

**2nd Meeting of the
ECORD Science Support & Advisory Committee
ESSAC
May 25-28, 2014
Keflavik, Iceland**

MINUTES



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List of Participants

ESSAC Office

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ESSAC Delegate Switzerland

Julia Gutiérrez Pastor

ESSAC Science Coordinator

ESSAC Representatives

Andrea Argnani

ESSAC Delegate Italy

Bryndís Brandsdóttir (meeting host)

ESSAC Delegate Iceland

André Bornemann

IODP-Germany Coordination

Georges Ceulener

ESSAC Delegate France

David Hardy

ESSAC Alternate Ireland

Jorijntje Henderiks

ESSAC Alternate Sweden

Kikki F. Kleiven

ESSAC Delegate Norway

Aarno Kotilainen

ESSAC Delegate Finland

Stefan Schouten

ESSAC Alternate Netherlands

Marit-Solveig Seidenkrantz

ESSAC Delegate Denmark

Szymon Uscinowicz

ESSAC Delegate Poland

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ESSAC Delegate Portugal

Bridget Wade

ESSAC Delegate UK

Nicolas Waldmann

ESSAC Delegate Israel

Dominique Weis

ESSAC Delegate Canada

Observers/Guests

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Director of the CRPG, Nancy, France

Patricia Maruéjol

EMA

Alan Stevenson

ESO

Diane Hanano

Canadian consortium for ocean drilling

Páll Einarsson

University of Iceland, Reykjavík

Apologies

Gilbert Camoin

EMA

Milena Borissova

EMA

Jochen Erbacher

ESF Magellan Workshops

Carlota Escutia

ESSAC Vice-Chair

Lucas Lourens

ESSAC Delegate Netherlands

Xavier Monteys

ESSAC Delegate Ireland

Werner Piller

ESSAC Delegate Austria

Ian Snowball

ESSAC Delegate Sweden

Rüdiger Stein

ESSAC Delegate Germany

David Van Rooij

ESSAC Delegate Belgium

1. Introduction

1.1 Call to order, introductions

G. Früh-Green held the introductions short. The ESSAC meeting started with the self-presentation of each participant.

1.2 Welcome and meeting logistics

G. Früh-Green welcomed all ESSAC delegates, observers and invited guests to the 2nd ESSAC Meeting in Keflavik, Iceland. She thanked B. Brandsdóttir for the organization and logistics of the meeting and the fieldtrips.

B. Brandsdóttir welcomed all participants and provided information about the meeting logistics.

1.3 Discussion and approval of the (1) agenda and (2) Haifa 1st ESSAC meeting minutes

G. Früh-Green summarized the current agenda, reviewed goals of the meeting. The ESSAC Delegates approved the agenda.

ESSAC CONSENSUS 1405-01: ESSAC approves the agenda of the 2nd ESSAC meeting on 26-28 May, in Keflavik, Iceland.

ESSAC CONSENSUS 1405-02: ESSAC approves the minutes of the 1st ESSAC meeting on 4-6 November in Haifa, Israel.

1.4 Review of 1st ESSAC meeting action items

J. Gutierrez-Pastor presented items since the last ESSAC meeting. The list below contains the actions items, which were raised at the 1st ESSAC meeting in Haifa. Action items that have been accomplished by the ESSAC Office since then are labelled as “Done”. Action items not yet fulfilled are labelled “in progress” or “to do”.

> **ESSAC Action Item 1311-01:** ESSAC Office to include in the ESSAC Budget a request for funding of an ESSAC liaison to SEP. **Done**

The request was made in the last Council meeting and was received positively. Bridget Wade has volunteered to attend the upcoming SEP meeting. In addition, Dominique Weis attended the JR Facility Board meeting as ESSAC liaison.

> **ESSAC Action Item 1311-02:** ESSAC Office to discuss the concept of an “ECORD Ambassador Program” at the VTF and the Council and to discuss with the ECORD Council budgetary implications. **Done**

This was presented in the Council meeting with a positive response. Next step: to prepare a budget plan to be approved by the council.

> **ESSAC Action Item 1311-03:** ESSAC Office to keep a record of the number and country of scientists invited to an Expedition and who have applied in response to an emergency call, even when they do not count towards their country quota. **Done**

> **ESSAC Action Item 1311-04:** ESSAC Office to issue a call for ECORD scientists to the SEP of the new IODP SAS after consultation about needed expertise's with the SEP Chair D. Kroon. *To do*

The ESSAC office has contacted D. Kroon and discussions about required expertise are in progress.

> **ESSAC Action Item 1311-05:** ESSAC Office to issue a call for French ECORD scientists to the Site Survey subgroup of SEP after consultation about needed expertise with D. Mallison (Chair). *Done*

> **ESSAC Action Item 1311-06:** ESSAC Office to circulate among ESSAC Delegates the outcomes of the nominations by the ESSAC Subcommittees, time permitting. *Done - continuous task for the ESSAC Office*

> **ESSAC Action Item 1311-07:** ESSAC Office to forward information to the National ESSAC Delegates and IODP National Offices about the invitations that the Operators issue to ECORD scientists. *Done - continuous task for the ESSAC Office*

> **ESSAC Action Item 1311-08:** ESSAC Office to seek approval by the Council and the JR FB for the extension of the term of Gabi Uenzelmann-Neben in SEP. *Done*

> **ESSAC Action Item 1311-09:** The Chair of the N&S Subcommittee to provide a template for a CV for applications to participate in IODP Expeditions. This template will be then circulated by the ESSAC Office among ESSAC Delegates for final approval. *To do* (but should be discussed again at this meeting)

> **ESSAC Action Item 1311-10:** ESSAC Office to issue a call for ECORD Summer Schools in FY15 at the end of 2013. *Done*

Selection of Schools at this meeting

> **ESSAC Action Item 1311-11:** ESSAC Office to issue a call for ECORD Grants FY14 in January 2014. *Done*

Selection of students at this meeting

> **ESSAC Action Item 1311-12:** ESSAC Office to issue a call for ECORD Scholarships in FY14 at the end of 2013. *Done*

The call was issued in coordination with the Summer School organizers. Selection of students at this meeting

> **ESSAC Action Item 1311-13:** ESSAC Office to issue a call for DLPs in FY14-15 in January 2014. *Done*

Selection of speakers at this meeting

> **ESSAC Action Item 1311-14:** ESSAC Office to provide Teachers at Sea with Questionnaires to collect data that will allow us to establish the impact that their participation in these Expeditions has in the development of schools curriculum and other educational activities. *Done*

The questionnaire was provided to Lesley Allen (UK) who is sailing on Exp.350

> **ESSAC Action Item 1311-15:** ESSAC Office to issue a call for the 2014-2015 DLP lecturers with duration of 24 months for their term. **Done**

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

2. IODP – Platform Operator News

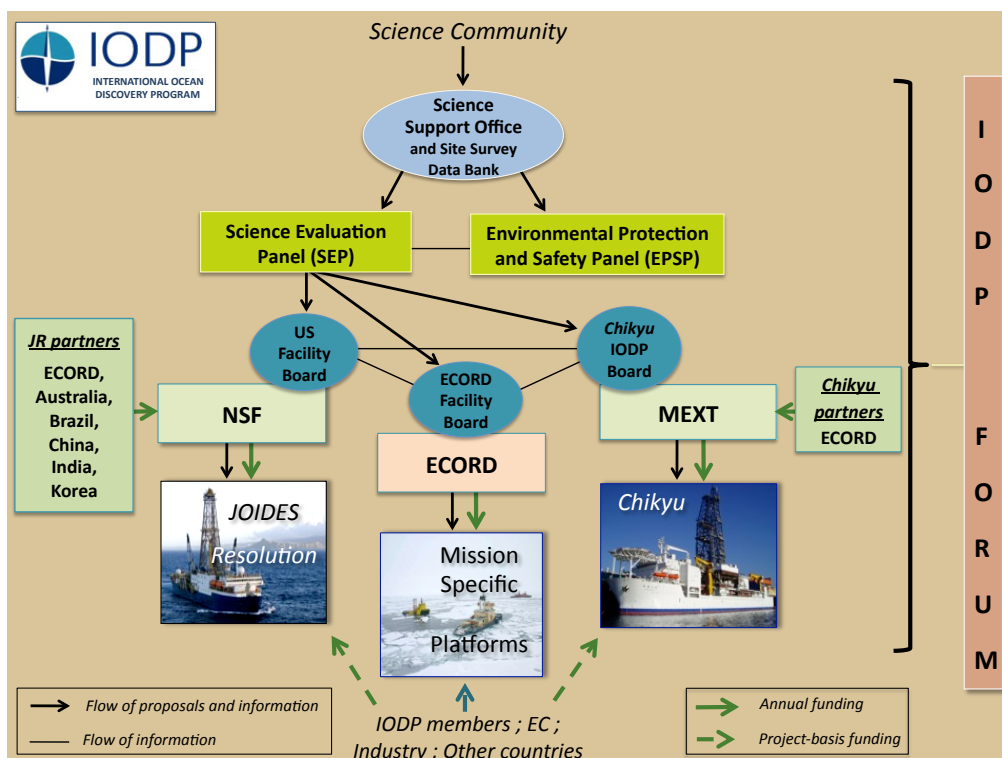
2.1 IODP Update

G. Früh-Green presented an update about the new IODP Program and ECORD.

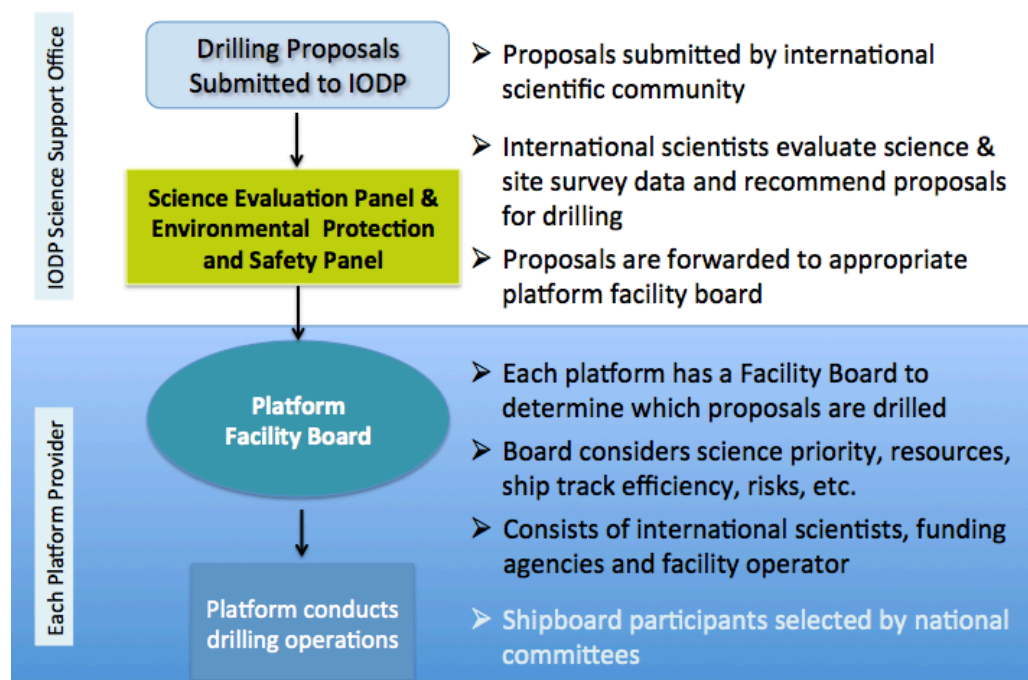
IODP Platform Operator News

- Each platform is financed and operated independently by the respective country or consortia
- Each platform provider is responsible for its own publications, cores, data management, engineering, education & outreach, etc.
- Science Support Office, funded by NSF, assists with proposal handling, meeting logistics, and the IODP website.

G. Früh-Green summarised how the new IODP structure, as a reminder.



How Drilling Proposals are selected to be drilled



In addition, G. Früh-Green presented the Changes in US Management of the JR and IODP Science Support:

- Ocean Leadership will end Sept 2014 as IODP science operator.
- As of Oct 1, 2014, Texas A&M University (TAMU) will be the Science Operator for the JOIDES Resolution.
- The National Science Board of NSF has authorized funding for the JR operations for 60 months (5 years) beginning Oct 1, 2014.
- The amount of funding from NSF and its international partners should be enough for the JR to conduct at least 4 expeditions/year.
- However, NSF is subject to yearly appropriations by the US congress; therefore, the actual amount received may vary from year to year.
- Ocean Leadership will continue (through a separate contract with NSF) to run the US Science Support Program (USSSP). They publish an informative e-newsletter (mainly geared to US community) that anyone can sign up for at <http://lists.oceanleadership.org/mailman/listinfo>.

IODP Science Support Office (science@iodp.org):

- At Scripps Institution of Oceanography, UCSD
- Fully operational as of October 1, 2013
- FY2014 budget US\$ 880K
- Funded by NSF and the JR partners
- 4.5 person-years: 85% of budget
- Four tasks: JRFB support, proposals, SSDB, website

A. Voelker asked what was going to happen with Ocean Leadership? She was worried about not having the same relationship to get material for education from Ocean Leadership.

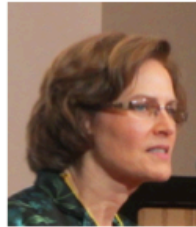
G. Früh-Green answered that Ocean Leadership was going to be responsible only for the US part of the program.

G. Früh-Green showed the Science Support Office Team – in orange are the people, with whom we have the most contact and interaction.

Science Support Office Team



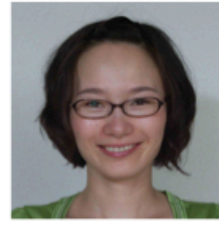
PI Dick Norris



Exec Dir Holly Given



IT Dir Karen Stocks



Prop Mgr Michiko Yamamoto



Prog/Anal Dru Clark



Prog/Anal Aaron Sweeney



QC Jake Perez



Proj Coord Rita Bauer

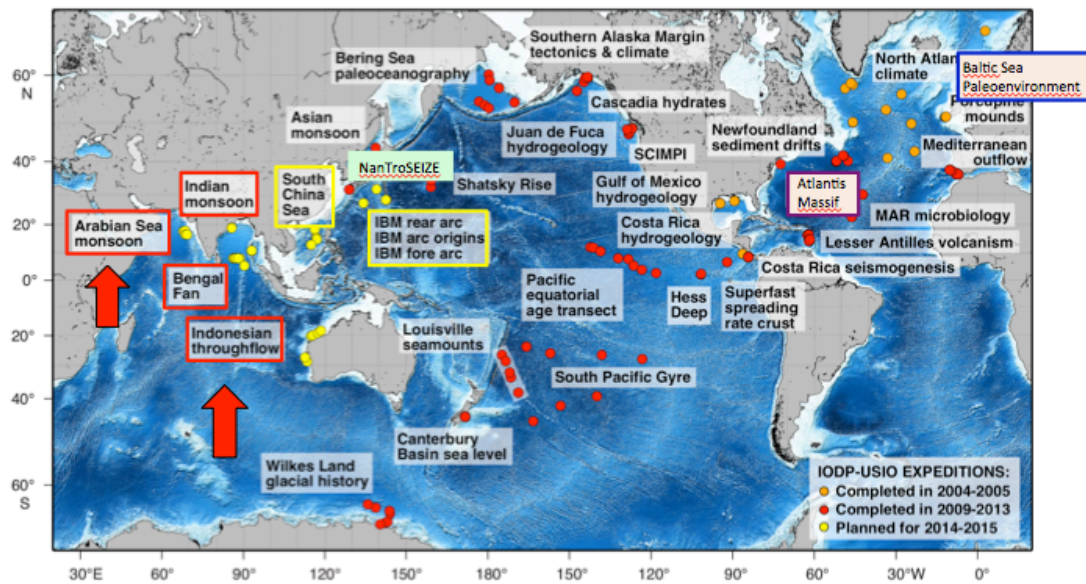
IODP SSO operates under a Cooperative Agreement funded by NSF and the JR partners (which includes ECORD) and has 4 main tasks:

- Support the JR Facility Board and its advisory panels (SEP and EPSP)
- Manage the proposal submission and review process
- Manage the Site Survey Data Bank
- Provide a supporting website for science planning, emphasizing links

Facility Board / Panel Support Meetings 2014

- Science Evaluation Panel, Jan 2014, San Diego
- ECORD Facility Board, March 2014, Bremen
- JR Facility Board, April 2014, Washington
- Environmental Protection & Safety Panel (EPSP), May 2014, Texas
- IODP Forum, May 2014, Korea
- Science Evaluation Panel (SEP), June 2014, New Jersey
- Chikyu IODP Board, July 2014, Yokohama

G. Früh-Green gave an update of the past and upcoming Expeditions and IODP Expedition Drilling Schedule.



- JR Expeditions 2014
- JR Expeditions 2015
- Chikyu Expeditions 2013-2014
- MSP Expeditions 2013
- MSP Expeditions 2015

IODP Expedition Drilling Schedule				
Expedition	Exp #	Drillship	Dates	Co-chief Scientists
Izu Bonin Mariana: Rear Arc	350	JR	30th March - 30th May 2014	Y. Tamura - C. Busby
Izu Bonin Mariana: Arc Origins	351	JR	30th May - 30th July 2014	R. Arculus - O. Ishizuka
Izu Bonin Mariana: Fore Arc	352	JR	30th July - 29th Sept 2014	J. Pearce - M. Reagan
Indian Monsoon Rainfall	353	JR	29th Nov 2014 - 19th Jan 2015	S. Clemens - W. Kuhnt
Bengal Fan	354	JR	29th Jan - 31st March 2015	C. France-Lanord - T. Schwenk
Arabian Sea Monsoon	355	JR	31st March - 31st May 2015	D. Pandey - P. Clift
Indonesian Throughflow	356	JR	31st July - 30th Sept 2015	S. Gallagher - C. Fulthorpe
Atlantic Massif	357	MSP	autumn 2015	G. Früh-Green - B. Orcutt

Arabian Sea Monsoon (CPP* - Exp. 355) – ready for ranking
Open call to apply for Indonesian Throughflow (Exp. 356):

2 June 2014 (US applicants)
8 June 2014 (ECORD applicants)

*CPP: Complementary Project Proposal is contingent on substantial financial contributions outside of normal IODP funding

G. Früh-Green pointed out:

- IODP Expedition Drilling Schedule 2016 – overview in Facility Board reports: Agenda Items 2.3 & 2.4
- Status of staffing – Agenda Item 4.1

IODP Expedition Drilling Schedule – 2016 & 2017

<i>JOIDES Resolution Expeditions</i>	Exp#	Dates	Ports
FY16 expeditions approved by the JR Facility Board, subject to availability of funds:			
Maldives Monsoon (820) and Indian Peninsula Paleoclimate (849-APL)	359	TBD	TBD
Indian Ridge Moho (800)	360	TBD	TBD
Southern African Climates (702) and Agulhas Current Density Profile (845-APL)	361	TBD	TBD
Sumatra Seismogenic Zone (837)	362	TBD	TBD
First FY17 expedition approved by JR Facility Board, subject to availability of funds:			
Western Pacific Warm Pool (799)	363	TBD	TBD

G. Früh-Green showed the provisional Agenda of the IODP Forum Meeting #1: 27-28 May 2014, Busan, Korea.

- **Forum Mandate #1: Progress Toward Science Plan**
 - Forum needs to design its methodology and metrics for assessing IODP progress toward new achieving new Science Plan (SP)
 - Review current expedition and proposal balance vs SP themes/challenges
 - Will different IODP platforms emphasize different themes/challenges?
- **Mid-Term Renewal**
 - How will 5-year renewal processes in US and ECORD affect Forum assessment of progress on SP?
 - Will there be comparable mid-term renewal efforts in other IODP countries? What are timelines for the mid-term renewal efforts – and preparation?
 - To what extent will mid-term renewal utilize results from “old” IODP?
 - What will be needed from Forum and on what timeline?
- **Forum Mandate #2: Coordination among FB’s and platform providers**
 - Consistency of databases
 - Planning and scoping of major projects
 - ‘Non-standard’ drilling activities – are there any such activities at present?
 - Site surveys – are there pathways for coordination among IODP nations?
- **Forum Mandate #3: Effectiveness of IODP web site with Support Office**
- **Forum Mandate #4: Collaboration with other programs, e.g., ICDP...**
 - Should there be common (or coordinated) IODP/ICDP call for and review of proposals for drilling programs that span the shoreline?
 - Planning for joint IODP/ICDP Town Hall at 2014 Fall AGU Meeting
 - Coordination with other programs – any discussion topics?
- **Forum Mandate #5: Recommend topics for workshops**
 - What workshops are currently planned?
 - Based on review of progress toward SP, are other workshops needed?

- **Forum Mandate #6: Overarching public relations and educational activities**
 - Brochure re IODP proposal process – forwarded by JRFB
 - Should some E & O activities be coordinated on a program-wide basis, and if so, how?
- **Forum Mandate #7: advising on “ethical issues”**
 - Should there be an IODP-wide policy on interactions with industry?

G. Früh-Green gave a summary of the main IODP contacts and information.

- The international agencies providing funding to the various platforms can be found at <http://iodp.org/funding-agencies>
- The Forum provides a venue for all entities in IODP to discuss issues of concern. Keir Becker is the chair. <http://iodp.org/iodp-forum>
- The three Facility Boards (and the associated Chairs) are good places to look for information with respect to the platforms. <http://iodp.org/facility-boards>
- The JR Facility Board Chair is the appropriate contact for issues regarding the Panel System. All ECORD panel members are approved by the JRFB.
- The SSO is the appropriate contact for information regarding proposals, site survey data base and the IODP website. <http://iodp.org/staff-and-responsibilities>
- For policies, MoU’s, etc.: <http://www.iodp.org/program-documents>

2.2 EMA, ECORD Council, ECORD Vision Task Force (VTF)

G. Früh-Green gave a summary about the latest news regarding EMA and ECORD.

First of all, G. Früh-Green thanked P. Maruejol for her hard work putting together the Newsletter 22 and the ECORD Annual Report 2013.

- ECORD member countries, MoU’s & contributions
 - ECORD Headlines
- ECORD FY14 Budgets
- Vision Task Force (VTF) update

General Update:

EMA will have a new assistant director as of January 2015 – details will be announced.

G. Früh-Green informed about the new initiative to announce the latest news: the ECORD’s headlines.



The ECORD-JAMSTEC Memorandum of Understanding has been signed on February 17th, 2014 in Tokyo !



ECORD will drill the Atlantis Massif with a seabed drilling system in 2015 !

ECORD Membership Status March 2013

	MoU (AK-1)
Austria	<i>Financial commitment</i>
Belgium	<i>Financial commitment</i>
Canada	FY14-FY15
Denmark	FY14-FY16
Finland	FY14-FY18
Germany	<i>Financial commitment</i>
Iceland	FY14 only *
Ireland	FY14-FY18
Israel	FY14-FY16
Italy	<i>Financial commitment</i>
Netherlands	FY14-FY18
Norway	FY14-FY18
Portugal	FY 14-FY18
Poland	FY14-FY18
Spain	**
Sweden	FY14-FY18
Switzerland	FY14-FY16
UK	FY14-FY18
France	FY14-FY18

ECORD Member Financial Commitments FY 2014 (\$US)

Highlighted in pink: decreased contribution

Highlighted in blue: increased contribution

Austria	100,000
Belgium	25,000
Canada	150,000
Denmark	170,000

Finland	80,000
France	5,200,000
Germany	5,600,000
Iceland	30,000 *
Ireland	140,000
Israel	30,000
Italy	400,000
Netherlands	500,000
Norway	1,100,000
Portugal	90,000
Poland	30,000
Spain	**
Sweden	528,000
Switzerland	600,000
UK	4,080,000
TOTAL	18,853,000

* *Withdrawal after FY14*

** *No longer in ECORD*

H.F. Kleiven explained that it is a challenge for Norway to have young researches involved in the IODP activities and Expeditions because the Norwegian Research Council cut travel support for students. This has damaged Norway (as reflected in the ECORD quotas).

G. Früh-Green suggested reducing the annual Norway financial participation and using the extra funds to support students.

D. Weis asked what about the Russia interest to join ECORD.

A. Stevenson added that they are working to get more contribution.

G. Früh-Green answers that Russia has offered 10,000 US dollars to have access to ECORD/IODP activities. They are still in negotiations. G. Camoin will give more information about that in the next meeting.

Potential newcomers:

- Russia (offered \$US 10,000),
- Czech republic,
- Luxembourg
- In-kind contributions not considered
- 3 major contributors: 79 % of the ECORD budget

ECORD's partnership

- ✓ ECORD will contribute to the funding of the Chikyu:
 - Level of annual funding defined each year by the ECORD Council (US\$ 1 M min.)
 - Potential project basis funding of a Chikyu expedition in European/Canadian waters (up to US\$ 10M)
- > Access to the Chikyu for ECORD scientists:
 - 3+ ECORD berths /Chikyu exp
 - ✓ ECORD will contribute to the annual funding (US\$ 7 M) of the JOIDES Resolution
- > Access to the JR for ECORD scientists: 8 ECORD berths/JR exp

Co-Chief scientists are not counted against participation levels on all IODP expeditions

G. Früh-Green presented the ECORD FY14 Budgets.

EMA budget for FY2013 and FY2014					
	FY2013		FY2014		Variance
	€	USD	€	USD	(%)
Salaries					
Compensation for the Director	47,000	64,860	46,000	63,480	-2.1
Outreach Co-ordinator	46,000	63,480	46,000	63,480	
Assistant Director	46,000	63,480	46,000	63,480	
Total salaries	139,000	191,820	138,000	190,440	-0.7
Travel					
EMA personnel	50,000	69,000	50,000	69,000	
E-FB, E-ILP*	16,000	22,080	-	-	-100
Meetings	5,000	6,900	5,000	6,900	
Consumables	5,000	6,900	5,000	6,900	
Support IODP/ECORD meetings	7,500	10,350	7,500	10,350	
MagellanPlus	50,000	69,000	66,500	91,770	33
Outreach/Databases & other costs	32,500	44,850	38,650	53,337	16.3
Overheads	20,000	27,600	25,000	34,500	25
Total	325,000	448,500	335,650	463,197	

(1€ = 1.38USD); * Not spent - used to partly compensate the October-December 2013 period following the change of the fiscal year.

ESSAC BUDGET FY 14	Costs in Euro	Costs in US \$
Salaries		
Science coordinator (12 months, 100%) CHF 114,600.00	€ 94,000.00	\$ 126,900.00
Family allowance (2 children) 7256.00 CHF	€ 5,900.00	\$ 7,965.00
Chair, salary compensation	€ 50,000.00	\$ 67,500.00
Travel and subsistence costs		
Science coordinator	€ 6,000.00	\$ 8,100.00
Chair	€ 11,000.00	\$ 14,850.00
Office costs		
General office costs	€ 11,000.00	\$ 14,850.00
Meetings		
ESSAC October Meeting	€ 2,000.00	\$ 2,700.00
ESSAC May Meeting	€ 2,000.00	\$ 2,700.00
Travel support for invited Speakers to ESSAC meetings	€ 4,000.00	\$ 5,400.00
Additional Council activities		
Support for ECORD Distinguished Lecturer Programme	€ 18,000.00	\$ 24,300.00
Summer Schools support	€ 20,000.00	\$ 27,000.00
Summer School student support	€ 15,000.00	\$ 20,250.00
Conference travel support (speakers EGU)	€ 5,000.00	\$ 6,750.00
ECORD Grants	€ 15,000.00	\$ 20,250.00
Total ECORD Contribution	€ 264,900.00	\$ 357,515.00

ECORD FY14 Budget

	Incomes	Expenses
FY13 balance	1,615,475	
FY14 contributions	18,853,000	
ECORD-NSF MoU		7,000,000
ECORD-JAMSTEC MoU		1,000,000
EMA		315,000
MagellanPlus		88,825
ECORD Outreach		52,816
ESSAC		361,996
Support of SEP Chair		89,627
BCR		424,554 *
Total	20,468,475	9,332,818

* 15 months : Oct. 2013 – Dec. 2014

Available for ESO in FY14	11,135,657
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FY 14 ESO budget : ± USD 3.7 M > USD 7.4 M to be carried over for FY15 operations

> Average annual funds available for ESO beyond FY14 : ± USD 9.6 M

A discussion about the availability of the budget was initiated by M.S. Seidenkrantz. M.S. Seidenkrantz suggests being flexible with the assigned funds for grants and scholarships if we do not find good candidates after a specific call.

G. Früh-Green said that she had to find out if this is something that the ECORD council should approve or just ESSAC needs to modify the budget items for the next fiscal year.

D. Weis suggests taking out 3000 Euros from the DLP program to give it to the students educational programs.

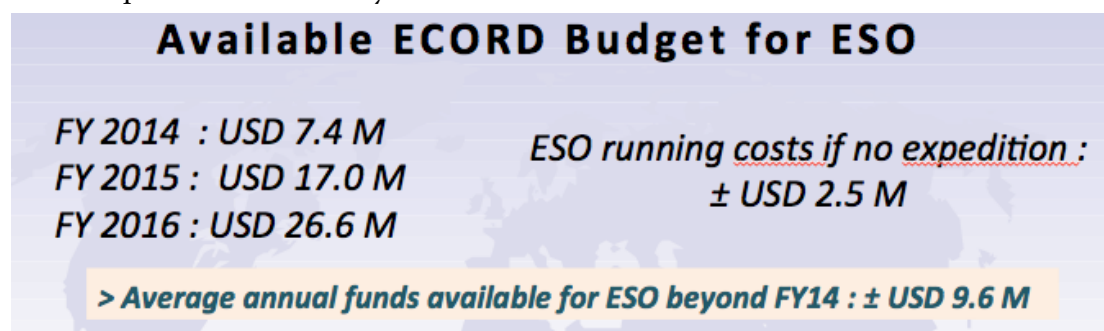
G. Früh-Green point out that we should discuss all those thoughts in the breakout session.

N. Waldmann was concerned about the ECORD vs non-ECORD applications.

D. Weis suggests not giving an ECORD grant if the proposal does not include a budget. Finally, G. Früh-Green suggests adding a new budget item to provide more flexibility to the ESSAC budget. She explained that all the money that we request from ECORD means less money left for ESO operators.

G. Früh-Green reported about the ECORD MSP Expeditions.

- ✓ ECORD is responsible for funding and implementing MSP operations for the International Ocean Discovery Program as an independent Platform Provider
- ✓ ECORD will also encourage and help proponents for MSP proposals to seek 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 may 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 is aiming to fund and implement one MSP expedition per year on average for IODP by adjusting the numbers of low, medium, and high-cost expeditions and creating new opportunities through external co-funding and in-kind contributions
- Staffing : 10+ ECORD ; 13 US and assoc. memb. ; 4 JPN ; 1-3 co-funded projects
(cash / in-kind) by ECORD members or ECORD « associated partners »
- Co-Chief scientists not counted against participation levels (quotas) on all IODP expeditions

G. Früh-Green reported about the Active MSP proposals.

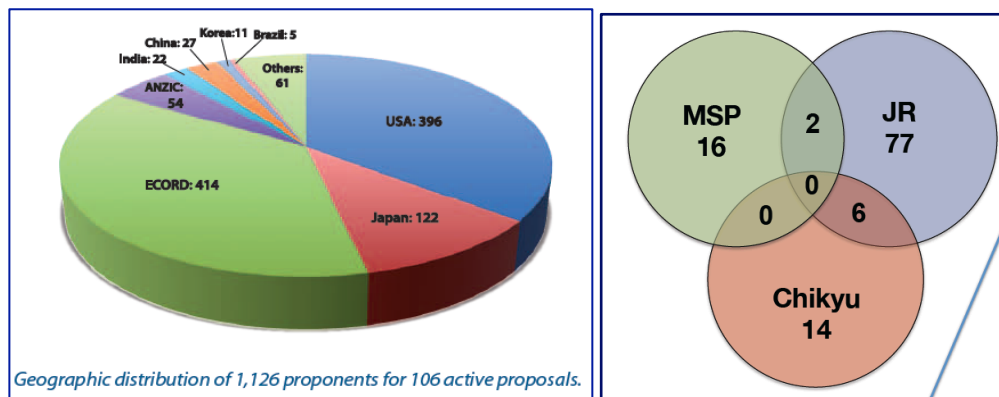
Active MSP proposals concern diverse oceans and environments (Atlantic, Pacific, Mediterranean, Arctic and Southern Ocean) and various science topics (e.g. climate change, ocean crust formation and hydrogeology, deep biosphere, geohazards).

16 Mission-Specific Platform proposals

Single Platform:					
Proposal ID	category	Short Title		Lead Proponent	Stage
548	Full3	Chicxulub K-T Impact Crater	ECORD	Morgan	FB
581	Full2	Late Pleistocene Coralgall Banks		Droxler	FB
637	Full2	New England Shelf Hydrogeology		Person	FB
680	Full	Bering Strait Climate Change		Fowell	SEP
708	Full	Central Arctic Paleocyanography	ECORD	Stein	FB
716	Full2	Hawaiian Drowned Reefs		Webster	FB
730	Pre2	Sabine Bank Sea Level		Taylor	SEP
756	Pre	Arctic Ocean Exit Gateway	ECORD	Jakobsson	SEP
758	Full2	Atlantis Massif Seafloor Processes	ECORD	Früh-Green	FB
761	Pre	South Atlantic Bight Hydrogeology		Wilson	SEP
796	Full	Ligurian Landslide	ECORD	Kopf	SEP
806	Pre	Beaufort Gas Hydrate		Paull	SEP
812	Pre	Ross Sea Glacial History		Wilson	SEP
813	Full	Antarctic Cenozoic Paleoclimate		Williams	FB

Green: Listed in E-FB meeting agenda

Multiple Platform:					
750	Pre	Beringia Sea Level History		Polyak	SEP
797	Pre	Alaska Beaufort Margin		Ruppel	SEP



NEW SCIENCE PLAN: From pole to pole drilling: Linking climate, ice sheet, and sea-level histories

Furthermore, G. Früh-Green reported about the **ECORD Vision Task Force** recent activities (slides provided by G. Camoin).

- Purpose

The ECORD Vision Task Force (E-VTF) is the ECORD strategic entity, in charge of identifying long-term scientific, technological challenges and funding opportunities.

- Mandate

- *Identify new scientific challenges;*
- *Advise ESSAC on ECORD long-term planning and scientific and operational strategy, including science, technology and partnership;*
- *Assist EMA to establish a European infrastructure focussed on sub-surface sampling and observing systems;*
- *Identify co-funding opportunities (industry, EC, national funding agencies),*
- *Plan relationships with industry and other science programmes and organisations;*
- *Identify potential new members for the consortium and take the appropriate actions.*

- *Recent activities*
- Expansion of the ECORD Consortium
- “ECORD Forward Look”:
 - ✓ ECORD and the EC – European Commission
 - ✓ ECORD and its collaboration with other science programs
 - ✓ New ways of operating MSPs (CPPs, APLs)
 - ✓ ECORD and its collaboration with industry
- New opportunities for the ECORD Education Program
- « ECORD associated members «

ECORD Forward Look

- ✓ ECORD and the EC: Integrated Infrastructure Initiative
- ✓ ECORD’s collaboration with other programs and initiatives

Integrated Infrastructure Initiative

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*

DEDI – Distributed European Drilling Infrastructure

Rationale -

The Distributed European Drilling Infrastructure (hereafter: DEDI) will go beyond existing activities such as IODP (Integrated Ocean Drilling Program, and its successor, the International Ocean Discovery Program), as is explained in more detail in a Consultation statement by Gilbert Camoin for the ECORD Managing Agency. DEDI will also overarch other European initiatives such as Eurofleets, now followed by Eurofleets2, in which drilling (e.g. the MARUM seafloor drill MeBo) is made available to all European marine scientists for the first time. Other established RIs such as EMSO, the European Multi- Disciplinary Seafloor Observatory, or EPOS (European Plate Observing System) would benefit from new data in the third dimension collected using DEDI monitoring technology such as borehole sensors, etc.

Scientific domain	Total received	Duplicates	Assessed	No of experts involved
Biological and Medical Sciences (BMS)	104	32	72	11
Energy (ENER)	24	2	22	5
Environmental and Earth Sciences (ENV)	273	220	53	10
Mathematics and ICT (ICT)	14	3	11	5
Engineering, Material Sciences, and Analytical facilities(MAF)	52	8	44	7
Physical Sciences (PHY)	53	34	19	6
Social Sciences and Humanities (SSH)	27	2	25	6
Total	547	301	246	50

Annex

List of topics with high potential and with merit for future Horizon 2020 actions for integrating and opening existing national research infrastructures

ENV11/ENV12	European Research Drilling Infrastructure (integrate with IODP, share technology with ICDP and link with EMS).
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COUNCIL DECISION ESTABLISHING THE SPECIFIC PROGRAMME
IMPLEMENTING HORIZON 2020 - THE FRAMEWORK PROGRAMME
FOR RESEARCH AND INNOVATION (2014-2020)

WORK PROGRAMME 2014 – 2015

4. European research infrastructures (including e-Infrastructures)

INFORMAL DRAFT DISCUSSION DOCUMENT

18/09/2013

Important notice:

The present document is meant to facilitate the discussions towards the preparation of the work programme 2014 – 2015. It does not at this stage cover all relevant aspects and it does not prejudge the outcome of the on-going interinstitutional negotiations on Horizon 2020 or internal work on cross-cutting aspects. Hence, it remains subject to change. Information, such as indicative budgets per call/area, will be provided at later stage.

- > Usual funding of WPs : € 5 - 7 M over 4 years
 - > Trans National Access (access to cores and data; ECORD expansion) : 20 %
 - > Joint Research Activities (Technological development and innovation : drilling equipment, instrumentation) : 60 to 70 %
 - > Legal and financial long-term structure : 5 %
 - > Networking activities (training, workshops) : 5 %
 - > Management : 7 %
- > Full proposal due in September 2014

Research infrastructures for ocean drilling. This activity should develop a unique EU component for scientific research drilling. It should integrate with IODP (Integrated Ocean Drilling Program) and share technology (drilling and logging, sample and data curation) with ICDP. It needs to link with EMSO (European Multidisciplinary Seafloor Observation) and other crustal boreholes in creating underground and subseafloor observatory network. It should foster involvement of and links with industry in underpinning joint research projects.

Kick off meeting: March 7th, Bremen

- EMA (G. Camoin)
- ESO-BGS (R. Gatliff, D. McInroy, A. Stevenson, D. Smith)
- ESO-BCR (U. Rohl, H. Wallrabe-Adams)
- ESO-EPC (J. Lofi)
- MARUM / MEBO (T. Freudenthal)
- ESONET / EMSO (C. Waldmann)
- DS3F (A. Kopf)
- ICDP (B. Horsfield)
- IMAGES (F. Lamy)
- ISOR (Á. Hjartarson)
- IFREMER (A. Cattaneo)

- Developing the concept of Mission Specific Platforms

- Developing and using new tools

- Science

- ✓ New drilling/coring targets / scientific issues
- ✓ Services to the European Science community

- Technology

- ✓ Technological development
- ✓ Sharing of experience and capabilities

- Networking

- ✓ Stronger collaboration between:
 - Research & operational groups across Europe
 - ECORD/IODP and other programmes (e.g. ICDP, IMAGES) and initiatives (e.g. EMSO)

Funding

- ✓ Optimise use of research vessels and sampling capabilities
- ✓ Cost efficiency for IODP MSP operations
- ✓ New opportunities for funding (national level, EC, partnership with industry, SMEs)

New opportunities for the ECORD Education Program

Background :

- ✓ Some countries have expressed interest in ECORD education & outreach activities
- ✓ Interest from non ECORD Countries expressed in applications received by ESSAC

Objective :

- ✓ Offer the possibility to non-ECORD countries to participate in ECORD Educational activities (*MagellanPlus Workshop Series, Distinguished Lecturer Program, ECORD Summer Schools, ECORD Scholarships, ECORD grants*)

How ?

- ✓ Annual contribution needed (« ticket ») : \$10 k
- ✓ Non-ECORD countries will get the same rights to access the ECORD Educational program

Benefits :

- ✓ *Community building*
- ✓ *Establishment of privileged relationships with new potential partners*
- ✓ *Development of ECORD educational activities (e.g. New Schools, more ECORD Grants)*
- ✓ *Opening of the ECORD Educational program to Developing / Emerging Countries*

ESSAC Consensus 1311-04:

ESSAC endorses contributions by non-ECORD IODP countries to participate in the ECORD Educational Programs

ECORD Council Consensus 13-04-2

The ECORD Council approves to implement the proposal to include non-ECORD IODP countries in ECORD's educational activities

The status of « ECORD associated members »

Objective :

- ✓ Open the possibility for non-ECORD IODP countries to offer in kind contributions

(e.g. ship time ; drilling equipment) in exchange of berths on any MSP expedition

Benefits :

- ✓ *Access to the most appropriate ships/platforms*
- ✓ *Potential cost savings for MSP expeditions*
- ✓ *Establishment of privileged relationships with other IODP members*

ECORD Council Consensus 13-06-2

The ECORD Council approves the creation of the new status of "ECORD Associated Members"

ECORD and the other programs

- ICDP Science Conference: Potsdam, Germany, Nov. 13

- EMSO Conference: Rome, Italy, Nov. 13

- IMAGES: ISOLAT Workshop funded by ECORD and held in Sept. 2013 ; submission of a proposal expected for the April 1st, 2014 deadline

- ANDRILL: meeting at the AGU regarding a potential IODP CPP with ECORD

2.3 JR Facility Board Report

D. Weis reported about the outcome of the last JR Facility Board meeting, held in Washington, DC, 23-24 April 2014.

D. Weis showed the Agenda.

Wednesday		23 April 2014
0800-0830		Coffee & Pastries
0830-0850	1. Welcome, Introductions, Rules of Engagement	Humphris
	A. <u>Meeting Logistics</u>	
	B. <u>Attendee Roster</u>	
0850-0855	2. Approval of Agenda	Humphris
0855-0900	3. Approval of <u>August 2013 JRFB Meeting Minutes</u>	Humphris
0900-0920	4. Science Support Office Report	Given
	A. <u>Proposals status</u>	
	B. <u>Site survey data bank</u>	
	C. Website	
0920-0950	5. Report of the Facility Boards	
	A. <u>ECORD Facility Board Report</u>	Gohl
	B. <u>Chikyu IODP Board Report</u>	Kimura/Eguchi
0950-1030	6. <u>Report on Science Evaluation Panel Meeting #1</u>	Kroon/Mallinson
		Coffee Break
1100-1200	7. Remaining Policies/ Procedures	Humphris
	A. <u>Third Party Tools Guidelines</u>	Murray
	- Revisions made	
	- Approval	
	B. <u>IODP Samples, Data & Obligation Policy</u>	Divins
	- Revisions made	
	- Approval	
	C. <u>Sample Policy Implementation Plan</u>	Humphris
	- Approval	
		Lunch
1300-1330	8. <u>Progress Towards the Science Plan Challenges & Themes</u>	Becker
1330-1415	9. <u>Overview of All Proposals at the Facility Board</u>	Yamamoto
1415-1500	10. Overview of JR Proposals Ready for Scheduling	Kroon/Mallinson
	A. <u>Overview</u>	
	B. <u>SEP Strategic Priorities for the First 5 Years</u>	

1530-1600	11. Options for a FY'16 JR Schedule	Malone
	<ul style="list-style-type: none"> - Options for FY'16 <ul style="list-style-type: none"> o Response Letter from Proposal 781A-Full o Response Letter from Proposal 800-MDP o Responses RE: Proposals 505-Full and 693-APL - Strategic positioning for high priority science in future years 	

1600-1700	12. Discussion of the FY'16 Scheduling Options	All
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Thursday **24 April 2014**

0800-0830 Coffee & Pastries

0830-0930	13. Development of a FY'16 JR Schedule	All
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0930-1030	14. Overview of JR Facility Draft FY'15 Annual Program Plan	Clement
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Coffee Break

1100-1200	15. Discussion of Facility Annual Program Plan	All
	<ul style="list-style-type: none"> - Path to approval 	

Lunch

1300-1330	16. Overview of Support Office FY'15 Annual Program Plan Elements	Given
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1330-1400	17. Discussion of Support Office Annual Program Plan	All
	<ul style="list-style-type: none"> - Path to approval 	

1400-1500	18. Publications in the New IODP	Clement
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Coffee Break

1530-1600	19. Membership of JRFB	Humphris
	<ul style="list-style-type: none"> A. Increase US membership from 5 to 6 scientists B. New Chair C. Other members rotating off; replacement plans 	

1600-1615	20. Review of Consensus Statements and Action Items	All
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1615-1630	21. Other Business and Next JRFB Meeting	
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Adjourn

- > 45 participants, including a big delegation from China
 - Long discussions about Fast-track review.
 - *Maintain the ability to do that but use only in exceptional circumstances.*
 - Also in ECORD FB. Check new policies.
- Discussion: publication rules and rate.
- D. Weis also showed the IODP Expedition Drilling Schedule.

2.4 ECORD Facility Board Report

D. Weis presented a summary of the outcome of the ECORD Facility Board meeting held in Bremen, 5-6 March 2014.

Scheduling of MSP expeditions

Five proposals had to be reconsidered for scheduling:

581 (Coralgal Banks)

- 637 (New England Hydrogeology)
- 716 (Hawaiian Drowned Reefs)
- 548 (Chicxulub Crater; provisionally scheduled at EFB meeting in 2013)
- 758 (Atlantis Massif; provisionally scheduled at EFB meeting in 2013)
- Two additional proposals were forwarded by SEP:
- 708 (Arctic Paleoclimate)
- 813 (Antarctic Paleoclimate)

Scheduling strategy for MSPs

- Scheduling plan for the **first 5 years** of the new IODP phase (until 2018)
- **Only one high-cost expedition** within the first 5-years
- Drilling in the **Arctic Ocean** (high cost) is a high priority for ECORD
- EFB intends to schedule **an Arctic expedition in 2018** (or in 2017), either proposal 708 or another Arctic proposal
- Relatively **inexpensive expeditions** (e.g. MeBo/RD-II or long-piston coring) are likely be scheduled for the **other years from 2015 to 2018**
- Expedition to **Atlantis Massif** (proposal 758) is scheduled for **2015**
- A **low-cost expedition** can be scheduled for **2016**, and one for **2017**.
- Decisions will be made until or at next EFB meeting and will depend on ECORD priorities, maturity of proposals, availability of seabed drilling systems and suitable research vessels

2014	2015	2016	2017	2018
(none)	758 Atlantis M.	low-cost exp.	low-cost exp.	Arctic (open)

D. Weis reported about the **MSP expedition 357 Atlantis Massif – Oct. – Nov. 2015**.
 Serpentinization and life: Biogeochemical and tectono magmatic processes in young mafic and ultramafic seafloor
 Lead Proponent: G. Früh-Green, ETH Zurich, Switzerland
 Co-chiefs: Gretchen Früh-Green and Beth Orcutt
 Research Vessel (UK?) & Seabed Rock Drill (MeBo ± BGS Rock Drill)
 Topic: *Deep biosphere and hydrothermal activity*

IODP-MSP proposal table, ECORD FB Meeting 5-6 March 2014

IODP-MSP proposal	Drilling plan	Platform	ESO expedition cost estimates in mill. US\$ (average) (from 6 Mar 2014)	MSP/ECORD priorities (outlined in ECORD documents)	Remarks	EFB decision at meeting
758 Atlantis Massif (G. Früh-Green)	WD 750-1770 m, 10 holes 50-70 m	MeBo & RD2	3.7 - 4.4 (<u>4.1</u>)		ship not included	scheduled for 2015 (2nd half)
813 Antarctic Paleoclimate (T. Williams)	WD 353-1407 m, 18 holes 80 m	MeBo/RD2	4.6 - 7.8 (<u>6.2</u>)	drilling in polar regions	ship not included	not scheduled; perhaps considered for 2016 or 2017
716 Hawaiian Drowned Reefs (J. Webster)	WD 134-1154 m, 11 holes 150 m	geotech drill or MeBo200	8.0 - 13.0 (<u>10.5</u>) or 4.8 - 7.7 (<u>6.3</u>)		MeBo option: ship not included	not scheduled; perhaps considered for 2017 with MeBo200
708 Arctic Paleoclimate (R. Stein)	WD 1334-1752 m, 1 hole 1225 m	drill vessel	18.8 - 26.8 (<u>22.8</u>) or <u>15.5</u>	drilling in polar regions (Arctic in particular)	costs include chartered icebreaker (\$7.3 m) without icebreaker costs	not scheduled, but to be kept in holding bin; seriously considered with other Arctic proposals to be scheduled for 2018 (or 2017 if budget allows)
548 Chicxulub Crater (J. Morgan)	WD 17 m, 2 holes 1500 m	liftboat or jack-up platform	12.8 - 23.7 (<u>18.3</u>)		ICDP proposal submitted Jan 14; possible contribution by Mexican/Yucatan government	not scheduled, but to be kept in holding bin; perhaps reconsidered if costs can be reduced to low-cost category, or for 2nd 5-year phase of IODP
581 Coralgal Banks (A. Droxler)	WD 60-78 m, 7 holes 70-100 m	geotech drill or MeBo/RD2	5.5 - 8.7 (<u>7.1</u>) or 2.3 - 3.4 (<u>2.9</u>)		MeBo option: ship not included	not scheduled, but to be kept in holding bin; MeBo option perhaps reconsidered for 2016 or 2017
637 New England Hydrogeology (M. Person)	WD 33-79 m, 5 sites, each 2 holes cored & 5 LWD 350-650 m	large liftboat or industry rig	24.8 - 39.3 (<u>32.1</u>)			not scheduled, but to be kept in holding bin; perhaps reconsidered for 2nd 5-year phase of IODP

Requests for Addendum: 548 Chicxulub Crater (submitted 1 April 2014)
708 Arctic Paleoclimate
813 Antarctic Paleoclimate

Next EFB meeting

- 25-26 March 2015 in Aix-en-Provence (France)
- Change of agenda:
 - 1st day: presentation/discussion of MSP proposals and scheduling
 - 2nd day: decision on MSP schedule; other items (reporting, policies)

Other items

- Terminating strategy for proposals that cannot be drilled in current IODP phase (topic for IODP Forum?)

B. Wade complained that she did not get feed back about her proposal status easily.

G. Früh-Green said that she might insist on getting the information by asking TAMU.

D. Weis expressed how important is to provide information for the JR Facility Board meetings because the Expedition schedule is decided there. In addition, someone of the ECORD council should go to these meetings, so that ECORD does not risk losing the chance to cast a vote.

> ESSAC Action Item 1405-01: The ESSAC chair shall discuss with Gilbert Camoin possibilities for the ESSAC chair or liaison to act as an official voting alternate on the JR Facility Board (JRFB) in the case that the official EMA/ECORD representative cannot attend the JRFB meetings and ECORD would be without a vote in the final decisions.

3. ESO and ESSAC News

3.1 ESO

A. Stevenson presented the news of ESO (See also Annex 1)

- **Offshore phase of Expedition 347: Baltic Sea Paleoenvironment**
Ended in November 2013, reported at the Haifa meetings
- **Expedition 347 Onshore Science Party**
Held from 22 January–20 February 2014 in Bremen
- **Scoping of future MSP expeditions**
Information presented to the ECORD Facility Board, March 2014
- **Planning for the next MSP**
IODP Expedition 357: Atlantis Massif, Oct-Nov 2015
- **Engineering Development program underway**
Associated with Expedition 357 – seafloor drill logging and plugging tools

Expedition 347 Onshore Science Party:

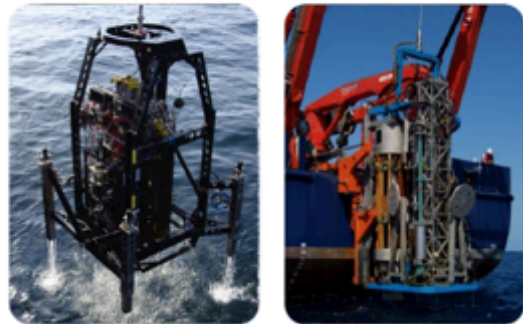
- 1,623m of core described and analysed
- 26,700 samples taken
- 30 consecutive days, 15 hrs a day
- 65 participants (Science Party and ESO)
- Good media coverage
- Promising science (Preliminary Report to be published in the next couple of weeks)

Scoping Future MSPs

IODP Proposal	Proposal Name	Comments
758	Atlantis Massif Seafloor Processes	Designated IODP Expedition 357. Scheduled for Oct/Nov 2015.
813	Antarctic Cenozoic Paleoclimate	Relatively low cost seafloor drill expeditions, potential candidates for 2016 or 2017.
716	Hawaiian Drowned Reefs	
581	Late Pleistocene Coralgall Banks	
708	Central Arctic Paleoclimate (ACEX2)	Relatively high cost expedition, potential candidate for 2018 expedition (possibly 2017).
548	Chicxulub K-T Impact Crater	Relatively high cost expeditions, potential post-2018 expeditions.
637	New England Shelf Hydrogeology	
???	Any new MSP proposal submissions will be assessed by the SEP, scoped by ESO and considered by the EFB.	

ESO 2014 Engineering Development

- Engineering Development budget recently approved by ECORD Council.
- Program is focussed on developing new **dual induction resistivity** and **magnetic susceptibility** tools that are compatible with both the BGS and MARUM drills.
- This will add to the existing downhole **spectral gamma ray** capability (MARUM and BGS) and the downhole **optical and acoustic imaging** capability (BGS only).
- Program is also developing a **borehole plugging system** for seafloor drills to enable later fluid sampling and borehole instrumentation by ROV.
- Program is underway:
 - BGS/MARUM working with ANTARES on tool development.
 - Tools expected to be ready for testing in 5-7 months.



3.2 ECORD Education & Outreach Task Force update

P. Maruéjol reported on the outreach activities and news of the ECORD Outreach and Education Task Force (<http://www.ecord.org/about/structure.html>). Also see Annex 2.

The **ECORD Outreach & Education Task Force** met on 4-5 February 2014 in Bremen to review recent activities/resources and develop upcoming actions.

TF Members:

A. Stevenson, A. Gerdes (ESO),
G. Früh-Green, J. Gutiérrez Pastor (ESSAC),
(ESSAC), G. Camoin, M. Borissova and P. Maruéjol (EMA).

TF Guests:

T. Wiersberg (ICDP) and M. Wright (Consortium Ocean Leadership)

Recent activities (Nov 2013 - May 2014)

Promoting ECORD:

Participation and/or distribution of ECORD materials in international conferences (AGU 2013, JpGU 2014), **MagellanPlus workshops, national events** (Netherlands, Germany, France, Portugal, Israel, Australia), and **other events** (signature of the ECORD-JAMSTEC MoU, Exp 339 Post-cruise Meeting).

1- Programme materials:

Publications: ECORD Calendar, Annual Report 2013, Newsletter #22, ECORD folder;
Videos, Core replicas

ECORD Newsletter #22: 28-page issue

- News from the ECORD Council and EMA, EFB, ESO (Baltic Expedition), ESSAC, ECORD Outreach and member countries (11/18)
- Reports of MagellanPlus Workshops
- Reports of outreach events held in Spain and Portugal
- ACEX-2 Proposal
- ICDP: new science plan

Next ECORD Newsletter:

- #23 will be released on late October 2014
- Reports of ECORD Research Grants, Summer Schools
- MagellanPlus reports: Corinth, BLACKSINK
- Exp. 339 Mediterranean Outflow focusing on contourites
- Which IODP Proposal to be highlighted?

Call: early July

Deadline for contributions: October 1

Videos:

- Video of Baltic expedition available on Youtube
<http://www.youtube.com/user/ecordeso>
- Documentary on earthquakes by French National TV: journalist went onboard onboard the *Chikyū* (P. Henry, CEREGE/Collège de France) during Exp 348 for shootings.
- ARTE documentary on the deep biosphere/microbiology of the sub-seafloor: permission to use existing video footages of Shimokita Exp 336, Atlantis Massif ?
- ECORD Education video: support of a project between J.L. Bérenguer and D. Brinkhuis
- Videos during Bengal Fan Exp: Dan Brinkhuis is looking for ECORD support

Core replicas:

- Displayed at national events (Germany, Italy, Australia), Teacher Workshop in France and Urbino Summer School 2014
- A core replica of J-FAST expedition is in preparation.

G. Früh Green advised Patricia to send ECORD outreach material to Australia when sending the core replica.

2- Outreach activities at EGU 2014 (April 27 - May 2):

Exhibition booth, Townhall Meeting (co-funded by ECORD and ICDP) and Media conference

About 12,400 participants (+474) from 106 countries (+11) with 27% students (-1%)

Since 2009 joint ECORD/IODP-ICDP participation

- Scientific Drilling IODP-ICDP Booth (*co-funded by ECORD and ICDP*) with logging demonstrations held by ICDP and EPC
- IODP-ICDP Day: Townhall meeting (*200-220 participants*) and EuroForum 2014 (IODP-ICDP session)

<http://www.ecord.org/pi/egu14.html>

>> EGU 2015: April 12 - 17, 2015, Vienna

3- ECORD online:

websites, social networks, videos, publications

ECORD website:

- Continuing updates
- Posting information and reports of MagellanPlus workshops

- ECORD in the News: on the BBC Top Stories <http://bbc.in/1n4mWvo> after the media conference at EGU
- Collecting ECORD information of ECORD Wikipedia article
- Preparing a new home page on ecord.org

Social Networks

- Twitter (290 followers)
- ESSAC facebook (Julia)
- Youtube videos on “ECORD/ESO” channel

P. Maruejol started the discussion about how to retrieve the **Science publications** on ecord.org but no consensus was reached.

1. Collection of citations: via reports, Google scholar, Crossref , Web of science, etc., with appropriate format (e.g. doi) to be exported + Help from the authors, ESSAC Delegates and national offices

2. Creating and feeding the database

3. Posting the list of citations + search the database on ecord.org.

Potential tool:

Web Reference database (Refbase): web-based, platform-independent, multi-user interface for managing scientific literature, references and citations - <http://www.refbase.net> - open source

Who is in charge? ESSAC-EMA

Next ECORD O &E Task Force meeting:

September 3-4, 2014 in Zurich

Outreach activities at future conferences:

Strategy for exhibition booths was discussed at the TF meeting in Bremen

- Which meetings (general/specialised),
- Exhibition booth should be combined with IODP sessions/workshops
- Adapt the display/resources to the corresponding audience

3.3 ESSAC Office news

J. Gutiérrez-Pastor presented a brief summary of the main ESSAC office news since January 2014.

- 1st ESSAC new: The ESSAC office has moved to Switzerland since the 1st of January 2014, hand in hand with the new **International Ocean Discovery Program**

New ESSAC OFFICE contact:

ETH Zurich

Institute of Geochemistry and Petrology

Clausiusstrasse 25, NW E 84.2

CH-8092 Zurich

Switzerland

Tel: +41 44 632 8462

+41 44 632 3794

Fax: +41 44 632 1636

essac.office@erdw.ethz.ch

- MSP Expedition 347: Baltic Sea Paleoenvironment: completion of offshore and onshore phases of the Expedition
17 ECORD Scientists

USIO Expedition 349: South China Sea (CPP), (26 January-30 March, 2014)
3 ECORD Scientists

Staffing completed for:

USIO Expedition 350: Izu Bonin Mariana: Rear Arc (30 March-30 May, 2014)

USIO Expedition 351: Izu Bonin Mariana: Arc Origins (30 May-30 July, 2014)

USIO Expedition 352: Izu Bonin Mariana: Fore Arc (30 July-30 September, 2014)

4 USIO Expedition Calls have been issued and processed for:

- Expedition 353: Indian Monsoon Rainfall Deadline: 15 January, 2014
(Nov 2014-January 2015) *Staffing completed*
 - Emergency Call for Biostratigraphers Deadline: 22 April, 2014
- Expedition 354: Bengal Fan Deadline: 15 January, 2014
(January-March 2015) *Staffing completed*
 - Emergency Call for Biostratigraphers and Paleomagnetists
Deadline: 13 May, 2014
- Expedition 355: Arabian Sea (CPP) Deadline: 8 May 2014
(March-May 2015)
Application process completed. *Ranking after ESSAC meeting*
- Expedition 356: Indonesian Throughflow Deadline: 8 May 2014
(July-September 2015) *Extended deadline: 8 June, 2014*

Panel Calls to replace members rotating off these panels have been issued for:

- Science Advisory Panel (SEP) Deadline: 28 January, 2014
Selection completed
- Environmental Protection and Safety Panel (EPSP) Deadline: 28 January, 2014
Selection completed

MagellanPlus Workshops Call Deadline: 1 July, 2014

Education Calls:

- ECORD Distinguished Lecturer Programme (DLP)
Deadline: 31 March, 2014
Ranking done. Selection of candidates at this meeting
- ECORD Scholarships
Deadline: 2 April, 2014
Ranking done. Selection of candidates at this meeting
- Call To host ECORD Summer Schools
Deadline: 5 May, 2014
Selection of candidates at this meeting
- ECORD Grants
Deadline: 5 May

Ranking in process. Selection of candidates at this meeting
Extended Deadline: 14 May, 2014

Outreach & Education (EMA-ESO-ESSAC)

- Outreach and Education Task Force meeting in Bremen, February 2014
- Assisting to the EGU 2014 booth, Town Hall, session and Press Conference, April 2014
- ESSAC in the IODP Swiss Day
- ESSAC Facebook
- Websites and new distribution list at ETH

ECORD Publications (EMA-ESO-ESSAC)

- Newsletter 22
- ESSAC Flyer
- 2013 Annual Report

ESSAC participation in other meetings:

- ECORD Facility Board, March 2014
- JR Facility Board, April 2014 (liaison: D. Weis)
- EGU General Assembly (special session), April 2014

3.4 ESSAC representatives and National Office reports

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

Canada, D. Weis:

Canada has very good news. They could extend the contribution to be part of ECORD at least for the next year and, if the system works, it will continue for a longer term. They even have got financial support from the Universities. Her university contributed 50,000 dollars. From the science point of view, a good news is the Nature paper derived from the Expedition 345.

D. Hanano: They have some money to support a couple of students to attend the summer schools. There will be a conference in Vancouver in October with a booth. She will be requesting material for that.

Denmark, M.S. Seidenkrantz:

The main interest remains in the Baltic Sea Expedition. Also there is interest in the Artic.

Three scientists sailed on the Baltic Sea expedition as micropaleontologists and one shore-based scientist was a geologist. She has got a Post-doc scientist in Denmark who was sailing as a French in the Baltic Expedition. This means more input from this expedition. The first results will be presented in a meeting in September.

One Danish student has been selected for the Urbino ECORD Summer School and 2 for the Bremen ECORD Summer School.

It is difficult to get funds for people to develop IODP research and for travel expenses. Usually those funds come from projects. There are only funds for the Danish delegate to attend ESSAC meetings and for the membership.

Finland, A. Kotilainen:

They are continuing the work on the Baltic Sea Expedition. They have scientists working as onshore scientific party members (A. Kotilainen and one post-doctoral scientist, the alternate from Finland). The preliminary results were presented in a Finland national Colloquium and also at EGU. He also participated in the media conference of EGU. The Kari Strand's team is still working with IODP material from the Arctic and Antarctic Expeditions. There is a new person from Finland in the ECORD Council <http://www.ecord.org/c/council.php>

France, C. Ceuleneer:

The contribution of 5.2 million dollars will be until 2018. They have also a difficult political situation. Related to internal news, Serge Berne is no longer the ESSAC delegate. He will be part of the site survey sub-group of the Science Evaluation Panel (SEP). C. Ceuleneer is the new ESSAC delegate and Anne Le Friant the ESSAC alternate. She is a specialist in Geological Hazards. She will come to the next ESSAC meeting in Zurich. The IODP France contact person, Bénédicte Abily, has moved to Australia for a post-doc position. Now they are counting on a new person in IODP France, with expertise in paleo-environmental science. The major task has been to create a list of publications with French IODP scientists (about 600).

From the educational point of view, Jean-Luc Berenguer is a teacher who has participated in Expedition 345 and it is very active onshore. He organized a workshop (50 people) for teachers with Susan Gebbles (UK) and this was very well received and hence, inserted in the National Education Plan for Teachers. The topic was how to teach science to kids. It was very success. Jean-Luc Berenguer also visited some schools and showed rocks to kids. France has decided to decrease its annual contribution a bit to support French scientists (for post-doctoral scholarship) and for post-cruise research. They have had many French applications for the 354 Expedition and maybe it is because they will have funds to develop the research after the Expedition.

Germany, A. Bornemann:

They had a new call for DFG research proposals and they have received 51 applications, which means that the German scientific community is very active. They had a successful IODP-ICDP colloquium in March. One special highlight was for kids. It was very well attended (600 pupils). There was a moderator with expertise simulating science. Material related to this day is available on the internet. A. Bornemann is currently the science coordinator for IODP Germany.

Iceland, B. Brandsdóttir:

They have not been participating in the last years. There is a group of scientists that work and are interested in IODP, especially in site survey activities in the north Atlantic. They would like to continue being part of IODP. They have a new government since a year ago. They have a lot of changes in science funds and they do not really know what is going to happen. The research council does not expect to give a contribution but B. Brandsdóttir has still hopes.

Ireland, D. Hardy:

Ireland has a small community. It is a small country. They are working on having young people (PhD students) involved in the program but it is not an easy task. They have an Annual Geological Research meeting. To apply for a DLP speaker could be a good idea, as G. Früh-Green has suggested.

Israel, N. Waldmann:

The past February there was the annual meeting organized by the Israel Geological Society on the Dead Sea. He participated in a booth and provided information about the IODP program to the attendants. P. Maruejol sent material for the booth to him. He gave a talk of 5 minutes (400 people). There were two applicants from Israel to recent Expedition calls: one for 353 Expedition (as inorganic geochemist and palaeontologist), which has not been accepted, and another one for Expedition 355 (as paleomagnetist in response to the special call).

Three scientists from Israel have been involved in two Magellan Workshops: The DREAM I in Brisghella, Italy and the DREAM II in Paris.

Italy, A. Argnani:

They have many Italian people involved in IODP. They are compiling a list of publications related to IODP. There are many Italian scientists involved in a proposal to drill into the Mediterranean Messinian. They had the Magellan DREAM Workshop in Paris the past February. They will have an Italian Geological Congress in Milan, in September. A session with significant IODP contributions is expected.

The Netherlands, S. Schouten:

There was a Dutch IODP meeting past October in Amsterdam (50-70 people). G. Camoin gave a very nice presentation there. In addition, there was a dedicated IODP-ICDP session on the bi-annual Dutch Earth Science conference this April in the Netherlands (ca. 200 people).

Caroline Slomp, from The Netherlands, participated in the Baltic Sea Expedition 347. Also Marco Mafione will participate in IBM expedition 351 as a paleomagnetist (first in the Netherlands with this expertise). In addition, there was a Magellan Workshop on drilling in the Black Sea in Utrecht this year.

Norway, H.F. Kleiven:

It is a challenge for Norway to get people to sail on IODP Expeditions. She is happy to have Cedric Hamelin, from Bergen, sailing on Expedition 350 as an Inorganic Geochemist. Katrine Husum changed institutions in March, and is now at the Norwegian Polar Institute (northern part of Norway). As a result, both are kind of covering the Northern and Southern part of Norway (she is in Bergen). They want to promote IODP in Norway using the web page more actively. They are working to get the brightest proposals and want to build a new generation of young people (PhD students and post-docs) that participate in IODP research. There is a high quality of research based on past and current IODP/IODP material. There are good projects between University and Industry. They have come back to work on material of Expedition 202. The distribution list is updated regularly. It is important that the community is informed. There is an annual meeting (Norway Geological Survey) with high impact. This is a good opportunity to spread information on IODP research and promote it. There were two Norwegian applications for Expedition 354, one of them is a biostratigrapher from Statoil. It is very good to strength the links between the University and Industry.

Poland, S. Uscinowicz:

The Polish activities are concentrated in the Baltic Sea Expedition. They had scientists participating in the onshore party, some palynologists. Analyses are in progress. They are looking for national funding for extension of analyses. One of the proposals will be submitted soon and another one will be for the next year.

Portugal, A. Voelker:

One Portuguese scientist is going to sail in Expedition 351 as an Inorganic Geochemist, Clara Sena (resulting from a special call). Finally, interest in IODP and the specialities of scientists applying to IODP Expeditions is spreading in the Portuguese geoscience community. One professor from the University of Algarve requested the K-T core replica from P. Maruejol. On the scientific side, there is a lot of involvement in the Mediterranean Outflow Expedition. They have the second post-cruise meeting next week. There is now a Science paper accepted related to this expedition. A Portuguese scientist sailed in the Asian Monsoon Expedition.

Sweden, J. Henderiks:

They are very happy with the number of berths this year, 4 in total. Currently Manuela Bordiga and Abigail Barker are sailing on Expedition 350. The applications will be lower the next two years. They could not apply to the Swedish research council because the council does not fund infrastructure in the way that they used to. The Swedish drilling program continues next year, more in ICDP and Swedish coast drills. Also, some funds are used in advertising and mainting the webpage. They run at the minimum level of funding. Sweden cannot provide funds to IODP scientists for travel support.

Switzerland, G. Früh-Green:

The ESSAC office is currently in Zurich. There was a Swiss drilling day (ICDP-IODP) in February. J. Gutierrez-Pastor was at this meeting representing ESSAC. Switzerland has young people (PhD students) sailing in IODP expeditions. It is very important to show to the funding agencies that young people may be benefiting from the program. Switzerland has Andrea Moscariello as chair of the ILP and Michael Strasser is member of SEP, who will rotate off after the next meeting. In Switzerland the funding is stable, the activity in the program is good and there is visibility of the program.

UK, B. Wade:

UK has a new Chair in the UK-IODP Programme Advisory Group, Damon Teagle (Southampton) and a new IODP Science coordinator, Sean Burke (BGS).

UK is happy with the participation in expeditions. Julian Pearce (UK) is co-chief of the IBM Expedition 352. In the new program they have moratorium awards that guarantee funding for scientists to develop IODP research. They have a site survey call this year (September). They are supporting 6 scientists to attend a Paleooceanographic meeting in Brasil. There was also the Micropaleontology and the IODP Conference in November, 2013 at the Natural History Museum of London. It was very successful. Also there will be an IODP UK day in November.

4. Expeditions, Nominations and Staffing (1)

4.1 Staffing

G. Früh-Green gave an update on Staffing.

4.1.1 Updates on expedition staffing and applications

4.1.2 Ranking procedures and statistics

4.1.3 Discussion – Quotas, CPPs, in-kind contributions

4.1.4 Discussion of ranking feedback among ESSAC Delegates

Updates on expedition staffing & applications

Arabian Sea Monsoon (CPP - Exp. 355) – distributed for ranking*

Open call to apply for Indonesian Throughflow (Exp. 356):

2 June 2014 (US applicants)

8 June 2014 (ECORD applicants)

*CPP: Complementary Project Proposal is contingent on substantial financial contributions outside of normal IODP funding. *Exp. 355: tentatively 4 ECORD berths.*

Summary ECORD Staffing on JR Expeditions FY13-FY14

JR EXPEDITION	#	Dates	Status Staffing	ECORD Staffing
South China Sea CPP	349	28 January - 30 March 2014	<i>Completed</i>	3 ECORD: 1 F, 1 CH 1 special call (CH)
Izu Bonin Margin Rear Arc	350	March-September 2014	<i>Completed</i>	10 ECORD: 2 D, 2 UK, 1 F, 1 N, 1 SE 3 special call (1 SE, 2 UK)
Izu Bonin Margin Arc Origins	351	30 May - 30 July 2014	<i>Completed</i>	8 ECORD: 4 UK, 2 D, 1 CH, 1 NL
Izu Bonin Margin Forearc	352	20 July – 29 September 2014	<i>Completed</i>	8 ECORD: 3 D, 2 F, 2 UK 1 special call (A) Co-chief: J. Pearce

Updated list of Participants was distributed to Delegates & Alternates with the Agenda Book.

JR Expedition 353: Indian Monsoon: 29 November 2014-19 January 2015, Singapore to Singapore

Co-Chiefs: Steven Clemens & Wolfgang Kuhnt

Objectives: Late Cretaceous-Holocene sediments to better understand the physical and Climatological mechanisms underlying changes in monsoonal precipitation, erosion, and run-off across multiple time scales.

DEADLINE FOR APPLICATIONS: 15 January 2014

DEADLINE FOR NOMINATIONS: 15 March 2014

Total 24 Applicants; Germany: 5, UK: 6, Italy: 1, Sweden: 1

Invitations (3 UK; 3F; 3 D; 1 I):

LITTLER, Kate (UK)	Sedimentologist
MARTINEZ, Philippe (France)	Sedimentologist**
TAYLOR, Samuel (France)	Paleomagnetist
RODRIGUEZ, Mathieu (France)	Physical Properties/downhole meas.
HATHORNE, Ed (Germany)	Inorganic Geochemist
ROMERO, Oscar (Germany)	Diatom Micropaleontologist
BOLTON, Clara (France)	Nannofossil Micropaleontologist
BARTOL, Milos (Sweden)	Nannofossil Micropaleontologist
ANAND, Pallavi	Physical Properties

**** Martinez has withdrawn since the ESSAC meeting. Was replaced by ANAND.**

Applications from ECORD countries in response to special call for biostratigraphers, Exp. 353

Candidate	Country	Expertise	Position
Brombacher, Anieke	UK	Planktonic Foraminifera	PhD Student
Fox, Lyndsey	UK	Planktonic Foraminifera	PhD Student
Gariboldi, Karen	Italy	Micropaleontology, Marine Diatoms	PhD Student
Holbourn, Ann	Germany	Micropaleontology (planktic and/or benthic)	Researcher
Poole, Christopher	UK	Planktonic Foraminifera	PhD Student

Applicant invited is in orange.

**JR Expedition 354: Bengal Fan: 29 January-31 March 2015
Singapore to Sri Lanka**

Co-Chiefs: Christian France-Lanord & Tillman Schwenk

Objectives: to obtain a Neogene and late Paleogene record of Himalayan orogeny and climate. The objectives are to investigate interactions among the growth of the Himalaya and Tibet, the development of the Asian monsoon, and processes affecting the carbon cycle and global climate.

DEADLINE FOR APPLICATIONS: 15 January 2014

DEADLINE FOR NOMINATIONS: 15 April 2014

30 Applicants; Germany: 4, Spain: 2, Italy: 1, Sweden: 2, Switzerland: 1, France: 14, UK: 5, Israel: 1

354 invitations (2 D, 2 F, 2 UK, 1 CH)

GALY, Albert (France)	Organic Geochemist
HUYGHE, Pascale (France)	Sedimentologist
WEBER, Michael (Germany)	Physical Properties
ADHIKARI, Rishi Ram (Germany)	Organic Geochemist
CASTELLTORT, Sebastian (Switz.)	Sedimentologist**
NAJMAN, Yani (UK)	Sedimentologist
FOX, Lyndsey (UK)	Foraminifer Micropaleontologist
LANTZSCH, Hendrik	Sedimentologist

**** Has withdrawn since the ESSAC meeting. Hendrik LANTZSCH (Germany) has been invited to replace him.**

354 Special Call for Biostratigraphers and Paleomagnetists. Deadline: 13 May

8 applications: 2 Germany, 2 Norway, 1 UK, 1 Italy, 1 France, 1 Israel

Candidate	Country	Expertise	Position
Anand, Pallavi	UK	Geochemist, planktonic foraminifera	Lecturer
Anthonissen, Erik	Norway	Biostratigrapher, planktonic foraminifera	Biostratigrapher (Principal Geologist)
Baranwal, Soma	Norway	Micropaleontology (foraminifera) and stable isotope biogeochemistry	Researcher
Dallanave, Edoardo	Germany	Paleomagnetist	Post-Doc
Ginsburg, Neta	Israel	Paleomagnetist	PhD student
Kischer, Uwe	Germany	Paleomagnetist	PhD student
Lanci, Luca	Italy	Paleomagnetist	Researcher
Meynadier, Laure	France	Paleomagnetist	Professor in Geosciences

Applicants invited are in orange. Since the ESSAC meeting, Anand has declined, but will sail on Exp. 353. Erik Anthonissen has been invited, but has not yet officially accepted.

JR Expedition 355: Arabian Sea Monsoon (CPP): 31 March - 31 May 2015 Singapore to Sri Lanka

Objectives: to understand the interaction between the Himalayas and Tibetan plateau uplift and the development and evolution of the Indian summer monsoon. Four sites in the eastern Arabian Sea will target sediments of the Indus submarine fan to better understand the co-evolution of mountain building, weathering and erosion, and climate across multiple time scales.

DEADLINE FOR APPLICATIONS: 8 MAY 2014

16 Valid Applications: Germany: 5, France: 2, UK: 6, Netherlands: 2, Italy: 1 (Turkey: 1)

CPP: Tentatively 4 ECORD scientists will be invited

RANKING IN PROGRESS

5-Star System

DEADLINES:

- National Delegates provide information 13 June 2014
- Delegate rankings to EASSAC 20 June 2014
- Nominations by Subcommittee 27 June 2014

JR Expedition 356: Indonesian Throughflow: 31 July - 30 September 2015 Fremantle to Darwin, Australia

Co-Chiefs: Dhananjai Pandey & Peter Clift

Objectives: drill a latitudinal transect on the northwest Australian shelf (1) to understand the controls on Quaternary extra-tropical carbonate and reef deposition, (2) to chart the variability of the Australian monsoon and onset of aridity in NW Australia over the last 5 Myr, and (3) to document the spatial and temporal subsidence patterns along the NW shelf to constrain the interaction between Australian plate motion and mantle convection and ground truth geodynamic models.

Only 10 Applications – limited range of expertise

Candidate	Country	Expertise	Position
Boomer, Ian	UK	Sedimentologist, Paleontologist (Foraminifer-Benthic)	Senior Research Fellow
Groeneveld, Jeroen	Germany	Inorganic Geochemist, Paleontologist (Foraminifer-Benthic), Paleontologist (Foraminifer-Planktonic)	Post-doc
Himmler, Tobias	Germany	Sedimentologist	Post-doc
Petrick, Benjamin	UK	Organic Geochemist, Sedimentologist	Post-doc
Renema, Willem	The Netherlands	Biologist, Stratigraphic Correlator	Researcher
Reuning, Lars	Germany	Sedimentologist	Senior Lecturer
Saavedra-Pellitero, Mariem	Germany	Paleontologist (Nannofossil)	Post-doc
Vautravers, Maryline	UK	Paleontologist (Foraminifer-Benthic), Paleontologist (Foraminifer-Planktonic)	Post-doc
PhD Students			
Auer, Gerald	Austria	Paleontologist (Nannofossil)	PhD student
De Vleeschouwer, David	Belgium	Physical Properties Specialist, Sedimentologist, Stratigraphic Correlator	PhD student

The deadline was extended until the 8th of June.

DEADLINES FOR RANKING EXP. 356:

- ESSAC sends out applications to rank: **12 June 2014**
- Delegates provide national information: **26 June**
- Delegate rankings to EASSAC: **9 July 2014**
- Nominations by Subcommittee: **18 July 2014**

G. Früh-Green informed about the Webinar.



Please add IODPNews@lists.oceanleadership.org to your personal address book to ensure delivery.

The International Ocean Discovery Program is currently accepting applications for Expedition 354 Bengal Fan aboard the *JOIDES Resolution*. To learn more about the scientific objectives of this expedition, life at sea, and how to apply to sail, please join us for a web-based seminar on **18 December 2013 at 4 PM EST**.

G. Früh-Green presented the Staffing Balance & Quotas – 2014 (stand June, 2014)

Member	Financial Contribution (\$US)	%	JR Berths per Exp assuming 8/Exp	Exp 349 S China Sea 2014		Exp 350 Rear Arc 2014		Exp 351 Arc Origins 2014		Exp 352 Forearc 2014		Co-chiefs	Quotas / Actual stand FY 2014				Exp 353 Indian Monsoon Rainfall 2015		Exp 354 Bengal Fan 2015		Co-chiefs
				Invited	Special Call	Invited	Special Call	Invited	Special Call	Invited	Special Call		Total Berths invited	Total Berths special calls	# berths entitled	Difference	Invited	Special Call	Invited	Special Call	
France	5,200,000	27.58	2.21	1		1				2			3		6.62	-3.62	3		2	1	1
Germany	5,600,000	29.70	2.38			3		1		3			7		7.13	-0.13	2		3		1
UK	4,080,000	21.64	1.73		2	1		4		2		1	7	2	5.19	1.81	2		2		
Sum	14,880,000	78.93	6.31	1		5	2	5		7		1	17	2	18.94	-1.94	7	0	7	2	2
Austria	100,000	0.53	0.04							1			0	1	0.13	-0.13					
Belgium	25,000	0.13	0.01										0	0	0.03	-0.03					
Canada	150,000	0.80	0.06										0	0	0.19	-0.19					
Denmark	170,000	0.90	0.07										0	0	0.22	-0.22					
Finland	80,000	0.42	0.03										0	0	0.10	-0.10					
Iceland*	30,000	0.16	0.01										0	0	0.04	-0.04					
Ireland	140,000	0.74	0.06							1			0	0	0.18	-0.18					
Israel	30,000	0.16	0.01										0	0	0.04	-0.04					
Italy	400,000	2.12	0.17					1					1	0	0.64	0.36		1			
Netherlands	500,000	2.65	0.21										1	0	1.40	-0.40			1		
Norway	1,100,000	5.83	0.47			1							0	1	0.11	-0.11				1	
Portugal	90,000	0.48	0.04					1					0	0	0.04	-0.04					
Poland	30,000	0.16	0.01										1	1	0.67	0.33	1				
Sweden	528,000	2.80	0.22			1	1						1	0	0.76	0.24					
Switzerland	600,000	3.18	0.25	1	1			1					1	0							
Sum	3,973,000	21.07	1.69	1	1	2	1	2	1	0	1	0	4	3	5.06	-1.06	1	1	1	0	0
TOTAL	18,853,000	100	8	2	1	7	3	7	1	7	1	1	21	5	24	-3.00	8	1	8	1	2

*ECORD member 2013-2014 only

Note: This table has been updated since the ESSAC meeting and represents the balance as of 30 June 2014.

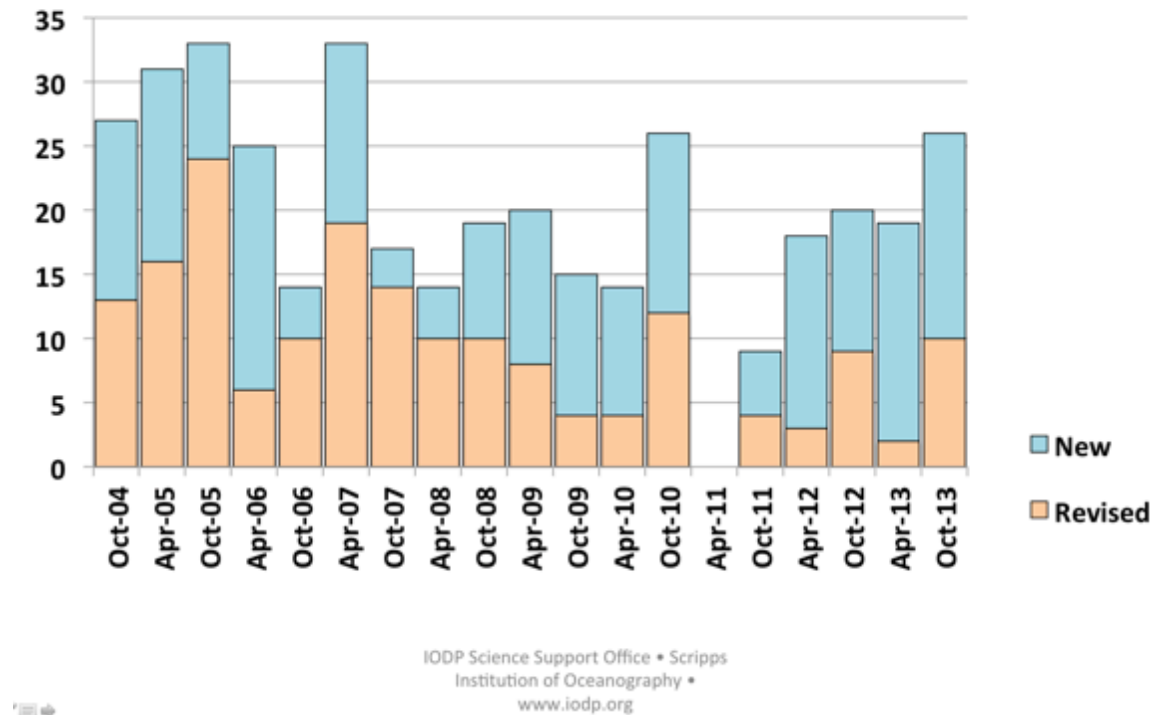
4.2 SEP update

G. Früh-Green gave an update about proposals at SEP.

Science Evaluation Panel (SEP) Report

- Slides provided by:
 - Dick Kroon (SEP Chair) from the JR Facility Board meeting, 23-24 April 2014
 - Holly Given, SSO report at ECORD FB, 5-6 March, Bremen
- First SEP meeting (new with PEP and SCP integrated in one panel)
 - Held 6-9 Jan 2014 at Scripps, USA
 - only plenary sessions
 - New: 2 Science watchdogs, 2 Site Survey watchdogs
 - Next meeting will have 5 watchdogs?
- Evaluated 17 revised proposals & 16 new proposals

Proposal Submissions



SEP evaluated a total of 33 proposals

- 17 Revised Proposals
 - 13 Full Proposals
 - 2 Addendum
 - 2 Ancillary Project Letters (APL)
- 16 New Proposals:
 - 8 Pre-Proposals
 - 2 Full Proposals
 - 5 APLs
 - 1 Complementary Project Proposal (CPP)

Decisions on Revised proposals submitted for Oct.1

2 Forwarded to FBs; 1 Fast-track review & FB; 3 Sent out for external review;
3 Holding bin; 5 Address site survey issues; 1 Revise; 1 Deactivate with strong encouragement to resubmit; 1 Reject

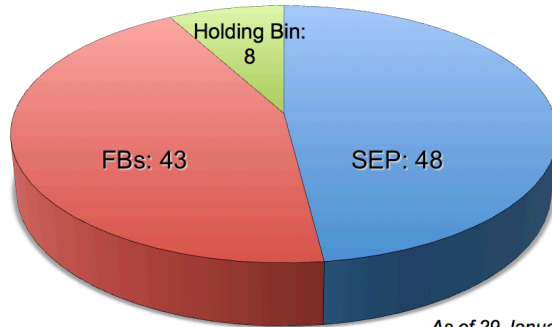
New ID	Short Title	PI	Stage	Ship	Theme	Destination
567-Full4	South Pacific Paleogene	Thomas	JRFB	NR	CO	addendum
696-Add	Izu-Bonin-Mariana Deep Forearc Crust	Pearce	JRFB	JR	EC	Update databank
702-Full2	Southern African Climates	Zahn	HB	JR	CO	Holding Bin
708-Full	Central Arctic Paleoceanography	Stein	SEP	MSP	CO	External review (now forwarded to ECORD FB)
751-Full2	West Antarctic Ice Sheet Climate	McKay	SEP	JR	CO	External review
781A-Full	Hikurangi: observatory	Saffer	JRFB	NR	EM	Address safety issues
781B-Full	Hikurangi: Riser	Wallace	SEP	Chikyu	EC	Forward to CIB-excellent
795-Add	Indian Monsoon Rainfall	Clemens	JRFB	NR	CO	Address site survey issues
799-Full2	Western Pacific Warm Pool	Rosenthal	SEP	JR	CO	External review
807-Full	Indonesian Throughflow	Gallagher	JRFB	NR	CO	Address site survey issues
811-Full	Cape Fear Slope Stability	Flemings	SEP	JR	EM	revise
813-Full	Antarctic paleoclimate	Williams	SEP	MSP	CO	Forward to ECORD-FB
819-APL2	Arabian Sea OMZ	Deo	SEP	JR	CO	Holding Bin
820-Full	Maldives monsoon	Betzler	SEP	JR	CO	External review
821-Full2	South-East Pacific Paleoceanography	Gersonde	SEP	JR	CO	Reject
823-Full2	Bengal Bay monsoon	Schwenk	SEP	JR	Co	Deactivate with strong endorsement
830-APL2	Scott Plateau Subseafloor Life	D'Hondt	SEP	JR	BF	Holding Bin

Decisions on New proposals submitted for Oct.1

1 Forwarded to FBs; 2 Sent out for external review; 6 Develop full proposal or APL;
1 Holding bin; 3 Revise; 1 Deactivate with strong encouragement to resubmit; 2
Reject

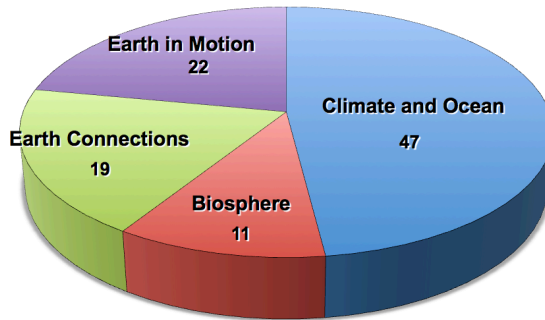
New ID	Short Title	PI	Stage	Ship	Theme	Destination
834-Pre	Agulhas-Transkei Transect	Uenzelmann-Neben	SEP	JR	EC	Develop Full proposal
835-pre	Japan Trench Tsunamigenesis	Kodaira	SEP	Chikyu	EM	Develop full proposal, forward to CIB
836-APL	Continental Margin Methane Cycling	Malinverno	SEP	JR	EM	Revise
837-Full	Sumatra Seismogenic Zone	McNeill	SEP	JR	EM	External review
838-CPP	SCS Lithosphere Thinning	Sun	SEP	JR	EC	Revise
839-Full	Amundsen Sea Ice Sheet history	Gohl	SEP	JR	CO	External review
840-Pre	Niger Transform Margin	Wagner	SEP	JR	CO	Develop full proposal
841-APL	Creeping Gas Hydrate Slides	Pecher	SEP	JR	EM	Revise
842-Pre	Madeira Abyssal Plain Hydrogeology	Harris	SEP	JR	EC	reject
843-Pre	Amazon margin drilling	Baker	SEP	JR	BF	Deactivate with strong endorsement from the panel
844-Pre	Comet Nucleus Material	Jaye	SEP	JR	EC	reject
845-APL	Agulhas LGM Density	Adkins	SEP	JR	CO	Forward to the JRFB
846-APL	Falkland water depth record	Peck	SEP	JR	CO	Develop an extended APL
847-Pre	Drake Passage paleoenvironment	Weber	SEP	JR	CO	Develop full proposal
848-Pre	Weddell Sea History	Weber	SEP	JR	CO	Develop full proposal
849-APL	Indian Peninsula Paleoclimate	Giosan	SEP	JR	CO	Holding bin

**Active proposal status: 99
by review stage**



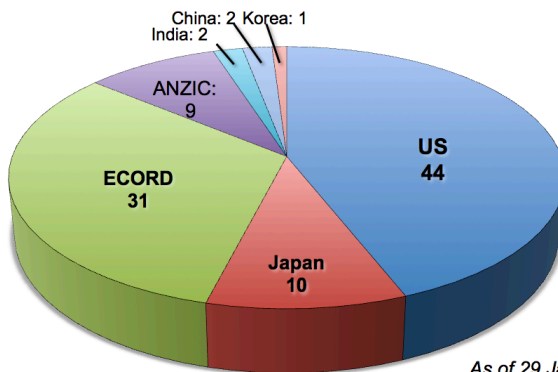
As of 29 January 2014

**Active proposals: 99
by science plan themes**



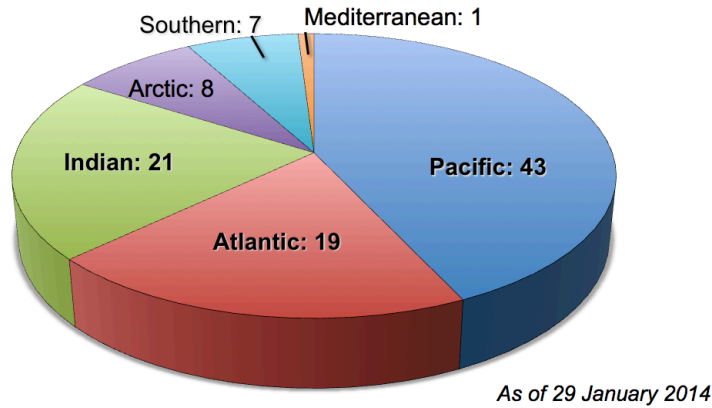
As of 29 January 2014

**Active proposal distribution: 99
by lead proponent's member affiliation**

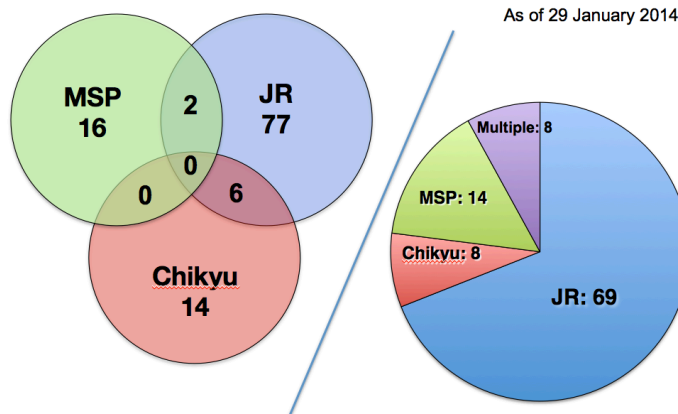


As of 29 January 2014

**Active proposal status: 99
by target ocean**



Drilling Platforms for 99 Active Proposals



5. Breakout Sessions

5.1 Introductions

Introductions were provided by G. Früh-Green to guide discussions.

1) The Staffing and Nominations Subcommittee:

Gretchen Früh-Green (ESSAC Chair, CH), Antje Voelker (lead discussions, P), Stefan Schouten as alternate for Lucas Lourens (NL), Dominique Weis (CDN), Georges Ceuleneer (F), Bridget Wade (UK), André Bornemann as alternate for Rüdiger Stein (D) Aarno Kotilainen (FIN), Julia Gutierrez Pastor (ESSAC Science Coordinator, CH), *Carlota Escutia Dotti (Vice-Chair)**.

**apologies*

General tasks:

- Suggest nominations of ECORD representatives on the Science Advisory panels, facility boards and other planning groups.
- Co-ordinate applications review all the applications and suggest nominations of shipboard participants.
- Review the quota of shipboard scientists between participating countries.
- Suggest co-chief nominations for IODP Expeditions.

2) The Education and Outreach Subcommittee:

Nicolas Waldmann (lead discussions; IS), Marit-Solveig Seidenkrantz (email discussion leader for scholarships, DK); David Hardy as alternate for Xavier Monteys (IRE), Gretchen Früh-Green (ESSAC Chair, CH), Julia Gutierrez Pastor (ESSAC Science Coordinator, CH), Bryndis Brandsdottir (ICE), Andrea Argnani (I), Helga. F. Kleiven (N), *Werner Piller (AU)**, Jorijntje Henderiks as alternate for Ian Snowball (S), *David van Rooij (B)**, Szymon Uscinowicz (POL).

**apologies*

General tasks:

- Develop educational opportunities/programs: e.g. Teacher's workshops, Summer Schools etc., especially for non-traditional audiences.
- Review Summer School proposals.
- Review applications and suggest recipients for ECORD scholarships.
- Provide new ideas regarding ways to raise funds for E&O activities.
- Advise on public outreach activities (societal relevance of IODP science).

Specific Topics for Discussion

1) The Staffing and Nominations Subcommittee:

- Issues with rankings
 - Need to send outcome of rankings to all delegates –Action Item
- Quotas - calculation basis??
- Guidelines for rankings?
 - Frequent sailors?
 - Students?
- How to distribute calls better?
- DPL discussion
- Rotations SEP - also need alternates and funding for these
- “Heads-up” about Co-chief nominations for 2016 JR expeditions

Issues with Applications, Nominations and Staffing

- Too many special calls
- Need a broad range of expertise in all disciplines in the pool of original applicants
 - Rarely enough experts in biostratigraphy, paleomagnetism, physical properties, pore-water chemistry
 - Few applications from microbiologists
 - High number of students with minimal qualifications
- Information distribution is greatly variable in different countries - How can we increase visibility to our science communities?
- How do we deal with CPPs when calculating balances and quotas - EMA suggests not counting them?
- We need updates on National Office contacts

Issues with Ranking Process

- Need national delegates to try to be more active. For example, provide information and evaluations of candidates prior to ranking - especially when there are many candidates from one country.
- Need higher degree of participation in ranking & evaluation process, not only with staffing but also summer schools and grants
 - Can we distribute the load?

- Involve alternates and National Office representatives?
- Recently, no ranking of Special Call applications. Is this acceptable?
- Do we need to change our ranking procedures? Is the 5-Star system agreeable to everyone, or shall we come up with official criteria for selection?
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- Need national delegates to try to be more active. For example, provide information and evaluations of candidates prior to ranking – especially when there are many candidates from one country.
- Need higher degree of participation in ranking & evaluation process, not only with staffing but also summer schools and grants
 - Can we distribute the load?
 - Involve alternates and National Office representatives?
- Leave it to the national delegates to decide the involvement of the alternates in the various task

The ESSAC delegates discussed that if there are applications from a country with negative quota, ESSAC should press the co-chiefs and operators to consider these applications. Also, the co-chiefs should give feed back to ESSAC after a special call.

G. Früh-Green appealed to the ESSAC delegates to be more diligent with supplying information and rankings for expeditions. It is important to get feedback and priorities from all countries so that there is a fair distribution of nominations for staffing. In addition, the number of people who supply rankings for the summer school scholarships and grants are extremely low. This can be improved. G. Früh-Green suggests that the delegates could involve their alternates when they are extremely busy to distribute the workload.

5.2 Breakout sessions: ESSAC Nominations and Staffing (lead: A. Völker)/ Education and Outreach Subcommittees (lead: M. Seidenkrantz)

The ESSAC Nomination and staffing Education and Outreach Subcommittees met for 60 minutes.

6. ECORD highlights: Páll Einarsson (University of Iceland, Reykjavík) – An overview of the geology and volcanism of Iceland

The invited speaker Páll Einarsson gave an overview of the geology and volcanism of Iceland.

7. ECORD Highlights: Christian France Lanord (CNRS, Nancy) – Himalaya from mountain to ocean

The invited speaker Christian France Lanord gave a talk entitled “Himalaya from mountain to ocean”.

8. Education and outreach

8.1 ECORD Summer Schools 2014 update (J. Gutiérrez-Pastor)

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

1. ECORD **Bremen** Summer School 2014 on Subseafloor Biosphere: Current Advances and Future Challenges (22 September-3 October, 2014)

www.marum.de/en/ECORD_Summer_Schools.html

Deadline to apply: 9 May, 2014

Registration Fee: 120 Euros

2. **Urbino** Summer School in Paleoclimatology 2014 (9-24 July, 2014)

www.urbinosp.it

Deadline for early registration: 15 April, 2014

Registration Fee: 600 Euros for students.

ECORD has funded 10.000 Euros per each Summer School.

8.2 ECORD Summer Schools 2015 update & selection (J. Gutiérrez-Pastor)

J. Gutierrez-Pastor presented the ECORD Summer Schools 2015 Call and applications.



**Open call to host an
ECORD Summer School
in 2015 at your institution**

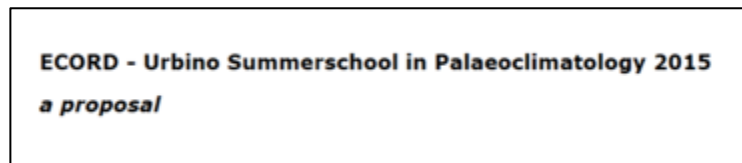
Deadline to apply: May 5th, 2014

ECORD counts with 20.000 Euros to fund Summer Schools.

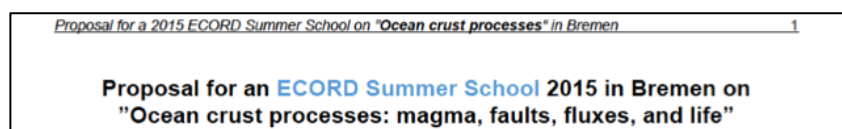
J. Gutierrez-Pastor showed the 4 applications:

Summer School	Contact Person	Amount Requested	email
Urbino Summer School	Simone Galeotti	20000	simone.galeotti@uniurb.it
Bremen Summer School	Dierk Hebbeln	12500	dhebbeln@marum.de
Bremen Training Course	Dierk Hebbeln	7500	dhebbeln@marum.de
Urbino International School on Foraminifera: Proposal	Michael A. Kaminski	5000	kaminski@kfupm.edu.sa

ECORD Urbino Summer School



ECORD Bremen Summer School



J. Gutierrez-Pastor gave more details of the new applications:

ECORD Bremen Training Course

- One week training course
- Virtual Drillship Experience
- Basic training for early career scientists with clear focus on the IODP core flow Experience
- Also for non-ECORD member countries
- Requested: 7.500 Euros

ISF Proposal, Urbino

- Three week course, June of each year
- Biostratigraphy of the Foraminifera
- Request support for students to attend the ISF course
- Training for students to carry out research that is relevant to IODP
- Requested: 5.000 Euros

8.3 ECORD Grants and Summer School Scholarships 2013-2014 (J. Gutiérrez-Pastor)

J. Gutierrez-Pastor gave a summary of the ECORD Scholarships and Grants 2014.

GRANTS

Extended Deadline May 14, 2014

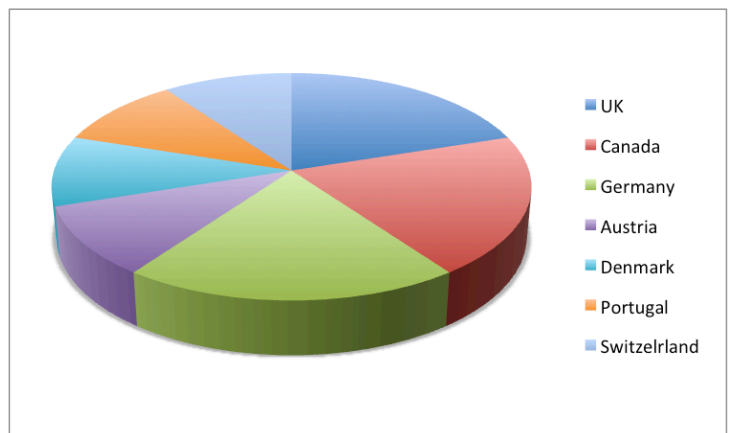
10 valid applications

6 Awarded Grants last year until 2000 euros

Requirements:

- ✓ Research Project related to DSDP/ODP/IODP
- ✓ ECORD applicants
- ✓ Early career
- ✓ Research in other than the applicant's home Inst.

10 applicants from 7 ECORD countries



UK	Canada	Germany	Austria	Denmark	Portugal	Switzerland
2	2	2	1	1	1	1

NAME	Country	Institution	C request	Recomm.
Cameron, Adele	UK	Open University	1368	Philip Sexton
Fox Lyndsey	UK	School of Earth and Environment, University of Leeds	2015	Bridget Wade
Garcia Gallardo, Angela	Austria	Karl-Franzens University of Graz.	1200	Werner Piller
Grant, Hannah	Germany	GEOMAR Helmholtz-Zentrum für Ozeanforschung/Kiel University CAU	min. 1000	Mark D. Hannington
Heggdal Velle, Julie	Canada	Institut des sciences de la mer de Rimouski (ISMER), Université du Québec à Rimouski (UQAR)	2013,66	Guillaume St-Onge
Marshall, Ian	Denmark	Center for Geomicrobiology, Institute for Bioscience, Aarhus University	1782	Bo Barker Jorgensen
Müller Juliane	Germany	Alfred Wegener Institute, Helmholtz Institute for Polar and Marine Research	2000	Ruediger Stein
Rui, Bao	Switzerland	ETH Zurich	2000	Timothy Eglinton
Sena, Clara	Portugal	CESAM – Centre for Environmental and Marine Studies, University of Aveiro	1999.52	Luis Menezes Pinheiro
Sun, Tianhaozhe	Canada	School of Earth and Ocean Sciences, University of Victoria	2500 US dollars	Kelin Wang

Although the requirements to apply are stated in the Grant Call, not all the applicants follow them...

Some applicants:

- Propose the research in the home Institution
- Request the Grant only to assist Congresses
- Request to reimburse a previous lab work....

SCHOLARSHIPS

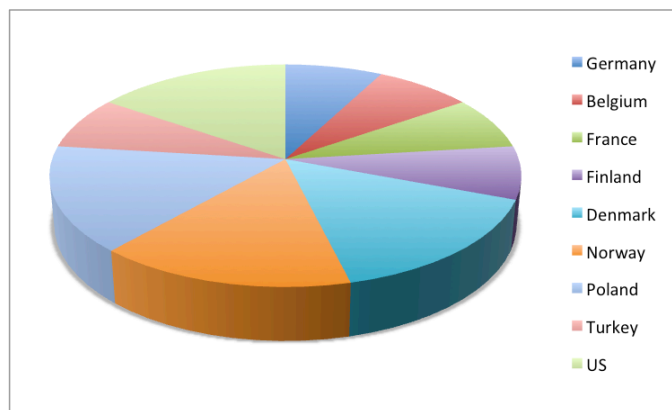


**APPLY FOR A
ECORD SCHOLARSHIP
to attend an ECORD SUMMER SCHOOL in 2014
DEADLINE April 2, 2014**

70 Applications

- ✓ 10 to 15 Scholarships
- ✓ Up to 1000 Euro
- ✓ For ECORD applicants and exceptionally for non ECORD applicants

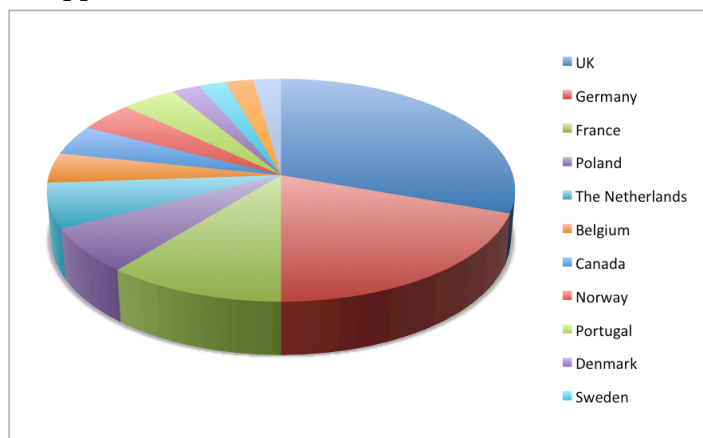
Bremen Scholarship Applications: 13



Germany	Belgium	France	Finland	Denmark	Norway	Poland	Turkey	US
1	1	1	1	2	2	2	1	2

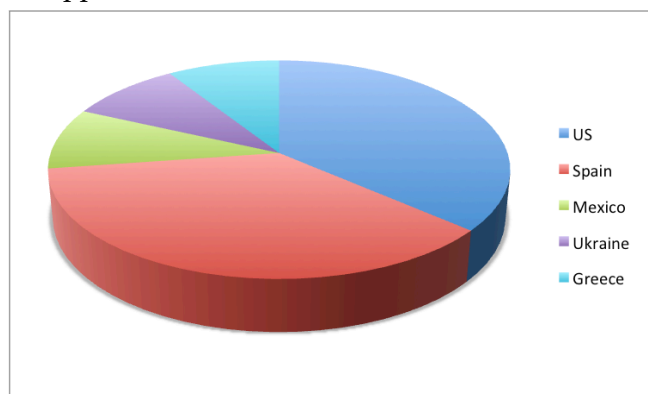
URBINO Scholarship Applications: 57

46 applications from 13 ECORD Countries



Country	Number of Applications
UK	14
Germany	9
France	5
Poland	3
The Netherlands	3
Belgium	2
Canada	2
Norway	2
Portugal	2
Denmark	1
Sweden	1
Switzerland	1
Austria	1

11 applications from 5 non ECORD Countries



Country	Number of Applications
US	4
Spain	4
Mexico	1
Ukraine	1
Greece	1

Bremen list of applications

ECORD Summer School: Bremen 2014				
Name	Country	Status	Institution	Recommendation letter
MASTER STUDENT				
Cording, Anja	Germany	Master student	Universität zu Köln	Ralf Hetzel
Demirel, Cansu	Turkey	Master student	Istanbul Technical University	Nurgul Balci
Dutrieux, Adeline	Belgium	Master student	University of Liège	Nathalie Fagel
PHD STUDENTS				
Hoffman, Colleen	US	PhD student	University of Minnesota-Twin Cities	Brandy Toner
Juassi, Marion	Denmark	PhD student	Center for Geomicrobiology, Aarhus University	Bo Barker Jørgensen
Rajala, Pauliina	Finland	PhD student	VTT Technical Research Centre of Finland	Malin Bomberg
Ramirez, Gustavo	US	PhD student	University of Southern California	Katrina Edwards
Roszkowska-Remin, Joanna	Poland	PhD student	University of Warsaw/Polish Geological Institute-National	Jerzy Nawrocki
Schneider, Andrea	Norway	PhD student	The Arctic University of Norway, Tromsø	Jochen Knies
Zhao, Rui	Norway	PhD student	Centre for Geobiology, University of Bergen	Steffen L. Jørgensen
POST-DOCTORAL				
Hilligsøe, Karen Marie	Denmark	Post-doctoral	Center for Geomicrobiology, Aarhus University	Bo Barker Jørgensen
Trias Mansilla, Rosalia	France	Post-doctoral	Institut de Physique du Globe de Paris	Méneez Bénédicte
Wojcik, Krystian	Poland	Post-doctoral	Polish Geological Institute – national Research Institute	Jerzy Nawrocki
<i>In blue applicants from NON ECORD Countries</i>				

A. Voelker, G. Früh-Green and the Summer School made the rankings.

4 top candidates marked in bold with grey background.

Urbino list of applications

Name	Country	Status	Institution	Recommendation letter
MASTER STUDENTS				
Auderset, Alexandra	Switzerland	Master student	ETH Zürich	Gerald Hang
Bista, Diksha	Canada	Master student	Dalhousie University, Halifax	Stephanie Kienast
Dennis, Kara Elizabeth	US	Master student	Syracuse University, New York	Christopher K. Junium
Livey, Caitlin	US	Master student	Penn State University, Pennsylvania	Tim Bralower
Monzon, Oscar	Mexico	Master student	University of Mexico	Francisco J. Vega
Schmidt, Katherine	Canada	Master student	University of Toronto	Jörg Bollmann
Sembeto, Zerihun	Germany	Master student	Bremen University/Association for the sciences of limnology & oceanography	Tim Jennerjahn
PHD STUDENTS				
Amberg, Chloé	France	PhD student	Université Lille1, Lambersart	Thijs R. A. Vandenbroucke
Bermejo, Mercé	Spain	PhD student	Facultat de Geologia. Universitat de Barcelona	Isabel Cacho
Brombacher, Anieke	UK	PhD student	National Oceanography Centre Southampton	Thomas Ezard
Charidemou, Miros	UK	PhD student	Cardiff University	Ian Hall
Cornuault, Marine	France	PhD student	Aix-Marseille University, CEREGE	Kazuyo Tachikawa
Dawson, Alex	UK	PhD student	Plymouth University	Stephen Grimes
Dinis Cavaleiro, Catarina	Portugal	PhD student	Portuguese Institute for the Ocean and Atmosphere - Lisbon/MARUM	Michal Kucera
Evans, Catherine	UK	PhD student	University of Bristol	Rich Pancost
Ezat, Mohamed	Norway	PhD student	The Arctic University of Norway, Tromsø	Tine L. Rasmussen
Flölter, Sebastian	Germany	PhD student	HOSST - Helmholtz Research School Ocean System Science and Technology	Marcus Gutjahr
Garcia Gallardo, Angela	Austria	PhD student	Karl-Franzens University of Graz	Werner Piller
Hartman, Julian	The Netherlands	PhD student	Utrecht University	Francesca Sangiorgi
Huang, Xiaoxia	Germany	PhD student	Alfred Wegener Institute, Bremerhaven	Karsten Gohl
Hülse, Dominik	UK	PhD student	University of Bristol	Sandra Arndt
Ibarra, Daniel	US	PhD student	Stanford University, California	C. Page Chamberlain
Jehle, Sofie	Germany	PhD student	University of Leipzig	André Bornemann
Jonas, Ann Sophie	Germany	PhD student	Institute of Geosciences, Christian-Albrechts, University of Kiel	Lorenz Schwark
Lianou, Vasiliki	Greece	PhD student	National and Kapodistrian University of Athens	Vasilios Karakitsios
Liasnyk, Tamara	Ukraine	PhD student	Taras Schevchenko National University of Kyiv	Natalia Gerasimenko
Mateos Jarrin, Ana Leticia	Spain	PhD student	University of Salamanca	M. Angeles Barcena
Mezger, Eveline	The Netherlands	PhD student	Royal Netherlands	Lennart de Nooijer
Mirzaioo, Maryam	Germany	PhD student	GEOMAR, Kiel	Dirk Nünberg
Morcillo Montalba, Laura	Spain	PhD student	Instituto Andaluz de Ciencias de la Tierra, Granada	Francisca Martinez Ruiz
Moura de Mello, Renata	US	PhD student	University of Massachusetts	Mark Lekie
Muschitiello, Francesco	Sweden	PhD student	Stockholm University	Barbara Wohlfarth
Nenning, Franziska	Germany	PhD student	University Muenster	Barbara Teichert
Niezgodzki, Igor	Poland	PhD student	Institute of Geological Sciences, Polish Academy of Sciences, Krakow	Jaroslaw Tyszka
Owen, Robert	UK	PhD student	University of Oxford	Gideon Henderson
Oliveira, Dulce	Portugal	PhD student	CIIMAR - Interdisciplinary Centre of Marine and Environmental Research	Maria Fernanda Sanchez Goñi
Percival, Lawrence	UK	PhD student	University of Oxford	Hugh Jenkyns
Pimbert, Anthony	France	PhD student	ISTerre laboratory, University of Grenoble Alpes	Alexandra Gourlan
Rhodes, Felicity	UK	PhD student	The Open University, UK	Anthony S. Cohen
Roszkowska-Remin, Joanna	Poland	PhD student	University of Warsaw/Polish Geological Institute-National Research Institute	Jerzy Nawrocki
Sheldon, Christina	Denmark	PhD student	Aarhus University	Marit-Solveig Seidenkrantz
Smith, Richard	UK	PhD student	National Oceanography Centre, University of Southampton	Paul A. Wilson
Storm, Marisa	UK	PhD student	University of Oxford	Stephen Hesselbo
Strother, Stephanie	UK	PhD student	Northumbria University, Newcastle	Ulrich Salzmann
Sweere, Tim	UK	PhD student	University of Oxford	Alex Dickson
Tessitore, Lorena	France	PhD student	UMR 8217 du CNRS: Géosystèmes, University of Lille, Villeneuve d'Ascq	Thijs Vandenbroucke
van der Schee, Marlie	Spain	PhD student	University of Salamanca	Francisco J. Siero
Van Dijk, Inge	The Netherlands	PhD student	Royal NIOZ, Niederlande	Lennart de Nooijer
van Peer, Tim	UK	PhD student	School of Ocean and Earth Science, University of Southampton,	Chuang Xuan
Vansteenberghe, Stef	Belgium	PhD student	National Oceanography Centre	Philippe Claeys
Vickers, Madeleine	UK	PhD student	Vrije Universiteit Brussel/Free University of Brussels	Gregory Price
Wengler, Marc	Germany	PhD student	Plymouth University, UK	Frank Lamy
Woelders, Lineke	Belgium	PhD student	Alfred-Wegener-Institute, Bremerhaven	Robert Speijer
Yu, Zhaojie	France	PhD student	KU Leuven	Christophe Colin
POST-DOCTORAL				
Da Costa Portillo Ramos, Rodrigo	Germany	Post-doctoral	MARUM/Bremen University	Cátia Fernandes Barbosa
Irvall, Nil	Norway	Post-doctoral	Uni Research and Bjerknes Centre for Climate Research, University of Oslo	Helga (Kikki) Flesche Kleiven
Wojcik, Krystian	Poland	Post-doctoral	Polish Geological Institute – national Research Institute	Jerzy Nawrocki
In blue applicants from NON ECORD Countries				

N. Waldmann, W. Piller and G. Früh-Green made the rankings.

14 top candidates marked in a different color.

For Discussion:

- Fund to non ECORD Countries (i.e., US has a support program)?
- Consider balance between Countries?
- For similar CVs/applications, Should we consider the stage in the early career?
- Other?

8.4 E&O Subcommittee report, discussion and future actions

N. Waldmann reported on the E&O subcommittee discussions and gave an overview of future actions.

Topics:

1. Selection of Grants, 15.000 Euros
2. Selection of Scholarships, 15.000 Euros
3. Selection of Summer School Proposals, 20.000 Euros

GRANTS SELECTION BY THE E&O SUBCOMMITTEE: Proposal

NAME	Country	C request
Cameron, Adele	UK	1368
Fox Lyndsey	UK	2015
Garcia Gallardo, Angela	Austria	1200
Müller Juliane	Germany	2000
Sena, Clara	Portugal	1999.52

Total: 8582.5

15000-8582.5 = 6417.5 left

Question: Increase budget for good Grant Proposals?

SCHOLARSHIP SELECTION BY THE E&O SUBCOMMITTEE: Proposal

N. Waldmann presented the discussed items one by one:

- More funds for Urbino than for Bremen: (more applications, registration fee more expensive) **OK**
- Fund to non ECORD Countries (i.e., US has a support program)?

Reformulating the call for the next year. **Discussion by email.**

- Consider balance between countries? (i.e. UK many good rankings vs others)

We should give scholarships to the good applicants, does not matter from which the country

- For similar CVs/applications, Should we consider the stage in the early career?

- 1) **What stage of early career (begin/end)**
- 2) **Participation in a past ECORD Summer School (y/n)**
- 3) **if yes, was the applicant previously funded (y/n)**

Create an internal database of all applicants since 2007 to get this information

- **Scholarships: 400 Euros for 4 top of Bremen and 960 Euros for 14 top of Urbino (see tables in item 8.3).**

OK

- Take out money from DLPs (3000 EUROS) and put it on the students support budget?

To be discussed in plenary

- Use the money left from the Grants to support scholarships? Or summer school?

To be discussed in plenary. Our suggestion is the leftover (ca. 6400)

SUMMER SCHOOL SELECTION BY THE E&O SUBCOMMITTEE: Proposal

- To fund the Urbino Summer School and the Bremen Summer School 2015 at the level of 10.000 Euros.

- To fund the ISF (International School of Foraminifera) Urbino:

- Basic science (biostratigraphy) relevant to IODP
- A 3 weeks course (rather than only a week). In depth training
- Allocation of funds (5000) from DLP and/or grants
- “ECORD” label branding

Proposing to suggest the **BREMEN training course** as for outreach (open also to non member countries specially to those interested to join ECORD)

- - One week is too short for in depth training

ESSAC Consensus 1405-03: ESSAC approves the funding of € 10,000 each for two ECORD Summer Schools in 2015: the ECORD Bremen Summer School 2015 “Ocean crust processes: magma, faults, fluxes, and life” and the ECORD-Urbino Summer School in Paleoclimatology 2015.

ESSAC CONSENSUS 1405-04: ESSAC approves 5 awards (applications with high quality) of ECORD Research Grants 2014, totalling € 8585: 2 UK, 1 Austria, 1 Germany and 1 Portugal. This will leave a total of 6415 in the 2014 ESSAC Budget.

> **ESSAC Action Item 1405-02:** The ESSAC office shall contact EMA to enquire about the possibility to carry over the unused portion of the ECORD Grant budget for other purposes.

ESSAC CONSENSUS 1405-05: ESSAC approves to use part of the remaining funds of ECORD Grants to fund an ECORD Summer School in 2015.

ESSAC CONSENSUS 1405-06: ESSAC shall contribute €5000 for student travel support to attend the International School of Foraminifera, Urbino in June 2015, pending approval by the ECORD Council.

ESSAC CONSENSUS 1405-07: ESSAC approves 18 awardees of ECORD Summer School Scholarships 2014: 14 awards of € 960/student for the Urbino Summer School in Paleoclimatology 2014 (6 UK, 2 France, 2 Germany, 1 Belgium, 1 Canada, 1 Poland, and 1 Portugal); and 4 awards of € 400/student for the ECORD Bremen Summer School 2014 “Subseafloor Biosphere: Current Advances and Future Challenges” (2 Denmark, 1 Finland, 1 Norway).

> **ESSAC Action Item 1405-03:** The ESSAC office shall communicate the outcome of scholarships and grants to applicants.

> **ESSAC Action Item 1405-04:** The ESSAC E&O Subcommittee shall reformulate the Call to apply for ECORD Scholarships to clarify what is meant by the acceptance of applications from non-ECORD members “under exceptional circumstances”. The discussion will be by email.

> **ESSAC Action Item 1405-05:** The ESSAC office shall include the stage of early career of each scholarship applicant when compiling the Excel file to rank.

> **ESSAC Action Item 1405-06:** The ESSAC office shall make an internal Scholarship database for ESSAC to compile all the names of students that have applied, participated in and have been awarded scholarships in previous years up

to the present (2007-present). This will facilitate the selection for future Scholarship applications.

> ESSAC Action Item 1405-07: The ESSAC E&O subcommittee shall establish criteria to rank the ECORD Scholarship and Grant applications and will present a clear proposal of selection with standardised guidelines after the Breakout session.

> ESSAC Action Item 1405-08: The ESSAC office will attempt to add an option in the “apply to sail” webform for applicants to select both full and shorebased modes.

8.5 Distinguished Lecturer Programme – selection of new lecturers

G. Früh-Green presented an update of the Distinguished Lecturer Programme 2013/2014 and the future lecturers that had been selected by the ESSAC delegates.

Call to apply for DLP 2014-2015, deadline 31 march 2014.

Applications:

STARS (Average)	NAME	COUNTRY	INSTITUTION	TENTATIVE LECTURE TITLE
CLIMATE AND OCEAN CHANGE				
	France-Lanord, Christian	France	Centre de Recherches Pétrographiques et Géochimiques, Nancy	Himalaya from mountain to ocean
	Naaf, David	UK	School of Chemistry, Cabot Institute, University of Bristol	Beyond the tip of the iceberg: Millennial-scale climate variability in the North Atlantic during the last 3.5 Myr
	Uenzelmann-Neben, Gabriele	Germany	Alfred-Wegener-Institut Helmholtz-Zentrum für Polar, Bremerhaven	Reconstructing palaeo-circulation: Reading sediment drifts with the aid of IODP information
EARTH CONNECTIONS				
	Morris, Antony	UK	Plymouth University, UK	What can magnetism tell us about oceanic tectonics? New insights from scientific drilling
	Schmincke, Hans-Ulrich	Germany	GEOMAR Helmholtz Institute of Marine Sciences, Kiel	No title provided. Research Interests: mantle-magmavolcano- atmosphere systems
BIOSPHERE FRONTIERS				
	Kallmeyer, Jens	Germany	Helmholtz Centre, GFZ German Research Centre for Geosciences, Postdam	What controls abundance and activity of life in subsurface sediments?
EARTH IN MOTION				
	Pickering, Kevin	UK	University College London	NanTroSEIZE: Science and Society
	Vannucchi, Paola	UK	Earth Sciences Department Royal Holloway, University of London	Understanding Megathrust Earthquakes through Ocean Drilling

Issues to consider

- Balance Women/Men
- Balance countries
- Balance of themes

N. Waldmann proposed to request from the DLP applicants a video showing the abilities to communicate IODP science to the audience. This would help to select them as possible DLP speakers and to the host Institutions to apply for their lectures.

ESSAC CONSENSUS 1405-08: ESSAC has selected the following people to be ECORD Distinguished Lecturers for the next 24 months (2014/2015): C. France-Lanord and G. Uenzelmann-Neben (Climate and Ocean Change); A. Morris (Earth Connections); J. Kallmeyer (Biosphere Frontiers); P. Vannucchi (Earth in Motion).

> **ESSAC Action Item 1405-09:** The ESSAC Office shall inform all DLP applicants of the status of their applications.

> **ESSAC Action Item 1405-10:** The ESSAC Office will issue a Call for institutions to host ECORD Distinguished Lecturers in 2014 and 2015.

> **ESSAC Action Item 1405-11:** The ESSAC Office will inform the lectures of their budget and responsibilities. In some cases, the ESSAC Office shall request revised lecture titles that more clearly reflect the link to ocean drilling. The ESSAC Office will provide guidelines for the lectures and introductory IODP / ECORD slides to be used as a mandatory part of the lectures. The ESSAC Office shall encourage the 2014/2015 Distinguished Lecturers to provide a short YouTube video summarising their presentation and to advertise the lectures on the ESSAC website.

ESSAC CONSENSUS 1405-09: For future DLP calls (post 2015), the candidates will be requested to provide a short abstract of the intended lecture and a short (3-5 minute) YouTube video that summarises what the candidates plan to present in their lectures.

> **ESSAC Action Item 1405-12:** The ESSAC office shall provide a draft version of the Call for Applications for future ECORD Distinguished Lecturers (post 2015), which will include the request to provide an abstract and a 3-5 minute YouTube video of the content of the planned lecture candidates as part of the application package. These videos should be made available to advertise the lectures on the ESSAC website.

8.6 Teachers at Sea (J. Gutiérrez-Pastor)

J. Gutierrez-Pastor talked about the current status of ECORD Teachers at Sea.

Lesley Allen (UK) is sailing in the Izu Bonin Rear Arc Expedition 350.

Markus Fingerle (Germany) will sail in the Izu Bonin Arc Origins Expedition 351.

Information known after this ESSAC meeting: he declined his application for the 351 Expedition. He will be reallocated to another one.

The ESSAC office has provided a questionnaire to L. Allen to get feed back of her educational activities during and after the expedition.

8.7 Changes to the ECORD/ESSAC websites (J. Gutiérrez-Pastor)

J. Gutierrez-Pastor presented the current changes and future new changes to the ECORD/ESSAC websites.

The ESSAC website is useful and easy to to find information but, sometimes it presents some difficulties for those that wish to apply for IODP Expeditions.

Problems in “Apply to sail”:

- If you have already applied for an expedition, it is difficult to update documents: CV, Publications....Documents should be uploaded in each expedition, not in the general profile
- Profile formatting: It should be homogeneous
- Fields of Expertise have to be simplified (i.e. too many micropaleontology specialties, few for petrologists)
- The pending/on hold status of applications is confusing for the applicants.
- Tutorial: needs to be updated. Tutorial for administrators in French!

M. S. Seidenkrantz asked to include in the “application to sail webform” a small box to click on it for shore-based applicants.

Conclusion: The structure of “the apply to sail” module of the ESSAC Website needs to be changed. It also needs changes in the configuration.

WE NEED HELP FROM A WEBSITE SPECIALIST

The ESSAC website support is in Nancy.

After some emails and Skype conversations with P. Maruejol, we are on the way to contract a person who will be in charge to make the structural modifications in the ESSAC website.

Hopefully next June:

Julia will be attending a website course in Nancy to guide the changes in the ESSAC website and learn new things.

J. Gutierrez-Pastor showed that there are two *Magellan websites*: ECORD and ESSAC Magellan sites.

We discussed in the past Outreach meeting in Bremen that we need just one Magellan Site.

Two sites can be confusing for people.

Also we need to change the format to show *IODP National Offices* in the ESSAC website.

9. Expeditions, Nominations and Staffing (2)

9.1 Updates on advisory panel members (also see item 4.2)

G. Früh-Green presented rotations on panels, replacements and gave an update of the applications received from past calls for replacements on SEP and EPSP.

Also G. Früh-Green showed the changes to Agenda in Point 9.

ECORD Representatives in IODP advisory panels		
Science-evaluation sub-group		
Adélie Delacour	France	adelie.delacour@univ-st-etienne.fr
Jörg Geldmacher	Germany	jgeldmacher@geomar.de
Verena Heuer	Germany	vheuer@uni-bremen.de
Dick Kroon (Chair)	UK	dick.kroon@ed.ac.uk
Lisa McNeill	UK	lcmn@noc.soton.ac.uk
Matt O'Regan	Sweden	matt.oregan@geo.su.se
Stuart Robinson	UK	stuart.robinson@ucl.ac.uk
Michael Strasser	Switzerland	michael.strasser@erdw.ethz.ch
Nabil Sultan	France	nabil.sultan@ifremer.fr
Site-survey sub-group		
Mads Huuse	UK	mads.huuse@manchester.ac.uk
Sebastian Krastel	Germany	skrastel@geomar.de
Serge Berné	France	serge.berne@univ-perp.fr
David C. Mosher	Canada	dmosher@rncan.gc.ca
G. Unzelmann-Neben	Germany	gabriele.uenzelmann-neben@awi.de
Environmental Protection and Safety Panel (EPSP)		
Martin Hovland	Norway	martin.hovland@ambio.no
Philippe Lapointe	France	philippe.lapointe@total.com
David Long	UK	dal@bgs.ac.uk
Dieter Strack	Germany	ddhstrack@aol.com

Need to issue new call as soon as PEP chairs decide on specialties required

ECORD Advisory Panel Members - Rotations

SEP (Science Evaluation Panel)				
Science Evaluation Subgroup:			Term	Expertise
Kroon	Dick	UK	Chair	Paleoceanography
Geldmacher	Jörg	Germany	Sept 12 - Dec 15	Igneous geochemistry, petrology, geodynamics
Heuer	Verena	Germany	Dec 12 - Dec 15	Biogeochemistry, organic geochemistry and deep biosphere
McNeill	Lisa	UK	Aug 12 - Dec 15	Tectonics, structure and geohazards
O'Regan	Matt	Sweden	May 13-Dec 15	Marine geology, paleoceanography
Robinson	Stuart	UK	May 12 - Dec 14	Paleoceanograph, sedimentary geochemistry
Strasser	Michael	Switzerland	Oct 11 - May 14	Sedimentology, geohazards
Delacour	Adelie	France	Oct 11 - May 14	Petrology and geochemistry
Sultan	Nabil	France	Oct 11- May 14	Submarine land slides and gas hydrates

*rotate off after June 2014 SEP meeting

ECORD Advisory Panel Members - Rotations

SEP (Science Evaluation Panel)				
Site Evaluation Subgroup:			Term	Expertise
Berné	Serge	France	Jun 14- Jan 17	Seismic stratigraphy and sedimentology
Huuse	Mads	UK	Sept 12 - Dec 15	Shallow fluid flow, hydrocarbons in shallow sediments, slope stability, erosion, sedimentation
Krastel	Sebastian	Germany	June 13 - Jan 16	Submarine hazards, slope stability and submarine mass wasting
Mosher	David C.	Canada	Sept 12 - Dec 15	Structural geology
Unzelmann-Neben	Gabi	Germany	Vice-chair since 2014	Reflection seismology, sedimentology, seismostratigraphy, sediment transport
Alternates				
Lericolais	Giles	France	Start 2014	Seismic processing and sequence stratigraphy

Need an Alternate Pool for the Advisory Panels

> **ESSAC Action Item 1405-13:** The ESSAC office shall issue a general call to replace members of SEP rotating off the panel after the June 2014 SEP meeting (2 F, 1 CH) after the SEP chairs have indicated the needed expertise and subpanel distributions.

ESSAC Action Item 1405-14: The ESSAC office will compile an official list of alternates for the IODP Advisory Panels and shall ask past members and those rotating off the advisory panels to be official alternates to SEP and EPSP.

> **ESSAC Action Item 1405-15:** The ESSAC Office is to inform the applicants for past Advisory Panel calls of the status of their applications.

9.2 Nomination and Staffing Subcommittee report, discussion and future actions

A. Voelker reported on the N&S subcommittee discussions and gave an overview of future actions. Also the following consensus were reached:

> **ESSAC Action Item 1405-16:** The ESSAC office shall revise the wording of the general Calls to sail to (1) highlight the general expertise that may be required for the expedition and to (2) indicate that the candidate is required to send a copy of the application packages to the National Offices or national delegates.

> **ESSAC Action Item 1405-17:** The ESSAC office shall revise the wording of the special Calls to Sail that have short deadlines and which request specific expertise. To avoid confusion, these calls shall be named "Special Calls", not emergency calls or urgent calls. The term "Urgent Call" shall refer to specific cases where a new member of the science party is required at very short notice, close to the sailing date.

> **ESSAC Action Item 1405-18:** The ESSAC office shall try to reduce the size of email attachments of all calls, so that one is more likely to open them (such as when using a smart phone).

> **ESSAC Action Item 1405-19:** When issuing Calls to Sail, the ESSAC office shall provide a short accompanying email text that is more informative and includes links to websites where more information is available.

ESSAC CONSENSUS 1405-10: ESSAC agrees to have the national delegates/offices provide information as to priorities of first-time applicants relative to "frequent sailors", which may often have the required expertise and experience need for the expedition.

> **ESSAC Action Item 1405-20:** The ESSAC office shall send the outcome of expedition rankings and nominations to all delegates, after discussion and decision by the subcommittee members.

> **ESSAC Action Item 1405-21:** The ESSAC office shall prepare a letter to be sent to all ECORD scientists invited to sail on an expedition to remind them of their obligations, such as: (1) to report all publication resulting from the expedition to the ESSAC Office and to their national delegate/office; and (2) present their results at international meetings, such as EGU.

> **ESSAC Action Item 1405-22:** ESSAC will not rank applications related to Special Calls; however, the ESSAC Office shall distribute the applications to the ESSAC delegates for comments prior to sending them to IODP.

> **ESSAC Action Item 1405-23:** The ESSAC Office will distribute initial lists of invitations to the N & S subcommittee for comments prior to informing the IODP Expedition Project Manager and Supervisor of Science Support (currently Adam Klaus)

ESSAC CONSENSUS 1405-11: In an effort to increase feedback and increase participation in the ranking process, ESSAC agrees that the national delegates can decide to involve alternates in the various tasks of ranking and nomination for expeditions, grants, scholarships, etc.

> **ESSAC Action Item 1405-24:** The ESSAC Office will distribute information to the national alternates on a regular basis.

> **ESSAC Action Item 1405-25:** To ensure fair consideration of student and early stage post-doc applications, the ESSAC Office will separate these from other researchers in the excel sheets provided to the ESSAC delegates for rankings.

> **ESSAC Action Item 1405-26:** The ESSAC Office shall include comment column(s) in the ranking tables to include intended research or comments on quality of candidate (sent by national delegate/office or from N & S discussions).

> **ESSAC Action Item 1405-27:** When discussing quotas at the ECORD Council level, the ESSAC Chair is to convey ESSAC's opinion that when looking at the quota balance at the end of a 3-5 year period, one should keep in mind that scientists move around and may undertake or finish their IODP-related research in a different country from which they applied or sailed. Thus, a country can benefit from scientists who move from one country to another.

9.3 Discussion of ESSAC vice-chair 2015-2016/ future chair 2016-2018

ESSAC Consensus Item 1405-12: ESSAC agrees to have D. Weis as interim ESSAC Vice-Chair.

10. Workshop and Conference Reports

10.1 Magellan Plus Programme updates

M. Seidenkrantz reported on the Magellan Plus Program.

Budget:

- > Workshops: 50,000 Euro in 2014
- > Travel support for ecord scientist to IODP workshops: 15,000 euro in 2014

Applications: workshops

- February 1 deadline:

- 4 workshop applications; 2 funded; 2 declined

- *"Advancing Subsurface Biosphere and Paleoclimate Research"* (Jan W. de Leeuw)

Sum granted: 15.000€

- *"Newfoundland Drilling for Climate Dynamics—Filling the Oligo-Miocene Gap in the North Atlantic"* (Oliver Friedrich)

Sum granted: 4.400€

Declined:

"Mantle, water and life: the ultramafic-hosted Rainbow hydrothermal field"

(Muriel Andreani)

"Workshop on future IODP drilling of the Chicxulub impact crater" (Joanna Morgan)

Workshop participation for ECORD scientists:

Two application granted:

JTRACK (Tracking Tsunamigenic Slips in the Japan Trench), May 15-17, 2014, in Tokyo, Japan. Initiated and partly funded by the Chikyu IODP Board (CIB). Applicant: Michael Strasser

Sum granted by MagellanPlus: €4,500 to support participation of 3 ECORD member country scientists (Kelin Wang (Canada) and Becky Cook and Paola Vannucchi (both UK).

IODP Drilling Proposals in the Brazilian Equatorial Margin (BEM), BRAZIL 4-6 FEBRUARY 2014,

Applicant: Paola Vanucchi

Sum granted by MagellanPlus: €2,500 to support participation of 5 ECORD member country scientists

Next call, deadline: **01. 07. 2014**

10.1.1 Possible future workshops related to Horizon 2020

B. Brandsdóttir and A. Stevensen led a discussion of possible ways to participate in producing digital maps of European waters as part of the Action Plan for Innovation in the “Blue Economy” as part of Horizon 2020.



EUROPEAN COMMISSION

PRESS RELEASE

Brussels, 8 May 2014

EU eyes oceans innovation as source of sustainable growth

Two thirds of our planet is covered by oceans and seas. If we manage them in a responsible manner, they can provide sources of food, medicine and energy while protecting ecosystems for generations to come. However, in order to make this possible, we need to know more about our seas and oceans. The Commission has therefore today presented an Action Plan for Innovation in the 'Blue Economy' to help use ocean resources sustainably and drive growth and jobs in Europe.

10.2 Reports on past and future workshops and conferences

P. Maruéjol reported on outreach activities at future workshops and conferences. Strategy for promoting ECORD was discussed at the last TF meeting in Bremen:

- Which meetings (general/specialised) do we attend?
- Exhibition booth should be combined with IODP and/or ICDP sessions or workshops,
- Adapt the display/resources to the corresponding audience.
- Use “Scientific Drilling IODP-ICDP” at ECORD-ICDP booths

Future activities (June 2014 - October 2015)

2014

Goldschmidt 2014, June 8-13, Sacramento, USA: ECORD/ESSAC sponsor a student program «Jumping on the Employment Express»

International Sedimentology Conference-ISC 2014, August 18-22, Geneva: IODP-ICDP booth + session

Italian Geological Society, Sept 10-12, Milan: ECORD support an IODP-Italia booth

GSA, Oct 19-22, Vancouver: IODP Canada booth

AGU 2014, Dec 15-19, San Francisco: IODP-ICDP at booth, townhall meeting (IODP-ICDP?), session?

2015

EGU 2015, April 12-17: IODP-ICDP booth, townhall meeting + thematic session?

Goldschmidt 2015, Aug. 16-21, Prague: IODP-ICDP booth + session?

3P Arctic 2015, Oct 15-19, St Petersburg: ECORD/IODP booth, session? ECORD-ILP involved.

2016

35th IGC, Aug 27 - Sept 4, Cape Town, South Africa: IODP-ICDP booth?

10.3 Joint IODP/ICDP session at the EGU 2014 in Vienna

G. Früh-Green reported about the past Joint IODP/ICDP session at the EGU 2014 in Vienna and future EGU.



Sessions CL6.8/GMPV55

EuroForum 2014: Major achievements and perspectives in scientific ocean and continental drilling (co-organized)

Convener: Gretchen Früh-Green

Co-Conveners: Carlota Escutia, Ursula Röhl, Ulrich Harms, Thomas Wiersberg, Rüdiger Stein

40 Abstracts were submitted

Ocean Drilling:	21
Continental Drilling:	18
Combined:	1

Highlights:

- Arne Richter Medal Lecture: Peter Bijl "The oceanographic and climatic evolution of the Paleogene Southern Ocean"
 - Thomas Andr en: The Baltic Sea IODP Expedition 347 "Baltic Sea Paleoenvironment" - preliminary results from the cruise
-
- Orals: Tuesday, 29 Apr, 08:30 -10:00, Room Y9
 - Tuesday, 29 Apr, 10:30 - 12:30, Room Y9
 - Posters: Display Time: Tuesday, 29 Apr, 08:00 - 19:30
 - Author in Attendance: Tuesday, 29 Apr, 17:30 - 19:00

G. Früh-Green questioned how to be organize the EGU session next year; same title?
She requested more support to organize the session from the Co-Conveners.

Future IODP/ECCORD meetings:

2014 ECORD & IODP meetings	
ESSAC 25th-28th May Keflavik, Iceland	Chikyu IODP Board 10th-11th July Yokohama, Japan
IODP Forum 27th-28th May Busan, South Korea	ECORD Executive & Vision Task Force 2nd September Zurich, Switzerland
SEP 23rd-26th June New Brunswick, NJ, USA	ECORD Outreach & Education Task Force 3rd-4th September Zurich, Switzerland
ECORD Industry Liaison Panel 11th-12th June Edinburgh, UK	Joint ESSAC & ECORD Council 7th-10th October Zurich, Switzerland

11. Review of consensus, motions and actions

G. Früh-Green asked permission to distribute the final list of consensus, motions and actions of the 2nd ESSAC meeting by email for discussion and approval (Annex 3).

12. Next meetings

12.1 ESSAC #3-ECORD Joint Meeting, Tuesday October 7- Friday October 10, 2014, Zürich (Fieldtrip: Wednesday, 8 Oct)

G. Früh-Green updated with the available information about the next ESSAC/ECORD meeting in Zurich (7-10 October, 2014).

12.2 ESSAC #4, May, 2015

Three different countries have offered to organize the meeting:

- UK (B. Wade as host)
- Canada (D. Weis as a Host)
- Sweden (J. Henderiks and I. Snowball as Hosts)

ESSAC Consensus Item 1405-13: ESSAC agrees to hold the May 2015 ESSAC meeting in one of the following three locations: UK, Canada or Sweden. Selection of the location will be made by email and Doodle Poll.

> **ESSAC Action Item 1405-28:** ESSAC Office shall set up a Doodle Poll to determine the dates and Location of the May 2015 ESSAC meeting.

13. Any other business

G. Früh-Green asked if there was any other business.

Annex 1

ESO Update to ESSAC, May 2014

After the successful completion of the offshore phase of IODP Expedition 347: Baltic Sea Paleoenvironment in November 2013, the Onshore Science Party (OSP) was held from 22 January-20 February 2014 at the IODP Bremen Core Repository at the Center for Marine Environmental Sciences (MARUM), University of Bremen. Further analytical laboratories were accessed at MARUM and the Department of Geosciences at the University of Bremen.

During the OSP, the cores were described in detail and the IODP minimum and some standard measurements were made. The ESO Bremen and EPC teams were instrumental in preparing the laboratories for IODP measurements and organising the logistics for the OSP. A pre-onshore measurement program was conducted by the EPC team from 25 November 2013 to 17 January 2014, when Natural Gamma Ray (MSCL-XYZ) and Thermal Conductivity measurements were taken. Further details of the OSP operation, the ESO staff who participated and initial scientific findings have been reported in ECORD Newsletter #22, and will shortly be reported in the IODP Expedition 347 Preliminary Report and the ECORD FY13 Annual Report.

With the Baltic Expedition now in its post-expedition research phase, ESO is turning towards implementing its next MSP expedition - IODP Expedition 357: Atlantis Massif. The objectives of this proposal can be met using a seabed drill deployed from a research vessel, and is expected to be considerably cheaper than a standard MSP expedition that normally requires contracting a drilling platform from the commercial sector. ESO has applied for the use of the NERC-operated research ship RRS James Cook for Oct/Nov 2015, and is currently awaiting approval. The Co-chief Scientists for this expedition are Gretchen Früh-Green (ETH Zurich, Switzerland) and Beth Orcutt (Bigelow Laboratory for Ocean Sciences, Maine, USA). A Project Management Team meeting has been arranged for 15 May at the BGS offices in Edinburgh. ESO operations staff, Co-chief Scientists and proponents will meet to discuss the expedition's science requirements and how they can be accommodated by using seafloor drills as the primary coring tool.

Related to Expedition 357, an Engineering Development budget was recently approved by ECORD to support the development of new downhole logging and fluid sampling tools for the British Geological Survey and MARUM seafloor drills. This new development work is now underway.

In parallel to planning for Expedition 357, ESO are scoping the MSP proposals recommended for scheduling by the Science Evaluation Panel (SEP) and residing with the ECORD Facility Board: P548 Chicxulub K-T Impact Crater, P581 Late Pleistocene Coralgall Banks, P637 New England Shelf Hydrogeology, P708 Central Arctic Paleoclimate (ACEX2), P716 Hawaiian Drowned Reefs and P813 Antarctic Cenozoic Paleoclimate. ESO will continue to scope these proposals, and work with the proponents to minimise the overall expedition costs.

Annex 2

Outreach Report from Agenda Book

The last meeting of the Task Force was held in Bremen (Germany) on February 4-5, 2014, and attended by A. Stevenson and A. Gerdes (ESO), G. Früh-Green and Julia Gutiérrez Pastor (ESSAC), M. Borissova, G. Camoin and P. Maruéjol (EMA), Thomas Wiersberg (ICDP) and Matthew Wright (Consortium for Ocean Leadership).

From December 2013 to May 2014 the following activities have been carried out:

- Contribution to the IODP-USIO booth at AGU 2013,
- Distribution of ECORD/IODP documents at MagellanPlus Workshops,
- Contribution to the first Teachers Workshop organised in France,
- Sponsoring a student workshop at Goldschmidt 2014,
- ECORD/IODP-ICDP activities at EGU 2014, Vienna, April 27- May2, 2014: joint ECORD-IODP-ICDP booth with logging demonstrations, and townhall meeting with highlights on IODP expeditions and ICDP projects
<http://www.ecord.org/pi/egu14.html>,
- ECORD publications - <http://www.ecord.org/pub/publications.html> and materials
 - ECORD Annual Report 2013, a 50-page document released mid March 2014
 - ECORD Newsletters: #21 - November 2013 and #22 - April 2014
 - ECORD folder and flyers have been updated,
 - A new core replica illustrating geohazards (Expedition 343 J-FAST) has been ordered.

We also started to discuss how to post science publications by ECORD scientists online.

Outreach activities/publications planned **from June to December 2014** are:

- Organisation of “Scientific Drilling IODP-ICDP” booths at ISC 2014, August 18-22, Geneva, Switzerland, and AGU 2014, December 9-13 in San Francisco,
- Supporting IODP-Italia at the Italian Geological Society in Milan (Sept 10-12, 2014)
- Preparing ECORD Newsletter #23 - late October 2014 with the following deadlines:
 - Call for contributions: late June - early July 2013
 - Authors' deadline: October 1, 2013
 - Date of release: late October-early November 2014

The **next ECORD Outreach and Education Task Force** meeting is scheduled on September 3-4, 2014 in Zurich, Switzerland.

ECORD online:

ECORD portal: <http://www.ecord.org>

ECORD News: http://www.ecord.org/RSS/news_ECORD.xml

Follow ECORD on twitter: http://www.twitter.com/ECORD_outreach

ESSAC facebook page: <https://www.facebook.com/essac.ecord>

Annex 3

LIST OF CONSENSUS, MOTIONS AND ACTIONS 2nd ESSAC MEETING Keflavick, 26-28 may, Iceland

1. INTRODUCTION

ESSAC CONSENSUS 1405-01: ESSAC approves the agenda of the 2nd ESSAC meeting on 26-28 May, in Keflavik, Iceland.

ESSAC CONSENSUS 1405-02: ESSAC approves the minutes of the 1st ESSAC meeting on 4-6 November in Haifa, Israel.

2. IODP Platform Operator NEWS

> **ESSAC Action Item 1405-01:** The ESSAC chair shall discuss with Gilbert Camoin possibilities for the ESSAC chair or liaison to act as an official voting alternate on the JR Facility Board (JRFB) in the case that the official EMA representative cannot attend the JRFB meetings and ECORD would be without a vote in the final decisions.

8. EDUCATION AND OUTREACH

ESSAC Consensus 1405-03: ESSAC approves the funding of € 10,000 each for two ECORD Summer Schools in 2015: the ECORD Bremen Summer School 2015 "Ocean crust processes: magma, faults, fluxes, and life" and the ECORD-Urbino Summer School in Paleoclimatology 2015.

ESSAC CONSENSUS 1405-04: ESSAC approves 5 awards (applications with high quality) of ECORD Research Grants 2014, totalling € 8585: 2 UK, 1 Austria, 1 Germany and 1 Portugal. This will leave a total of 6415 in the 2014 ESSAC Budget.

> **ESSAC Action Item 1405-02:** The ESSAC office shall contact EMA to enquire about the possibility to carry over the unused portion of the ECORD Grant budget for other purposes.

ESSAC CONSENSUS 1405-05: ESSAC approves to use part of the remaining funds of ECORD Grants to fund an ECORD Summer School in 2015.

ESSAC CONSENSUS 1405-06: ESSAC shall contribute €5000 for student travel support to attend the International School of Foraminifera, Urbino in June 2015, pending approval by the ECORD Council.

ESSAC CONSENSUS 1405-07: ESSAC approves 18 awardees of ECORD Summer School Scholarships 2014: 14 awards of € 960/student for the Urbino Summer School in Paleoclimatology 2014 (6 UK, 2 France, 2 Germany, 1 Belgium, 1 Canada, 1 Poland, and 1 Portugal); and 4 awards of € 400/student for the ECORD Bremen Summer School 2014 "Subseafloor Biosphere: Current Advances and Future Challenges" (2 Denmark, 1 Finland, 1 Norway).

> **ESSAC Action Item 1405-03:** The ESSAC office shall communicate the outcome of scholarships and grants to applicants.

> **ESSAC Action Item 1405-04:** The ESSAC E&O Subcommittee shall reformulate the Call to apply for ECORD Scholarships to clarify what is meant by the acceptance of applications from non-ECORD members "under exceptional circumstances". The discussion will be by email.

> **ESSAC Action Item 1405-05:** The ESSAC office shall include the stage of early career of each scholarship applicant when compiling the Excel file to rank.

> **ESSAC Action Item 1405-06:** The ESSAC office shall make an internal Scholarship database for ESSAC to compile all the names of students that have applied, participated in and have been awarded scholarships in previous years up to the present (2007-present). This will facilitate the selection for future Scholarship applications.

> **ESSAC Action Item 1405-07:** The ESSAC E&O subcommittee shall establish criteria to rank the ECORD Scholarship and Grant applications and will present a clear proposal of selection with standardised guidelines after the Breakout session.

> **ESSAC Action Item 1405-08:** The ESSAC office will attempt to add an option in the "apply to sail" webform for applicants to select both full and shorebased modes.

8.5 DISTINGUISHED LECTURER PROGRAMME

ESSAC CONSENSUS 1405-08: ESSAC has selected the following people to be ECORD Distinguished Lecturers for the next 24 months (2014/2015): C. France-Lanord and G. Uenzelmann-Neben (Climate and Ocean Change); A. Morris (Earth Connections); J. Kallmeyer (Biosphere Frontiers); P. Vannucchi (Earth in Motion).

> **ESSAC Action Item 1405-09:** The ESSAC Office shall inform all DLP applicants of the status of their applications.

> **ESSAC Action Item 1405-10:** The ESSAC Office will issue a Call for institutions to host ECORD Distinguished Lecturers in 2014 and 2015.

> **ESSAC Action Item 1405-11:** The ESSAC Office will inform the lectures of their budget and responsibilities. In some cases, the ESSAC Office shall request revised lecture titles that more clearly reflect the link to ocean drilling. The ESSAC Office will provide guidelines for the lectures and introductory IODP /

ECORD slides to be used as a mandatory part of the lectures. The ESSAC Office shall encourage the 2014/2015 Distinguished Lecturers to provide a short YouTube video summarising their presentation and to advertise the lectures on the ESSAC website.

ESSAC CONSENSUS 1405-09: For future DLP calls (post 2015), the candidates will be requested to provide a short abstract of the intended lecture and a short (3-5 minute) YouTube video that summarises what the candidates plan to present in their lectures.

> **ESSAC Action Item 1405-12:** The ESSAC office shall provide a draft version of the Call for Applications for future ECORD Distinguished Lecturers (post 2015), which will include the request to provide an abstract and a 3-5 minute YouTube video of the content of the planned lecture candidates as part of the application package. These videos should be made available to advertise the lectures on the ESSAC website.

9. NOMINATION AND STAFFING

> **ESSAC Action Item 1405-13:** The ESSAC office shall issue a general call to replace members of SEP rotating off the panel after the June 2014 SEP meeting (2 F, 1 CH) after the SEP chairs have indicated the needed expertise and subpanel distributions.

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> **ESSAC Action Item 1405-22:** ESSAC will not rank applications related to Special Calls; however, the ESSAC Office shall distribute the applications to the ESSAC delegates for comments prior to sending them to IODP.

> **ESSAC Action Item 1405-23:** The ESSAC Office will distribute initial lists of invitations to the N & S subcommittee for comments prior to informing the IODP Expedition Project Manager and Supervisor of Science Support (currently Adam Klaus)

ESSAC CONSENSUS 1405-11: In an effort to increase feedback and increase participation in the ranking process, ESSAC agrees that the national delegates can decide to involve alternates in the various tasks of ranking and nomination for expeditions, grants, scholarships, etc.

> **ESSAC Action Item 1405-24:** The ESSAC Office will distribute information to the national alternates on a regular basis.

> **ESSAC Action Item 1405-25:** To ensure fair consideration of student and early stage post-doc applications, the ESSAC Office will separate these from other researchers in the excel sheets provided to the ESSAC delegates for rankings.

> **ESSAC Action Item 1405-26:** The ESSAC Office shall include comment column(s) in the ranking tables to include intended research or comments on quality of candidate (sent by national delegate/office or from N & S discussions).

> **ESSAC Action Item 1405-27:** When discussing quotas at the ECORD Council level, the ESSAC Chair is to convey ESSAC’s opinion that when looking at the quota balance at the end of a 3-5 year period, one should keep in mind that scientists move around and may undertake or finish their IODP-related research in a different country from which they applied or sailed. Thus, a country can benefit from scientists who move from one country to another.

ESSAC Consensus Item 1405-12: ESSAC agrees to have D. Weis as interim ESSAC Vice-Chair.

12. NEXT ESSAC MEETING

ESSAC Consensus Item 1405-13: ESSAC agrees to hold the May 2015 ESSAC meeting in one of the following three locations: UK, Canada or Sweden. Selection of the location will be made by email and Doodle Poll.

> **ESSAC Action Item 1405-28:** ESSAC Office shall set up a Doodle Poll to determine the dates and Location of the May 2015 ESSAC meeting.