommittee discussions (see item 5.1 of the agenda) and give an overview of the future actions, included in these two consensus statements.

ESSAC Consensus 1306-08: ESSAC decides to standardize the CV and publications list format for the applications to participate in an Expedition. The CV will now consist in a two page PDF-file. The publication list should include publications during the last 5-years, and other publications that are of relevance to the expedition.

ESSAC Consensus 1306-09: ESSAC approves that, starting with Expedition IBM, rankings will be conducted using a 5 star system.

8. Education and outreach

8.1 Summer Schools 2013 update

8.1.1 USSP: The Urbino Summer School in Paleoclimatology: Past Global Change Reconstruction and Modeling Techniques, 10-30 July 2013

L. Lourens gave a report of the ECORD Urbino Summer School.

scholarship	confirmation	E-MAIL	FAMILY NAME	NAME	Affiliation
	Y	florian.adolphi	Adolphi	Florian	Lund University
	Y	giovanni.baccro	Baccolo	Giovanni	universita' di Milano-Bicocca
	Y	biljana.basarib	Basarin	Biljana	University of Novi Sad
	Y	batesel@cardi	Bates	Stephanie	Cardiff University
NSF	Y	eaabrown@ma	Brown	Elizabeth	University of South Florida
EC	Y	adele.camerio	Cameron	Adele	Open University UK
UK	Y	matt.carmicha	Carmichael	Matthew	University of Bristol
	Y	clémence.caul	Caulle	Clémence	University of Angers
	Y	eduardo.chan	Chamarro	Eduardo Moreno	Max Planck Research School on Earth System Modelling, Max PI
EC	Y	tchen@geom	Chen	Tianyu	GEOMAR Helmholtz Centre for Ocean Research Kiel
	Y	jean.cors@ru	Cors	Jean	Leibniz Universität Hannover
	Y	sdee@usc.ed	Dee	Sylvia	University of Southern California
	Y	bellsduncan	Duncan	Bella	Victoria University of Wellington
	Y	genevieve.els	Elsworth	Genevieve	McGill University
	Y	maxime.enric	Enrico	Maxime	CNRS
	Y	david.evans.2	Evans	David	Royal Holloway University of London
	Y	guillaume.fon	Fontorbe	Guillaume	Lund University
NSF	Y	fungm2@rpi	Fung	Megan	Rensselaer Polytechnic Institute
	Y	carolineg_26	Gadowska	Karolina	Jagiellonian University
	Y	harada@astr	Harada	Mariko	University of Tokyo
NSF	Y	dtharper@uci	Harper	Dustin	UC Santa Cruz
	Y	jess7706@gm	Hinojosa	Jessica	University of Otago
NSF	Y	jeremy.hoffm	Hoffman	Jeremy	Oregon State University
EC	Y	ju.hoffmann	Hoffmann	Julia	University of Frankfurt
UK	Y	maxlo15@ba	Holloway	Max	British Antarctic Survey and the University of Bristol
NSF	Y	jacobel@ideo	Jacobel	Allison	Columbia University (Lamont-Doherty Earth Observatory)
NSF	Y	jimenez.glori	Jemnez	Gloria	U. of New Mexico
EC	Y	s.kaboth@uu	Kaboth	Stefanie	Utrecht University
C	Y	ekaterina.k	Kaparulina	Ekaterina	University of Oulu
	Y	jean-baptiste	Ladant	Jean-Baptiste	LSCE
UK	Y	ee08jll@leeds	Lakin	Jamie	University of Leeds
	Y	legarda.geo	Legarda Lisarri	Alba	Universidad de Zaragoza (NON SONO SICURO)
	Y	liddy@usc.ed	Liddy	Hannah	University of Southern California
	Y	pontus.larcoe	Lurcock	Pontus	Istituto Nazionale di Geofisica e Vulcanologia
NSF	Y	brittneyj.mar	Marshall	Brittney	University of South Carolina
	Y	achille.mauri	Mauri	Achille	École polytechnique fédérale de Lausanne (EPFL)
	Y	harrym@eart	McClelland	Harry	University of Oxford
	Y	mark.mckay	McKay	Mark	Texas A&M University Corpus Christi
NSF	Y	jessica.moerr	Moerman	Jessica	Georgia Institute of Technology
EC	Y	cherry.newsa	Newsam	Cherry	University College London
	Y	pnovajew@g	Nowajewski	Priscilla	University of Chile
	Y	emily.b.osbor	Osborne	Emily	University of South Carolina
	Y	lucie.peyrede	Peyrede	Lucie	Université du Québec à Montréal (UQAM) - Geotop
NSF	Y	porter.573	Porter	Stacy	Byrd Polar Research Center
	Y	js07c2lp@leeds	Prescott	Caroline	University of Leeds
UK	Y	eerlo@leeds	Rees-Owen	Rhian	University of Leeds
	Y	masinnes@vub	Sinnesael	Matthias	Vrije University
UK	Y	c.spencer-jones	Spencer-Jones	Charlotte Louise	Newcastle University
	Y	l.b.stap@uu	Stap	Lennert	Utrecht University
	Y	roysun1986	Sun	Ruoyu	Geosciences Environnement Toulouse
NSF	Y	james.super	Super	James	Yale University
	Y	hui.tang@helsi	Tang	Hui	University of Helsinki
	Y	t.j.t.veenstra	Veenstra	Tjerk	Utrecht University
	Y	andreaeventr	Ventrella	Andrea	Freelance Geologist
	Y	jianghaw@usc	ec Wang	Jianghao	University of Southern California
EC	Y	j.w.wu@uu	Wu	Jiawang	Utrecht University
	Y	weimu.xu@earth	Xu	Weimu	University of Oxford
EC	Y	kweku.yamoal	Yamoah	Afrifa Kweku Kyei	Stockholm University

Scholarships

ECORD

NSF

UK IODP

More scholarships are being awarded from EarthTime EU

58 students

USSP 2004-2013, 2014

Table 2. Statistics for previous USSPs and targets for subsequent USSPs. * Registration covers double-occupancy lodging, breakfast/lunch, course-materials, field trips, city/campus transportation, etc. ** Registration did/does not cover accommodation. *** Registration does not cover accommodation and meals.

	2004	2005	2006	2007	2008	2009
Duration:	9 days	2 weeks	2 weeks	3 Weeks	3,5 Weeks	3 Weeks
Total Instructors:	11	16	24	28	30	35
Total Students:	40	40	40	56	60	70
Student:Instructor:	3.6	2.5	1.7	2	2	2
Registration:	750 €*	850 €*	450 €**	550 €**	600 €**	600 €**

	2010	2011	2012	2013	2014	
Duration:	3 weeks	3 weeks	3 weeks	3 weeks	3 weeks	
Total Instructors:	35	33	35	35	35 (target)	
Total Students:	70	66	70	70	70 (target)	
Student:Instructor:	2	2	2	2	2 (target)	
Registration:	650 €**	650 €**	600 €***	600 €***	600 €***	

8.1.2 ECORD Summer School on Deep-Sea sediments from stratigraphy to age models, MARUM, Bremen, 9-20 September 2013.

R. Stein gave a report of the ECORD Bremen Summer School.

Costs for participants

Registration fee: 120 €

Hostel: 4/5 bed room 270 € or 2 bed room 320 €

Registration Documents: · letter of motivation · CV · registration form · letter of support

Deadline: April 30, 2013

Applications

44 applications (directly to Bremen and to ESSAC), **19 countries**

Spain	10	Portugal	2	South Africa	1
Germany	8	Turkey	2	Sweden	1
United Kingdom	3	Chile	1	USA	1
Austria	2	Finland	1		
Belgium	2	Greece	1		
Canada	2	Netherlands	1		
France	2	Peru	1		
Italy	2	Russia	1		

Contents of topical lectures

Introduction to the topic

The concept of geological time

Stratigraphy in the context of scientific drilling

Theme 1: Stratigraphic methods

Biostratigraphy, Chronostratigraphy

Magnetostratigraphy, Chemostratigraphy

Stratigraphic information in databases

Quantitative integrated stratigraphy

Theme 2: Astronomical tuning and time-series analysis

Milankovic theory

Cyclostratigraphy and astronomical tuning

Time-series analysis of geological records

Theme 3: Age models and hypothesis testing

Probabilistic age models

Case examples of age models constraining

Earth system processes

Lecturers and Virtual Ship instructors:

S. Bohaty, Southampton, UK

S. Davies, Leicester, UK

J. Erbacher, Hannover, Germany

T. Frederichs, Bremen, Germany

W. Hale, Bremen, Germany

O. Hammer, Oslo, Norway

D. Hebbeln, Bremen, Germany

M. Kucera, Bremen, Germany

H. Kuhlmann, Bremen, Germany

D. Lazarus, Berlin, Germany

S. Meyers, Wisconsin, USA

H. Pälike, Bremen, Germany

-
- I. Raffi, Chieti, Italy
 - U. Röhl, Bremen, Germany
 - P. Sadler, UC Riverside, USA
 - L. Schnieders, Bremen, Germany
 - J. Shakun, Harvard, USA
 - R. Stein, Bremerhaven, Germany
 - S. Steinke, Bremen, Germany
 - R. Telford, Bergen, Norway
 - S. Voigt, Frankfurt, Germany
 - H. Wallrabe-Adams, Bremen, Germany
 - T. Westerhold, Bremen, Germany

In addition, R. Stein presented the schedule of the Summer School.

8.2 ECORD Scholarships 2013, and ECORD Research Grants 2013

J. Gutierrez-Pastor gave summary of ECORD Scholarships and Grants 2013.

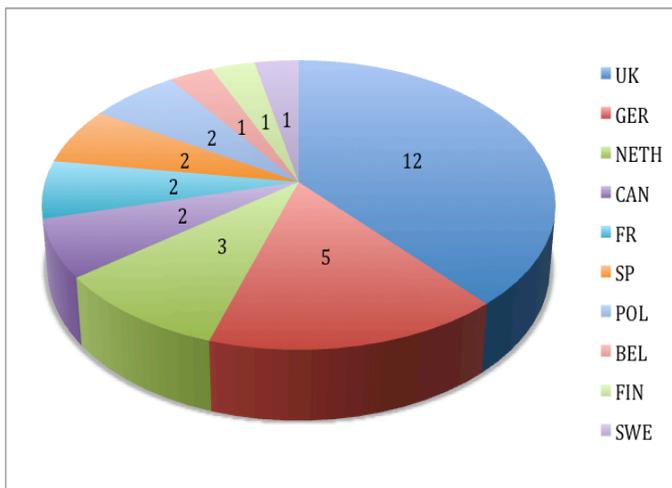
Scholarships

TOTAL BUDGET: 15.000€

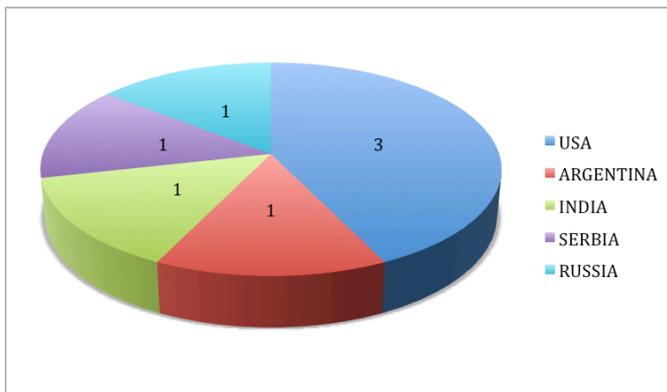
Total applications: 68

• Urbino 39

10 ECORD COUNTRIES



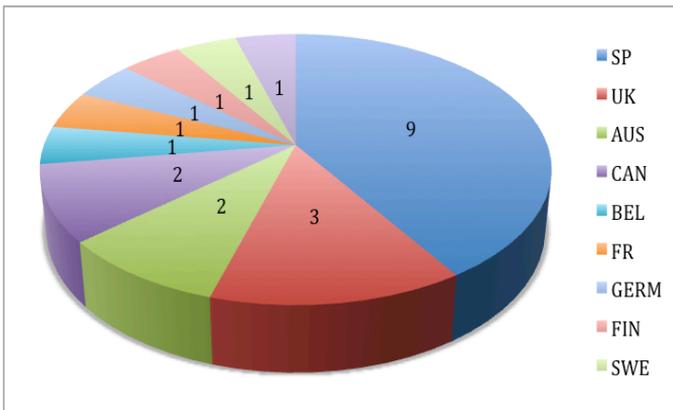
5 NON-ECORD COUNTRIES



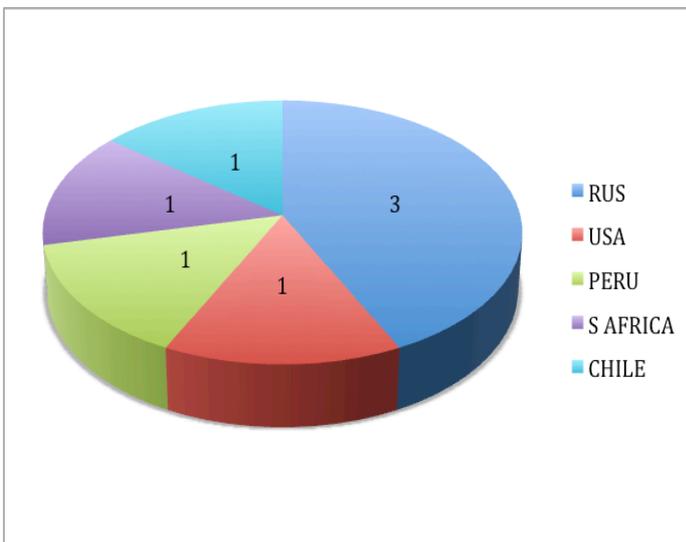
• Bremen

29 applications

10 ECORD COUNTRIES



5 NON-ECORD COUNTRIES



RANKING PROCESS

- Ranking done by the Summer Schools: the criteria was provided to the Schools (deadline 1 of April)
- ECORD Scholarship ranking/discussions by the E&O subcommittee was by e-mail during April, before the registration deadline of Bremen (30th of April) and led by Xavier Monteys
- According to the item 2 of the “ESSAC HANDLING OF THE REVIEW OF APPLICATIONS FOR ECORD SCHOLARSHIPS”:

One or two ESSAC Delegates will be responsible for checking the applications and the rankings and to provide ESSAC with recommendations”

Antje Voelker was in charge of the revision of Scholarships

- Urbino awardees: 8 students, 937 euros/student

Registration fee: 600 euros

Name		Country
Cameron	Adele	UK
Hoffman	Julia	GERMANY
Newsam	Cherry	UK
Chen	Tianyu	GERMANY
Wu	Jawang	NL
Kaboth	Stephanie	NL
Kaparulina	Ekaterina	FINLAND
Yamoah	Afrifa	SWEDEN

Bremen awardees: 12 students, 625 euros/student

Registration fee: 120 euros

Name	Country
Arreguin, Gabriela	Spain
Salabardana, Ariadna	Spain
Sheward, Rosie	Uk
Mckay, Claire	Sweden
Wofgring, Erik	Austria
Romanova, Alexandra	Russia
Poole, Chris	UK
Deprez, Arne	Belgium
Miramontes, Elda	Spain
Oskan, Mimmi	Finland
Haller, Christian	Germany
Dumoth, Matthew	UK

8.3 ECORD Summer Schools 2014

J. Gutierrez-Pastor gave an update of ECORD Summer Schools 2014.

Deadline to host a Summer School: May 15th, 2013

BUDGET: 20.000€

2 APPLICATIONS:

1. ECORD Bremen Summer School 2014 on Subseafloor Biosphere: Current Advances and Future Challenges

Budget applied: 12.500

2. Urbino Summer School in Paleoclimatology 2014

Budget applied: 20.000

J. Gutierrez- Pastor Summarized the contents, proponents, schedule and budget for each application.

ESSAC Consensus 1306-11: ESSAC approves that in 2014 two ECORD Summer Schools will be granted: the ECORD Bremen Summer School 2014 on "Subseafloor Biosphere Current Advances and Future Challenges", and the Urbino Summer School in Paleoclimatology 2014. Funding for these schools is at the level of 10K€ each.

8.4 Distinguished Lecturer Programme 2013/2014

J. Gutierrez-Pastor presented an update of the Distinguished Lecturer Programme 2013/2014.

Deadline to apply to Host a Distinguish Lecture: January 15th, 2013

(although late applications were considered)

COUNTRIES	INSTITUTIONS
AUS	Univ. Of Viena
B	Ghent University
C	Université du Québec
C	Dalhousie University Canada
C	Ottawa-Carleton Geoscience Centre
C	Brock University
D	Aarhus University
FIN	Univ. Of Olulu
FR	IPGP, Paris
FR	Observatoire Midi-Pyrénées
FR	University of Bordeaux
FR	Université Blaise Pascal
GER	GEOMAR, Kiel
GER	ABCJ- Geoverbund
GER	Institut fur Geology, Munster
GER	University of Hannover
I	OGS, Trieste
N	Univ. Of Tromsø
	Marine Geology and Georecources Group of
POR	IPMA
POR	University of Algarve
SP	ICTJA, Barcelona
SP	ICM, Barcelona
SWE	Stockholm University
UK	University of Liverpool
UK	Univ. of Plymouth
UK	Univ. Of Leeds

26 Applications

J. Gutierrez informed about a Questionnaire for Institutions after DLPs Lecturers

Number of Lecturers as first priority

Claude Hillaire Marcel: 10

Roger Urgeles: 7

Benoit Ildefonse: 7

First Lecturers in April:

-C. Hillaire: Univ. of Bordeaux, 26th of April

- R. Urgeles: Ghent Univ., 30th of April

A new set of 4 slides prepared by ESSAC and EMA have been provided to the speakers to introduce ECORD and IODP to the audience.

Also J. Gutierrez informed that ESSAC has joined FACEBOOK. Since the EGU meeting we have got 117 friends.

Why Facebook?

-Post calls

-Videos, press

-Share news (ocean sciences)

- Photos on real time of events,
i.e. EGU, ESSAC meeting.

-Receive input from people

- increase visibility of ESSAC

About the Teaches at Sea program ESSAC is working in a questionnaire for the teachers/educators that have already sailed.

8.5 E&O Subcommittee report, discussion and future actions

X. Monteys reported the E&O subcommittee discussions and give an overview of the future actions.

The subcommittee recommends to conduct the ranking of the ECOTRD Grants with 5 stars instead of 3.

- 9 students awarded

- 15800 Euros

NAME	COUNTRY
Bauersachs, Thorsten	Germany
Huck, Claire	UK
Prentice, Katherine	UK
Kordesch, Wendy	UK
Martindale, Marina	Canada
Heirman, Katrien An	Belgium
Clifford, Patten	Sweden
Moebius, Iris	Germany
Hammerschmidt, Sebastian	Germany

ESSAC CONSENSUS 1306-12: ESSAC approves 9 awardees of ECORD Research Grants 2013: 3D, 3UK, 1CAN, 1B, 1SWE

ESSAC CONSENSUS 1306-13: ESSAC approves 20 awardees of ECORD Summer School Scholarships 2013: Eight awards for Urbino summer school at 937€/student; and twelve awards for Bremen Summer School at 625€/student.

9. Workshops, communication and Vision

9.1 ECORD-ICDP MagellanPlus

J. Erbacher reported on the Magellan Plus Program.

MagellanPlus – Status Report

MagellanPlus Steering Committee Members:

Marit Seidenkrantz (DK, ECORD) - palaeo

Lucas Lourens (NL, ECORD) - palaeo

Rüdiger Stein (D, ECORD) - arctic

Serge Berné (F, ECORD) – seismic strat./
sedimentology

Johan Lissenberg (UK, ECORD) – hard rock

Ales Spicak (CZ, ICDP) - seismology

Werner Piller (A, ICDP) – strat. / carbonates

Anne Le Friant (F, IODP) – geohazards

Stefano Bernasconi (CH, IODP) - geochemistry

MagellanPlus – Workshops in 2013

•**Advancing our Understanding of Cretaceous Ocean Dynamics by Scientific Drilling (by Stuart Robinson, Tim Bralower et al.) – co-funded by IODP-MI, USSSP and IODP UK.**

The workshop has been held on **April 8. to 10. 2012** in London, GB. 47 participants

More information: Bridget

DREAM - Deep-sea Record of Mediterranean Messinian events
(by *Angelo Camerlenghi*):

The workshop has been held on **May 6.-8. 2012** in **Brisghella**, Italy. ## participants.

More information: [Luc](#)

MagellanPlus – Call of February 1st, 4 proposal were received!

"Integrated Southern Ocean Latitudinal Transects (ISOLAT)' to Investigate Southern Ocean Palaeoclimate and Past Antarctic Circumpolar Current Variability" (*Ian R. Hall, Rainer Zahn, David Hodell, Larry C. Peterson, Markus Kienast, Crosta and Ralph R. Schneider*) - co-funded by IMAGES 2

"A closer look at the Pliocene – A look into the future" (*B.D.A. Naafs, N. Khélifi and M.P.S. Badger*)

"Accelerating Neoproterozoic Research through Scientific Drilling" (*Daniel J. Condon, Anthony R. Prave, Galen P. Halverson, David Fike, Andy Knoll, Simone Kasemann, Paulo Boggani and Maoyan Zhu*)

"BLACKSINK" – Drilling in the Black Sea (*Gert-Jan Reichart, Wout Krijgsman and Iuliana Vasiliev*)

MagellanPlus – Call of July 1st, Congratulations to!

1.) "Integrated Southern Ocean Latitudinal Transects (ISOLAT)' to Investigate Southern Ocean Palaeoclimate and Past Antarctic Circumpolar Current Variability" (*Ian R. Hall, Rainer Zahn, David Hodell, Larry C. Peterson, Markus Kienast, Crosta and Ralph R. Schneider*) - *watchdog: Marit*
Workshop will be held: 23-25 September 2013, Cambridge, UK

2.) "Accelerating Neoproterozoic Research through Scientific Drilling" (*Daniel J. Condon, Anthony R. Prave, Galen P. Halverson, David Fike, Andy Knoll, Simone Kasemann, Paulo Boggani and Maoyan Zhu*) – *watchdog: Stefano*
Workshop will probably be held: 15-18 October 2013, Nottingham, UK

3.) "BLACKSINK" – Drilling in the Black Sea (*Gert-Jan Reichart, Wout Krijgsman and Iuliana Vasiliev*) – *watchdog: Werner*
Workshop shall be held: Bukarest, Rumania

MagellanPlus – upcoming calls and future

Next call:

July 1st 2014 - submission: magellan.plus@bgr.de

Funding of up to 15 000 per workshop (for up to 4 workshops each year, resulting in 2-3 proposals that may be funded following this call)

Future (2013 and beyond):

**50 000 € for Magellan are in the ECORD budget plan for 2013
10 000 € are promised by ICDPand we are still trying to increase this contribution in the future.**

Next annual SC meeting: February 14th to 15th in Utrecht

MagellanPlus - ToR, What's new

- 1.) More SC members**
- 2.) Each proposal has a watchdog**
- 3.) Workshops have to be held within 12 months after approval**
- 4.) Workshops have to be open to the entire community**
- 5.) Scientific and financial reports have to be submitted within 2 months after the workshop**
- 6.) Short article in e.g. Scientific Drilling to be published within 8 months after the workshop**
- 7.) Support (up to 1,5 k€) of participation of scientist in other IODP and ICDP workshops**

MagellanPlus - Problems to solve

1.) Cooperation with ICDP is still not satisfying: *On the theme list of the ICDP Science Conference in November (Steering Commity Reps. are invited to attend)*

9.2 Exploring the Cretaceous Greenhouse through Scientific Drilling April, 15-17, 2013, London, UK

B. Wade presented a summary of the Exploring the Cretaceous Greenhouse through Scientific Drilling Workshop.

Rationale

· Understanding the response of Earth's climate and ocean system to elevated levels of atmospheric CO₂ is one of the key themes for the next phase of scientific ocean drilling.

· The most recent super-greenhouse interval, from 125-80 Ma in the Cretaceous, provides a unique opportunity to address this theme.

Workshop themes

- Cretaceous Climate and its Impact on Ocean Circulation
- Origin of Ocean Hypoxia
- Ocean acidification: Causes and Consequences:
- Impact of Environmental Change on Plankton

Primarily addressing Climate and Ocean challenges of the IODP Science Plan

Aim of the workshop

To instigate new oceanic and continental drilling legs designed to further our understanding of Cretaceous oceans

Approach

- Keep meeting size relatively small (40-45 participants)
- Balance of experience (from PhD students to senior professors) and disciplines (from geochemistry to geophysics to micropaleontology)
- Expect all participants to contribute to the development of drilling proposals
- Devote most of meeting to sharing and developing ideas for new proposals
- Avoid excessive science talks - this was not the meeting to present your latest results!

Funding

- Funding sought (and received) from USSSP, IODP-MI, Magellan+ and UKIODP for ~39 participants
- Initial breakdown of funded places:

USSSP	18 places
IODP-MI	8 places
Magellan+	8 places
UKIODP	5 places

Applications

- All participants had to apply with CV and letter of interest
- Invitation and funding decisions made by steering committee based on these documents and consideration of achieving a balance of expertise, youth and science disciplines
- Final workshop size of 47 (some participants came at no-cost)

ECORD applicants

- 37 applicants (including ECORD-based conveners) from ECORD countries
- 22 attended - funded by Magellan+, IODP-MI, UKIODP and self-funded

Country	No. of applicants	No. of attendees
Austria	1	1
Canada	1	0
Germany	12	8 (2 ECRs)
Italy	1	1
Spain	1	0
UK	21	12 (4 ECRs)
TOTAL	37	22 (6 ECRs)

Feedback

- lack of applications from many ECORD countries, despite widespread advertisement.
- shame that we could not have a more varied ECORD community represented (particularly France, Switzerland and Italy)
- Finances were complicated

9.3 Deep-sea Record of Mediterranean Messinian Events (DREAM) May, 5-8, 2013, Brisighella (Ravenna), Italy

L. Lourens presented the the participants and results of the DREAM workshop.

DREAM Workshop Brisighella (RA) Italy, 5-8 May 2013

surname name provenance country e-mail address

Participants (bold characters: DREAM Workshop proponents)

1	Aloisi	Giovanni	Paris	F	galod@locean-ipsl.upmc.fr
2	Argnani	Andrea	Bologna	I	andrea.argnani@ismar.cnr.it
3	Bonatti	Enrico	Bologna	I	enrico.bonatti@bo.ismar.cnr.it
4	Cita	Maria Bianca	Milano	I	maria.cita@unimi.it
5	Del Ben	Anna	Trieste	I	delbenan@units.it
6	DeLange	Gert	Utrecht	NL	gdelange@geo.uu.nl
7	Eguchi	Nobu	CDEX/JAMSTEC	Japan	neguchi@jamstec.go.jp
8	Ehrhardt	Axel	Hannover	D	Axel.Ehrhardt@bgr.de
9	Escutia Dotti	Carlota	Granada	E	cescutia@ugr.es
10	Flecker	Rachel	Bristol	UK	r.flecker@bristol.ac.uk
11	Fraser	Alastair	London	UK	alastair.fraser@imperial.ac.uk
12	Garcia-Castellanos	Daniel	Barcelona	E	danielgca@ictja.csic.es
13	Geletti	Riccardo	Trieste	I	rgeletti@ogs.trieste.it
14	Gorini	Christian	Paris	F	christian.gorini@upmc.fr
15	Hieke	Werner	Munich	D	werner.hieke@tum.de
16	Hoddell	Dave	Cambridge	UK	dhod07@esc.cam.ac.uk
17	Hsu	Ken	Haslemere	UK	Kenjhsu@aol.com
18	Hübscher	Christian	Hamburg	D	christian.huebscher@zmaw.de
19	Krijgsman	Wout	Utrecht	NL	krijgsma@geo.uu.nl
20	Kuroda	Junichiro	JAMSTEC	Japan	kurodaj@jamstec.go.jp
21	Lofi	Johanna	Montpellier	F	johanna.lofi@gm.univ-montp2.fr
22	Lourens	Lucas	Utrecht	NL	L.J.Lourens@uu.nl
23	Lugli	Stefano	Modena	I	stefano.lugli@unimore.it
24	Manzi	Vinicio	Parma	I	vinicio.manzi@unipr.it
25	McGenity	Terry	Essex	UK	tjmcgen@essex.ac.uk
26	McKenzie	Judith Ann	Zurich	CH	judy.mckenzie@erdw.ethz.ch
27	Moscariello	Andrea	Geneva	CH	Andrea.Moscariello@unige.ch
28	Negri	Alessandra	Ancona	I	a.negri@univpm.it
29	Panieri	Giuliana	Bologna	I	giuliana.panieri@bo.ismar.cnr.it
30	Rabineau	Marina	Brest	F	marina.rabineau@univ-brest.fr
31	Roveri	Marco	Parma	I	marco.roveri@unipr.it
32	Ryan	Bill	Palisades	USA	billr@ideo.columbia.edu
33	Sierro	Francisco Javier	Salamanca	E	sierro@usal.es
34	Suc	Jean Pierre	Paris	F	jeanpierre.suc@gmail.com
35	Taviani	Marco	Bologna	I	marco.taviani@bo.ismar.cnr.it
36	Urgeles	Roger	Barcelona	E	urgeles@icm.csic.es
37	Vai	Gian Battista	Bologna	I	giambattista.vai@unibo.it
38	Waldman	Nicholas	Barcelona	IL	nwaldmann@univ.haifa.ac.il

Students/young post-docs

1	Al-Balushi	Abdulaziz	London	UK	aa19909@ic.ac.uk
2	Allen	Hayley	London	UK	ha210@imperial.ac.uk
3	Driussi	Oliver	Toulouse	F	olivier.driussi@get.obs-mip.fr
4	Grunert	Patrick	Graz	A	patrick.grunert@uni-graz.at
5	Lago Cameselle	Alejandra	Barcelona	E	acameselle@icm.csic.es
6	Leroux	Estelle	Brest	F	still.leroux@gmail.com
7	Mocnik	Arianna	Trieste	I	arimocnik@alice.it
8	Natalicchio	Marcello	Torino	I	marcello.natalicchio@unito.it
9	Ochoa Lozano	Diana	Salamanca	E	diana.ochoa@usal.es
10	Pellen	Romain	Plouzané	F	Romain.Pellen@ifremer.fr
11	Simon	Dirk	Utrecht	NL	d.simon@uu.nl
12	van der Schee	Marlies	Salamanca	NL	marliesvanderschee@gmail.com
13	Ziegenbalg	Simone	Wien	A	simone.ziegenbalg@univie.ac.at

Local organizers

1	Gamberi	Fabiano	Bologna	I	fabiano.gamberi@bo.ismar.cnr.it
2	Marabini,	Stefano	Bologna	I	stemarabini@libero.it

Unable to attend

1	Cartwright	Joe	Oxford	UK	joec@earth.ox.ac.uk
2	Gvirzman	Zohar	Jerusalem	IL	zohar@gsi.gov.il
3	Haq	Bilal	Washington DC	USA	bhaq@nsf.gov
4	Loncke	Lies	Perpignan	F	lies.loncke@univ-perp.fr
5	Maillard	Agnes	Toulouse	F	agnes.maillard@lmtg.obs-mip.fr
6	Montadert	Lucien	Paris	F	lucien.montadert@orange.fr
7	Pezard	Philippe	Montpellier	F	ppezard@gulliver.fr
8	Polonia	Alina	Bologna	I	alina.polonia@bo.ismar.cnr.it
9	Ricci Lucchi	Franco	Bologna	I	riccilucchi@msn.com, franco.riccilucchi@unibo.it

Interested parties from industry/Administrations

1	Panei	Liliana	Rome	I	liliana.panei@mise.gov.it
2	Paltrinieri	Werter	Rome	I	werter.paltrinieri@enel.com

L. Lourens also showed the schedule.

9.4 Upcoming workshop ISOLAT

M. Seidenkrantz gave an overview of the upcoming ISOLAT workshop.

She explained that the deadline for the application had passed and that they had received a number of applications for very good people.

9.5 Chikyu +10 workshop

R. Stein showed a summary of the Chikyu +10 workshop.

Prior to the workshop, white papers have been submitted and distributed to all participants (keynotes and projects related to major workshop themes)

Workshop Themes:

AF: Active Faults

EM: Ocean Crust and Earth's Mantle

CF: Continent Formation

SS: Sediment Secrets

DL: Deep Life

HYD: Hydrothermal Systems

- 397 (!?) participants from 22 nations, (261 from Japan, 136 from other countries)
- 129 white papers, 35 posters

R. Stein presented the structure and schedule of the workshop.

Some results:

- 50 months *Chikyu* guaranteed (10 years)
- in 3 years *Chikyu* open for operations in international waters
- max water depth for *Chikyu* operations 2500 m (> 4000 in future)

Thematic Panels: Deep Life and Hydrothermal Systems

Deep Biosphere Exploration (30 min; Moderator K. Kato)

Panelists: H. Mills (119), R. Hayman (76), F. Inagaki (112), Takai (23)

Associated Posters: N. Xiao (090), Y. Morono (054), G. Ramirez (096)

Some Ideas on Hydrogen and Hydrocarbons (30 min; Moderator K. Nealson)

Panelists: H. Tomaru (53), Kim (103), Kawagucci (33)

Hydrothermal Systems (30 min; Moderator G. Wheat, Univ of Alaska Fairbanks)

Panelists: M. Jutzler (36), C. deRonde (122), C. Yeats (120), H. Kumagai (82)

Associated Posters: J. Ishibashi (97), T. Toki (35)

Panel discussion of thematic themes**Thematic Panels: Sediment Secrets**

Tectonics and Climate / Sedimentation (23 min; Moderator G. Browne)

Panelists: Stern (88), Zhao (100), Browne (124), Viana (81)

High-Resolution Climate Archives (23 min; Moderator M. Chen)

Panelists: Behl (17), Yamazaki (83), Chen (24), Suganuma (95)

Cretaceous Paleoceanography (23 min; Moderator J. Kuroda)

Panelists: M. Coffin (57), N. Ohkouchi (18), C. Foster (69), J. Kuroda (25)
with E. Erba

Sub-Salt Environments (20 min; Moderator A. Camerlenghi)

Panelists: H. Daigle (28), A. Camerlenghi (67), M. Rabineau (115)

Summary Reports of WS themes discussion

Active Faults

Top (first five years of new IODP?):

1. to deepen NanTroSEIZE
2. Costa Rica

Ocean Crust and Earth's Mantle

MoHole to the Mantle (M2M)

1st priority goal: M2M in the Pacific (consensus), but still site survey needed

1b in the meantime, do and learn Chikyu drilling in hard rocks ->

2nd priority goal: documents entire life cycle of oceanic lithosphere

(Japan Trench, Costa Rica)

Summary Reports of WS themes discussion

Sediment Secrets

Multiple opportunities for climate science, natural resources, development potential, collaboration with industry

Sub-themes (Mesozoic environments, continent break-up, sub-salt environment, rapid climate change)

Most feasible as of today's drilling ideas:

1Santa Barbara Basin, 2Lord Howe Rise, 3Mediterranean Salt and Subsalt,

Continent Formation

Summary Reports of WS themes discussion

Sediment Secrets

Multiple opportunities for climate science, natural resources, development potential, collaboration with industry

Sub-themes (Mesozoic environments, continent break-up, sub-salt environment, rapid climate change)

Most feasible as of today's drilling ideas:

1Santa Barbara Basin, 2Lord Howe Rise, 3Mediterranean Salt and Subsalt,

Continent Formation

IBM riser drilling (1800m WD, 5500m penetration); site survey finished; geotechnical hole at IBM4 scheduled for JR in 2014

Recommendation: -> schedule IBM4 riser drilling as soon as possible

Deep Life and Hydrothermal Systems

Overarching theme: „Limits of deep seafloor life and the biosphere“

(Chikyu: take deep samples, mudline gas analysis, improved recovery, large-diameter cores)

Further information:

<http://www.iodp.org/scientific-ocean-drilling-poised-to-reveal-the-secrets-of-the-subseafloor>

9.6 EGU Session 2013 and beyond

C. Escutia reported about the EGU Session in Vienna, 7-12 April 2013 and will discuss future EGU sessions.

Major achievements and perspectives in scientific ocean and continental drilling”

Conveners: Carlota Escutia, Ursula Röhl, Ulrich Harms, Thomas Wiersberg, Ruediger Stein

- 18 abstracts submitted: 1 oral block (6 oral presentations) & poster

- Requested session to be on Tuesday coinciding with IODP-ICDP Town Hall

C. Escutia showed the program of the session and some pictures of the event.

10. Review of consensus, motions and actions

C. Escutia reviewed the list of consensus, motions and actions of the 20th ESSAC meeting.

LIST OF CONSENSUS, MOTIONS AND ACTIONS 20th ESSAC MEETING Gdansk, 3-4 June, 2013

1. INTRODUCTION

1.3 Approval of the agenda and approval of the Perpignan ESSAC 19th meeting minutes

ESSAC CONSENSUS 1306-01: approves the agenda for its twentieth meeting, 3-4 June, in Gdansk, Poland

ESSAC CONSENSUS 1306-02: ESSAC approves the minutes of the 24-26 October 2012 meeting held in Perpignan, France.

2. IODP NEWS

2.1 JOIDES Resolution Facility Board

ESSAC CONSENSUS 1306-03: Endorses the development of close coordination between PEP and the SCP in the evaluation of the proposals before they are forwarded from PEP to the platform operators. If a merge between the panels is considered ESSAC strongly encourages that the required expertise on each panel is well represented in the merged panel.

ESSAC CONSENSUS 1306-04: Advises that the nominations for co-chief scientists are provided by PEP and approved by the Implementation Programs Facility Boards.

3. ECORD News

3.3 ECORD Vision Task Force

ESSAC CONSENSUS 1306-05: ESSAC recommends monitoring and stimulating overarching outreach and PR activities by the IODP Forum. The program should have a coherent message for drilling programs involving industry.

3.6 Standard measurements and sample/data policies in the new IODP

ESSAC CONSENSUS 1306-06: ESSAC is very concerned about the potential loss of a unified approach regarding IODP measurements, core sampling procedures, data management, and publications across the three platform providers in the new program and strongly supports a common procedure for all platforms. The three Facility Boards should be in charge of the oversight of the implementation of these common policies.

7- NOMINATION AND STAFFING

7.3 Updates on SAS panels

> **ESSAC Action 1306-01:** ESSAC will issue a call for ECORD membership in the SCP to replace G. Lericolais.

7.4 N&S Subcommittee report, discussion and future actions

ESSAC Consensus 1306-07: ESSAC decides to standardize the CV and publications list format for the applications to participate in an Expedition. The CV will now consist in a two page PDF-file. The publication list should include publications during the last 5-years and other publications that are of relevance to the expedition.

ESSAC Action 1306-02: ESSAC will send a 2-page CV format to the operators for comment.

> **ESSAC Action Item 1306-03:** ESSAC to send Delegates personal reminders about upcoming ranking deadlines in addition to the general reminders.

ESSAC Consensus 1306-08: ESSAC recommends the ECORD Council that in the new IODP the quota allocation is reset to zero

ESSAC Consensus 1306-09: ESSAC approves that, starting with Expedition IBM, rankings will be conducted using a 5 star system.

> **ESSAC Action Item 1306-04:** ESSAC to implement the new number ranking system starting with the IBM expeditions

ESSAC Consensus 1306-10: After an open call, ESSAC will nominate scientific members of the ILP before approval by the ECORD Council.

8. EDUCATION AND OUTREACH

8.3 ECORD Summer Schools 2014

ESSAC Consensus 1306-11: ESSAC approves that in 2014 two ECORD Summer Schools will be granted: the ECORD Bremen Summer School 2014 on "Subseafloor Biosphere Current Advances and Future Challenges", and the Urbino Summer School in Paleoclimatology 2014. Funding for these schools is at the level of 10K€ each.

8.5 E&O Subcommittee report, discussion and future actions

> **ESSAC Action 1306-05:** ESSAC to circulate among delegates outcomes of nominations by the subcommittees for final approval.

ESSAC CONSENSUS 1306-12: ESSAC approves 9 awardees of ECORD Research Grants 2013: 3D, 3UK, 1CAN, 1B, 1SWE

ESSAC CONSENSUS 1306-07: ESSAC approves 20 awardees of ECORD Summer School Scholarships 2013: Eight awards for Urbino summer school at 937€/student; and twelve awards for Bremen Summer School at 625€/student.

> **ESSAC Action Item 1306-06:** To communicate outcome of scholarships and grants to applicants.

11. NEXT ESSAC MEETING

ESSAC Consensus Item 1306-13: Location of ESSAC Meeting #21 is Haifa, Israel. The date of the meeting will be determined in coordination with the ECORD Council. For this a Doodle Poll will be conducted by the ESSAC Office.

> **ESSAC Action Item 1306- 07:** ESSAC Office to set up a Doodle Poll to determine the dates of the October 2012 ESSAC 21st meeting in Haifa.

12. ANY OTHER BUSINESS

ESSAC Consensus 1306-14: ESSAC thanks Elisabetta Erba, Nalan Koc , and Kari Strand for their dedicated and highly effective service within ESSAC.

ESSAC Consensus Item 1306- 15: ESSAC thanks Szymon Uscinowicz for hosting the 20th ESSAC Meeting in Gdansk, Poland.

11. Next ESSAC meeting

C. Escutia presented the N. Waldman presentation to show Haifa (Israel) as possible place to develop the next ESSAC meeting

12. ANY OTHER BUSINESS

B. Wade presented her problems to get samples from the Kochi Core Center and concerns that may cause:

- ADDITIONAL DELAYS
- LESS EXPERIENCED SCIENTISTS MIGHT BE RELUCTANT TO 'ARGUE' FOR THEIR SAMPLES

She requests an action:

- WRITE A LETTER?
- ADDRESSED TO WHOM? JAMSTEC?
- DON'T WANT TO DISTURB ON-GOING NEGOTIATIONS

U. Roehl mentions that they every Core Repository interprets the existing Policy in different ways, which results in this problems. After discussions by ESSAC Delegates on this issue it is suggested that a formal letter from the affected scientists is sent to the Curatorial Board. If this does not help this issue further actions can then be considered by ESSAC.