

16TH ESSAC MEETING
ECORD Science Support & Advisory Committee
ESSAC
MINUTES
May 11-13, 2010
Leuven, Belgium



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List of Participants

ESSAC Office

Ruediger Stein (Chair) ESSAC Delegate Germany
Jeannette Lezius ESSAC Science Coordinator

ESSAC Representatives

Eve Arnold ESSAC Alternate Sweden
Serge Berné ESSAC Delegate France
Carlota Escutia (Vice-Chair) ESSAC Delegate Spain
Anneleen Foubert (meeting host) ESSAC Alternate Belgium
Gretchen Früh-Green ESSAC Delegate Switzerland
David Hardy ESSAC Alternate Ireland
Rachael James ESSAC Delegate UK
Annakaisa Korja ESSAC Alternate Finland
Lucas Lourens ESSAC Delegate Netherlands
Marit Solveig Seidenkrantz ESSAC Delegate Denmark
Antje Voelker ESSAC Delegate Portugal
Michael Wagreich ESSAC Alternate Austria
Dominique Weis ESSAC representative Canada, ECORD Distinguished Lecturer
Paola Vannucci ESSAC representative Italy, CRISP co-cief

Observers/Guests

Jochen Erbacher ESF Magellan Workshops
Georges Ceuleneer IODP-France, ESSAC Alternate France
Patricia Maruéjol EMA
Catherine Mével EMA

Apologies

Neil Banerjee ESSAC Delegate Canada
Elisabetta Erba ESSAC Delegate Italy
Helga Kleiven ESSAC Alternate Norway
Nalan Koç ESSAC Delegate Norway
Dave McInroy ESO
Xavier Monteys ESSAC Delegate Ireland
Alan Stevenson ESO
Werner Piller ESSAC Delegate Austria
Ian Snowball ESSAC Delegate Sweden
Rudy Swennen ESSAC Delegate Belgium
Uli Wortmann ESSAC Alternate Canada
Bryndís Brandsdóttir ESSAC Delegate Iceland

1. Introduction

1.1 Call to order, introductions

R. Stein welcomed all ESSAC delegates, observers and guests to the 16th ESSAC Meeting in Leuven. He thanked A. Foubert for the organization and logistics of the meeting and the fieldtrip.

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

1.2 Welcome and meeting logistics

A. Foubert gave an overview about the general logistics and the organisation of the field trip.

1.3 Discussion and approval of the Agenda

R. Stein called the ESSAC delegates attentions to a change in the agenda:

C. Mével will give the ESO report.

Information about the SAS panels (Agenda point 6.2) will be presented during the first day before the breakout session.

R. Stein highlighted on the presentation of P. Vanucci about CRISP.

R. Stein asked A. Voelker about questions and feedback requests for the port call of Expedition 339 - Mediterranean Outflow.

R. Stein pointed on the request for numbers of copies of the New Science Plan. A list has to be filled out during the meeting.

R. Stein asked the ESSAC delegates, if they wished to add any other item on the agenda. The ESSAC delegates denied and approved the agenda.

ESSAC Consensus 1105-01: ESSAC approves the Agenda of its 16th meeting on May 11-13, 2011 at the Grand Beguinage, Leuven, Belgium.

1.4 Items since the 15th ESSAC Meeting/ESSAC Office news

R. Stein summarised the undertakings and the action items that the ESSAC Office had done and fulfilled during the reporting period from November 2010 to May 2011.

Part of the undertakings (and the fulfilment of the related action items) are centralised in the respective thematic themes, and the respective lecturers give details).

> **ESSAC Action Item 1010-01:** ESSAC Office will send out a summarizing email regarding requested dates for statistical information. ***done***

> **ESSAC Action Item 1010-02:** ESSAC Office will ask Bremen Core Repository for a list of shore-based scientists. ***done***

> **ESSAC Action Item 1010-03:** ESSAC delegates will collect dates about published IODP-related papers (+ dissertations) of all their scientists and send the data to the ESSAC Office by deadline December 22. ***done***

> **ESSAC Action Item 1010-04:** ESSAC Office will send out a request for nomination for co-chiefs for expedition 338 - NanTro SEIZE 2/2. ***done***

> **ESSAC Action Item 1010-05:** ESSAC Office will create a form for a standardized questionnaire about Summer Schools. done

> **ESSAC Action Item 1010-06:** ESSAC Office will ask organizers of ECORD Summer Schools for statistical information about their Summer Schools. done

> **ESSAC Action Item 1010-07:** ESSAC Office will contact Ocean Leadership to ask for requests they have to participants of School of Rock. done

> **ESSAC Action Item 1010-08:** ESSAC Office will contact Lesie Peart/Ocean Leadership to ask about guidelines teachers of School of Rock are provided with before the cruise. If not available, ESSAC Office will create a draft form for guidelines for ECORD teachers on JOIDES Resolution. done

> **ESSAC Action Item 1010-09:** ESSAC Office will contact Jean-Luc Berengue if he is willing to organize and keep contact between all ECORD “rockers”/ former and future participants of School of Rock. done

> **further ESSAC Action Item:** Calls has been issued for Expedition 337 - Deep coalbed biosphere off Shimokita (deadline November 30,2010), Expedition 338 - NanTroSEIZE Plate Boundary Deep Riser - 2 (deadline December 31, 2010), Expedition 339 - Mediterranean Outflow (deadline January 03, 2011), Expedition 340 - Lesser Antilles Volcanism and Landslides (deadline May 01, 2011) and Expedition 341 - Alaska Tectonics Climate and Sedimentation (deadline May 01, 2011).

Requests has been sent out for nominations of co-chief candidates of the following proposals: 595-Full4 (Indus Fan; PI: Peter Clift), 697-Full3 (Izu-Bonin-Mariana Reararc Crust; PI: Yoshihiko Tamura), 672-Full3 (Baltic Sea; PI: Thomas Andrén), 758-Full2 (Atlantis Massif; PI: Gretchen Früh-Green) and 689-Full IBM Middle Crust.

A call for scholarships for the workshop “Engaging early career scientists in future scientific ocean drilling” has been issued (deadline January 13, 2011). A call for scholarships to attend an ECORD Summer School had been issued (deadline March 25, 2011). A call for ECORD Research Grants had been issued (Deadline March 25, 2011).

R. Stein also added some information about the ESSAC budget FY 2009/2010/2011/2012. He asked whether ESSAC should support travelling for e.g. post-cruise meetings. He explained, that there had been no problems with this in the past. But during the last months the ESSAC Office received at least four requests about this topic. C. Mével mentioned, that this issue has to be discussed at the ECORD Council. Change has to come from ECORD Council and not from ESSAC. R. Stein agreed but mentioned, that it would be good to add an ESSAC opinion /scientific point. C. Escutia agreed, that many countries do not have the money to support this, but the problem is that these countries are in the same situation and if money will be available from ESSAC/ECORD, it will be hard to handle “what is the exceptional case”. In Spain, individuals have to propose to the funding agencies. M.-S. Seidenkrantz supported this as it will be hopeless for ESSAC, because everyone will ask for money and it will be hard to decide the “exceptional case”. She mentioned that a scientist in Denmark should have a funding over all, if not, the scientist is also not able to pay post-cruise work.

R. Stein and C. Mével discussed the “Norwegian case”: Norway is not able/willing to pay expenses for SAS panel meetings of Norwegian scientists, since these persons represent ECORD and not Norway.

2. IODP News

2.1 Lead Agencies and Implementing Organizations

C. Mével gave a report about SASEC, IWG+, Lead Agencies.

SASEC report

Meeting held in Miami, January 2011
ECORD reps : Jan De Leeuw, Damon Teagle

Most of the discussions concerned the renewal of the programme

- **New Science Plan**

Decision to add a “box” on resources

Decision to revise the education and outreach section

- **New SAS**

The general principles of the SAS have been approved by IWG+

The ToR of the panels developed by SASEC+IODP-Mi were presented

SASEC Motion 1101-10: SASEC approves in principle the draft Terms of Reference as prepared by the SASEC SAS Terms of Reference subcommittee and forwards them to the IWG+.

SASEC consensus 1101-11: The current IODP Memorandum specifies that the SAS Executive Authority Chair should initially rotate between US and Japan. SASEC suggests to IWG+ that the first SIPCOM chair during the FY2012-2013 transitional period should be from long-term contributing IODP member ECORD.

Problem with engineering development

- EDP disbanded, no plan to maintain an engineering development panel

- NSF is willing to address engineering development at the IO level. However, some people, including ESO, insist that engineering development should be considered with an integrated approach, even though some tools are unique to certain platforms

SASEC Consensus 1101-13: SASEC forms a subcommittee to assess structural models in the post-2013 IODP for (a) advising on engineering development and industry-IODP technology transfer, and (b) ensuring adequate long-term engineering advice to the new SAS. The subcommittee should consult with the IODP agencies, CMO, and IO's and provide its report at the June 2011 SASEC meeting. Subcommittee members include Keir Becker, Shoji Arai, Damon Teagle, and Susan Humphris.

First call for proposals will be out this spring, with an Oct 1st deadline

SASEC Consensus 1101-15: SASEC nominates Gabe Filippelli (Chair), Jan De Leeuw, Chris Yeats and one of SSEP co-chairs as members of a subcommittee to work with IODP-MI to develop proposal guidelines prior to the next Call for Proposal.

Workshops

The next phase of IODP will rely more on community workshops to develop proposals

Call for workshop proposals launched by IODMI last fall

4 proposals received

Very different in objectives and format

- Indian ocean drilling

- Continental transform boundaries (Marmara sea)

- Slow slip events

- GOLD

SASEC Consensus 1101-16: SASEC has reviewed four workshop proposals (No. 5, Indian Ocean Drilling, No. 3, Continental Transform Boundaries, No. 4, Slow Slip Events, and No. 6, Gulf of Lion Drilling) and recommends funding for the first three and resubmission of a revised proposal based on the recently held workshop of the Gulf of Lion community. SASEC strongly suggests urgent development of a guideline for workshop proposals.

Next SASEC meeting, June 2011, Amsterdam

C. Mével mentioned, that more info about the GOLD workshop is needed; she asked for more information, because there has been a GOLD workshop funded by Magellan already. R. Stein was disappointed with the Indian Ocean Workshop, because the Indian Ocean proposals already had been ranked high. C. Mével added that people need to be engaged to think about new projects, but workshops are all different and one do not know what to expect. G. Frueh-Green added, that it seems to her that it's more like the Magellan idea. R. Stein asked if there is a subcommittee putting together the guidelines about this? C. Mével did not know, but supported that this has to be done.

International Working Group+ UPDATE

Last meeting, Miami, January 2011

ECORD represented by C. Mével, M. Perrin, G. Lüniger, Mike Webb, Anne De Vernal, Fernando Barriga

<http://www.iodp.org/International-Working-Group-Plus/>

IWG+ is developing a list of "points of agreement" that will be the basis for the new MoU among the program partners

Position paper 1: Multinational Program Architecture and Financial Contribution

Position paper 2: Program Management and Money Flow

Position paper 3: SAS Structure

Position paper 4: Transition Plan

Most decisions have been made

Multinational Program Architecture and Financial Contribution (position paper 1)

- The POC/SOC distinction will be abolished.
- Platform Providers will cover all costs associated with operating their platforms. Money for integrative activities will go to CMO.

- Commingled funds will be maintained.

- Comingled funds will need to pay for integrative activities plus a minimum of \$10M to secure riser operations of Chikyu for the new program.

- 3 categories

Lead Agencies (> US\$ 50 M, including 1 M to the commingled funds)

Platform Providers (> US\$ 20 M, including 6 M to the commingled funds)

Members (> US\$1 M)

- Rights: if the current funding structure remains

1/3 to each of the Lead Agencies, 1/3 to others

(berths, panel participation)

8 berths secured for a platform provider (total number of berths may be slightly expanded)

Program Management and Money Flow (position paper 2)

- IODP-MI will continue as CMO through the transition to the new program

NSF will remain the banker during that period

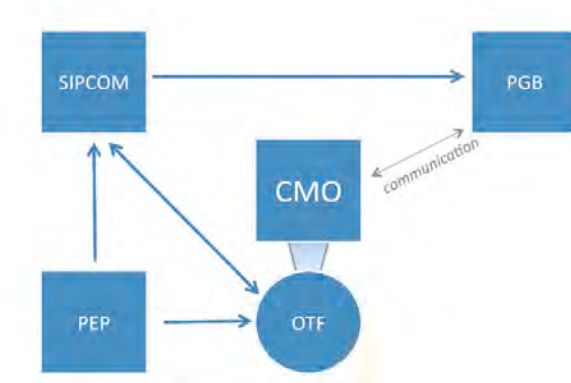
Cooperative agreement between NSF to be signed for 5 years with IODP-MI

After that period, CMO will be open for competition

- The CMO will continue to conduct the following integrative activities: (1) core activities: planning (including support of the SAS), core sample curation, data management, publication and outreach; (2) other activities: recruitment of new members, linkages to other programs, seeking new partnership, engineering development

- The program will be managed by a **Program Governing Board (PGB)**.
The PGB will be the executive body of the new program management structure.
The PGB will be responsible for the effective delivery of the Program's Implementation Plan with the available resources. Members of the PGB will be the LAs and the other funding agencies.
The PGB also will have liaisons from the two major science committees (PEP and SIPCOM), the Implementing Organizations (IO) and the CMO.
The PGB will replace the current IODP council

Development of the annual science plan



SAS structure and transition plan (position papers 3 and 4)

IWG+ endorsed the recommendations of the “Triennium Review Committee”

<http://www.iodp.org/triennium-review/>

- New program architecture will be considerably simpler than present.
- The current three-tier system of SSEP, SPC and SASEC will be simplified into a two-tier system (PEP and SIPCOM) with essential service panels. SIPCOM, in coordination with the CMO, is to report directly to the PGB.
The details of the SAS and the ToRs of the SAS panels are being finalized by IODP-MI and SASEC

New Science Advisory Structure will be set up this fall

The current SAS will be progressively phased out

<http://www.iodp.org/New program 2013-2023>

New SAS structure, draft Terms of reference for the new panels

Call for applications for the PEP and SIPCOM chairs

http://www.ecord.org/vac/IODP_NewSAS-positions.pdf

Deadline May 6th

The current SPC decided which proposals should be forwarded to the new SAS

Scientific merit, adequacy with the new science plan, feasibility

Next call for proposals this spring, deadline October 1st

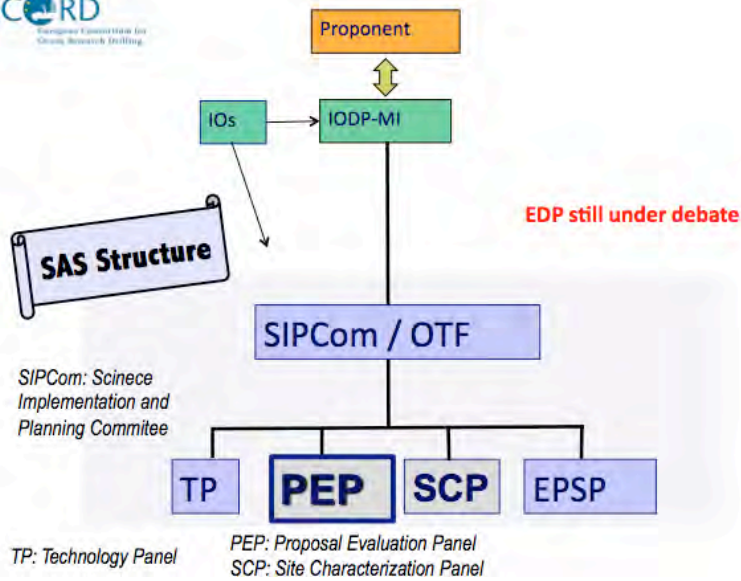


Table provided by HCL

Population of SAS	NEW SAS						TOTAL; observers excluded
	SIPCOM	PEP	TP	SCP	EPSP	EDP ?	
USA	5	10	5	5	7	0	32
JAPAN	5	10	5	5	7	0	32
ECORD	3	8	4	4	4	0	23
Associate Members	1	0	0	0	0	0	1
PEP chair	1	0	0	0	0	0	1
ANZIC	0	1	1	1	0	0	3
KOREA	0	1	1	1			3
CHINA	0	1	1	1			3
INDIA	0	1	1	1		0	3
TOTAL	15	32	18	18	18	0	101

Timeline for the renewal process

- Points of agreement more or less finalized
- MoU discussion will start at the next IWG+ meeting
- The science plan will be finalized by May 2011
- Evaluation at the country/consortium level is in progress
- Letters of intent to participate in the new phase are requested for May 2012
- MoUs to be signed in 2012
- First call for proposal this spring, deadline October 1st
- New SAS emplaced, current SAS phased out

First PEP meeting scheduled next October
First SIPCOM meeting planned in January

Next IWG+ meeting
June 16-17, 2011, Amsterdam

C. Mével talked about the postponement of Exp. 341 due to the weather window. She explained that there will be e.g. no Indian Ocean Expedition. She pointed out, that ESSAC should give a clear statement from scientific point of view.
P. Vanucci mentioned that she was asked to prepare an addendum proposal to finish CRISP until June.

A. Korja asked about the reason for 10 million \$ to the Japanese side since other countries support with their platforms as well. C. Mével explained that JR is not getting 10 Million \$ either; but Chikyu is more expensive and so it has been asked for it. C. Mével added that ECORD wanted to know what they plan with Chikyu since it is just running on non-riser mode. However ECORD is willing to fund Chikyu, but not with giving 10 million \$ “blindly” every year. This is however not backed by NSF... J. Erbacher asked if it is possible to restrict funding costs in the case that there will be only non-riser drilling.

Lead Agencies

- Chikyu in dry dock in Yokohama

Evaluation of the damage and repairs of the hull

Changing the azimuth thruster will require a year ((time needed to fabricate & deliver a new one)

Five thruster operation simulation and modification of DP operation software are now underway.

Impact of the tsunami on the Chikyu budget unknown

- Budget crisis at NSF

Problem of internal priority at NSF

Letter sent to the US community by the USIO (Dave Divins)

South Alaska margin postponed

May affect the schedule for F13 as well (minimize transit)

Worrying for the next phase

NSF is receiving letters of support

ECORD Council will send one

New Science Plan

- INVEST, Sept 2009

- SPWC appointed by IWG+ on SASEC recommendation, fall 2009

- First draft submitted to SASEC/IODP-MI, June 2010

- Posted on the IODP website for comments, Sept 2010

- Science editor appointed

- SPWC disbanded in October 2010

- Second draft submitted to SASEC/IWG+ January 2011

- Third draft, Feb 2011, open to comments from the community

- Responses by the end of March 2011

- Meeting of HCL, science writer, Maureen,, to consider all comments

Washington DC, early April

- Final draft will be ready (pdf format) May 16th

- Printing

- Launching event at the IWG+ meeting, Amsterdam (June 16th?)

Being discussed

4 themes

CLIMATE AND OCEAN CHANGE Past for the Future

BIOSPHERE FRONTIERS “Deep Life” and Evolution

EARTH CONNECTIONS Whole Earth

EARTH IN MOTION Human Time Scales

How many copies required by the national office from ECORD member countries?

For distribution to the science community

The plan will also be available in electronic format

C. Escutia wanted to know if the original writing group was involved in the October meeting (blue ribbon group)? She also asked if they are producing a short version at the same time? C. Mével approved this. R. Stein asked if it would be possible to change the front page? C. Mével and P. Maruéjol explained that they already passed this request but do not know if a change of the front page will happen.

2.3 Science Steering Evaluation Panel – SSEP

R. Stein reported about the 15th Meeting of the Science Steering and Evaluation Panel (SSEP), on November 09th to 12th, 2010 in Portland, Oregon, USA.

Proposal new review (26 proposals were reviewed, 3 breakout groups)

Breakout Group 1: Solid Earth and Microbiology (chaired by M. Torres)

1011SSEP_ Revised&New Breakout Session 1_ Lead TORRES												
Revised proposal	Proposal Number	Latest_Version	Short_Title	Lead_Propo- nent	Country_Lead_P	Propo- sal_IS P	Propo- sal_Initi- ative	Lead WD	WD2	WD3	WD4	COI
13	774	APL	Costa Rica Subseafloor Microbial Mats	Wheat	USA	1	1.1	Wortmann	Takeuchi	Takano	Hiroyuki	
19	780	Pre	Rodriguez Triple Junction Microbiology	Kumagai	Japan	1+3	1.1+3.0	Takeuchi	Schulte	Takano	Jaeger	
20	781	Pre	Hikurangi subduction margin	Wallace	ANZIC: New Zealand	1+3	3.4	Moore	Yamamoto	Su/Brumsack	Takano	
24	785	APL	Gulf of Mexico SCIMPI field trail	Moran	USA	1	1.2	Wilson	Moore	Kinoshita	Takeuchi	
26	758	Full2	Atlantis Massif Seafloor Processes	Früh-Green	ECORD: Switzerland	1+2+3	1.1+2.0+3.0	Schulte	Yamamoto	Hiroyuki	Takano	
12	773	Pre	Arctic Slope Stability	Winkelmann	ECORD: Germany	1+2	1.2+2.0	Morishita	Schulte	Hornbach	Moore	
18	779	APL	Atlantis Massif Lithosphere Hydration	Blackman	USA	3	3	MacLennan	Ishiwatari	Koepke	Carlut	
2	696	Full3	Izu-Bonin-Mariana Deep Forearc Crust	Pearce	ECORD: UK	3	3.3+1.1	Anma	Takeuchi	Hiroyuki	Carlut	
3	698	Full3	Izu-Bonin-Mariana Arc Middle Crust	Tatsumi	Japan	3	3.3	Ishiwatari	Erzinger	Anma	MacLennan	

Breakout Group 2: Solid Earth and Paleoenvironment and Microbiology (chaired by J. Backman)

1011SSEP_ Revised&New Breakout Session 2_ Lead BACKMAN												
Revised proposal	Proposal Number	Latest_Version	Short_Title	Lead_Propo- nent	Country_Lead_P	Propo- sal_IS P	Propo- sal_Initi- ative	Lead WD	WD2	WD3	WD4	COI
4	704	Full2	Sumatra Seismogenic Zone	Goldfinger	USA	3	3.4	Kinoshita	Moore	Koepke	Michibayashi	Torres
9	769	APL2	Costa Rica Crustal Architecture	Tominaga	USA	3	3.3	Kinoshita	MacLennan	Ishiwatari	Wilson	
11	772	APL2	North Atlantic Crustal Architecture	Tominaga	USA	3	3.3	Ishiwatari	Wortmann	Erzinger	Michibayashi	
10	770	Full2	Kanto Asperity Project: Observatories	Sato	Japan	3	3.4	Michibayashi	MacLennan	Ishiwatari	Morishita	Moore
21	782	Pre	Kanto Asperity Project: Plate Boundary Deformation	Yamamoto	Japan	3	3.4	Anma	Erzinger	Kinoshita	Morishita	Moore
5	707	CDP3	Kanto Asperity Project: Overview	Kobayashi	Japan	3	3.4	Michibayashi	Takeuchi	Carlut	Jaeger	Moore
25	786	APL	Alaskan Glacial and Ocean History	Mix	USA	2	2.2	Hodell	McHugh	Su/Brumsack	Erba	Jaeger
16	777	APL	Okinawa Trough Quaternary Paleocyanography	Lee	IAC	2	2.2	Berne	Wortmann	Anderson	Gallagher	Lee, Ikeha

Breakout Group 3: Paleoenvironment (chaired by Y. Iryu)

1011SSEP_ Revised&New Breakout Session 3 Lead IRYU												
Revised proposal	Proposal Number	Latest_Version	Short_Title	Lead_Propo- nent	Country_Lead_P	Propo- sal_ISP	Propo- sal_Initi- ative	Lead WD	WD2	WD3	WD4	COI
1	595	Full4	Indus Fan and Murray Ridge	Clift	ECORD: UK	2	2.2	Ikehara	Hodell	Anderson	Nishi	
6	747	Full	North Atlantic Paleogene Climate	Coxall	ECORD: UK	2	2.1+2.2	McHugh	Nishi	Anderson	Berne	
8	768	APL2	Gulf of Mexico Paleoclimatology	Flower	USA	2	2.2	Jaeger	Gallagher	Hodell	Ikehara	
14	775	APL	West Pacific Warm Pool Paleocenography	Rosenthal	USA	2	2.2	Yamamoto	Erba	Gallagher	Wortmann	
15	776	Full	Arabian Sea Paleoclimate	Pandey	India	2+3	2.1+3.2	Gallagher	Anderson	McHugh	Ikehara	Pandey
22	783	APL	Indian Monsoon history	Hathorne	ECORD: German y	2	2.2	Lee	McHugh	Pandey	Sato	
7	753	Pre2	Beaufort Sea Paleocenography	O'Regan	ECORD: UK	2	2.2	Nishi	Lee	Pandey	Berne	
17	778	Full	Tanzania Margin Paleoclimate Transect	Wade	ECORD: UK	2	2.1	Sato	Jaeger	Ikehara	Erba	
23	784	Pre	Amundsen Sea Ice Sheet history	Gohl	ECORD: German y	2	2.2	Su/Brumsack	Lee	Sato	Pandey	





Review of all active proposals






The **summary dispositions** were as follows:

- Submit revised APL: 2
- Forward APL to SPC: 7
- Deactivate APL: 1
- Submit revised Pre: 1
- Develop Full from Pre: 4
- Deactivate Pre: 1
- Submit revised full: 3
- Forward Full to SPC: 3 (two with no star ranking, one with 5 stars)
- Full for external review: 3
- Revise CDP: 1

4. Review of old and active proposals:

SSEP received a request from SPC to evaluate all proposals active in the system and provide an honest assessment of the timeliness and excitement of the science proposed. The general ranking within the three tiers requested by SPC followed the general guidelines of identifying highly promising science and APLs that are scientifically promising and that will fit the shiptrack for FY12 and 13. The panel reviewed 40 proposals. From these we identified 7 Tier 1, 17 Tier 2 and 16 Tier 3. A short summary of the dispositions for each proposal was forwarded to IODP-MI.

1011SSEP_Old&Active Breakout session 1 Lead TORRES									
Proposal	Version	Short_Title	Lead_Propo nent	Country Lead P	ISP	Initiative	watchdogs	COI	Grouping
640	Full	Godzilla Mullion	Ohara	Japan	3	3.0	<u>Carlut</u> <u>Koepke</u>	Michibayashi	Tier 3
692	Full	Flemish Cap Rifted Margin	Hopper	USA	3	3.1	<u>Koepke</u> <u>Anma</u>		Tier 2
754	Full2	Norwegian Sea Silica Diagenesis	Davies	ECORD: UK	3		<u>Koepke</u> <u>Yamamoto</u>	Davies	Tier 2
766	APL	Essaouira Seamount Hotspot	Geldmacher	USA	3	3.0	<u>Morishita</u> <u>Maclennan</u>	Geldmacher, Petronis	Tier 3
685	Full	Ligurian Margin Borehole Observatory	Henry	ECORD: France	1+		Erzinger <u>Kinoshita</u>		Tier 3
701	Pre2	Great Australian Bight Deep Biosphere	Wortmann	ECORD: Canada	1		<u>Schulte</u> <u>Hiroyuki</u>	Wortmann, Wilson	Tier 2
715	Full	Mediterranean Landslides	Camerlenghi	ECORD: Spain	1+		<u>Schulte</u> <u>Yamamoto</u>		Tier 3
743	Full	Gulf of Mexico Hydrate Dynamics	Knapp	USA	1	1.2	Wilson <u>Wortmann</u>		Tier 2
749	Pre	Gulf of California Rifting & Microbiology	Teske	USA	3+1	3.1+1.1	<u>Ikehara</u> <u>Takano</u>		Tier 1
759	Pre	EPR Fast-Spread Crust	Haymon	USA	1+3	1.1+3.0	<u>Michibayashi</u> <u>Hornbach</u>	Wilson	Tier 1
761	Pre	South Atlantic Bight Hydrogeology	Wilson	USA	1+2	1.0+2.0	<u>Hiroyuki</u> <u>Hornbach</u>	Wilson	Tier 1
764	Pre	TAG II Hydrothermal System	Rona	USA	1	1.1	Wilson <u>Koepke</u>		Tier 2
635	Full3	Hydrate Ridge Observatory	Ussler	USA	1	1.1+1.2	Berne <u>Takeuchi</u>	Torres	Tier 2

1011SSEP_Old&Active Breakout session 2 Lead IRYU									
Proposal	Version	Short_Title	Lead_Propo nent	Country Lead P	ISP	Initiative	watchdogs	COI	Grouping
680	Full	Bering Strait Climate Change	Fowell	USA	2	2.0	<u>Gallagher</u> <u>Yamamoto</u> <u>Scher</u>		Tier 2
683	Full	East Asia Topography and Monsoon	Wang	China	2	2.2	Erba <u>Jaeger</u>		Tier 3
702	Full	Southern African Climates	Zahn	ECORD: Spain	2		Berne <u>Anderson</u>		Tier 2
730	Pre2	Sabine Bank Sea Level	Taylor	USA	2	2.2	<u>Moore</u> <u>Wortmann</u>	Hornbach	Tier 2
751	Full	West Antarctic Ice Sheet Climate	Bart	USA	2	2.0	<u>Sato</u> <u>Hodell</u>		Tier 2
756	Pre	Arctic Ocean Exit Gateway	Jakobsson	ECORD: Sweden	2+3		<u>Sato</u> <u>Nishi</u>	Backman	Tier 2
710	Pre2	Gulf of Corinth Rift	McNeill	ECORD: UK	3+2		<u>Anma</u> <u>Erzinger</u>		Tier 3
718	Pre	Pacific Plate Petit Spot Volcanism	Hirano	Japan	3	3.0	<u>Carlut</u> <u>Maclennan</u>	Ishiwatari	Tier 3
725	Full2	NE Atlantic Volcanic Rifted Margin	Huismans	ECORD: Norway	3		<u>Anma</u> <u>Gallagher</u>		Tier 3
727	APL	Afar Mantle Plume Dispersion	Orihashi	Japan	3	3.0	<u>Maclennan</u> <u>Jaeger</u>		Tier 3
729	Pre	Western Lord Howe Rise Extension	Lister	ANZIC: Australia	3	3.1	<u>Morishita</u> <u>Nishi</u>		Tier 3
731	Pre	Papua New Guinea Orogenic Lifecycle	Goodliffe	USA	3	3.1	<u>Nishi</u> <u>Morishita</u>		Tier 2
735	Full	South China Sea Tectonic Evolution	Li	China	3	3.1	<u>Hornbach</u> <u>Kinoshita</u>		Tier 3
740	Full	Galicia Margin Rift History	Reston	ECORD: UK	3		<u>Carlut</u> <u>Ikehara</u>		Tier 1

1011SSEP_Old&Active Breakout session 3 Lead BACKMAN								
Proposal	Version	Short_Title	Lead_Propo- nent	Country_Lead_P	ISP	Initiative	watchdogs	Grouping
615	Full2	NW Pacific Coral Reefs	Matsuda	Japan	2	2.2	Hodell <u>Berne</u> Scher	Tier 3
623	Full4	Ontong Java Plateau	Neal	USA	3	3.2+2.1	<u>Erzinger</u> Pandey Scher	Tier 3
625	Full	Pleistocene Pacific Southern Ocean	Gersonde	ECORD: Germany	2	2.2	<u>Erba</u> Lee	Tier 1
645	Full3	North Atlantic Gateway	Jokat	ECORD: Germany	2	2.1+2.2	<u>Erba</u> Takano	Tier 2
656	Full4	Belize Margin Paleoclimate and Tectonics	Droxler	USA	2	2.2	<u>McHugh</u> Pandey Scher	Tier 3
658	Full2	North Atlantic Volcanism and Paleoclimate	Planke	ECORD: Norway	2	2.2	<u>Wilson</u> <u>Schulte</u>	Tier 1
667	Full	NW Australian Shelf Eustasy	Fulthorpe	USA	2	2.2	McHugh <u>Anderson</u>	Tier 2
708	Pre2	Central Arctic Paleooceanography	Stein	ECORD: Germany	2	2.1+2.2	<u>Lee</u> <u>Sato</u>	Tier 1
737	Full2	North Sea Cenozoic Climate Change	Donders	ECORD:Netherlands	2	2.2	<u>Su</u> <u>Hodell</u>	Tier 3
746	Pre	Arctic Mesozoic Climate	Jokat	ECORD: Germany	2	2.1+2.2	<u>Hiroyuki</u> Pandey	Tier 3
750	Pre	Beringia Sea Level History	Polyak	USA	2	2.0	<u>Wilson</u> Moore Scher	Yamamoto Tier 2
760	Pre	SW Australia Margin Cretaceous Climate	Gröcke	ECORD: UK	2	2.2	<u>Takano</u> <u>Su</u>	Tier 2
771	Full	Iberian Margin Paleoclimate 2	Hodell	USA	2	2.2	<u>Su</u> <u>Lee</u> Scher	Hodell Tier 2

Further SSEP Consensus Statements

SSEP Consensus 1011-03: The SSEP recommends that SPC consider forming a Detailed Planning Group that will be responsible for organizing and prioritizing existing proposals dealing with drilling the Antarctic realm, e.g., proposals 625-Full, 732-Full2, 751-Full, 784-Pre, and, likewise, to advocate development of and coordination with new drilling initiatives.

SSEP Consensus 1011- 04: SSEP notes the importance of history and continuity in evaluating drilling proposals. As the terms of reference for the new program get developed, we strongly recommend that the new proposal cover sheet includes a check box for new proposals whose main objectives have been the topic of previously submitted proposals, the previous proposal number (s) and a letter detailing how the new submission differs and improves from previous ones.

Further information is given in the Minutes of that meeting: http://www.iodp.org/index.php?option=com_docman&task=doc_download&gid=2883.

2.4 Science Planning Committee SPC and Operation Task Force OTF

R. Stein gave a summary about the outcomes of the 17th IODP Science Planning Committee meeting at BGS, Edinburgh, UK, March 28th to 31st, 2011 and the Operations Task Force Meeting.

SPC Meeting

Agenda

1. Introduction
2. to 6. Reports of agencies, IODP-MI, IOs, and SAS panels
 - IODP-MI: "Rapid Response DPG"
 - IOs: Up-date of expedition FY2011/12
7. International Continental Scientific Drilling Program
9. Proposal Transfer Approach
10. SSEP Proposal Summaries
11. Presentation and discussion of SPC proposals
12. Clarify status of proposals remaining at OTF
13. and 15. Global ranking of proposals I
14. and 16. Presentation and discussion of APLs
17. Other business
18. Review of motions and consensus items
19. Future meetings

IODP-MI Report: Rapid Response Drilling DPG

SPC Consensus 1103-03:

The IODP community is deeply saddened by the devastating effects of the March 11, 2011 Tohoku earthquake and resulting tsunami in Japan, and expresses its deepest concerns for the well being of all affected by this natural disaster.

The SPC recognizes the scientific challenges and responsibilities that this earthquake has created regarding the understanding about the nucleation of great earthquakes, associated tsunami, and submarine slide generation, to contribute to geohazard mitigation. SPC therefore recommends that IODP in conjunction with colleagues from ICDP, contribute intellectual capacity by forming a detailed planning group (DPG) to provide a scientific assessment of the viability, strategy, and time period for a potential rapid response drilling effort within the region affected by the Tohoku mega-earthquake.

..... To accomplish this in a timely manner, the DPG needs to be formed by April 15, 2011 and submit a first, interim report to IODP-MI by June 8, 2011.

Rapid Response Drilling Detailed Planning Group (RR-DPG)

co-chaired by Dr. Jim Mori (Kyoto University), Dr. Emily Brodsky (UC Santa Cruz), and Dr. Shuichi Kodaira (JAMSTEC)

„an action plan to consider a rapid response drilling project using the available IODP drilling platforms to drill the Tohoku thrust zone to investigate the geophysical, structural and thermal state of the recently ruptured fault zone“

Initial meeting of the DPG is taking place May 18-20 in Tokyo

ECORD participants (financial support by ESSAC):

Satish Singh (IPGP Paris), Steven Smith (INGV Rome)

Up-date of expedition



Costa Rica Seismogenesis Project (CRISP) Expedition (334)

Schedule: Mar - Apr 2011

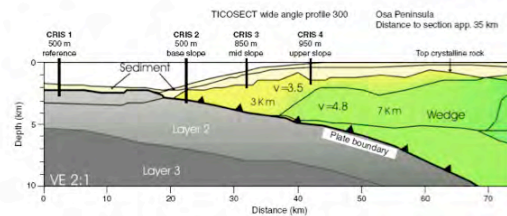
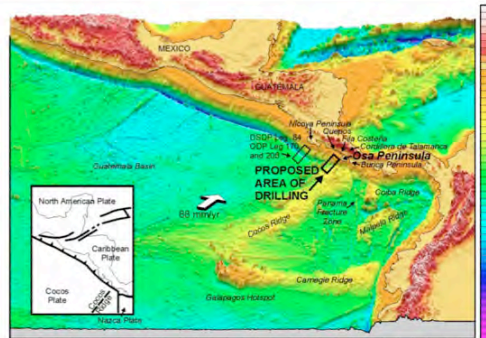
Co-Chiefs: Paola Vannucchi
Kohtaro Ujiie

Objectives:

- Understand seismogenesis along erosional margins
- LWD and coring at two sites
- Focus on the characterization of the upper plate, lithology, deformation, and fluid system

Staffing:

- Complete



Superfast Spreading Rate Crust 4 Expedition (335)

Schedule: 17 Apr – 20 May 2011

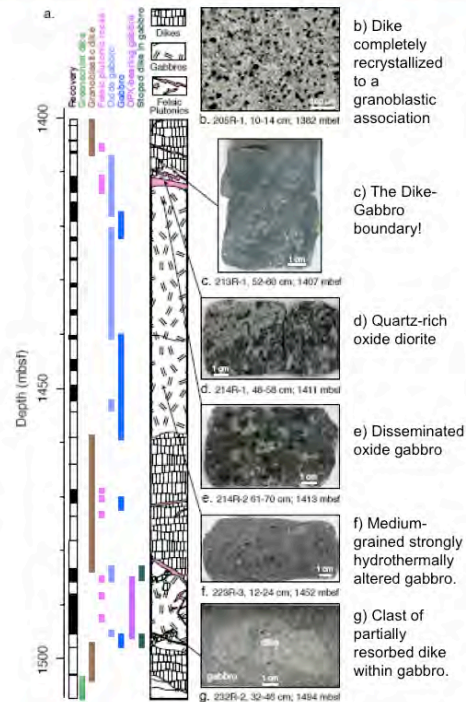
Co-Chiefs: Damon Teagle
Benoit Ildefonse

Objectives:

- Previous drilling in Hole 1256D Leg 206 and IODP Exp 309/312
- Total penetration of 1506 m
1250 m into the igneous crust
345 m sheeted dikes
100 m into gabbroic rock
- Deepen Hole 1256D as far as possible into gabbro
complete coring and logging of an entire upper to mid-oceanic crustal section.

Staffing: Complete

Pre-cruise meeting: 11–12 Aug 2010





Mid-Atlantic Ridge Microbiology Expedition (336)

Schedule Sep - Nov 2011

Co-Chiefs

- Katrina Edwards
- Wolfgang Bach

Objectives

- Investigate microbiological communities isolated sediment pond located on a slow spreading ridge

underlying basement community harbored within a young ridge flank with low heat flow.

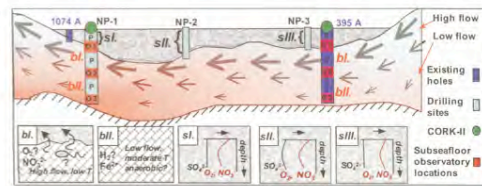
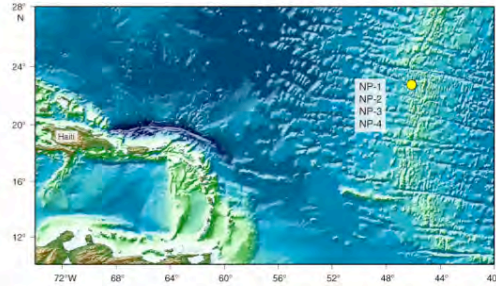
Region previously drilled & CORKed

CORK two new sites and re-CORK Hole 395A

- Intensive engineering effort USIO, scientists with substantial \$'s
- Microbiology logging tool (3rd party)

Education and Outreach: 3 participants

Staffing: complete



Western Mediterranean Outflow Expedition (339)

Schedule: Nov 2011 - Jan 2012

Co-Chiefs: Javier Fernandez-Molina, Dorrik Stow

Objectives

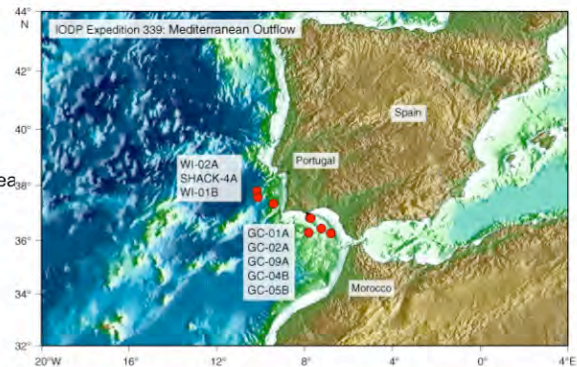
- Role of ocean gateways in regional and global ocean circulation and climate
- Mediterranean Outflow Water (MOW) and impact of sea level change on MOW since the Miocene
- Role of the Gibraltar Gateway on North Atlantic circulation and global climate
- Syn-sedimentary neotectonic controls

763-APL (Hodell)

- Plio-Pleistocene millennial-scale climate variability and changes in surface and deep-water circulation
- Temporal relationships of abrupt climate change in the northeast Atlantic Ocean in relation to those from ice cores and European terrestrial records

Precruise Meeting: 3-4 March

Staffing: Application deadline 3 January





Lesser Antilles Volcanism and Landslides Expedition (340)

Schedule: Jan-Mar 2012

Co-Chiefs: TBD

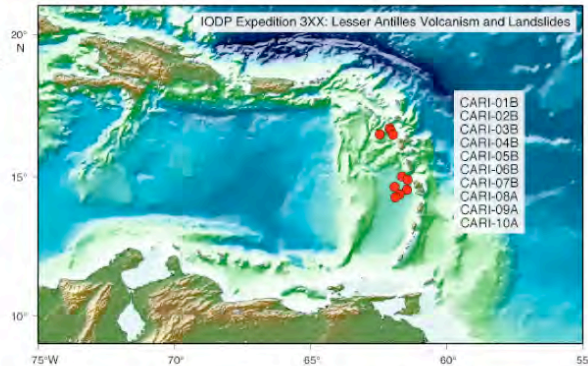
Objectives:

- Investigate the constructive and destructive processes of volcanic arcs by drilling sites along the Lesser Antilles Arc
- Characterize the processes and timing of eruptive activity along the arc
- Reconstruct volcanism during the early marine and subaerial stages of volcano construction
- Identify the mechanisms controlling triggering, transport, and deposition of submarine debris avalanches from collapsing island volcanoes
- Assess the role of erosion, fragmentation and incorporation of sediments and water in debris avalanche mobility with implications for risk assessments.

Pre-cruise Meeting: TBD

Staffing:

- Call for Applications 1 March
- Application deadline 1 May



Alaska Tectonics, Climate and Sedimentation Expedition (341)

Schedule: Jul-Sep 2012

Co-Chiefs: TBD

Objectives

- Examine ties between tectonically driven orogenic processes, glacial processes, and north Pacific and global climate
- Obtain high-resolution late-Cenozoic sedimentary records across the southern Alaska continental margin
- Establish timing of Neogene advance and retreat of the Southern Alaskan Cordilleran Ice Sheet
- Determine the depositional history and glacial record of margin sediments
- Document the behavior of the geomagnetic field at high temporal resolution to assess processes that control secular variation and geomagnetic polarity reversals

Pre-cruise Meeting: TBD

Staffing

- Call for Applications 1 March
- Application deadline 1 May



Chikyū Shimokita Coal-Bed Hydrocarbon System and Deep-Biosphere; Proposal 745-CPP (?)

Cancelled for FY2011

Exp 337 (March 15 – May 15, 2011)

Fumio Inagaki
Kochi Institute for Core Sample Research

Co-chiefs
Kai-Uwe Hinrichs
MARUM-Center for Marine Environmental

(Complimentary Project Proposal/CPP)

Chikyū NanTroSEIZE Phase 3

- Deep Riser Drilling
- Observatory

NanTroSEIZE

Exp 338
Summer 2011
→ Postponed to 2012?

Future Plans (MSP) IODP

- ESO has been directed by ECORD to aim to implement at least one Mission Specific Platform Expedition before the end of the program.
- ESO is currently scoping 3 ranked proposals in parallel:
 - ? • Proposal 548 Chixculub K-T Impact Crater
 - ? • Proposal 716 Hawaiian Drowned Reefs*
 - Proposal 581 Late Pleistocene Coralgal Banks*

*potential for sea bed rock drilling

Or: ?? Baltic Sea SPC Meeting March 2011
 ?? Nice Land Slides
 ?? Atlantis Massif Seafloor Processes

ECORD Science Operator

International Continental Scientific Drilling Program

Discussion at SPC Meeting in Sydney (Mar 2010)

IMPLEMENTING AN INTERNATIONAL PROGRAM FOR CLIMATE AND HUMAN EVOLUTION RESEARCH

- (1) An international exploration initiative:
the need for more fossils
- (2) An integrated marine, lake, and terrestrial drilling program
- (3) Integrating modeling with environmental records
- (4) Public outreach opportunities

Joint IODP-ICDP PPG for Climate-Hominid Evolution research
"Understanding of climate influence of hominids evolution"

Current Status:

- Peter deMenocal (IODP co-chair)
- Andy Cohen (ICDP co-chair)

- Co-chairs should select members (12 persons)

- PMOs will be contacted about memberships

- First meeting (winter) in Lamont, continuing via emails, last meeting beginning 2012

SPC Consensus 1103-06:

The Science Planning Committee (SPC) of the IODP recognizes significant potential synergy in research goals of IODP and ICDP. The SPC seeks to improve collaboration between these scientific drilling programs and minimize any potential roadblocks to future research collaborations, particularly for onshore-offshore transects. Thus, a short meeting of a task force is proposed, to include representatives of IODP-SPC (Chair and one member) and IODP's management and representatives of ICDP-SAG/EC and ICDP management. The goal of this task force will be to develop a structure to promote collaboration on projects with common goals, and to improve communication on relevant proposals under consideration. The ultimate goal will be joint project development, coordination of proposal actions, and joint funding as appropriate.

Proposal Transfer Approach

SASEC asks SPC to develop a plan of reviewing the pools of proposals currently within SAS and identifying those high priority proposals, with respect to current ISP and the Science Plan for the new program, which will be considered for the first phase of scientific ocean drilling in the new program.

SPC Consensus 1008-09: SPC asks SSEP to analyze proposals within their pool in November 2010, and determine following;

1. Which have the highest scientific potential
2. Which APLs align with FY2012 drilling schedule and draft FY2013 shiptrack

SPC Consensus 1008-10: SPC will consider OTF and SPC proposals at March 2011 for transferring to the new SAS

SPC Consensus 1008-11: At the March 2011 SPC meeting, SPC will consider the prioritization of proposals from SSEP when SPC decides which proposals to transfer to the new SAS

4. Review of old and active proposals:

SSEP received a request from SPC to evaluate all proposals active in the system and provide an honest assessment of the timeliness and excitement of the science proposed. The general ranking within the three tiers requested by SPC followed the general guidelines of identifying highly promising science and APLs that are scientifically promising and that will fit the shiptrack for FY12 and 13. The panel reviewed 40 proposals. From these we identified 7 Tier 1, 17 Tier 2 and 16 Tier 3. A short summary of the dispositions for each proposal was forwarded to IODP-MI.

SPC general guideline for discussion and decision:

Tier 1 -> Forward into New program

Tier 2 -> Forward ? (yes or no)

Tier 3 -> Candidates for not forwarding

Tier 1 -> Forward into New program (7 proposals)								
761	Pre	South Atlantic Bight Hydrogeology	Wilson	USA	1+2	1.0+2.0	Hiroyuki Hornbach	Wilson
759	Pre	EPR Fast-Spread Crust	Haymon	USA	1+3	1.1+3.0	Michibayashi Hornbach	Wilson
625	Full	Pleistocene Pacific Southern Ocean	Gersonde	ECORD: Germany	2	2.2	Erba Lee	
658	Full2	North Atlantic Volcanism and Paleoclimate	Planke	ECORD: Norway	2	2.1+3.2	Wilson Schulte	
708	Pre2	Central Arctic Paleooceanography	Stein	ECORD: Germany	2	2.1+2.2	Lee Sato	
740	Full	Gallia Margin Rift History	Reston	ECORD: UK	3	3.1	Carlut Ikehara	
749	Pre	Gulf of California Rifting & Microbiology	Teske	USA	3+1	3.1+1.1	Ikehara Takano	

10.1 Deep Biosphere and Subsurface Ocean

SPC Motion 1103-07: The SPC does not forward Proposal 701-Pre2 Great Australian Bight Deep Biosphere to the new program. *Motion passed* ↓

SPC Motion 1103-08: The SPC does not forward Proposal 743-Full Gulf of Mexico Hydrate Dynamics to the new program. *Motion passed* ↓

SPC Motion 1103-09: The SPC does not forward Proposal 764-Pre TAG II Hydrothermal System to the new program. *Motion passed* ↓

SPC Motion 1103-10: The SPC does not forward Proposal 685-Full Ligurian Margin Borehole Observatory to the new program. *Motion passed* ↓

SPC Motion 1103-11: The SPC does not forward Proposal 715-Full Mediterranean Landslides to the new program. *Motion passed* ↓

SPC Motion 1103-12: The SPC does not forward Proposal 645-Full3 North Atlantic Gateway to the new program. *Motion passed* ↓

SPC Motion 1103-13: The SPC does not forward Proposal 702-Full Southern African Climates to the new program. *Motion passed* ↓

SPC Motion 1103-14: The SPC does not forward Proposal 771-Full Iberian Margin Paleoclimate 2 to the new program. *Motion passed* ↓

SPC Motion 1103-15: The SPC does not forward Proposal 656-Full4 Belize Margin Paleoclimate and Tectonics to the new program. *Motion passed* ↓

SPC Motion 1103-16: The SPC does not forward Proposal 683-Full East Asia Topography and Monsoon to the new program. *Motion passed* ↓

SPC Motion 1103-17: The SPC does not forward Proposal 710-Pre2 Gulf of Corinth Rift to the new program. *Motion passed* ↓

SPC Motion 1103-18: The SPC does not forward Proposal 737-Full2 North Sea Cenozoic Climate Change to the new program. *Motion passed* ↓

SPC Motion 1103-19: The SPC does not forward Proposal 746-Pre Arctic Mesozoic Climate to the new program. *Motion passed* ↓









SPC Motion 1103-20: The SPC does not forward Proposal 615-Full2 NW Pacific Coral Reefs to the new program. *Motion failed* →

SPC Motion 1103-21: The SPC does not forward Proposal 730-Pre2 Sabine Bank Sea Level to the new program. *Motion failed* →

SPC Motion 1103-22: The SPC does not forward Proposal 667-Full NW Australian Shelf Eustasy to the new program. *Motion failed* →

SPC Motion 1103-23: The SPC does not forward Proposal 750-Pre Beringia Sea Level History to the new program. *Motion failed* →

SPC Motion 1103-24: The SPC does not forward Proposal 760-Pre SW Australia Margin Cretaceous Climate to the new program. *Motion failed* →

SPC Motion 1103-25: The SPC does not forward Proposal 623-Full4 Ontong Java Plateau to the new program.	<i>Motion passed</i> 
SPC Motion 1103-26: The SPC does not forward Proposal 640-Full Godzilla Mullion to the new program.	<i>Motion failed</i> 
SPC Motion 1103-27: The SPC does not forward Proposal 718-Pre Pacific Plate Petit Spot Volcanism to the new program.	<i>Motion passed</i> 
SPC Motion 1103-28: The SPC does not forward Proposal 725-Full NE Atlantic Volcanic Rifted Margin to the new program.	<i>Motion passed</i> 
SPC Motion 1103-29: The SPC does not forward Proposal 727-APL Afar Mantle Plume Dispersion to the new program.	<i>Motion passed</i> 
SPC Motion 1103-30: The SPC does not forward Proposal 729-Pre Western Lord Howe Rise Extension to the new program.	<i>Motion failed</i> 
SPC Motion 1103-31: The SPC does not forward Proposal 766-APL Essaouira Seamount Hotspot to the new program.	<i>Motion passed</i> 
SPC Motion 1103-32: The SPC does not forward Proposal 735-Full South China Sea Tectonic Evolution to the new program.	<i>Motion failed</i> 

Presentation and discussion of SPC proposals

11.1 Mission Specific Platform proposals (3)


- 748-Full2 Nice Airport Landslide
- 758-Full2 Atlantis Massif Seafloor Processes
- 672-Full3 Baltic Sea Basin Paleoenvironment


11.2 Riser Proposal (1)


- 698-Full3 Izu-Bonin-Mariana Arc Middle Crust


11.3 Non-Riser Proposals (8)


- 555-Full3 Cretan Margin
- 589-Full3 Gulf of Mexico Overpressure
- 595-Full4 Indus Fan and Murray Ridge
- 697-Full3 Izu-Bonin-Mariana Reararc Crust
- 669-Full3 Walvis Ridge Hotspot
- 703-Full Costa Rica SEISCork


SPC Motion 1103-39: The SPC forwards the two ranked MSP proposals, 758-Full2 Atlantis Massif Seafloor Processes and 672-Full3 Baltic Sea Basin Paleoenvironment, to the Operations Task Force (OTF). *Motion passed* 


SPC Motion 1103-40: The SPC encourages ESO to begin scoping 672-Full3 Baltic Sea Basin Paleoenvironment and 758-Full2 Atlantis Massif Seafloor Processes as soon as viable. *Motion passed* 

SPC Motion 1103-41: The SPC forwards proposal 698-Full3 Izu-Bonin-Mariana Arc Middle Crust to the Operations Task Force (OTF). *Motion failed* 

SPC Motion 1103-42: The SPC forwards the top two ranked Non-Riser proposals, 595-Full4 Indus Fan and Murray Ridge and 697-Full3 Izu-Bonin-Mariana Rear-Arc to the Operations Task Force (OTF). *Motion passed* 

SPC Consensus 1103-36: The SPC deactivates proposal 757-APL South Pacific Eocene-Oligocene and 775-APL West Pacific Warm Pool Paleooceanography. *Motion passed* 

SPC Motion 1103-37: The SPC deactivates proposal 772-APL2 North Atlantic Crustal Architecture. *Motion failed* 

SPC Consensus 1103-38: The SPC forwards the following APL proposals to the Operations Task Force (OTF) for potential scheduling. *Motion passed* 

- 769-APL2 Costa Rica Crustal Architecture
- 779-APL Atlantis Massif Lithosphere Hydration
- 783-APL Indian Monsoon History
- 785-APL Gulf of Mexico SCIMPI Field Trial
- 786-APL Alaskan Glacial and Ocean History

Future meetings:

- OTF Meeting
- Edinburgh, June 10-11, 2011
- SASEC Meeting
- Amsterdam, June 14-15, 2011
- SPC Meeting
- ?????, August 22-24, 2011

Further information is given in the draft Minutes of the SPC meeting:
http://www.iodp.org/index.php?option=com_docman&task=doc_download&gid=2960.

3. ECORD News

3.1 EMA - ECORD Council and ECORD ILP activities

C. Mével presented the ECORD Council report and ECORD ILP activities.

ECORD council meeting #18, Paris, November 2010

- ECORD council motion 10-02-2

New rotating scheme for the chair: mandate extended to 1 year

Current chair: Mireille Perrin (Oct 10 – Sept 11)

Vice chair: Anne de Vernal (April 11 – Sept 11)

Executive: Perrin, de Vernal, Lüniger, Webb, Sanchez-Quintana

- ECORD Council motion 10-02-3

ECORD council endorses the proposal of the Executive to facilitate the transition to the next phase. In order to insure a smooth transition, CNRS will continue to host EMA and BGS to host ESO during the first three years of the new programme (2014-2016).

-

ECORD Budget situation

CNRS has now opened a dollar account for EMA

Simplification, not subject to exchange rate fluctuations

Funding problems in FY11v (and beyond?)

- Denmark decreased its contribution from 200 to 170 k
- Italy has only one institution paying (CNR) 100 k
- Spain (762 k) and Portugal (90 k) have not paid

Deep sea and seafloor frontier

EC-funded project to develop a road map for the next 15 years

Coordinated by Achim Kopf

For a better integration of drilling with other initiatives that address deep seafloor processes

1 M€ over 2.5 years

Important to increase our visibility with respect to the EC

However, money only to support workshops and develop a road map

Should help promoting the DSF concept for more substantial funding under FP8....

It is important to promote the new science plan and possibly other drilling initiatives (GOLD project) to make sure that they are included in the road map and therefore visible to the European Commission

6 scientific workpackages

WP1 Lithosphere - biosphere interaction & resources

WP leader: Yves Fouquet, IFREMER, France

Gretchen Früh-Green, ETH Zürich, Switzerland

WP2 Sedimentary seafloor and sub-seafloor ecosystems: past, present & future links

WP leader: Timothy Ferdelman, MPI, Germany

Judith McKenzie, ETH Zürich, Switzerland

WP3 Deep biosphere

WP leader: Bo Barker Jørgensen, Aarhus University, Denmark

R. John Parkes, University of Cardiff, UK

WP4 Sediment dynamics & geohazards

WP leader: Miquel Canals, University of Barcelona, Spain

Vasilis Lykousis HCMR Athens, Greece Marine geohazards

WP5 Geofluids and gas hydrates

WP leader: Jürgen Mienert, University of Tromsø, Norway

Angelo Camerlenghi, University of Barcelona, Spain

WP6 Climate change & response of deep-sea biota

WP leader: Heiko Pälike NOC – Univ. Southampton, UK

Ralph Schneider, Univ. Kiel, Germany

3 technical workpackages

WP7 Mission-specific subseafloor sampling

WP leader: Catherine Mével, IPG Paris, France
Maria Ask, Luleå Technical University, Sweden

WP8 Infrastructure & Synergies

WP leader: Angelo De Santis, INGV, Italy
Phil Weaver, NOC – Univ. Southampton, UK

WP9 Management & science-policy interfacing

WP leader: Achim Kopf, MARUM Bremen, Germany
Antje Boetius, Alfred-Wegener Inst. for Polar & Mar. Research, Germany

Renewal update

In principle, all ECORD counties are willing to continue participating in IODP as a consortium and provide access to MSPs

In order to insure a smooth transition, **CNRS will continue to host EMA and BGS to host ESO** during the first three years of the new programme (2014-2016).

No disruption in the current management system

To prepare for the next phase at the ECORD level:

A **business plan** is being developed by EMA/ESO

Will be discussed at the next ECORD council meeting

To be presented to the funding agencies in Europe

What they get for their money...

Independent ECORD evaluation committee

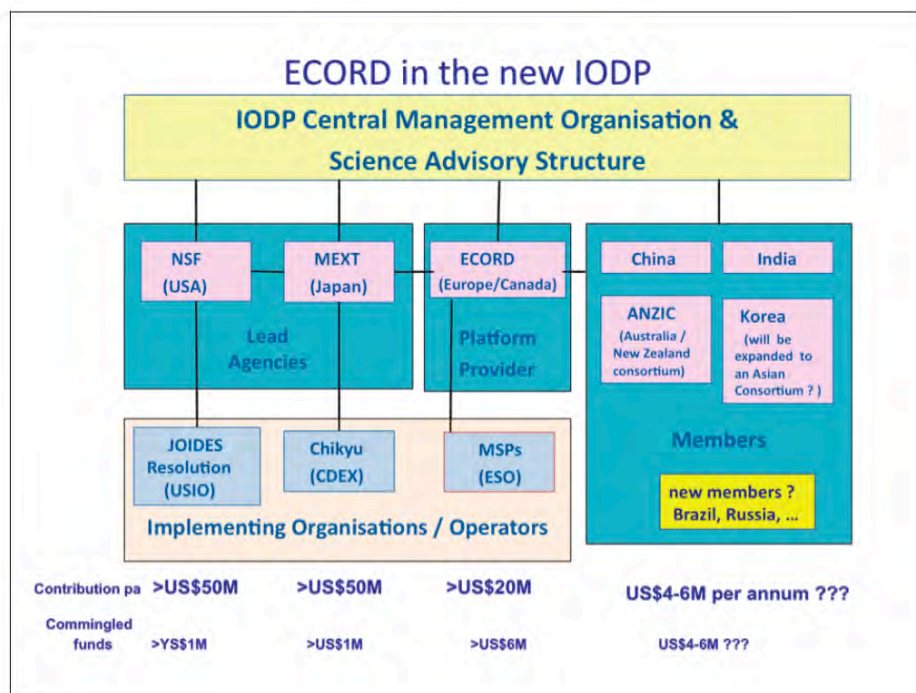
NSP + Review report + business plan to the funding agencies this summer

Expression of interest by the end of 2011

Aim: to sign the ECORD MoU in 2012

ECORD business plan

ECORD aims at being a platform provider: at least 20 M including 6 to the comingled funds
 No more SOCs and POCs



	Annual Income	EMA/ESSAC costs	ESO - non platform costs	ESO-Platform funds	Total ESO budget	Contribution to co-mingled funds
2014	21.4	0.6	2.4	12.4	14.8	6.0

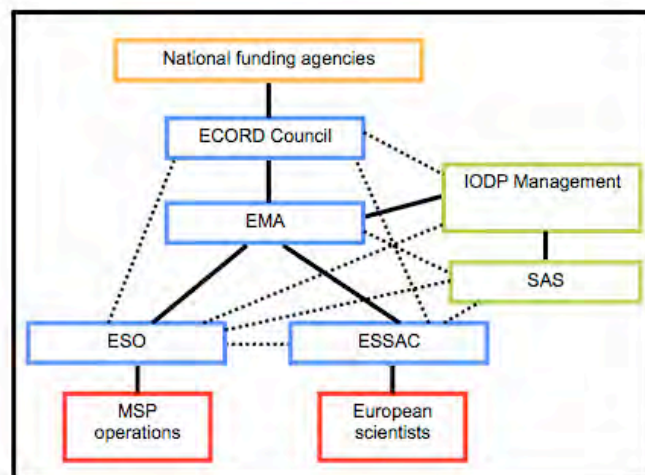
Available for MSPs

Currently, the annual POC budget is ~4 M

Concept of MSPs expanded to seabed drills, *long piston coring*

Maintaining the same level of contribution will be difficult for member countries
 ECORD will encourage and help proponents to look for other funding sources (EC, industry, other agencies, etc..)

ECORD task force to seek co-funding opportunities from national and European funding agencies in both science and technology development to support the ECORD program.



There is no reason, to modify the overall ECOR structure

Recommendations for specific actions for ECORD council, EMA, ESO
 ESSAC

Role of ESSAC

The role of ESSAC in promoting scientific drilling towards the European Union could be expanded, and it is suggested that ESSAC:

- Participates in EU initiatives such as the Deep Sea and Sub-Seafloor Frontier project
- Encourages proposals which are integrated with EU framework projects
- Encourages proposals which are integrated with National funding agencies
- Encourages a new approach to site surveys, e.g. coordinated European research vessel activities in the Arctic area
 - Need for a "Magellan II" programme

3.2 ECORD evaluation

C. Mével reported about the ECORD evaluation.

	Affiliation	expertise
Arne Bjorlykke (chair)	Museum of Natural History, Oslo, Norway	Marine geology
Joe Cann	University of Leeds, UK	Ocean lithosphere
Katherine Richardson	University of Copenhagen, Denmark	Biological oceanography
Miquel Canals	University of Barcelona, Spain	Sedimentology, slope failure
Ilmo Kukkonen	Geological Survey of Finland	Applied geophysics, ICDP
Hedi Oberhänsli	GFZ, Potsdam, Germany	paleoclimate
Rémi Eschard	IFP Energies nouvelles, France	Sedimentology

First meeting of the committee held in Paris, IPGP

February 1-2-3

Unfortunately, Miquel Canals had to cancel at the last minute due to health problem

Relevant documents (ISP, first evaluation report, operation reports for the MSP expeditions, triennium review report, etc...) as well as a summary of the accomplishments for the science topics and all the presentations made to the committee are posted in a restricted area of the ECORD website

Meeting agenda

- ECORD and IODP (C. Mével)
- Discussion of the terms of reference (A. Bjorlykke)
- Ocean lithosphere (D. Teagle)
- Fluid flow (M. Riedel)
- Deep biosphere (K.-U. Hinrichs)
- Seismogenic zone (A. Kopf)
- Climate variability (C. Escutia)
- ACEX (J. Backman)
- Sealevel (G. Camoin)
- MSP operations (B. Gatliff and D. McInroy, ESO)
- Statistics on ECORD involvement in IODP (R. Stein, ESSAC)
- New science plan (Mike Bickle)
- The role of ECORD in the new ocean drilling phase (Robert Gatliff)

Reception at IPGP, opportunity to meet with representatives from the French science community involved in ocean drilling

Visit to Bremen, March 4th, to visit the BCR and meet with the ESO staff

4 members: Bjorlykke, Canals, Kukkonen, Oberhansli

Meeting agenda

- The role of the IODP Bremen Core Repository (BCR)
- Core curation, Onshore Science Parties, Education, link IODP - ICDP*
- Ursula Röhl (IODP Curator, ESO Curation & Laboratory Manager, BCR/MARUM)
- ESO Offshore Operations
- Dave Smith (ESO Operations Manager; BGS)
- ESO Core Petrophysics and Downhole Logging
- Sarah Davies (ECORD Petrophysics Consortium (EPC) Coordinator, Univ. Leicester)
- ESO Outreach
- Alan Stevenson/Albert Gerdes (ESO Outreach Manager, BGS/ESO Public Relations, MARUM)
- Extended tour to the Bremen Core Repository
- The committee is currently writing the report
- The outcomes will be presented at the ECORD council meeting
- The report will be finalized and printed this summer

3.3 ECORD statistics

R. Stein presented the information he gave on ECORD statistics during the ECORD Evaluation Committee Meeting at IPGP, Paris, Feb 01-03, 2011.

Compilation of statistics on ECORD involvement

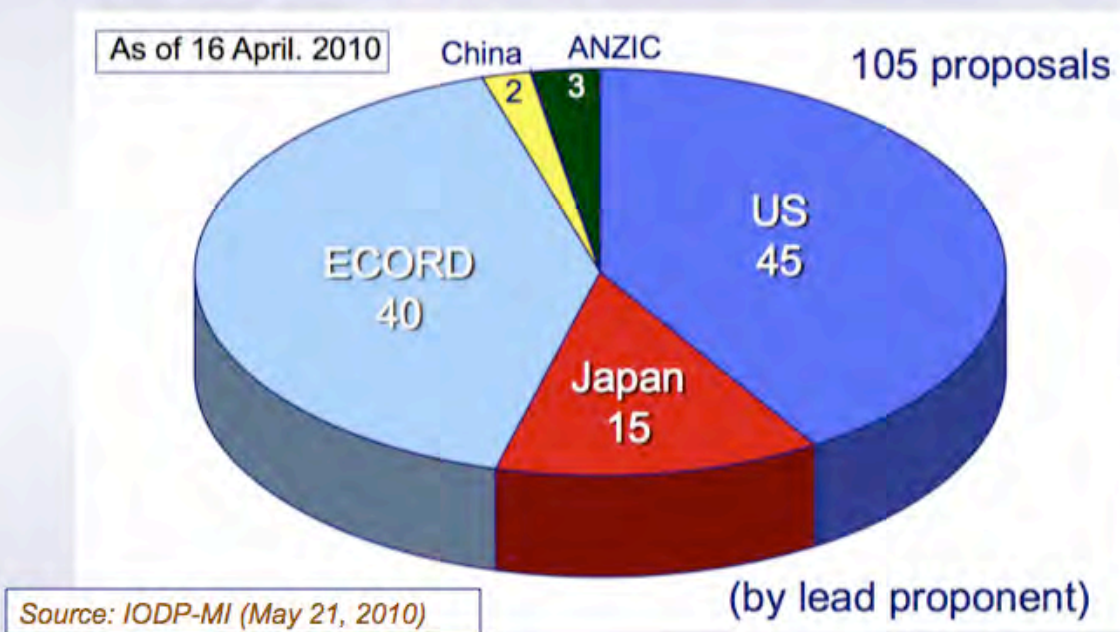
- ECORD proposals/proponents
- ECORD participants and co-chiefs in IODP expeditions
- Studies on IODP samples
- Publications by ECORD scientists

- ECORD activities in the Science Advisory Structure (SAS)

- ECORD Summer Schools
- ECORD Scholarships
 - ECORD Distinguished Lecturer Programme (DLP)
- ECORD involvement in planning/organizing workshops

Statistics on Active IODP Proposals

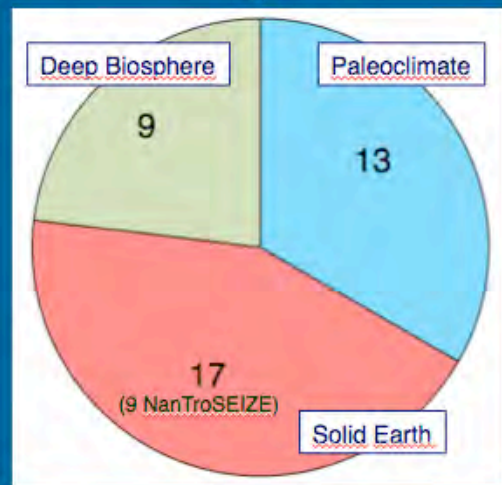
Active Proposal distribution by IODP Members



Statistics on Expeditions (301 – 339)

Expedition Name	Prop-No	Status
Juan de Fuca Hydrogeology	301	545
Arctic Drilling Expedition (ACEX)	302	533
North Atlantic Climate 1	303	572
Atlantic Massif 1: Oceanic Core Complex Formation	304	512
Atlantic Massif 2: Oceanic Core Complex Formation	305	512
North Atlantic Climate 2	306	572
Porcupine Basin Carbonate Mounds	307	573
Gulf of Mexico hydrogeology	308	589
Superfast Spreading Rate Crust 2	309	522
Tahiti Sea Level	310	519
Cascadia Margin Gas Hydrates	311	553
Superfast Spreading Rate Crust 3	312	522
New Jersey Shallow Shelf	313	564
NanTroSEIZE Stage 1: LWD Transact	314	603
NanTroSEIZE Stage 1: Megaspaly River Pilot	315	603
NanTroSEIZE Stage 1: Shallow Megacity and Frontal Thrusts	316	603
Canterbury Basin	317	600
Wilkes Land	318	482
NanTroSEIZE Stage 2: Rise/Riseless Observatory 1	319	603
Pacific Equatorial Age Transact 1	320	626
Pacific Equatorial Age Transact II / Juan de Fuca	321	626
NanTroSEIZE Stage 2: Subduction Input	322	603
Beijing Sea Paleogeography	323	477
Shangri-Red	324	554
Great Barrier Reef Environmental Changes	325	519
NanTroSEIZE Stage 3: Plate Boundary Deep Riser 1	326	603
Juan de Fuca hydrogeology II	327	545
Cascadia CORK	328	545
Seven Pacific Gyre Microbiology	329	662
Louisville Seamount Trail	330	636
DEEP HOT BIOSPHERE	331	601
NanTroSEIZE Stage 2: Riseless Observatory	332	603
NanTroSEIZE Stage 2: Subduction Inputs 2 and Heat Flow	333	600
Costa Rica Seamount Project (ORISP)	334	557
Superfast Spreading Rate Crust 4	335	567
Mid-Atlantic Ridge Microbiology	336	749
Shimokita Cold-Bed Biosphere	337	553
NanTroSEIZE Stage 3: Plate Boundary Deep Riser -2	338	544
Mediterranean Outflow	339	544

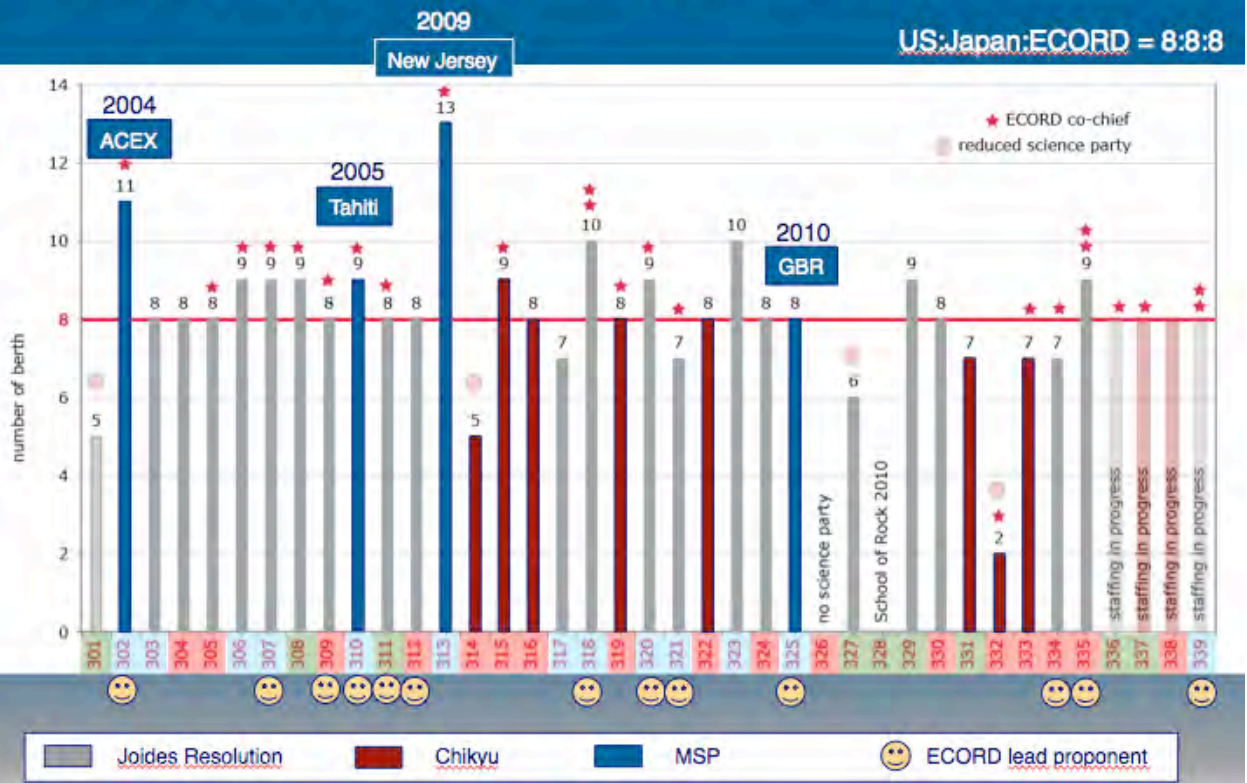
39 Expeditions



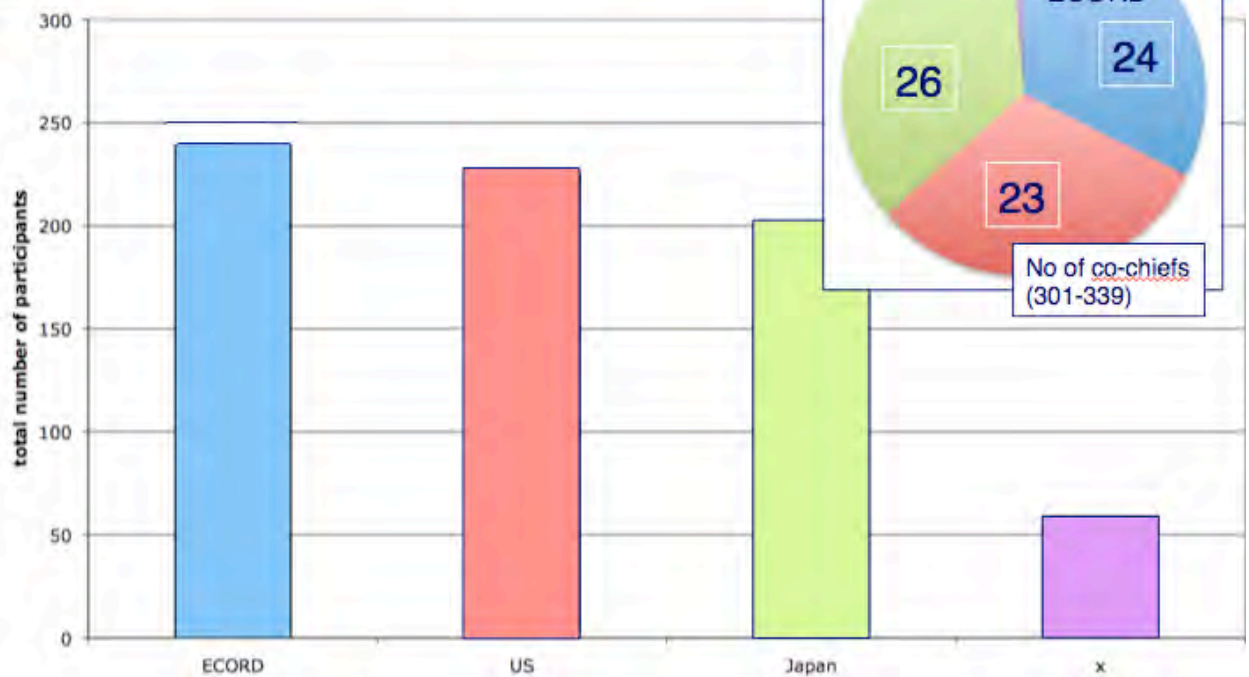
☺ 13 ECORD lead proponents (33%)

(based on 23 successful proposals, with 9 of them having ECORD lead proponents → 39% of the successful proposals)

Number of ECORD participants (Exp 301 – 335)

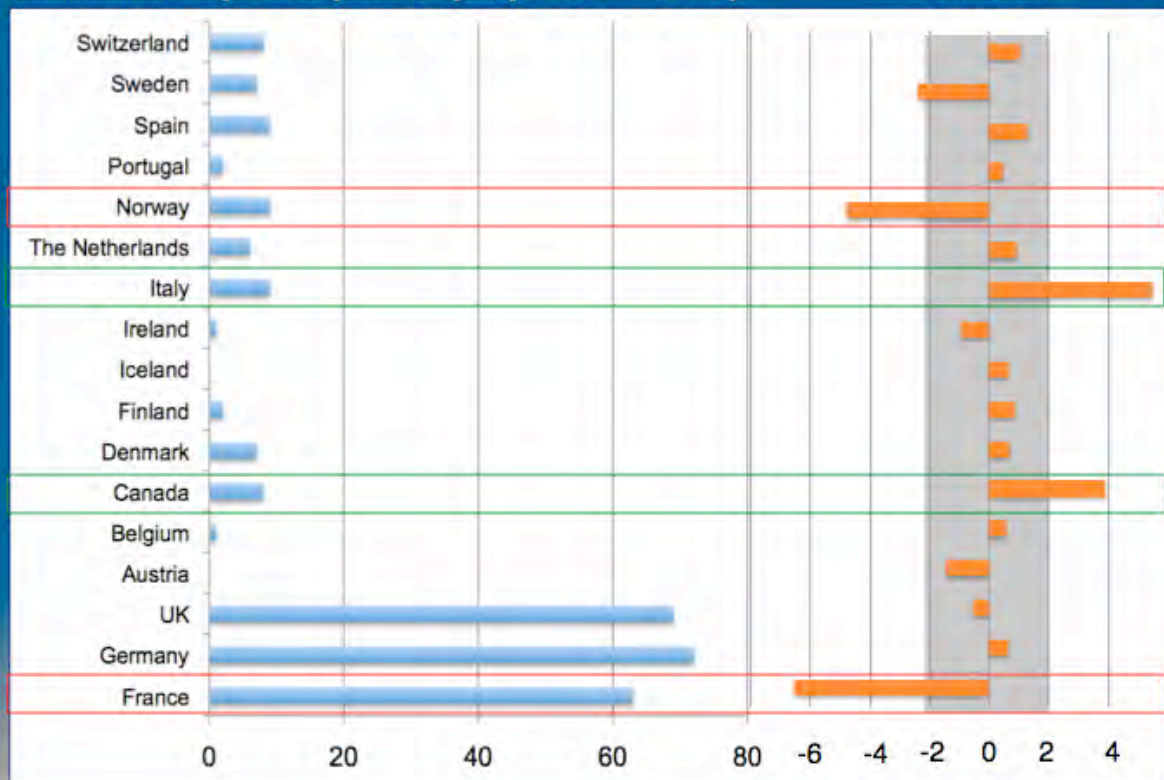


Number of participants (Exp 301 – 331)



Number of participants (Exp 301 – 335)

Quota

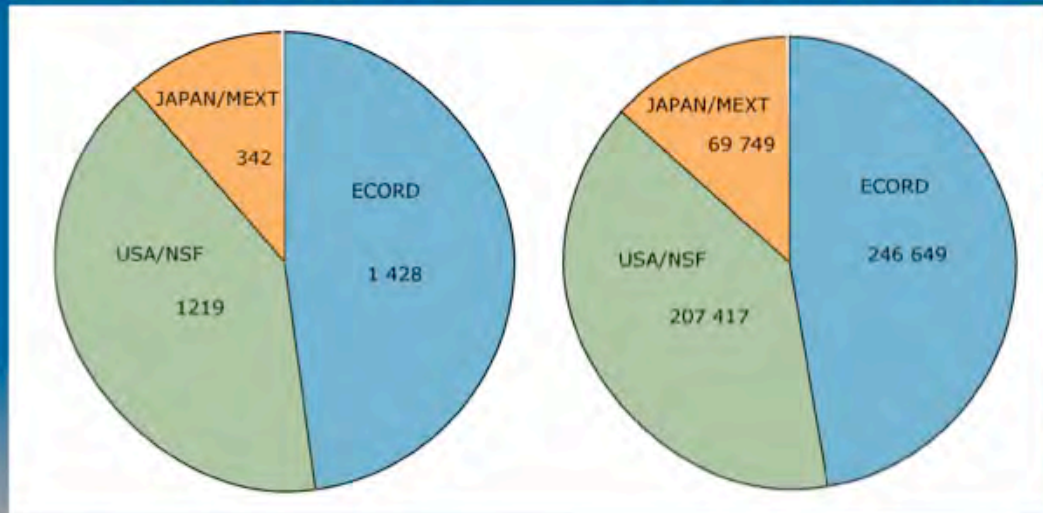


Post-cruise studies and publications

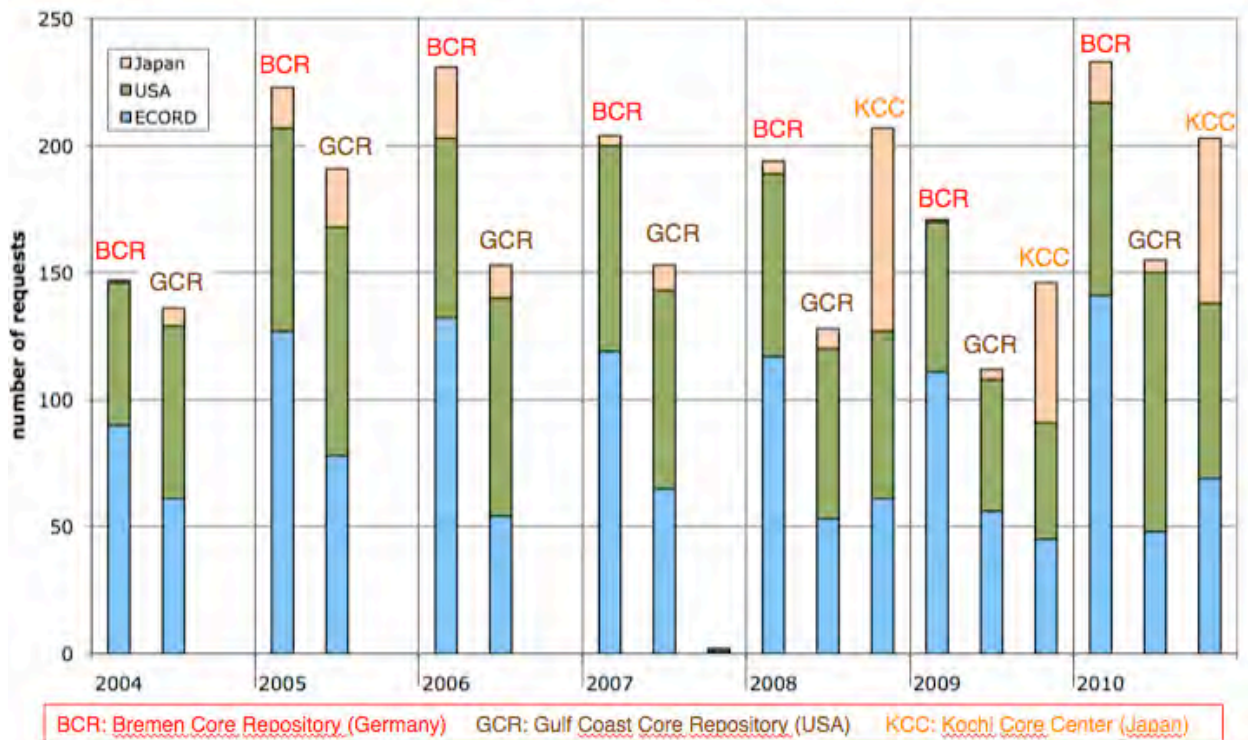
Total number of

Sample requests

Samples requested

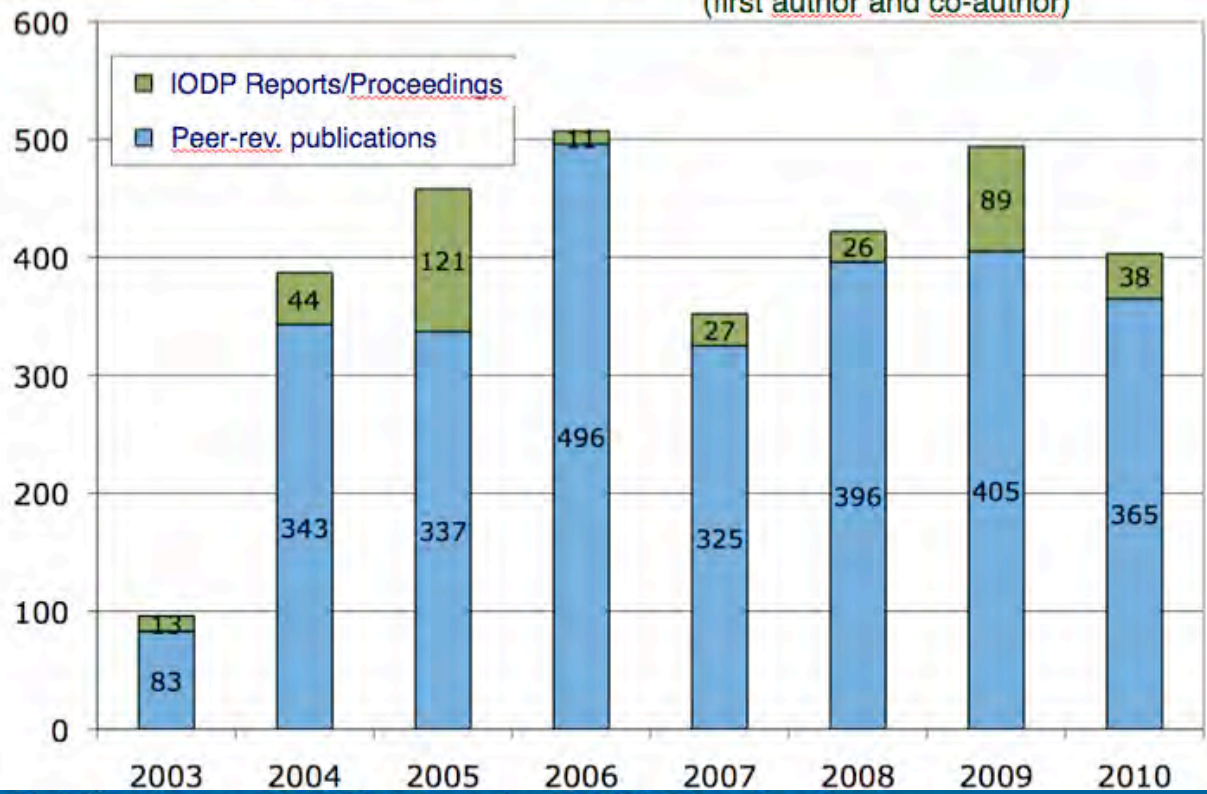


Post-cruise studies on IODP core material



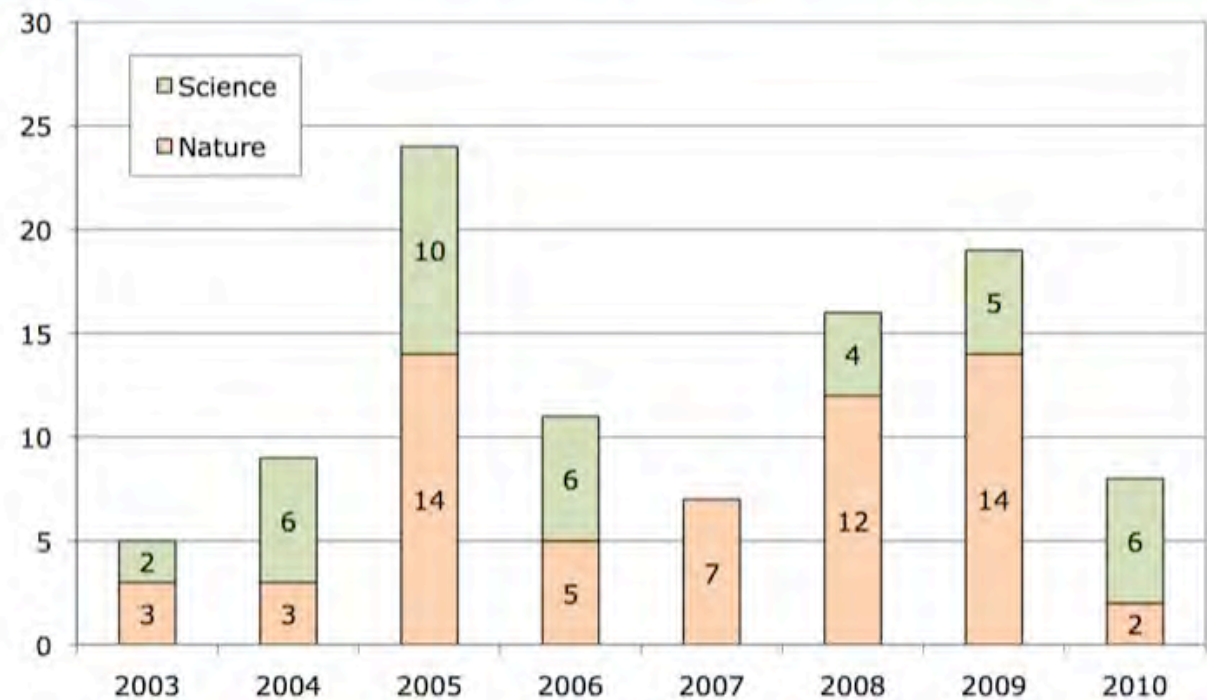
Publications of IODP data by ECORD scientists

(first author and co-author)

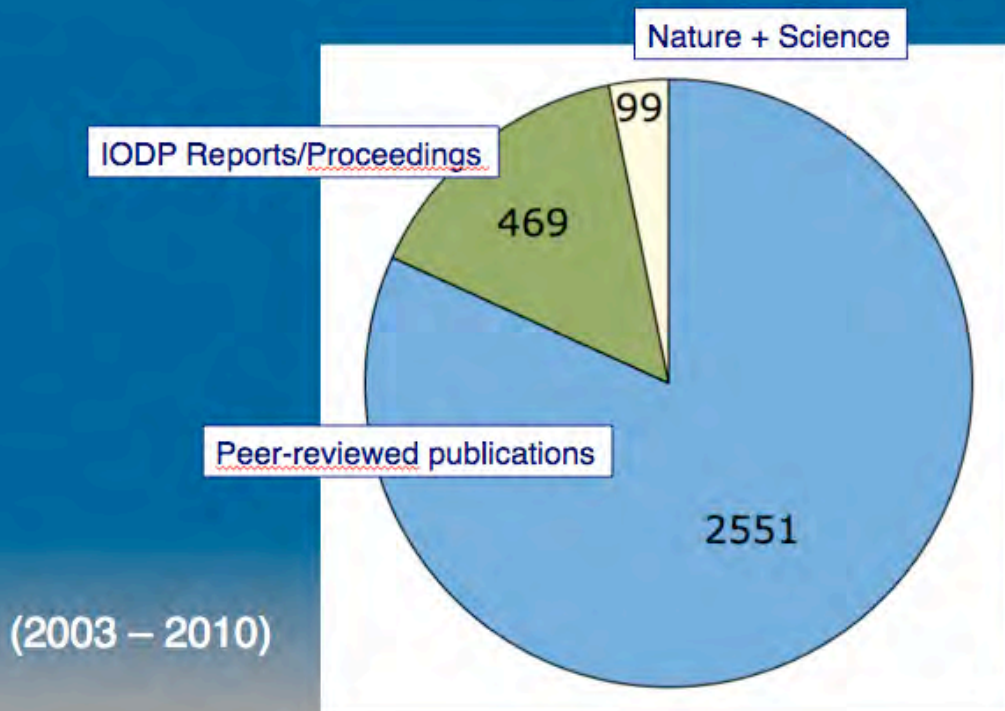


Publications of IODP data by ECORD scientists

ECORD Nature/Science publications (numbers per year)

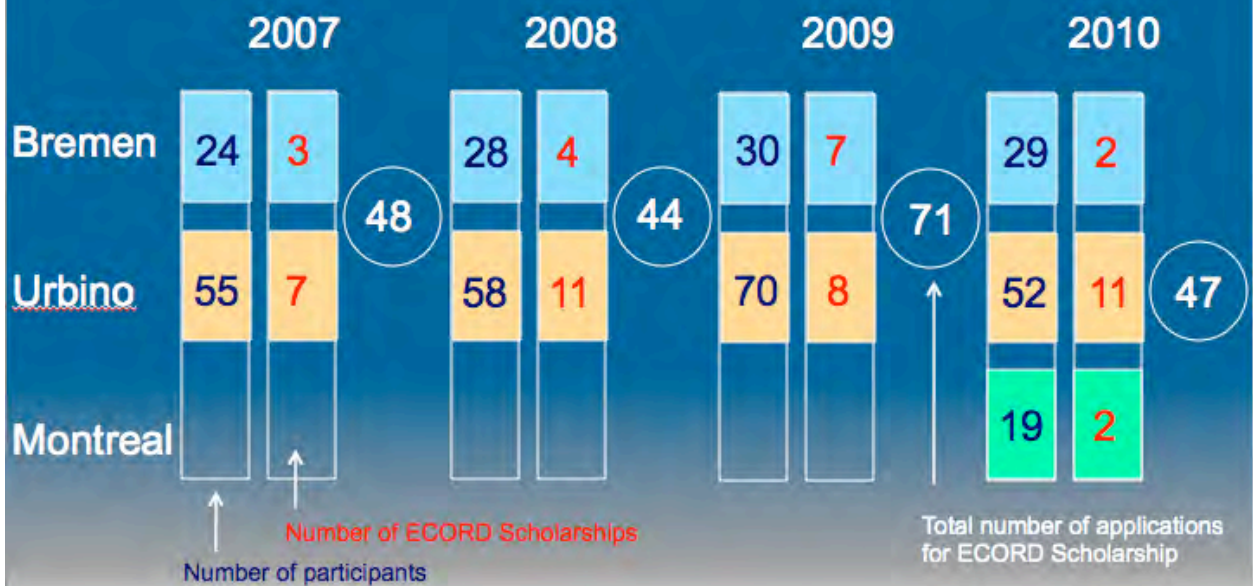


Publications of IODP data by ECORD scientists



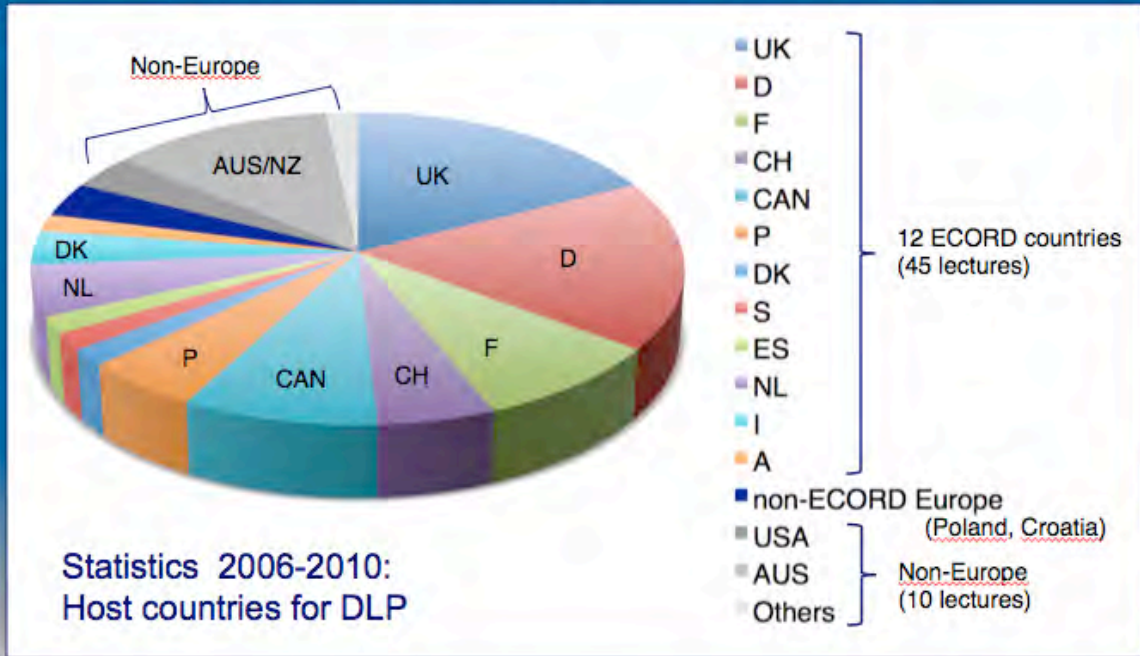
ECORD Summer Schools

... to train the new generation of scientists that will participate in marine science and ocean drilling.



ECORD Distinguished Lecturer Programme (DLP)

.... to bring the exciting scientific discoveries of IODP to the geosciences community in Europe and Canada



3.4 ESO

C. Mével reported about ESO.

ESO meeting - Montpellier, 9-10/5

POC budget available until the end: ~ US 13 M
 Main issue: what MSP project(s) will be implemented
 5 proposals at OTF, ready to go
 Chicxulub
 Hawaii drowned reefs
 Coralgal banks
 Baltic sea
 Atlantis massif
 No ranking, leave it to ESO to decide what to do
 Decision: continue with Chicxulub scoping
 Start scoping Baltic Sea and Atlantis Massif
 Aim implement Chicxulub or Baltic (costs, permitting, ...)
 and Atlantis Massif is funds are available

ECORD ILP news and preparation for Arctic drilling

ECORD ILP decided to focus on
 Arctic drilling
 - Identify objectives of common
 Interest that could result in joint initiatives
 Between academia and industry
 - Arctic brochure prepared to promote
 Scientific drilling towards industry

ECORD ILP membership		
<u>Hardman</u>	Richard	chair
<u>Thompson</u>	Mark	BP
Kuznir	Nick	University of Liverpool
Redman	Derek	Shell E&P (Europe)
Roberts	Alan	Badley Geoscience Ltd
Roberts	David	Royal Holloway/RGS Ltd
Stronach	Nick	Robertson <u>Research International</u>
Thomas	George	ExxonMobil International Ltd
Haile	Peter	Department of Trade and Industr
Walker	Ian	ConocoPhillips (UK) Ltd
Hooper	Robert	BHPBilliton
Auxiètre	Jean-Luc	Total Exploration & Production
Wagner	Tom	University of Newcastle
Lovell	Mike	<u>University of Leicester</u>

Plan to organize a workshop academia-industry
 The ECORD council recommended taking advantage of the 3P Arctic meeting instead of organizing a separate meeting
Richard Hardman, Bob Gatliff and Catherine Mével met in London, January 25, to discuss the organization

30/8-2/9 Halifax, Canada
 Chair of ILP/EMA/ESO contacted
 - Proponents of Arctic proposals
 - Industry
 to encourage to submit abstract for a dedicated session
 IODP-MI agreed to fund an IODP booth

Plan to organize an ECORD ILP meeting
 London, May 19th
 Not enough attendance from industry, the meeting was postponed
 A meeting will be organized in the fall, after the Halifax conference

At the scientific level, move to organize the collection of site survey data
A workshop is being organized:
“Arctic Ocean drilling and the site survey challenge”
 Naja Mikkelsen, Rüdiger Stein, Bernard Coakley
 Copenhagen, November 2011
Support from Magellan
The Aurora Borealis project is postponed after the recommendation in Germany to prioritise the replacement of the Polar Stern
 Possibly equipped with a moon pool - DP?
 As a consequence, the Aurora Borealis was removed from the ESFRI list (European Scientific Forum for Research Infrastructure)
 The EC funded project ERICON-AB continues until Feb 2012, but will be more generic and not focussed on the AB

3.5 ESO-EMA-ESSAC Meeting

P. Maruéjol reported about the ECORD Outreach Activities.

ECORD Outreach activities since November 2010?

- ❖ **EMA-ESO-ESSAC meeting**, Paris, February 14-15
- ❖ **New and updated ECORD Publications**
 - ✓ Scientific Drilling in the Arctic Ocean - Jan. 2011 (UK IODP and ECORD ILP)
 - ✓ ECORD Newsletter #16 - early April at EGU 2011
 - ✓ ECORD Folder with updated of NJSS and GBREC flyers
- ❖ **Presenting ECORD at international science meetings**

- ✓ EGU 2011, Vienna, April, 2-7
- ✓ AGU 2010 and OTC 2011 (IODP-MI)
- ❖ **Introducing ECORD/IODP to the classroom/general public**
 - ✓ Loan of core replicas to teachers (middle school to university)
 - ✓ Support to conferences (*e.g.* in Luxembourg)
 - ✓ New ECORD video - available on ecord.org
 - ✓ Press conferences at EGU 2011 (NSP and GBREC Exp.)

ECORD/IODP-ICDP at EGU 2011

- ❖ EGU 2011: "10,725 scientists - 28% students - from 96 countries
EGU 2010: "10,463 scientists (27% students) from 94 countries"
- ❖ Successful joint organisation between ECORD/IODP and ICDP
<http://www.ecord.org/pi/egu2011>
- ❖ **Joint IODP-ICDP Booth** (2-6 May 2011)
 - ✓ large booth (*funded by IODP-MI*)
 - ✓ Core scanner demonstrations given by ICDP
 - ✓ ECORD video released
 - ✓ Publications: NL#16, SD#9, Chikyu Hakken
 - ✓ 150 new subscriptions to *SD Journal*
 - ✓ Many teachers stop by the booth
- ❖ **Joint IODP-ICDP Townhall Meeting**
> about 250 participants
- ❖ **2 ECORD/IODP media conferences**
webcast at <http://www.egu-media.net>

ECORD Newsletter #16 - April 2011

- ❖ 20-page issue
- ❖ News from the ECORD Council, EMA, ESO, ESSAC and ECORD Outreach
- ❖ Reports of Magellan Series Workshop
- ❖ A Letter from Switzerland
(J. McKenzie and M. Kern-Lutsch)
- ❖ A versatile mini-CORK observatory
(A. Kopf)
- ❖ IODP Exp 310: an open window on the last deglaciation events (G. Camoin)
- ❖ Education: how core replicas help to teach science?
Paper copies available on request and electronic copies at
<http://www.ecord.org/pub/nl.html>

ECORD Outreach - Resources

- ❖ **Providing ECORD/IODP documents**
 - ✓ Brochures, publications for distribution
 - ✓ Wall posters for booths
 - ✓ Videos and photos
- ❖ **Designing ECORD/IODP flyers of national offices**
 - ✓ Canada and IODP
 - ✓ Ireland and IODP
- ❖ **Loaning 1 to 5 core replicas for classroom activities** (elementary school to undergraduate), **booths, museum exhibitions**
<http://www.ecord.org/pi/core-replicas.html>
 - ✓ PETM (ODP Leg 208 Walvis Ridge)
 - ✓ Arctic Coring Expedition (IODP 302)
 - ✓ Tahiti Sea-Level Expedition (IODP 310)
 - ✓ Oceanic crust (IODP 312)

- ✓ K/T Boundary (ODP Leg 171B Black Nose Paleooceanographic Transect)
<http://www.ecord.org/pi/promo.html>

Future ECORD Outreach - May to October 2011

- ❖ **Exhibit Booths:**
 - ✓ GAC-MAC, May 25-27, Ottawa (IODP-ICDP Canada),
 - ✓ Goldschmidt 2011, August 15-19, 2011, Prague (*funded by IODP-MI*)
 - ✓ 3P Arctic Conference, Aug. 30 - Sept. 1, 2011, Halifax (*funded by IODP-MI*)
 - ✓ GeoItalia 2011, Sept? 19-23, Torino (IODP-Italia)
+ ECORD documents/materials presented at JPGU (Tokyo), AOGS (Taipei)
- ❖ **ECORD Newsletter #17:**
 - Call for contributions - to be issued late June - early July 2011
 - Deadline for author's contributions: **September 8, 2011**
 - Identified topics:
 - ✓ A Letter from Norway
 - ✓ New Science Plan
 - ✓ Broadening the MSP concept (ESO)
- ❖ **Supporting ESO to archive MSP photos and create new photo galleries**
- ❖ **IODP web site renewal** as « external » member (P. Maruéjol)
- ❖ **New core replicas** (NJSS, NanTroSEIZE, GBREC?) in progress
- ❖ **Next ECORD Outreach meeting:** during Goldschmidt 2011
- ❖ **Next IODP outreach meeting:** September 27-28, Tokyo

3.4 ESSAC representatives and National Office reports

ESSAC delegates/representatives reported about their activities in their countries.

Belgium: A. Foubert and R. Swennen are happy to organize the ESSAC meeting; they already had a DLP-lecture in Ghent by D. Weis. R. Swennen will step back as ESSAC delegate, they are looking for new ESSAC representative (3 candidates)- for next ESSAC meeting, the new candidate will be announced.

France: As France is having national elections next year, no one knows about the participation of France within ECORD next year. There is also a new person in charge with geosciences in the CNRS. They plan a national meeting about IODP in the first half of 2012 as mixture of science and politics to be able to raise support from decision makers, hopefully to rise interest of young people. The problem is that "paleo"- people are quite active, but mainly for historical reasons they are more involved in IMAGES/Marion Dufresne (high resolution calypso cores). They try to solve and attract these people.

Switzerland: Switzerland presented major things already in the ECORD Newsletter "A letter from Switzerland". Lots of young scientists who sailed on IODP are doing well in science in making good use out of their experience. Switzerland has a successful proposal within the system. G. Frueh-Green is the official ESSAC delegate, J. McKenzie is ESSAC alternate.

Finland: Meeting of "Academia Finland" in spring, they are going to continue to support the program, they also tried to convince to rise the contribution. There is a new support group for IODP joint with ICDP; their first meeting will be in June. One finished PhD thesis, some more are still ongoing, one application for South Alaska Expedition, high interest in Baltic Sea Proposal, also one nomination as potential co-chief candidate.

The Netherlands: NL became a member of ICDO this year; created a new committee to merge between IODP and ICDP, also try to merge workshops. This year's national IODP meeting took place on Texel with about 50 participants; also M. Malone has been invited. The next SASEC meeting will take place in Amsterdam. By thinking about the new program, they already contacted the national science foundations.

Portugal: One Portuguese scientist sailed on CRISP; also the Mediterranean Outflow Expedition is a big issue (co-proponent, invited scientist to sail, shore based applications, outreach activities planned → port call). Received one ECORD research Grant; one DLP by H. Weissert in June.

Italy: They try to chill down the interest for people who want to apply (most students, no money). Italy has two funding institutes, but only one is paying the contribution. A change of the president in the Earth Change - Division: the new director is very enthusiastic, but no one knows what this means, since also the previous one was very enthusiastic. New delegate for ECORD: Marco Dacci.

UK: Just finished the ongoing review of IODP UK by the research council. The review has just being presented by executive board about three weeks ago. The national UK IODP meeting took place two weeks ago. Had a couple of workshops. Plan for next year: to use science meeting as student conference.

Austria: They had a successful presentation at the Austrian Science Foundation; two applications, unfortunately 337 has been postponed, one ongoing PhD thesis on IODP material.

Germany: There is a new geoscience board advising the Science Foundation, has an oversight function, working for 5 years, just started discussion about financial level of support (50% is save). Large amount of applicants for Lesser Antilles Expedition (many paleo). National IODP/ICDP meeting with 250 participants: Idea came up to invite Swiss and Austrian colleagues as well to the meeting. The funding for IODP Germany coordination at BGR is guaranteed.

Canada: Just put a call to find new representative of ESSAC, decision will be in 2 weeks. They still have 2 years of funding. They have lots of students who would like to sail. D. Weis is happy to represent ECORD as DL. The ECORD Summer School just applied for 2012, GAP in Ottawa with an IODP booth.

Denmark: A few Danish scientists sailed, M-S. Seidenkrantz's term for DK within the research council is over. The research community in marine science is very small, but has strong groups. Still annual struggle to get next years funding.

Spain: The Ministry of Science is happy that Spain is involved that much in Expedition 339; they try to have a port call: still keep communication, ports had been checked (but fuel problem), ministry will also check this and talk to port authorities. The decision will be made within the next weeks. Ministry is heavily involved and very exited, also very happy about the move of the ESSAC Office to Granada. One committee (IODP/ICDP) tries to reach the gap between these two communities; they try to have a joint meeting and a new joint web site. Within the framework of the ECORD statistics, they have been created a white paper. They try to advertise ECORD scholarships to students (successfully). C. Escutia is very well prepared for the new ESSAC Office, only some administrative problems, call for Science Communicator only within Spanish community.

Sweden: Still has negative quota, but they are hoping for the Baltic proposal. Lots of students and PhD students are working on IODP material. A DLP will take place in September.

4. ECORD highlight IODP Expedition 334 - CRISP.

P. Vannucci presented a report about the Costa Rica Seismogenesis Project.

5. Breakout sessions

The three ESSAC subcommittees met to discuss the topics on the agenda. The results are given in the respective items.

6. Nominations and Staffing

6.1.2 Expeditions

R. Stein gave an update about updates on expedition staffing of expeditions:

	Exp	ECORD	Fr	Ger	UK	CH	Sp	NL	Nor	It	Can	Den	Swe	Fin	Ire	Ice	Bel	Por	Aus
Juande Fuca	327	7 (+7t)	3(3)	-	3	-	-	-	-	2	2	1	-	-	-	-	-	-	-
SouthPac Gyre	329	18	3	6	6	-	-	-	1	-	-	1	-	-	1	-	-	-	-
Louisville	330	18	4	6	7	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Okinawa	331	10	1	4	3	-	-	-	-	-	1	-	-	-	-	-	-	1	-
NanTroSEIZE	332	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NantroSEIZE	333	11	3	4	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-
CRISP-A	334	15	3	8	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Superfast	335	22	6	5	9	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Mid-Atl.Microbio	336	16	3	6	1	-	-	-	1	3	-	1	-	-	-	1	-	-	-
Shimokita	337	13	1	7	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Med. Outflow	339	29/11	2/2	7	9/3	1	3/2	2	-	-	1	-	-	-	-	-	1	1/4	1
Lesser Antilles	340	25/1	6	7	9/1	-	2	-	-	-	1	-	-	-	-	-	-	-	-
S-Alaskan Marg	341																		
		teachers		shore-based															

335, Superfast:

STARS	Candidate	C	Expertise
First-priority list			
	Ildefonse	Benoit	F Co-chief
	Teagle	Damon	UK Co-chief
3,00	Banerjee	Neli	CND Inorganic Geochemist Petrologist Metamorphic Petrologist
3,00	Godard	Marguerite	F Inorganic Geochemist Petrologist
3,00	Koepke	Juergen	D Petrologist
2,83	MacLeod	Christopher	UK Structural Geologist Downhole Measurements
2,79	France	Lyderic	F Petrologist Metamorphic Petrologist Structural Geologist
2,79	Lissenberg	Johan	UK Petrologist
Alternates			
2,75	Williams	Helen	UK Inorganic Geochemist
2,67	Morris	Anthony	UK Paleomag
2,50	Strauss	Harald	D Inorganic Geochemist
2,43	Harris	Michelle	UK Inorganic Geochemist Petrologist Metamorphic Petrologist
2,33	McCaig	Andrew	UK
2,08	Salisbury	Matthew	CND
2,00	Abily	Benedicte	F Petrologist Structural Geologist
1,92	Pressling	Nicola	UK Geophysicist Paleomagnetist Structural Geologist
1,83	Morgan	Sally	UK Logging Scientist Metamorphic Petrologist Physical Properties Spec
1,83	von der Handt	Anette	D petrologist/geochemist
1,67	Faak	Kathrin	D Inorganic Geochemist Petrologist
1,50	Hoefig	Tobias	D Petrologist Metamorphic Petrologist
1,50	Violay	Marie	F Logging Scientist Physical Properties Specialist
1,17	Debret	Baptiste	F
	invited and onboard		declined

336, Mid-Atlantic Microbiology:

First-Priority list					
	Bach	Wolfgang	D	Co-chief (invited and accepted)	
2,86	Rouxel	Olivier	F	Petrologist Metamorphic Petrologist Inorganic Geochemist	Associate Scientist
2,71	Aloisi	Giovanni	F	Sedimentologist Inorganic Geochemist	Researcher
2,29	Schmidt-Schie	Friederike	D	Geophysicist Logging Scientist Physical Properties Specialist	PhD student
2,21	Leth Jorgensen	Steffen	N	Microbiologist	PhD student
2,00	Kaasalainen	Hanna	ICE	Inorganic Geochemist	PhD student
1,67	Pasini	Valerio	F	Microbiologist Geophysicist Petrologist Structural Geologist	PhD student
1,57	Rennie	Victoria	UK	Inorganic Geochemist	PhD student
Alternates					
3,00	Danovaro	Roberto	I	Biologist Microbiologist	Full Professor, Director
2,57	Orcutt	Beth	DK	Microbiologist Inorganic Geochemist Organic Geochemist	postdoc
2,67	Luna	Gian Marco	I	Biologist Microbiologist	post-doc researcher
2,43	Breuker	Anja	D	Geomicrobiology	Scientific employee
2,17	Scholz	Florian	D	Inorganic Geochemist	Postdoctoral researcher
1,80	Engelhardt	Tim	D	Microbiologist	PhD student
1,25	Adhikari	Rishi Ram	D	Microbiologist Inorganic Geochemist Organic Geochemist	PhD Student
1,17	Tangherlini	Michael	I	Biologist Microbiologist	PhD Student
invited so far		invited but declined		applied as shore-based scientist	
Short call with deadline Jan 16, 2011					
	Ferdelman	Tim	D	Biogeochemistry, Pore-water geochemistry	Senior scientist
	Wenk	Christine	CH	Biogeochemistry	PhD student
	Adhikari	Rishi Ram	D	Microbiologist Inorganic Geochemist Organic Geochemist	
	Adhikari submitted an addendum to original application				
Late replacements (April/May 2011)					
	Backert	Nicolas	F	Sedimentology	Postdoc
	Mesle	Margaux	F	Microbiology	PhD Student

339, Mediterranean Outflow:

STARS	Candidate		C	Expertise
First priority list (8 ECORD berths)				
	Stow	Dorrik	UK	Co-chief
	Hernandez-Molina	Javier	ES	Co-chief
3,00	Hodell	David	UK	Inorganic Geochemist Stratigraphic Correlator (PI of APL)
3,00	Lourens	Lucas	NL	Paleontologist (Foraminifer-Planktonic) Stratigraphic Correlator
3,00	Sanchez Goñi	Maria Fernanda	F	Palynologist
2,45	Ducassou	Emmanuelle	F	Sedimentologist Paleontologist (Foraminifer-Planktonic)
2,41	Bahr	André	D	Inorganic Geochemist Logging Scientist
2,27	Grunert	Patrick	A	Inorganic Geochemist Paleontologist (Foraminifer-Benthic) Paleoc
First-priority candidates if ECORD will get >8 berths (for priority see explanation in email)				
2,82	Rogerson	Mike	UK	Inorganic Geochemist Physical Properties Specialist Sedimentologist
2,68	Voelker	Antje	P	Sedimentologist Paleontologist (Foraminifer-Planktonic)
2,91	Sierro	Francisco	ES	Paleontologist (Foraminifer-Planktonic)
List of alternates (first priority)				
2,68	Wortmann	Ulrich	CND	Inorganic Geochemist
2,36	Alves	Tiago	UK	Geophysicist Physical Properties Specialist Sedimentologist
2,32	Martínez-Méndez	Gema	D	Sedimentologist Stratigraphic Correlator
2,27	Flecker	Rachel	UK	Sedimentologist Structural Geologist
2,23	Naafs	David	D	Organic Geochemist Sedimentologist
2,18	McClymont	Erin	UK	Organic geochemist
2,14	Van Rooij	David	B	Geophysicist Physical Properties Specialist Sedimentologist St
2,09	Khélifi	Nabil	D	Sedimentologist Paleontologist (Foraminifer-Benthic) Paleonto
2,09	Sosdian	Sindia	UK	Paleoceanography and Paleoclimatology; trace metal biogeo
List of alternates (second priority)				
2,00	Llave	Estefania	ES	Physical Properties Specialist Stratigraphic Correlator
1,95	Gennari	Giordana	CH	Paleontologist (Foraminifer-Benthic) Paleontologist (Foraminif
1,95	Groeneveld	Jeroen	D	Inorganic Geochemistry, Micropaleontology (foraminifera).
1,95	Vautravers	Maryline	UK	Paleontologist (Foraminifer-Planktonic)
1,82	Lever	Helen	UK	Sedimentologist
1,64	Brackenridge	Rachel	UK	Petroleum Geologist Sedimentologist
1,59	Frigola	Jaime	ES	Inorganic Geochemist Physical Properties Specialist Sediment
1,41	Raddatz	Jacek	D	Inorganic Geochemist Logging Scientist Sedimentologist Stru
1,36	Joseph	Nina Veronika	D	Paleontologist (Foraminifer-Benthic)
1,27	Konijnendijk	Tiuri	NL	
1,14	Rosenbrand	Esther	NL	Inorganic Geochemist

List of shore-based candidates					
based on 8 rankings SHORE-BASED					
3,00	Tzedakis	Chronis	UK	Palynologist	
2,75	Abrantes	Fatima	P	Paleontologist (Phytoplankton) Paleontologist (Diatom)	
2,75	Skinner	Luke	UK	Inorganic Geochemist Sedimentologist Paleontologist (Foraminifer)	
2,63	Eynaud	Frédérique	F	Paleontologist (Dinoflagellate) Paleontologist (Foraminifer)	
2,25	Lebreiro	Susana	ES	Sedimentologist	
2,25	Margari	Vasiliki	UK	Palynologist	
2,13	Naughton	Filipa	P	Paleoclimatologist and Palynologist	
2,13	Nebout	Nathalie	F	marine palynology	
2,13	Rodríguez-Tovar	Francisco	ES	Paleontologist (Megafossil)	
1,88	Rodrigues	Teresa	P	Organic Geochemist	
1,75	Salgueiro	Emilia	P	Paleontologist (Foraminifer-Planktonic)	

340, Lesser Antilles:

Candidate	C	Expertise
FULL PARTICIPATION		
Albero Vallés	Diego	ES Inorganic Geochemist Hydrologist Logging Scientist Petrologist Paleomagnetist Metamorph
Ballabriga	Marc	ES
Behrmann	Jan	D Physical Properties Specialist Structural Geologist
Boudon	Georges	F Petrologist Sedimentologist Structural Geologist
Breitkreuz	Christoph	D Petrologist Physical Properties Specialist Sedimentologist
Buret	Christophe	F Sedimentologist
Burkert	Cosima	D Sedimentologist
Crutchley	Gareth	D Geophysicist
Hart	Malcolm	UK Paleontologist (Foraminifer-Benthic) Paleontologist (Foraminifer-Planktonic) Str
Karstens	Jens	D Geophysicist
Kinviq	Helen	UK Sedimentologist
KOMOROWSKI	Jean-Christophe	F
Kutterolf	Steffen	D Inorganic Geochemist Petrologist Sedimentologist Stratigraphic Correlator
Lafuerza	Sara	F Physical Properties Specialist
Longpré	Marc-Antoine	CND Inorganic Geochemist Petrologist Stratigraphic Correlator Structural Geologist
Mahony	Sue	UK Petrologist Sedimentologist Stratigraphic Correlator Structural Geologist
Palmer	Martin	UK Inorganic Geochemist
Revillon	Sidonie	F Inorganic Geochemist Petrologist Sedimentologist
Schindlbeck	Julie	D Petrologist Sedimentologist Stratigraphic Correlator
Smith	Natasha	UK Inorganic Geochemist Logging Scientist Petrologist Physical Properties Specialist
Talling	Peter	UK Petroleum Geologist Logging Scientist Physical Properties Specialist Sedimentol
Urlaub	Morelia	UK Geophysicist Logging Scientist Physical Properties Specialist Sedimentologist
VILLEMANT	Benoit	F Inorganic Geochemist Petrologist
Wall-Palmer	Deborah	UK Biologist Paleontologist (Foraminifer-Benthic) Paleontologist (Foraminifer-Planktonic)
Watt	Sebastian	UK Geophysicist Sedimentologist Stratigraphic Correlator
SHORE-BASED		
Trofimovs	Jessica	UK Logging Scientist Sedimentologist Stratigraphic Correlator

Quota:

Exp 334	Exp 335	Exp 336	Exp 337	Exp 339	Exp 340	Exp 341	Total berths so far	Member	NEW Financial Contribn	NEW Entitlement	ALLOC	Co-chief
3	4	3	?	2			66	France	25,5%	72,4	-6,4	6
2	1	2	?	1			74	Germany	26,1%	74,0	0,0	5
2	4	1		2			71	UK	25,5%	72,4	-1,4	5
7	9	6	0	5			211	Sum	77,0%	218,8	-7,8	
				1			1	Austria	0,5%	1,5	-0,5	
							1	Belgium	0,2%	0,4	0,6	
							7	Canada	1,6%	4,6	2,4	1
		1					7	Denmark	2,1%	5,9	1,1	
							2	Finland	0,4%	1,1	0,9	
							0	Iceland	0,1%	0,3	-0,3	
							1	Ireland	0,7%	1,9	-0,9	
1							9	Italy	1,2%	3,4	5,6	1
				1			7	The Netherlands	1,8%	5,2	1,8	1
		1					9	Norway	5,0%	14,3	-5,3	
				1			3	Portugal	0,5%	1,5	1,5	
				2			11	Spain	2,9%	8,3	2,7	2
							7	Sweden	3,3%	9,3	-2,3	1
							8	Switzerland	2,5%	7,2	0,8	
1	0	2	0	5			73	Sum	23,0%	65,2	7,8	
8	9	8	0	10			284	Total ECORD		284	0,0	

6.1.3 Nomination of co-chiefs

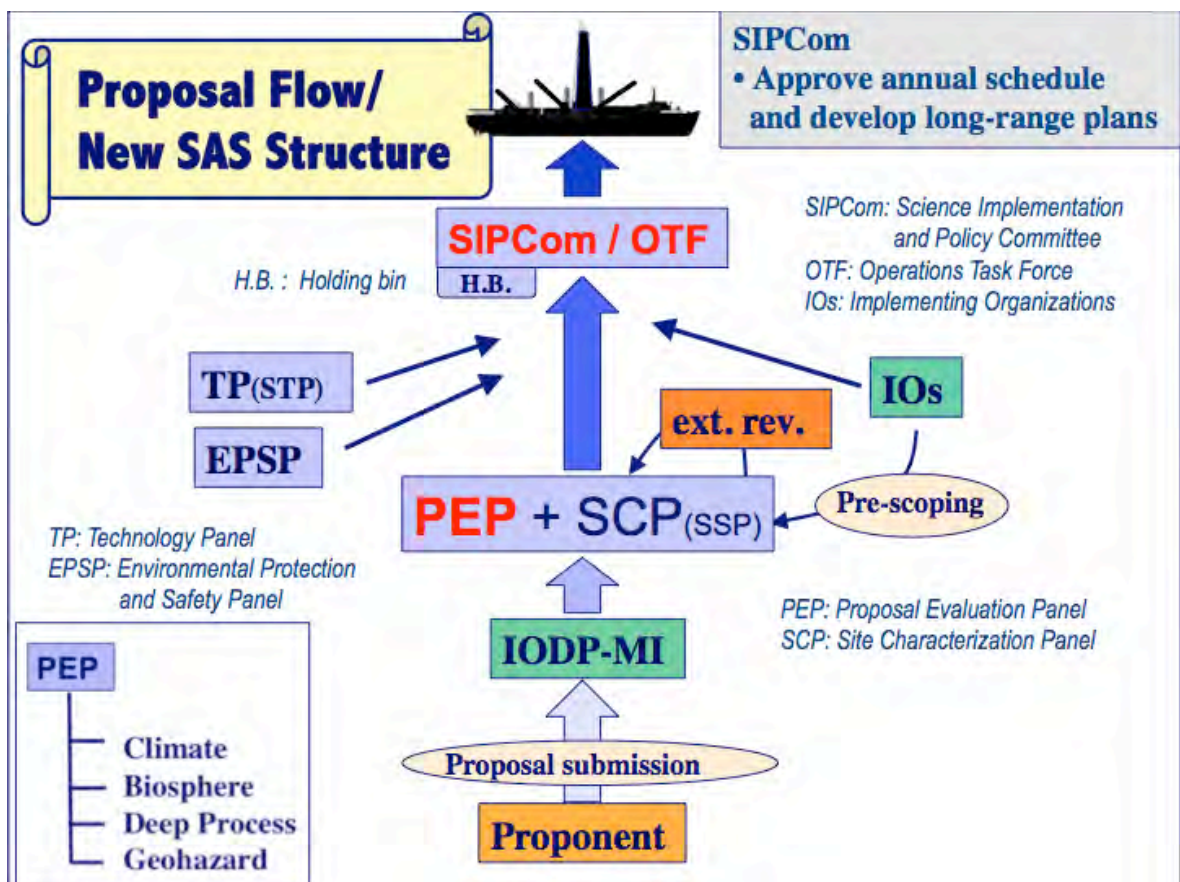
JR		
595-Full4	Peter Clift	UK
	Belen Alonso Martinez	Spain
	Catherine Kissel	France
	Dick Kroon	UK
	Mike Searle	UK
	Tim Henstock	UK
	Christoph Gaedicke	Germany
JR		
697-Full3	Julian Pearce	UK
	Rex Taylor	UK
	Tim Elliott	UK
MSP		
672-Full3	Thomas Andrén	Sweden
	Aarno Kotilainen	Finland
	Bo Barker Jørgensen	Denmark
	Dierk Hebbeln	Germany
	Lovisa Zillén	Sweden
	Martin Jakobsson	Sweden
	Matthias Moros	Germany
	Michael Böttcher	Germany
	Volkhard Spieß	Germany
MSP		
758-Full2	Gretchen Früh-Green	Switzerland
	Bramley Murton	UK
	Christopher MacLeod	UK
	Wolfgang Bach	Germany
	Javier Escartin	France
	Marguerite Godard	France

S. Berné asked if it is suggested to have more French participants at the Lesser Antilles Expedition? R. Stein agreed, that two more French scientists are needed, since there is a strong French influence (PI, co-chief). R. Stein added, that IF there will be the Baltic Sea Proposal, there could be the chance to have 2 ECORD co-chiefs. S. Berné asked, if it would make sense to contact possible co-chiefs before their possible nomination. This would result in more work on national level, but would be more productive for the program. R. Stein explained the procedure of „open process“ of nomination of possible co-chiefs.

6.2 Updates on SAS, NEW SAS

R. Stein presented information about the New SAS:
SAS Structure and ECORD Memberships

Population of SAS	NEW SAS						TOTAL; observers excluded
	SIPCOM	PEP	TP	SCP	EPSP	EDP ?	
USA	5	10	5	5	7	0	32
JAPAN	5	10	5	5	7	0	32
ECORD	3	8	4	4	4	0	23
Associate Members	1	0	0	0	0	0	1
PEP chair	1	0	0	0	0	0	1
ANZIC	0	1	1	1	0	0	3
KOREA	0	1	1	1			3
CHINA	0	1	1	1			3
INDIA	0	1	1	1		0	3
TOTAL	15	32	18	18	18	0	101



New SAS

- continue with the existing panel members in the new panels and follow the existing rotation plan (i.e., we will have the memory effect of the old panels, and before the beginning the new program most of the members will be replaced by young/new people).

ECORD Membership in New SAS

Science Advisory Structure Executive Committee (SASEC)			
Jan de Leeuw	Netherlands (- Jun 11)		
Damon Teagle ??	UK (- Jan 12)		
SIPCOM			
Science Planning Committee (SPC)			(3+1 ?????)
Javier Escartin	France (- Aug 13)	Ruediger Stein	Germany (- Aug 12)
Heiko Pälke ??	UK (- Aug 13)	Gretchen Früh-Green	Switzerland (- Aug 11)
Science Steering and Evaluation Panel (SSEP)		PEP	
*Henk Brinkhuis	Netherlands (- May 12)	*Daniele Brunelli	Italy (- Nov 10)
*John McLennan	UK (- May 12)	Dave Hodell	UK (- Nov 12)
Jürgen Koepke	Germany (- Nov 12)	Tim Ferdelman	Germany (- May 13)
*Serge Berné	France (- May 11)	*Julie Carlut	France (- Nov 11)
Site Survey Panel (SSP)		SCP	
Gilles Lericolais (c)	France (- Jul 13)	Peter Clift	UK (- Aug 13)
Gabi Uenzelmann	Germany (- Jul 12)	Roger Urgeles	Spain (- Jul 12)
Environment Protection and Safety Panel (EPSP)			
Martin Hovland	Norway (Sep 10 -)	Philippe Lapointe	France (Dec 06 -)
Bramley Murton	UK (Sep 10 -)	Dieter Strack	Germany (Dec 03 -)
Engineering Development Panel (EDP)		?????	
Mai-Lingh	France (- Jan 12)	Lothar Wohlgemuth	Germany (- Jan 12)
Maria Ask	Sweden (- Jan 12)	Neal Watson	UK (- Jan 13)
Scientific Technology Panel (STP)		TP	
Nathalie Vigier	France (- Feb 13)	*Marc Reichow	UK (- Aug 11)
*Sebastian Krastel	Germany (- Feb 11)	Douglas Schmitt vc	Canada (- Aug 12)

C. Mével added information about Board of Governors: ECORD has three members, 1 France, 1 UK, 1 Germany. Important here is that the chair of the Board of Governors usually rotates between US and Japan, but this year for the first time, the ECORD member will be chair of BOG: Gerold Wefer.

During the Breakout Session following points had been discussed within the N&S Subcommittee:

1. Nominations for new SAS panels

- EPSP, SSP, STP
 - Continuation of current members until the end of their term
- SIPCOM (3+1 or 4 to be negotiated)
 - 1 UK (to be filled)
 - 1 Germany (continuation of current member from the SASEC/SPC until end of term)
 - 1 France (continuation of current member from the SASEC/SPC until end of term)
 - 1 from the “small” countries (to be filled)
 - PEP
 - Continuation of current members from the SSEP/SPC until the end of their term
 - Call for two new candidates taking into consideration the balance of expertise:
 - Geohazards / slope failures

C. Mével also mentioned, to follow the “American solution” for the new SAS panels: keep experienced panel members on board until the end of their term.

ESSAC Consensus 1105-03: ESSAC agrees on ECORD SIPCom (Science Implementation and Policy Committee) members as follows (3+1 or 4 to be negotiated):
1 UK (to be filled)
1 Germany (continuation of current member from the SPC until end of term)
1 France (continuation of current member from the SPC until end of term)
1 from the “small” countries (to be filled) if four seats for ECORD possible

ESSAC Consensus 1105-04: ESSAC agrees on the continuation of current ECORD members in the EPSP, SSP and STP until the end of their term within the New SAS panels.

ESSAC Consensus 1105-05: ESSAC agrees on the continuation of current members from SSEP until the end of their term within the PEP (Proposal Evaluation Panel).

ESSAC Consensus 1105-06: ESSAC points out that the call for new candidates should take the balance of expertise into consideration. Especially, candidates with expertise on Geohazards / slope failures are needed.

> **ESSAC Action Item 1105-02:** The ESSAC Office will issue calls for nominations for the SAS panels in the new SAS: Technology Panel (TP) and Proposal Evaluation Panel (PEP).

2. JR schedule for FY2012/13 (“ESSAC Letter”)

- Letter to NSF (Dr. Rodey Batiza <rbatiza@nsf.gov>): Agreed! Next two days (email from Adam Klaus!)
 - Postponing EXP 341 (Alaska) will further restrict the expedition schedule for the final phase of the program due to the weather window. Hence, one of the main initial Science Plan objectives (“Golden Spikes”), reconstruction of the Asian-Indian monsoon, will not be met, because highly prioritized proposals such as the Bengal and Indus fan will not fit in a new schedule.
 - JR is the only drilling vessel of IODP at the moment. Cutting its operational

time will jeopardize negotiations of all member countries with their funding agencies for the future of this international program.

- *More ship time loss will cause a significant reduction of technical expertise.*
- ...

After discussions about the content and phrasing of the letter, R. Stein concluded that he will put all this information into a revised letter and forward this to all participants that day in the afternoon. He is going to send out that letter to R. Batiza in the name of all ESSAC delegates on Friday morning.

ESSAC Consensus 1105-02: ESSAC agrees to send out a letter of concern to NSF related to JR schedule for FY2012/2013.

> **ESSAC Action Item 1105-01:** ESSAC will prepare a letter of concern during the meeting. ESSAC Chair will send out this letter to NSF within the next days.

The Final Phase (FY 12/13)
What are the “Golden Spikes” of the ISP??

- Monsoons (DPG's recommendations; 549, 605,...; not achieved yet)
- Microbiology (South Pac Gyre, Mid-Atlantic Microbiology, Fuca,...)
- Crustal structure and geochemistry (slow/fast spreading crust; pretty good done)
- Sea-level (New Jersey, Canterbury, Tahiti, GBR, ...)
- Extreme climates (303, 306, PEAT, Wilkesland; Newfoundland drift?)
- Continental break-up (not done yet)
- Tectonics and climates (poor job until now; Alaska, Arabian upwelling Bengal fan, ...)

additional:
Hominin/climate evolution
Geohazard (lesser Antilles, Nice-Landslide, ...)
Arctic
Chixculub

(G. Fillipelli, SPC Chair)
OTF Meeting, Tokyo April 26-28, 2010

7. Education and outreach

7.1 ECORD Summer Schools 2011(updates)

L. Lourens gave an update about the Urbino Summer School in Paleoclimatology. In 2011, for the first time, the summer school will take place in the city centre of Urbino; accommodation is there as well. This will save time compared to last years. From 100 applications 74 are confirmed, but it is expected that 10-15 people will withdraw their application due to missing scholarships. The USSP will take place in July/August 2011.

Further information is given on: <http://www.urbinosp.it/>.

J. Lezius gave an update of the ECORD Bremen Summer School on Subseafloor Fluid Flow and Gas Hydrates. This Summer School will take place in September 2011. They received 24 applications from 9 countries. Further information is given on: <http://www.marum.de/Page10870.html>.

> **ESSAC Action Item 1105-03:** ESSAC Office will contact organizers of the Urbino Summer School in Paleoclimatology (USSP) and ask them to involve more ECORD lecturers (e.g. from France or Spain) in order to make the USSP more attractive for students from other/these countries.

> **ESSAC Action Item 1105-04:** ESSAC Office will adjust the questionnaire about Summer Schools

ESSAC Consensus 1105-07: ESSAC agrees on the new questionnaire about ECORD Summer Schools.

7.2 ECORD Scholarships 2011, Workshops & Summer Schools and ECORD Grants

J. Lezius reported about ECORD Scholarships and ECORD Research Grants 2011.

With an “Urgent” Call, ESSAC Office issued a Call for Scholarships to attend an IODP workshop at December 23, 2010 with a deadline of January 13. The workshop “Engaging Early Career Scientists in Future Scientific Ocean Drilling” took place at Texas A&M University from March 30 to April 1, 2011. ESSAC Office received 11 valid applications from 7 ECORD countries (5D, 2CND, 1B, 1CH, 1N, 1NL, 1UK). 5 young scientists have been chosen by Email discussion within the ESSAC E&O Subcom to receive the ECORD Scholarship with a maximum amount of 1300€.

ESSAC Office issued a Call for ECORD Scholarships to attend an ECORD Summer School and a Call for ECORD Research Grants with deadline May 25. J. Lezius remembered the ESSAC Delegates about the application procedure for ECORD Grants and Scholarships with a detailed mini-proposal (Grants)/Letter of Interest (Scholarships), a CV (template downloadable on ESSAC website) and a Letter of Support (template downloadable on ESSAC website). The ESSAC Office received a total of 14 valid applications for an ECORD Research Grant from 5 ECORD countries (8UK, 2S, 2D, 1NL, 1I). The ESSAC Office received a total of 50 valid applications for an ECORD Scholarship from 14 countries, one from Russia, one from Brazil. 9 applications to attend Bremen Summer School, 41 applications to attend USSP.

M. Wagreeich had presented results of the ranking of applications for ECORD Research Grants and ECORD Scholarships after the discussion in the Education & Outreach Subcommittee.

ESSAC Consensus 1105-11: ESSAC approves 14 awardees of ECORD Scholarships 2011: UK: 4, D: 2, F: 2, B: 1, CND: 1, ES: 1, N: 1, NL: 1, Brazil: 1; USSP: 11, Bremen: 3.

ESSAC Consensus 1105-12: ESSAC agrees to forward a list of candidates (taken from the list of remaining ECORD Scholarship applications) to H. Pälke, chairman of the ESF-Earthtime Program, for selecting four ESF-Earthtime Scholarships.

ESSAC Consensus 1105-13: ESSAC approves 5 awardees of the ECORD Research Grant 2011: UK: 2, D: 1, S: 1, NL: 1.

7.3 ECORD Summer Schools 2012

ESSAC Office issued a Call to host a Summer School 2012 with deadline May 2011. J. Lezius presented the three received proposals: 1) ECORD - Urbino Summer School in Paleoclimatology 2012, 2) ECORD Summer School 2012 in Bremen on “Submarine Landslides, Earthquakes and Tsunamis” and 3) ECORD/IODP Canada Summer School 2012 on “Impacts of the cryosphere dynamics from land to ocean”.

After the discussion in the Education & Outreach Committee, M. Wagreeich presented a model to support all three Summer Schools. Discussions within ESSAC resulted in the ESSAC Consensus 1105-08 to 1105-10.

A questionnaire form had been discussed in the E&O Subcom. L. Lourens commented that

this form should be sent out to all attendees of the ECORD Summer Schools. R. Stein added, that organizers have to agree on this (ESSAC also do not have names and contact details of all attendees). E. Arnold countered, that ESSAC should not interfere in this, since Summer School Organizers are reasonable to ask for their evaluation and should put it in the report they have to provide to ESSAC. R. Stein commented that it would make sense to receive some feedback from these students who are supported by ECORD. L. Lourens added that the questions should be more IODP-related. He also commented, that ESSAC should ask all participants if they should have been able to attend the summer school without a scholarship - not only the 15 awardees. R. Stein underlined that this has to be done by the organizers. E. Arnold summarized that the need of a questionnaire with these topics (IODP related questions, dependence of scholarships etc) should be put into the Call for applications to host an ECORD Summer School. Everyone agreed to split the funding amount for ECORD Summer Schools into 3 equal parts for all three applications to host an ECORD Summer School. Mentioned by J. Lezius, A. Delacour proposed to organize an ECORD Summer School on serpentinization processes of mantle peridotites in 2013, C. Mével added that this school could be also held in Bremen. R. Stein agreed as it would be possible to have other organizers for the ECORD Summer School in Bremen. L. Lourens mentioned that the USSP is twice as large as the other summer schools, and asked if it would be an advantage to split the ECORD support related to numbers of participating students. C. Mével countered, that the USSP attracts also non-ECORD students. R. Stein added, that USSP also receives money from other sponsors and that more students for USSP are funded than for the other ECORD Summer Schools. R. James countered that this is depending on the quality of applications, not on the summer school. L. Lourens underlined his point to support USSP with more money than other ECORD Summer Schools, thus not to split the budget into 3 equal parts. Additionally, the USSP requested 20000€, the others requested only 12000€. S. Berné agreed that ESSAC should be more adaptive. J. Erbacher added that ESSAC should think about rising the budget for this, i.e. rise the budget for summer schools and decrease amount for scholarships. J. Erbacher underlined that it would be an option to ask at the ECORD Council to increase the budget for 2012. L. Lourens rised the question about how to rank the scholarships: it costs a huge amount of time, but the results are minimal (sometimes only 0,0022 points difference). C. Escutia asked if delegates could help in contacting the professors of applicants.

E. Arnold came up with the idea to directly give the money for the scholarships to the summer schools. Then, the organizers of the summer schools should choose who will receive the scholarship. This should be done with requirements by ESSAC, but organization should be done directly by summer schools. M. Wagreich added that there might be an imbalance in the schools. E. Arnold and L. Lourens countered that this should be done by percentage of numbers of students (average over the last years). R. Stein added, with this way, the Bremen summer school would be the winner, because until now, nearly all scholarships went to USSP. Discussions resulted in Action Item 1105-05.

A. Voelker explained the situation of the port call for Expedition 338. C. Mével offered that EMA will offer financial support, and asked if it will be necessary to fly someone to the port call on the Azores. She emphasized that it is an European port, no matter if it will be Lisbon or Cadiz, everyone should try to bring people from their Ministry etc to that port call. P. Maruéjol asked about the education and outreach berth(s) on this expedition. R. Stein gave the information from A. Klaus, that there will be two berths for observers available.

<p>ESSAC Consensus 1105-08: ESSAC approves that in 2012 three ECORD Summer Schools will be granted: the ECORD Bremen Summer School 2012 on “Submarine Landslides, Earthquakes and Tsunamis”, the ECORD IODP-Canada Summer School on “Impacts of the cryosphere dynamics from land to ocean” and the Urbino Summer School in Paleoclimatology 2012.</p>

ESSAC Consensus 1105-09: ESSAC agrees to raise the amount of financial support for the Urbino Summer School in Paleoclimatology 2012 compared to the other two ECORD Summer Schools 2012 due to higher costs and higher amount of participants. The difference should be covered by the left-over amount of the ECORD Research Grant budget (1050€).

ESSAC Consensus 1105-10: ESSAC decides that the ECORD Bremen Summer School 2012 on “Submarine Landslides, Earthquakes and Tsunamis” and the ECORD IODP-Canada Summer School on “Impacts of the cryosphere dynamics from land to ocean” will be supported with 7000 €. The Urbino Summer School in Paleoclimatology 2012 will be supported with 8050€.

> **ESSAC Action Item 1105-05:** ESSAC Office will send out a message to ESSAC delegates about a possible solution for future handling with ECORD Scholarships.

7.4 ECORD Distinguished Lecturer Programme

J. Lezius gave an update of the current new DLP 2010/1012 with all presentations given by respective lecturers. Details are available here: <http://www.essac.ecord.org/index.php?mod=education&page=dlp>.

J. Lezius remembered that the Call to Host an ECORD DLP is open for the entire duration of the DLP: June 2012.

8. ECORD highlights: examples of the 2010/2012 DLP series

D. Weis presented her DL-lecture: What do we know about mantle plumes and what more can we learn by IODP drilling?

9. Workshops, communication and Vision

9.2 G. Ceuleneer reported about the workshop: Geological carbon capture & storage in mafic and ultramafic rocks: Role of oceanic and continental scientific drilling

9.3 J. Erbacher presented an update report of the ESF Magellan Programme.

• **Recent workshops:**

Title: Geological carbon capture & storage in mafic and ultramafic rocks: Role of oceanic and continental scientific drilling, **Dates:** 08 - 12/01/2011, **Location:** Muscat (Sultanate of Oman) **Convenor:** M Godard (FR) co-funded by IODP, ICDP and industry.

Title: Real-time Amphibic Monitoring & Borehole Observatories (RAMBO), **Dates:** 14 - 16/10/2010, **Location:** Bremen (Germany) **Convenor:** A Kopf (D)

• **Next Workshop:**

Title: Arctic Ocean drilling and the site survey challenge, **Dates:** 01 - 03/11/2011, **Location:** Copenhagen, **Convenor:** N Mikkelsen (DK)

• **Travel grants funded**

For EGU 2011 (IODP related sessions): 6 applicants were funded, 2 from Spain, 2 from Germany and 1 from Denmark.

Future - Planning a succession

- 17. to 20. August in Burkheim, Germany and 17. to 18. January in Strasbourg, France
- Planning of a new programme to fund workshops related to the planning of scientific drilling proposals (for ECORD, IMAGES, and ICDP)

- Agreement to propose a new programme
- **For scientific drilling in general**
- ESF - RNP if possible
- „Steering group“: Luc Lourens, Marit Seidenkrantz and Ales Spicak
- New name: **Magellan Plus**
- But the future of ESF and their RNP is not clear. **Currently (May 10th) it seems there will be no ESF anymore.....**
- ESF suggested to apply at the COST programme of the EU/ESF
- Aim: stimulate and nurture development of new and innovative science proposals to support European leadership in the planning of marine drilling expeditions and execute European proposals for use of drilling platforms
- *Earth's Surface Environmental Change; Deep Biosphere & Sub-Seafloor Ocean; Solid Earth Cycles & Geodynamics*
- Managed by a Steering Committee, representing participating Funding Agencies. ~ **90k€/year**

Option to save the MagellanPlus idea

- For a total of approx. 60 k€ we could organize MagellanPlus
- 50k€ from ECORD, 10k€ from ICDP
- IODP Germany offers to organize MagellanPlus (calls, proposal handling, SC decisions, propaganda, etc.) DFG agreed!
- ESSAC or EMA could collect and distribute funding.
- SC could be slim and consist of ESSAC (4 fifths) and ICDP (1 fifth) delegates.
- This interim solution should be able to carry us through the next 2 years.

C. Mével added, that the Magellan Program is funded by ESF, but actually the program is funded by countries that give money to the ESF. So it will not be easy to collect it and keep it and give it to another place/program! It is a powerful program that is very cheap. She explained that if one take money out of the ECORD budget, it means taking money away from MSPs. But C. Mével will present it to ECORD Council. However, she suggested, that another possibility would be to take money from EMA. J. Erbacher added that it appeared from time to time that workshops did not used the entire 20000€.

9.4 R. Stein briefly presented a report about the Interdivision Session: Major achievements and perspectives in scientific ocean and continental drilling at EGU 2011

CL4.17/SSP1.2

Major achievements and perspectives in scientific ocean and continental drilling

Convener: Ruediger Stein

Co-Conveners: Ulrich Harms, Ursula Roehl

Since 1968, scientific ocean drilling is recovering unique global geological records preserved in marine sedimentary deposits and basement rocks. These records obtained within the Deep Sea Drilling Project (DSDP), the Ocean Drilling Program (ODP), and the Integrated Ocean Drilling Program (IODP) have been key for major advances in our understanding of our planet, including paleoclimate, paleoceanography, deep biosphere and crustal dynamics and tectonic processes. Global continental efforts are coordinated within the International Continental Scientific Drilling Program (ICDP). Funding and support for research projects is provided to tackle challenging geo-scientific themes of socio-economic relevance such as paleoclimate, earthquakes and volcanism, or unconventional energy resources.

The principal goals of this session are to summarize and review major scientific achievements in ocean and continental drilling with special emphasis on the European contributions to IODP and ICDP. Furthermore, perspectives and visions for

drilling projects using a multi-platform approach will be tackled.

CL4.17/SSP1.5

Oral Programme: 6 Talks

Poster Programme: 13 Posters

11. Next meetings

D. Hardy gave an update for the meeting ESSAC #17, October 2011, Dublin, Ireland. ESSAC Office will fix the dates by a doodle questionnaire within the next 10 days.

M.-S. Seidenkrantz gave an overview about the ESSACM meeting #18 in Aarhus, with suggestions of dates (May 29- June 1, 2012) and information about the field trip.

12. Any Other Business

In the name of ESSAC, A. Voelker thanked the ESSAC Office AWI Bremerhaven, R. Stein and J. Lezius, for their work as chair of ESSAC and ESSAC Science Coordinator.