



**ESSAC Meeting # 6**  
May 24-26, 2016  
Faro, Portugal

**MINUTES**





**Tuesday 24 May 2015, 14:00 – 19:00**

**Coffee Break: ca. 16:00 – 16:30**

## **1. Introduction**

### **1.1. Call to order, introductions (J. Behrmann)**

J. Behrmann welcomes everybody to the ESSAC Council meeting, and proposes a round of self-introduction, since a number of new participants are attending the meeting.

It was noted that enough delegates are present to have a quorum for consensus statements and action items.

### **1.2. Welcome and meeting logistics (C. Pires/A. Voelker)**

Cristina Veiga-Pires gives some technical information regarding the Dinner, Fieldtrip information, logistics in the hotel, taxi, etc.

### **1.3. Discussion and approval of the (1) agenda and (2) minutes of ESSAC Naples meeting 2015 (J. Behrmann)**

J. Behrmann asks for comments on the Agenda – no alterations are required

Consensus Item 1605-1	The Agenda of ESSAC Council Meeting #6 in Faro, Portugal is approved by the Delegates
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J. Behrmann asks for comments on the Minutes of the ESSAC #5 Meeting in Naples. No alterations or comments were requested by the delegates.

Consensus Item 1605-2	The Delegates approve the Minutes of the Naples ESSAC Council Meeting #5.
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### **1.4. Review of action items since the ESSAC Naples meeting (J. Behrmann)**

J. Behrmann presents Action Items from the ESSAC Meeting #5 in Naples:

**ESSAC Action Item 1510-01:** The ESSAC office will specify the rules of shore-based scientists in the Expedition Calls and/or application form to sail. **DONE**

**ESSAC Action Item 1510-02:** The ESSAC office will try to find information about drill holes for Expeditions 367 and 368. If the information is found, it will be added to the ESSAC webpage and Expedition Call reminders. **DONE**

**ESSAC Action Item 1510-03:** ESSAC suggests increasing the maximum amount to award ECORD Research Grants applicants. ESSAC proposes a minimum of 3000 Euros, instead of 2000 Euros per awarded student. It will mean awarding less individual research grants but



providing more funds for individual applicants to guarantee the quality of the research and make the award more competitive and more significant. **DONE**

**ESSAC Action Item 1510-04:** The ESSAC office will circulate a draft of the ECORD Research Grants call, taking into account the above action item 1510-03 and consensus 1510-05 to get the input of all ESSAC delegates. **DONE**

*There was also some discussion about the timing of evaluation: Should we evaluate the grants by email early in the year. Although no consensus was reached, the delegates showed a positive response about this approach. This is something to re-consider when the ESSAC office circulates the draft of the call. **DONE (too late).***

**J. Behrmann proposes that the Research Grant will be ranked in this meeting (DONE)**

**ESSAC Action Item 1510-05:** The ESSAC office will ask the ESSAC delegates to initiate the evaluation for research grant applications earlier in the year via email. This action will allow avoiding the payment of Grants in the following fiscal year, as much as possible. **DONE**

**ESSAC Action Item 1510-06:** The ESSAC office shall issue the call for ECORD Distinguished Lecturer 2016/2017 applications in January 2016. **DONE**

**Due to the late release of the call, the number of nominations and self-nominations is to small for a successful program. The call will be extended to 1 July, and the decision will be taken by email. (In Progress)**

**ESSAC Action Item 1510-07:** The ESSAC office shall issue the calls for ECORD Grants 2016, ECORD Summer Schools 2016 and a call to Host Summer Schools 2017 in December 2015 and/or January 2016. **DONE**

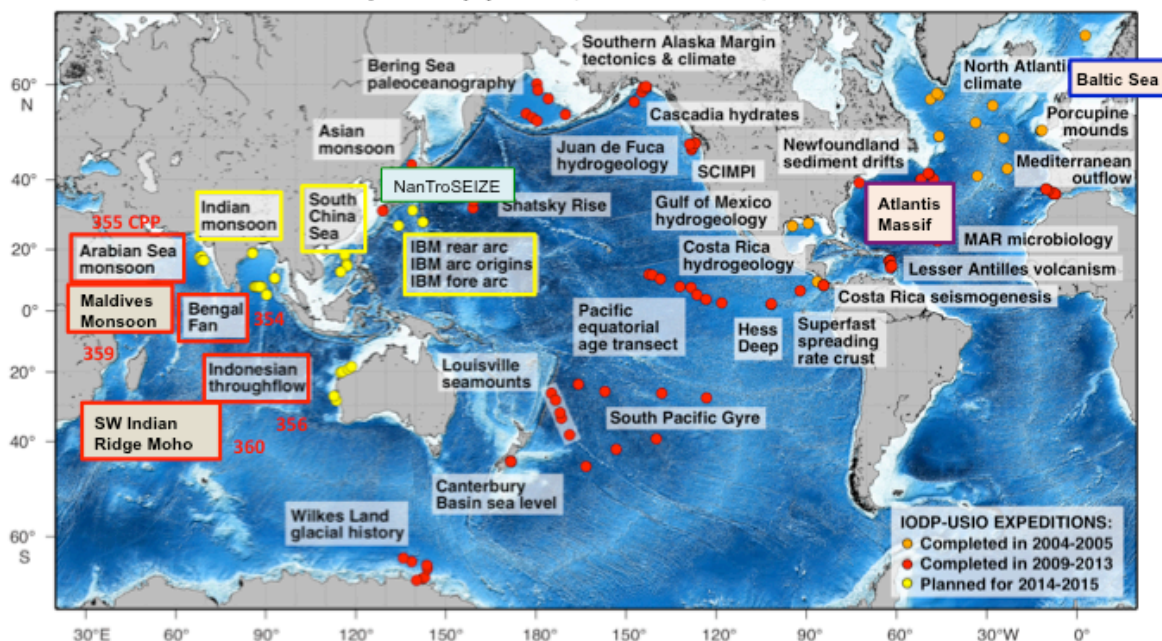
**ESSAC Action Item 1510-08:** ESSAC suggests increasing the ECORD Research Grants budget item to 18.000 Euros, instead of 15.000 Euros (follow-up of ESSAC Action Item 1510-03). The ESSAC office will communicate this recommendation to the upcoming ESSAC Chair, Jan Behrmann. **DONE**

## **2. IODP – Platform Operator Updates (30 minutes)**

### **2.1. IODP Update (J. Behrmann)**

J. Behrmann gives a more general IODP update, showing a map with the Expeditions currently under way, and future expeditions. The JR is tied up in Capetown, was supposed to host ICDP cores and scientist from the Oman Drilling, however this was not realized.

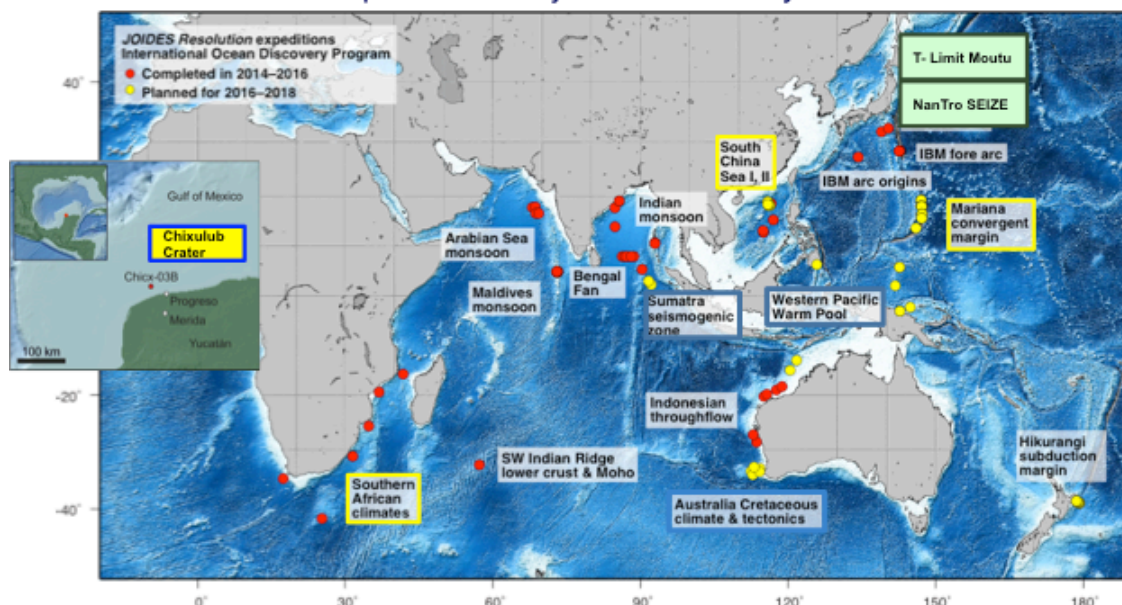




- JR Expeditions 2014
- JR Expeditions 2015
- Chikyū Expeditions 2013-2014
- MSP Expeditions 2013
- MSP Expeditions 2015

## Current and upcoming IODP Expeditions

Expeditions subject to availability of funds.



- JR Expeditions 2015
- JR Expeditions 2016
- JR Expeditions 2017
- Chikyū Expeditions 2016
- MSP Expeditions 2016



## **Expedition 361: Southern African Climates (30 January - 31 March 2016)**

(Expedition successfully finished, report published)

**Co-chief Scientists:** [Ian Hall](#) (UK) and [Sidney Hemming](#)

### **Senior Scientists:**

BARKER, Stephen (UK)	Stratigraphic Correlator
GRUETZNER, Jens (Germany)	Physical Properties

### **Post-Docs & Early Career Scientists:**

CALEY, Thibaut (France)	Sedimentologist
CRESPIN, Julien (France)	Sedimentologist
KOUTSODENDRIS, Andreas (Germany)	Sedimentologist
JUST, Janna (Germany)	Paleomagnetist
SIMON, Margit (UK)	Benthic Foraminifer

### **PhD Students:**

VAN DER LUBBE, Jeroen (Netherlands)	Sedimentologist
TANGUNAN, Deborah (Germany)	Nannofossil Micropaleontologist <b>Special Call</b>

## **Chikyu Expedition 365: NanTroSEIZE Shallow Megasplay LTBMS**

**26 March - 27 April 2016**

The plug was recovered from a borehole in the Nankai Trough and a Long Term Monitoring system deployed after deepening the hole.

**Co-Chief Scientists:** [Achim Kopf](#) (Germany) & [Demian Saffer](#)

### **Master Student:**

RÖSNER, Alexander (Germany)

## **MSP Expedition 364: Chicxulub Impact Crater (April-May 2016)**

(It is a very successful expedition and has drilled beyond 1200 mbsf. There is lots of response in the media.)

**Co-Chief Scientists:** [Joanna Morgan](#) (UK) and [Sean Gulick](#)

### **Senior Scientists:**

CLAEYS, Philippe (Belgium)	Impact Petrology	Onshore
COCKELL, Charles (UK)	Microbiologist	Onshore & Offshore
OSINSKE, Gordon (Canada)	Microbiologist	Onshore
RILLER, Ulrich (Germany)	Structural Geology	Onshore
GEBHARDT, Catalina (Germany)	Physical Properties	Onshore
OCAMPO-TORRES, Rubén (France)	Organic Geochemistry	Onshore
SMIT, Jan (The Netherlands)	Paleontology	Onshore & Offshore

### **Post-Docs & Early Career Scientists:**

FERRIÉRE, Ludovic (Austria)	Impact Petrology	Onshore
POELCHAU, Michael H. (Germany)	Structural Geology	Onshore & Offshore

### **PhD Students:**

PICKERSGIL, Annemarie E. (UK)	Inorganic Geochemistry	Onshore
ZYLBERMAN, William (France)	Paleomagnetism	Onshore
CHENOT, Elise (France)	Inorganic Geochemistry	Onshore



AURIOL, Rae (UK)

Geophysics and logging

Onshore & Offshore

### **Expedition 362: Sumatra Seismogenic Zone (31 July - 30 September 2016)**

(The scientific background is seismogenesis, tsunamigenesis, and forearc development. Shifting of the sites had to be done, because of lacking permits from Indonesia.)

**Co-chief Scientists:** [Lisa McNeill](#) (UK) & [Brandon Dugan](#)

**Senior Scientists:**

PICKERING, Kevin (UK)	Core description/Sedimentologist
VANNUCCHI, Paola (UK) <i>invite</i>	Structural Geology
KUTTEROLF, Steffen (Germany)	Core description/Structural Geologist
HENSTOCK, Tim (UK)	Core-Log-Seismic Integr./Geophysicist
BACKMAN, Jan (Sweden)	Nannofossil Micropaleontologist
BOURLANGE, Sylvain (France)	Petrophysicist-Physical Properties

**Post-Docs & Early Career Scientists:**

POUDEROUX, Hugo (France)	Sedimentologist
HÜPERS, Andre (Germany)	Inorganic Geochemist

**PhD Students:**

MITCHISON, Freya (UK)	Diatom Specialist	<i>Special Call</i>
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### **Future Expeditions:**

#### **Expedition 363: Western Pacific Warm Pool (6 October - 8 December 2016)**

**Co-Chief Scientists:** [Yair Rosenthal](#) & [Ann Holbourn](#) (Germany)

**Senior Scientists:**

BAYON, Germain (France)	Geochemist
BEAUFORT, Luc (France)	Micropaleontologist – Nannofossils
DUNKLEY-Jones, Tom (UK)	Micropaleontologist – Nannofossils
PEARSON, Paul (UK)	Micropaleontologist – Foraminifer

**Post-Docs & Early Career Scientists:**

DRURY, Anna (Germany)	Physical Properties
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**PhD Students:**

MEININCKE, Niklas (Norway)	Sedimentologist
POOLE, Christopher (UK)	Micropaleontologist – Foraminifer
SCHMITT, Anais (France) <i>Invite</i>	Downhole Measurements/Physical Properties

#### **Expedition 366: Mariana Convergent Margin (8 December 2016 - 7 February 2017)**

**Co-Chief Scientists:** [Patricia Fryer](#) and [Geoffrey Wheat](#)

**Senior Scientists:**

MAGALHAES, Victor-Hugo (Portugal)	Physical Properties
KURZ, Walter (Austria)	Petrologist (igneous/metamorphic)

**Post-Docs & Early Career Scientists:**

MENZIES, Catriona (UK)	Geochemist, Inorganic
SISSMANN, Olivier (France)	Geochemist, Organic
WALTER, Bastien (France)	Physical Properties

**PhD Students:**

ALBERS, Elmar (Germany)	Petrologist (igneous)
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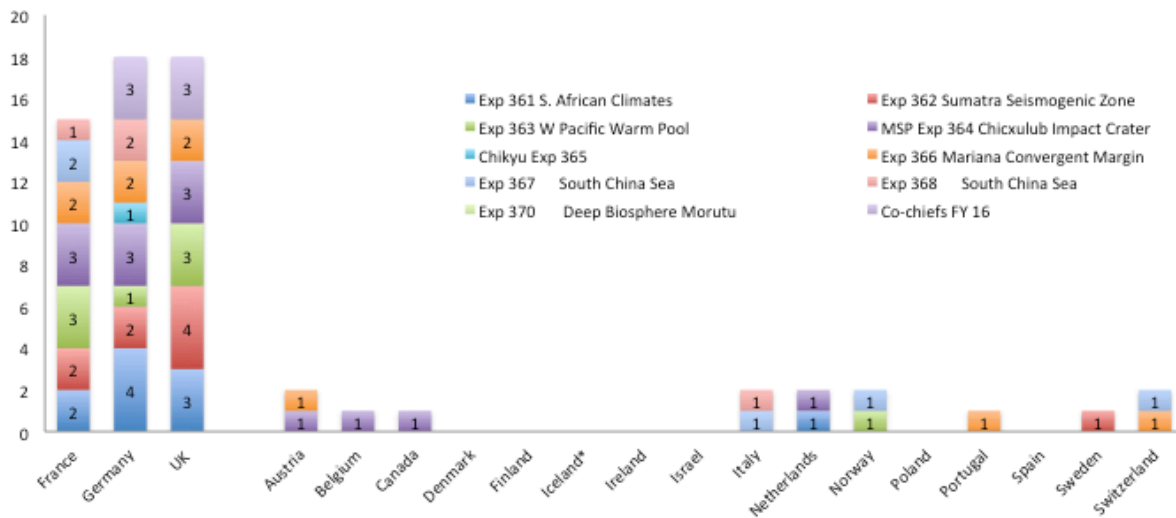
DEBRET, Baptiste (UK)  
EICKENBUSCH, Philip (Switzerland)  
MENAPACE, Walter (Germany)

Petrologist (metamorphic)  
Microbiologist  
Physical Properties

**Expedition 367/368 – South China Sea Rifted Margin.** The two-leg expedition is based on a CPP with China. Staffing is in progress, there was a special call released (**DONE**). The Special call has been finished and the staffing is under way.

Since this expedition is a CPP the money invested by China will bring financial benefit to FY18 Budget of IODP.

**Exp. Participants Exp. 361 to 370 (Including Co-chiefs and Sp. Calls)**



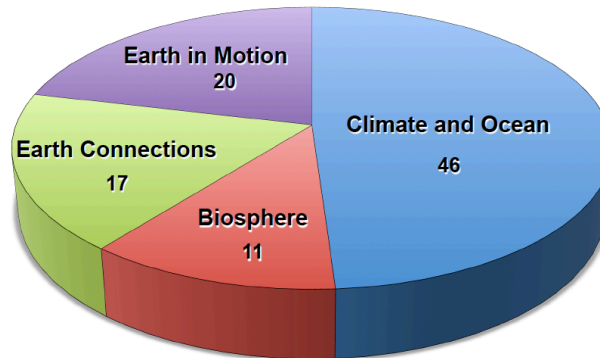
Currently there are 104 active proposals and the biggest theme is still Climate and Oceans, but the other themes of the science plan are increasing significantly. Most proposals are located in the Pacific Ocean, but pressure from Atlantic Ocean proposals is growing.

The Proposals in the themes Climate and Oceans and Subseafloor have a very good distribution in SEP and FB. The “Hardrock” proposals are not so well represented. Earthquake and Submarine Hazard proposals are more prominent since they address the issue of societal challenges.





**Active proposals: 94  
by science plan themes**



As of 2 February 2016  
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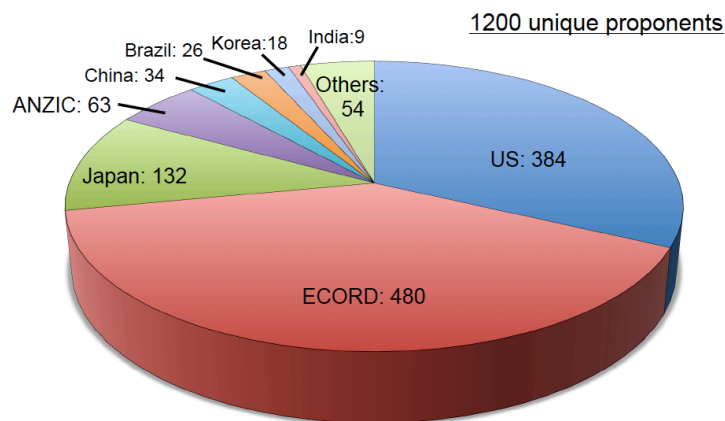
**Active proposals by review stage:**

The proposal distribution by member affiliation show, that ECORD and US are almost even, which is a very strong sign from Europe.

Active Proposals still rely heavily on the use of JR (68), and there is very strong interest by Europeans to do staffing etc.

G. Camoin informs the Council, that the guidelines for submitting proposals will be changed and a limit of 20 proponents will be introduced, since a lot of proposals have too many people involved.

**Active proponent distribution**



As of 12 February 2016  
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**IODP FORUM:**

J. Behrmann reads out the Forum Consensus 15-03 :

**Forum Consensus 15-03:** As the ~2018-2019 mid-term renewal of the IODP approaches, the Forum recommends the preparation of 1-2 page, summaries of recent expedition-based achievements vs. further opportunities for each of the 14 challenges of the IODP Science Plan.





These summaries should be written in a style that is appropriate to target funding managers, non-specialists and the general public. If possible, these summaries should be produced in time to be distributed in 2017 to all national and consortium members engaged in IODP-renewal processes.

Possible mechanisms to produce these summaries might are:

a) <1 day meetings of Co-Chief scientists and outside experts, in association with major conferences such as AGU, EGU, or JpGU,

(b) synthesis mini-workshops (not more than ~ 6-10 participants) for major IODP efforts, such as the multi-expedition investigation of the Asian and Indian Ocean monsoons.

The Forum strongly supports efforts by national and consortium IODP offices to consider providing appropriate levels of financial support for these efforts, to take place over the next 12-18 months.

Craig Fulthorpe (UTIG, Texas – Co-Chief Exp. #356 NW Australia) was nominated by J. Austin. Craig will also be coordinating the Co-Chief review of JRSO over the past year as part of the U.S. facility review that NSF plans to conduct in College Station in February 2017.

J. Behrmann suggests that this will be converted into an ESSAC Consensus Item.

In the following discussion it was stressed, that more readable synthesis documents for funding agencies and general public (e.g. The Monsoon, Hard Rocks, etc.) are needed (G.Camoin). J. Behrmann will contact all ECORD Co-Chiefs (13) in order to request documents, describing how the expeditions met the 14 challenges of the IODP Science Plan. G. Camoin pointed out that these documents are also needed for the renewal process of the program. Therefore he suggested that experts from outside the program must be identified, that review those documents and provide recommendations for adjustment of the remaining period of the program based on the evaluation of the achievements made so far.

A. Morris remarks, that the writing would be unproblematic, but the coordination of meetings afterwards will be critical. I. Snowball therefore asked about the funding of those meetings. J. Camoin mentioned the Budget of the Meeting has yet to be defined.

M. Ziegler raises the question in which language the documents will be written, since they address national stakeholders and general public. It is suggested by K. Husum, that the National Offices take care of translations if needed.

J. Behrmann proposes to form an ad-hoc Committee, chaired by him, with the participation of G. Camoin, M.S. Seidenkrantz and A. Morris. G.Camoin suggests that a member of the Outreach Group is represented as well.

<p>Consensus Item 1605-3</p>	<p>The Delegates agree to form an ad-hoc committee to work out and send a guideline for two-page summary documents to the ECORD co-chiefs of all expeditions under the current program. This committee will receive these summaries from the co-chiefs. Furthermore the committee will seek advice and guidance from external colleagues representing the four main topics of IODP in an attempt to compile a summary document for the use of ECORD and other IODP partners. Members of that ad-hoc committee are J. Behrmann, Gilbert Camoin, Anthony Morris, Marit-</p>
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	Solveig Seidenkrantz, and Patricia Maruejol.
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## 2.2. ECORD Vision Task Force

Jan Behrmann and Gilbert Camoin briefly inform about the present activity of the ECORD Vision Task Force – which at present is considered to be identical with the ECORD Executive, and discuss the potential role in support of renewal processes for Member Countries within ECORD

## 2.3. JR Facility Board Report

J. Behrmann and G. Camoin reported on the JRFB Meeting held in Arlington VA, USA 17<sup>th</sup>-18<sup>th</sup> May. Major points discussed were the New Drilling Proposals (12 new, 5 revisions).

Expeditions 364+365 are getting very wide airplay and do enhance the visibility of the program. Generally IODP is viewed by NSF to be in strong shape. Possibilities were discussed regarding the funding of IODP-related site surveys. G. Camoin announced that there will be a fifth JR expedition in 2017 because of the good budget situation. On the JRFB meeting a proposal was made to NSF to operate JR outside IODP for shallow coring. This is a potential competitor to MSP concept.

FY 2018 Expedition Schedule sees the JR operate around Australia (the schedule was not yet officially communicated at the time of this discussion) and the Antarctic. Antarctic expeditions will have to be restricted to one per Antarctic Summer because of weather window constraints.

FY 2019: The JR will likely move into the South Atlantic, and in further years continue operations in the North Atlantic and surrounding seas.

Implications for the long term cruise track: Most proposals for the Atlantic are at pre-proposal stage, which means that they need up to 36 months to mature. Thus, good proposals should be submitted now to fill the gaps in the Atlantic.

G. Camoin explained the future Partner Budgets: ECORD might be asked to increase their contribution to the JR from 7 million to 9 million USD in an attempt of the US to ask for a significant increase of contributions from the partners.

## 2.4. Chikyu IODP Board Report (G. Camoin)

G. Camoin gives a report on the CIB starting with an overview on the current Chikyu IODP



proposals. There are currently 9 proposals at the CIB and 7 proposals at the SEP. 3 proposals have been deactivated.

**At CIB:**

Number	Type	Short Title	Lead Proponent	Affiliation	Platform
537	CDP7	Costa Rica Seismogenesis Project Overview	von Huene	USA	Chikyu+JR
537B	Full4	Costa Rica Seismogenesis Project Phase B	Ranero	ECORD: Germany	Chikyu
603	CDP3	NanTroSEIZE Overview	Kimura	Japan	Chikyu
603C	Full	NanTroSEIZE Phase 3: Plate Interface	Tobin	Japan	Chikyu
603D	Full2	NanTroSEIZE Observatories	Screaton	USA	NR-Chikyu
698	Full3	Izu-Bonin-Mariana Arc Middle Crust	Tatsumi	Japan	Chikyu
781	MDP	Hikurangi subduction margin	Wallace	ANZIC: New Zealand	Chikyu+JR
781B	Full	Hikurangi: Riser	Wallace	USA	Chikyu
865	Full	Nankai Trough Temperature Limit	Hinrichs	ECORD: Germany	NR-Chikyu

**At SEP:**

707	CDP3	Kanto Asperity Project: Overview	Kobayashi	Japan	JR+Chikyu	
805	MDP	MoHole to the Mantle	Umino	Japan	Chikyu	
835	Full2	Japan Trench Tsunamigenesis	Kodaira	Japan	NR-Chikyu	Ext Rev
857	MDP2	DREAM: Mediterranean Salt Giant	Camerlenghi	ECORD: Italy	Chikyu+JR	
871	CPP	Lord Howe Rise Crustal Evolution	Heap	ANZIC: Australia	Chikyu	REVISE
876	Pre	Bend-Fault Serpentinization	Phipps Morgan	ECORD: UK	JR+Chikyu	
886	Pre	NW Pacific Bend-Fault Hydrology	Morishita	Japan	Chikyu	

**Deactivations since last CIB:**

857A	pre	DREAM: Deep-Surface Connection	Rabineau		
880	APL2	Experiment: Drilling parameters for Lithology	Moe	Resubmit after workshop	
782	Pre	Kanto Asperity Project: Plate Boundary Deformation	Yamamoto	Dormant	

The decline of governmental funding in Japan and the resulting decrease of the JAMSTEC budget over the last years resulted in a lack of expeditions. The small contributions by the member states and the lack of commercial drilling are a problem, since the costs of a Chikyu Riser expeditions are very high. As a result „cheaper“ Riserless Expeditions have been funded (Expedition 365: NanTroSEIZE & Expedition 370: T- Limits off Moruto). Both Expeditions have an ECORD Co-Chief, and there are eight berths for ECORD scientists on Expedition 370. Due to the funding problems there will be no riser expeditions unless it is a CPP.

### 3. ECORD News

#### 3.1. EMA and ECORD Council Report (G. Camoin)

G. Camoin gives an overview of the ECORD News. There have been changes to the members of the ECORD Council as well as to the Chair of the Council (M. Friberg, Sweden),



### ECORD Council Delegates

Country	Funding Agency	Delegate / Alternate
Austria	ÖAW	Bernhard Plunger
Belgium	FWO	Jean-Pierre Henriet / David Van Rooij
Canada	NSERC	Anne De Vernal / Kathryn Gillis
Denmark (Core group)	FNU	Anders Kjaer / Marit-Solveig Seidenkrantz
Finland	AF	Hanna Pikkarainen
France (Vice-chair)	INSU-CNRS	Michel Diament / Mireille Perrin
Germany (Core group)	DFG	Guido Lueniger
Ireland	GSI	Koen Verbruggen / Xavier Monteys
Israel	MERCI	Zvi Ben Avraham / Eliana Dan
Italy	CNR	Marco Sacchi / Laura De Santis
Netherlands	NWO	Bernard Westerop / Marc de Jonge
Norway	NFR	Heidi Roggen
Poland	PGI-NRI	Wojciech Brochwicz-Lewiński
Portugal	FCT	Luis Menezes Pinheiro / Rita Silva Carvalho
Spain	MINECO	
Sweden (Chair)	VR	Magnus Friberg
Switzerland	SNF	Martina Kern-Luetschg
United Kingdom (Core group)	NERC	Michael Webb / Jessica Surma

The ECORD Facility Board has two new members S. Gallagher (Australia), F. Inagaki (Japan)

#### ECORD MEETINGS:

The next **ECORD/ESSAC Meeting #4** will be held **October 26-27, 2016** in Bremen, Germany. G. Camoin emphasizes that all members come together and discuss everything on the program, for which ESSAC input is crucially needed.

**ECORD FB Meeting** June 15-16, 2016 in Brussels.

**ECORD COUNCIL Meeting** in Berlin, Germany June 1, 2016.

**ECORD-ILP Meeting:** the last one was held in 2014 and participation of the Industry was pretty low.

**ECORD Outreach & Education Task Force Meetings:** One Meeting was held in Bremen (January 26-27, 2016), the fall meeting will take place in Edinburgh (October 6-7, 2016).

#### Membership:

ECORD currently has 18 Member Countries, Newcomers: – negotiation with Turkey under way, discussions with Russia look promising.

#### Timeline:

- ECORD Evaluation Committee (**EEC**) will be appointed in January 2017.





The EEC should consist of 6-10 Members high standing scientists, specialists of sub-seafloor investigations, managers, and representatives of other international science programs. The EEC has to review the achievements of ECORD with IODP, and in particular the impact of MSPs. Furthermore it will evaluate the effectiveness and efficiency of ECORD entities.

G. Camoin asks the delegates to forward suggestions for nominations in the following weeks.

Action Item 1605-1	The ESSAC Delegates will nominate colleagues to serve on the ECORD Evaluation Committee (EEC). Names to be given to Gilbert Camoin directly until September 30 2016 (The Nominees should not have Conflicts of Interest (i.e. no recent proposition of or participation in IODP Expeditions)).	
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- Next ECORD general meeting will be held in May 2017.

- Final report will be send to EMA June 2017.

The **final report** will than be discussed with the funding agencies to help to prolong memberships in FY2018. G. Camoin suggests that in the final report we must review achievements, impacts of MSPs, and the effectiveness and efficiency of ECORD entities.

Budget:

The total ECORD Budget currently sums up to 17,5 US\$. From this Budget 7 mUS\$ per year are used for funding JR Expeditions, 1MUS\$ per year for Chikyu Expeditions, and 7 to 8 MUS\$ for MSP Expedition. The Budget for MSP Expeditions is 50% larger than during the previous IODP program phase.

Not included in the Budget are additional project-based and in-kind contributions.

5 Year ECORD MSP Operational Plan 2014-2018 (Baltic to Arctic):

The operational plan covers a large diversity of scientific themes as well as operational and funding flexibility.

Currently there are 19 MSP Proposals with 10 lead partners from ECORD countries, indicating that the MSP concept is attractive to partners outside ECORD.



Proposal #	Short title	Lead Proponent	Ocean / Sea	Drill Platform
<b>at EFB</b>				
548 - Full3	Chicxulub K-T Impact Crater	Morgan	Atlantic	Lift boat
581 - Full2	Late Pleistocene Coralgall Banks	Droxler	Atlantic	Geotech rig / Seafloor drill
637 - Full2	New England Shelf Hydrogeology	Person	Atlantic	Lift boat / Jack-up rig
708 - Full	Central Arctic Paleoceanography	Stein	Arctic	Drillship
716 - Full2	Hawaiian Drowned Reefs	Webster	Pacific	Geotech rig / Seafloor drill
730 - Full2	Sabine Bank Sea Level	Taylor	Pacific	Geotech rig / Seafloor drill
813 - Full	Antarctic Cenozoic Paleoclimate	Williams	Southern Ocean	Seafloor drill

<b>at SEP</b>				
680 - Full	Bering Strait Climate Change	Fowell	Pacific	Drillship
756 - Pre	Arctic Ocean Exit Gateway	Jakobsson	Arctic	Drillship
796 - ADP	NADIR: Nice Amphibious Drilling	Kopf	Mediterranean	Geotech rig / Seafloor drill
797 - Pre	Alaska Beaufort Margin	Ruppel	Arctic	Drill rig
806 -Pre	Beaufort Gas Hydrate	Paull	Arctic	Geotech rig
812 - Pre	Ross Sea Glacial History	Wilson	Southern Ocean	Seafloor drill
852 - CPP2	North Sea GlaciStore	Stewart	Atlantic	Drill rig
863 - MDP	ISOLAT Southern Ocean Paleoclimate	Peterson	Southern Ocean	Long piston coring
863A - Pre	ISOLAT: Indian Antarctic Paleoceanography	Crosta	Southern Ocean	Long piston coring
866 - Pre	Japan Trench Paleoseismology	Strasser	Pacific	Long piston coring
879 -Full	Corinth Active Rift Development	McNeill	Mediterranean	Drillship
896 - Pre	North Atlantic Fjord Sediment Archives	Giraudeau	Atlantic	Long piston coring

### Amphibious Drilling Proposal (ADPs)

ADPs are those proposals, that require both on and offshore drilling.

The guidelines and evaluation procedure have been approved by both, IODP and ICDP.

### Development of the MSP concept:

Developing new tools, joint efforts, in particular with respect to Seafloor Drills (MeBo, Rockdrill) and Long Piston Coring (Calypso) led to the submission of a project proposal (DEDI-2) to the EU Research Infrastructures program. The DEDI proposal has been rewritten and submitted in April 2016 as DEDI-2 (Distributed European Drilling Infrastructure to allow ECORD dealing with its existing technologies and developing new tools (borehole observatories, HT tools, pressure sampling, etc.).

### ECORD Newsletter:

The Newsletter #26 has been published in April 2016.

### IODP Symposium at 35<sup>th</sup> IGC 2016:

ECORD will participate in the Symposium "Achievements and perspectives in scientific ocean drilling" during the 35<sup>th</sup> IGC in Cape Town (August 27 – September 4, 2016). The feedback and contributions to the symposium are good.



### 3.2. ESO News (A. Stevenson)

A. Stevenson provides a summary of ESO Activities:

IODP Expedition 357: Atlantis Massif Serpentinization & Life – Offshore and OSP are completed.

The Expedition has been technically challenging, due to the drilling difficulties with the used systems (MEBO, RockDrill) nevertheless 17 holes were drilled at 9 sites with a total of 57.13 m cores retrieved.

IODP Expedition 364: Chicxulub K-Pg Impact Crater – almost completed offshore phase.

The drilling has been very successful and reached 1200 m with almost 100 % core recovery. There has been a significant media interest in the Expedition with a large Press Conference held in Merida (Mexico), a TV documentary and several media visits on the platform.

IODP Proposal #813: Antarctic Cenozoic Paleoenvironment – currently planning

The Expedition is scheduled for December 24, 2017-Feb 22, 2018 using the RVIB Nathaniel B. Palmer from the US Antarctic Program (NSF). ESO is currently in communication with the NSF. Although the outlook is positive the ship is not being provided as an IKC, so the costs will be up to US\$ 5.5M.

There will be an ECORD Co-Chief for the Expedition (C. Escutia)

*Note: The Expedition is now officially scheduled (Expedition 373) and the Call for Scientists is released in July.*

IODP Proposal #708: Central Arctic Paleoceanography – currently planning

The original proposed site at water depth of 1405 m was complemented by three deep holes in deep water (2.6-3.6 km of drillstring). This would require an ACEX-style fleet, with ‘top-end’ geotechnical rig on a sizable icebreaker. An information meeting was held with potential contractor. A Stronger rig is required to handle >2km of pipe. Casing of the Holes will be required, thus extra space and time is needed. The long site residency has the risk of being pushed off station.

The Proponents have chosen new sites that should allow standard rig to be used. A new addendum is to be submitted to the ECORD-Facility Board.

The R/V Polarstern has been offered as IKC (AWI/Germany).

### **ECORD Outreach and Education Task Force (E-OETF) Updates (P. Marujeol)**

New member of the E-OETF are Ulrike Prange (ESO) who has replaced Albert Gerdes at



MARUM, Bremen in the field of media relations, as well as Jan Behrmann and Hanno Kinkel from the ESSAC Office @ GEOMAR, Kiel.

Guests to the EOTF Meetings are T. Wiersberg (ICDP) who attends all meetings, and C. Brenner, S. Katz-Cooper (USSSP) and N. Eguchi, T. Omata (CDEX-JAMSTEC) who will be present at the October meeting in Edinburgh (October 6-7, 2016).

#### Meetings:

The E-OTF held a meeting in Bremen January 26-27, 2016, reviewing recent activities, resources and developing upcoming actions.

#### ECORD-ICDP at AGU 2015 (14-18 December):

A joint booth was organised at the AGU, co-funded by ECORD and ICDP. There was a busy icebreaker and steady traffic at the booth. Reviewing the impact of the booth, it is positive that the visibility outside European Countries is enlarged, and demonstrates the good cooperation with ICDP and improves the collaboration with IODP colleagues. Therefore it is suggested to continue the joint booth at the AGU in 2016, but to improve the outreach and networking, by ensuring that the booth is in line with the booth from US IODP and JAMSTEC.

In addition to the booth an ECORD-ICDP Town Hall Meeting was organized and co-funded by USSSP, NSF, ICDP, JAMSTEC & ECORD. The Meeting had three speakers (K. Miller & A. Koppers (IODP) and B. Horsfield (ICDP)) and was attended by 250-300 participants.

Although the organisation of the Townhall Meeting has improved since 2014, due to the large costs (35k US\$), the noisy atmosphere, and the strong focus on US IODP activities it is recommended that ECORD will not participate in 2016 in the Town Hall Meeting.

#### ECORD-ICDP at EGU 2016 (12-17 April):

During the EGU in Vienna a joint ECORD/ICDP booth was organized. The booth had a new format with information desks, videos and demonstrations. In order to reduce the number of printed media the ECORD Web App was tested on I-Pads.

An IODP-ICDP Townhall meeting was held during the conference with talks by G. Camoin (ECORD News), B. Horsefield (ICDP News) and M. Harris (IODP Expedition 357 and ICDP Oman Drilling). In addition there was a joint IODP-ICDP Session during the conference.

Overall, the attendance of the booth and Townhall Meeting has been good, and since the costs for the Townhall Meeting are low compared to the AGU, the format shall be continued at the EGU 2017 with modifications to the booth (shared demonstrations between ECORD and ICDP, improved ECORD Web App, etc.) and the Town Hall Meeting (keep it simple, short and targeted presentations and more time to meet and greet after the talks).





Action Item 1605-2	The ESSAC Office will contact the EGU 2017 Town Hall Meeting Organizers with a proposition to cut down on science talks or make them yet more focused.	
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Other E-OETF activities:

The E-OETF supports MagellanPlus Workshops, IODP events/days (Portugal, Italy, Spain, France) and ECORD Summer Schools (Leicester, Bremen,Urbino)in 2016. In addition educational events are supported by ODP/IODP core replicas go to the classrooms/open days/museums. A. Voelker reports, that the core replica had been used in an event in Portugal, reaching about 800 visitors.

A call has been released for an ECORD Education Officer during MSP expedition 364 (Onshore Science Party only). Due to the short notice of the call, only one application was received from a teacher in Bremen, who has been suggested to the OSP organizers to participate in the Science Party. Furthermore the USSSP has been contacted to send an additional Education and Outreach officer from the US, since the Expedition had a large media feedback there.

Several Media events of MSP expeditions (Exp 357 and 364) were organized with a good output, including reports by BBC and several other publishers.

2015-2016 Outreach Resources:

The E-OETF has produced several printed and online resources in 2015 and 2016. The ECORD Annual Report 2015 was published in March 2016.

2 ECORD Newsletters have been published (#25 – November 2015; '26 – April 2016).

Furthermore an ECORD Folder with 10 flyers was produced and documents for Expedition 364 were released in February 2016.

The ECORD Newsletter # 27 shall be published in November 2016, including reports on MagellanPlus workshops and Summer Schools in 2016. The call for contributions will be released in late August 2016 and the deadline for contributors is 1 October 2016.

3.3. ESSAC Office news (J. Behrmann/H. Kinkel)

J. Behrmann presents the news on the ESSAC Office. The Office was transferred from ETH Zürich to GEOMAR, Kiel on April 1, 2016. There have been several logistic an IT issues, which caused problems in distributing the materials for rankings of the Research Grants and Scholarships for Summer schools. J. Behrmann apologises for these delays and asks the delegates to use the time in the Break Out Sessions to do the rankings at the meeting in Faro. The E&O Subcommittee will take the responsibility to rank the scholarships, while the ESSAC Nominations and Staffing Subcommittee rank the Research Grants.

With respect to the Research Grants it was suggested that in the future a better quality control will be established by the ESSAC Office, in particular monitoring the publication



output of the Research Grant activities.

### 3.4. ESSAC representatives and National Office reports / issues (ESSAC Delegates)

In order to save time for other issues of the meeting, J. Behrmann suggests that the reports by the ESSAC representatives and National Offices is found in these minutes below.

<p>Action Item 1605-3:</p>	<p>All Delegates will send a report of (maximum 0.5 pages) on their national IODP Activities since November 2015 to the ESSAC Office. The ESSAC Office will compile and distribute these reports to all delegates and national offices. The deadline for submission is 10 June, the office will distribute the reports until 20 June.</p>
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#### ESSAC Delegates and National Office Reports:

##### **Canada (by Dominique Weiss)**

Lucas Kavanagh sailed as an Education Officer on Expedition 360: SW Indian Ridge Lower Crust and Moho (30 November 2015 – 30 January 2016). He produced 5 podcasts, and along with the other two educators a total of 129 webcasts. He also facilitated interviews with over 40 media outlets and conducted an “Ask Me Anything” on Reddit.

Dominique Weis (University of British Columbia) returned from a successful Onshore Science Party at the Bremen Core Repository for Expedition 357: Atlantic Massif Serpentinization and Life (20 January – 5 February 2016). She and her post-doc L. Bilenker analyzed all the major and trace element for the shipboard samples at PCIGR, and are now working on characterizing key samples for Fe, Si isotopes.

Gordon Osinski (Western University) was selected to participate in the onshore phase of Expedition 364: Chicxulub K-Pg Impact Crater (Summer/Fall 2016).

David Mosher (Natural Resources Canada) completed his three-year term on the Site Evaluation Subgroup of the Science Evaluation Panel.

Calvin Campbell (Natural Resources Canada) was appointed to the Site Evaluation Subgroup of the Science Evaluation Panel.

Dominique Weis, who recently served as interim Vice-Chair of ESSAC, is now serving as Vice-Chair of the ECORD Facility Board.



We are also in the process of updating the IODP-Canada website.

CCOD members are actively pursuing two potential funding avenues (ONC, EarthsCAN) to secure Canada's membership in IODP.

### **Denmark (by M.S. Seidenkrantz)**

We are continuing to work on results from Expedition 347 and it should soon be possible to start more detailed analyses and writing papers as the age models are arriving. Danish scientists are involved in upcoming proposals for expeditions.

### **France (by Georges Ceuleneer)**

We are globally satisfied by the positive evolution of statistics for France in terms of number of applicants and of scientists eventually selected on IODP cruises. This includes senior scientists and much younger ones (PhD students). The French teachers are also quite a few to apply (and to board) on the Education Officer program and on the school of rocks events.

This evolution is clearly related to different factors. Firstly, the scientific targets of the recent expeditions included topics for which the French community is traditionally quite active like the oceanic lithosphere (Exp 357 and Exp 360), the links between orogenesis, erosion and climate (the three “Monsoon” expeditions). These expeditions have seen the boarding of senior colleagues familiar with IODP, including some frequent sailors but also younger ones. We were also pleased to see the interest of the French’s for expeditions whose targets are *a priori* less the cup of tea of France (e.g. Chixulub). It was the opportunity to see new faces integrating the program. Finally, concerning the paleo-climate and paleo-oceanography cruises, people who were generally sailing on French boats (e.g. the Marion-Dufresne) are less reluctant to apply on IODP expeditions. In this respect, the future boarding of Luc Beaufort on “Pacific Warm Pool is particularly welcome.

A second factor is related to post-cruise funding. Since two years, participants to an IODP expedition can submit a project and have almost the guarantee to get rapidly a reasonable amount of money for their post-cruise research which is a positive evolution compared to the previous system where they had to compete with the post-cruise projects of all the national cruises: there was only one call a year and a small amount of money to share among a large community. The information propagates slowly but surely in our labs and contributes to attract colleagues toward IODP-cruises as they know that they will be able to actually honor their contract, i.e. to produce good science rapidly after the cruise and in decent conditions.

A third factor is the possibility to apply for CNRS-INSU post-doc positions to board on IODP cruises. Two young post-doc got each a two year salary in 2015 and 2016 which represents an effort of about 100.000 Eu a year made by the CNRS. This demonstrates that our main research institution (CNRS) is actively supporting IODP.

These positive news need to be moderated quite a bit as the coming years will see a significant (3%) reduction of the funds for the Très Grandes Infrastructures de Recherche



("TGIR) i.e. the administrative form of the IODP-France contribution to ECORD). This reduction is an average (there are many TGIR mostly supporting astronomy and nuclear physics) and we hope that the success of the IODP program and the fact that IODP-ECORD is cited as an example for its excellent management by our funding agencies will allow us to avoid too strong reduction of our budget.

In that context the organization of IODP-France days on November 29 and 30 2016 will be particularly critical as people from the funding agencies will attend the meeting. I join to this report the preliminary program of the meeting.

### **Germany (by A. Bornemann)**

Since November 2015 four IODP Expeditions with German participation were successfully accomplished. Whereas one German scientist participated in Expedition 360 "*SW Indian Ridge Lower Crust and Moho*", four sailed on Exp. 361 "*South African Climates*". Three German geoscientists were invited to join the recently completed Chicxulub MSP Exp. 364. Moreover, the four-week lasting Chikyu Exp. 365 "*NanTroSEIZE Shallow Megasplay Long-Term Borehole Monitoring System*" was co-led by Achim Kopf (Univ. Bremen).

In March 2016 the annual IODP/ICDP meeting was held at the University of Heidelberg (14/03–16/03/2016). 187 scientists attended the conference and submitted in total 112 contributions (30 talks, 84 posters). The meeting covered a wide range of topics related to scientific drilling from paleoclimate/paleoceanography over deep biosphere to magmatic petrology and seismogenic zones. As in previous years the highlight of the meeting was the two-hour science-show "*unterirdisch*" (German for sub-surface) – a public event for school children. This show aimed at introducing school children to geology and especially to scientific drilling in the oceans and on the continents. In order to achieve this, a popular German TV moderator was engaged to foster interactions between geoscientists and the children through recurring quizzes, simple experiments and a live video conference circuit with the JOIDES Resolution. More than 500 pupils attended this event in addition to many regular conference attendants. This geoshow was recently successfully adjusted for a broader audience and took place during the open science day in Bonn hosted by the DFG.

Further the "*ECORD training course*" for PhD students and early career postdocs took place at the IODP Bremen core repository (Univ. Bremen) in March. This course covered a "virtual drillship experience" introducing the participants through IODP style lab exercises into various shipboard techniques and core flow procedures.

### **Italy (by Andrea Argnani)**

The IODP Italia Commission is set and is working on several issues, some related to the regulations (Statuto!) and "tuning" with bureaucracy, others related to activities to be planned. Good news is that the Ministry of Education has confirmed the 2016 funding to IODP Italia. At presents we have 7 scientists who were accepted to participate in IODP expeditions, out of 26 applicants since 2015 (3 invited, 1 shore based, 3 special calls), two of which are waiting to sail on the South China Sea expeditions. The Italian community is responding well to the IODP calls, with applicants showing a wide range of interests; the good response from young scientists is particularly relevant. The participation of Italian





scientists to the SE Indian Ridge expeditions has been publicized in some of the national press, and the participation in the Arabian Sea Monsoon has been broadly divulged within the Italian Geological community. An IODP booth will be arranged at the annual meeting of the Geol. Soc. of Italy (Societa' Geologica Italiana), to be held in Naples in September this year, and the participants to expeditions will be asked to illustrate their experience on board JR during specific time slots. An attempt to assign a prize to the best young scientist's contributions presented during the congress has failed because of overwhelming "bureaucratic friction", but the possibility to assign funds to small projects from young scientists seems feasible, and we, as a commission, will attempt to follow a scheme similar to the ECORD grants to fund a limited number of small projects. As a very recent news, Alessia Cicconi, who was accepted to participate in the School of Rocks on board of JR, managed to join the expedition party in South Africa.

Angelo Camerlenghi (OGS, Trieste) has been invited to the Environmental Protections and Safety Panel (EPSP) meeting in College Station, Texas, on 1st-2nd September 2015 for a Preview of Proposal P857B (Deep-sea Record of Mediterranean Messinian Events (DREAM) first stage of the Umbrella Proposal "Uncovering a Salt Giant" 857-MDP2). Following the good response, a site survey is planned for Summer 2016 and the full proposal submission is expected for 1st April 2017.

The JR Facility Board has just approved the IODP Proposal 751-Full2 (Ross Sea) that has Laura De Santis (OGS, Trieste) as one of the proponents. Activity is scheduled for FY 2017.

We also have Michele Rebesco, from OGS, Trieste, who has just been appointed member within the Magellan Plus committee.

### **Israel (by N. Waldmann)**

As part of Israel membership in the IODP, Dr. Nicolas Waldmann from the University of Haifa has participated in the Brazilian Equatorial Margin Magellan plus workshop, which took place in Ubatuba Brazil on March 2016. The workshop was very successful and a scientific proposal is currently being written and will be submitted on the next deadline. Besides, the post-operational scientific party of Expedition 359 took place on April 2016, with the active participation of Dr. Or Bialik, as well from the University of Haifa. Analyses of the samples taken during the scientific party just started and results will arrive soon.

### **Portugal (by A. Voelker)**

During November 2015, IODP was promoted to the Portuguese scientific community as well as the general public. The IODP Portugal Day on November 3<sup>rd</sup> with talks (including 2 ECORD DL), posters, a ship-to-shore call with JOIDES Resolution, and exhibition of three core replicas was attended by about 150 people comprising two busloads of students from the universities of Aveiro and the Algarve. The IODP Day was hosted by the Ciência Viva outreach agency in Lisbon and exhibits at its local branches in Lousal (core replicas for full month) and in Faro reached 480 and 850 visitors, respectively. Portugal sailed one scientist during Exp. 359-Maldives and will sail another on Exp. 366 later this year. Helder Pereira was invited to the Chikyu onboard school in July 2016. Ongoing studies and publications are still mostly related to Exp. 339 –Mediterranean Outflow. A publication and a Master thesis on



Exp. 323-Bering Sea diatom material were also completed.

### **Sweden (by Ian Snowball)**

As part of the Swedish Research Council (VR) annual call for research proposals there was a specific announcement for individual research proposals that could use the icebreaker Oden in the Arctic in 2018, and potentially contribute “in-kind” to the IODP ACEX II drilling. Unfortunately, many potential applicants interested in Arctic Ocean drilling were disqualified from applying because they have running VR grants (this is a rule). No applications were submitted by the Earth science community and the likelihood of Sweden making an in-kind contribution to the ACEX II expedition are very low. The ESSAC delegate (IS) has discussed this unfortunate situation with VR.

The current ESSAC delegate (IS) has served on ESSAC since 2009 and will end his term-of-office towards the end of 2016 (after serving two terms). The ESSAC delegate (IS) and VR are communicating to select a new delegate, which will include liaison with other all interested universities in Sweden.

The ESSAC delegate (IS) has been informed by VR about the need to submit an infrastructure application in 2017 for renewed ECORD membership fees. This procedure is likely to be initially coordinated by IS, but the new ESSAC delegate in 2017 will mostly likely be the main applicant (note that the rule that applies to research proposals does not apply to infrastructure). Swedish ICDP membership will also be submitting an application at the same time.

The Swedish quota for berths on expeditions is roughly in balance with membership fees, which pleases the Swedish ESSAC delegate, and there has been a mixture of gender, age, scientific disciplines and geographical origins of the scientists who have sailed or been part of OSPs after MSPs.

### **UK (by Sean Burke)**

The UK-IODP Programme continues to play a major part in the International Ocean Discovery Programme and has supported the participation of over 20 UK scientists and co-chiefs on IODP expeditions and provided co-funding to several scientific workshops/conferences including the UK annual IODP Conference and student workshop both in the UK and internationally. A significant number of scientists also participate directly in offshore operations, making excellent use of legacy core material, and are disproportionately represented on new drilling proposals, and are frequently involved as onshore science collaborators.

Within the programme the UK is set to have significantly more expedition berths than the preceding five years, yielding a fantastic opportunity to further build the UK science community. Within the UK-IODP programme, participants will benefit from an improved post-cruise funding model, ensuring they capitalise fully on their offshore experience. UK-IODP will also continue to fund site-survey grants that provide an invaluable mechanism to advance UK proposals within IODP.

Monthly e-newsletters are now distributed to over 600 scientists in the UK who get regular updates on upcoming expeditions, calls and workshops. This newsletter is a great



opportunity for you to advertise your grant and publication successes, and alert a large community to future opportunities. So, when you have news, please send a short paragraph to the UK-IODP Co-ordinator Sean Burke. There continues to be IODP publications from UK scientists, illustrating the high level of outputs from the programme.

## **4. Expeditions, Nominations and Staffing (1)**

### 4.1. Staffing

#### 4.1.1. Updates on expedition staffing and applications

J Behrmann reports the current situation of the expedition staffing and applications.

Regarding Expedition 370 (t-Limit off Morutu) he reminds delegates to encourage scientists to apply for this expedition, since there are currently no applicants.

*Note: The Application Deadline has ended and a total of nine applications were received. Due to the quick response of the delegates, the ranking has been finished and eight scientists have been nominated with first priority and one candidate with second priority.*

Quotas, CPPs, in-kind contributions:

In general the three large contributing countries and contributing countries from Scandinavia are under quota, whereas the other contributing countries are over quota. G. Frueh-Green asks to correct the quota list, since a scientist is listed under Switzerland, but has been in the UK by the time of the expedition. The ESSAC Office is asked to correct the table and send out the list to all delegates.

In order to improve the applications and participation from countries, which are under quota G. Camoin suggests to send ECORD representatives to events (e.g. ECORD Day) in those countries.

### 4.2. Upcoming expedition deadlines and calls

Expedition open calls and associated deadlines for application to sail are expected for seven expeditions until the upcoming ECORD/ESSAC Joint Meeting at Bremen end October 2016.

### 4.3. SEP Report (W. Piller)



W. Piller gives an update from the 5<sup>th</sup> JR Facility Science Evaluation Panel Meeting (SEP, FB) held January 12-14, 2016 UCSD Scripps. The Chair of the SEP has moved from Dick Kroon, UK to Ken Miller, USA.

In total 17 proposals have been at the Panel, 3 came back from external review, 7 were revised proposals and 6 new proposals.

Prpsl#	Type	Title	PI	Platform	Theme
730	Full2	Sabine Bank Sea Level	Taylor	MSP	CO
732	Full2	Antarctic Peninsula Sediment Drifts	Channell	JR	CO
832	Full2	Tasman Frontier subduction	Sutherland	JR	CO
834	Full2	Agulhas-Transkei Transect	Uenzelmann-Neben	JR	EC
835	Full2	Japan Trench Tsunamigenesis	Kodaira	NR-Chikyu	EM
846	APL2	Falkland water depth record	Peck	JR	CO
848	Full	Weddell Sea History	Weber	JR	CO
871	CPP	Lord Howe Rise continental ribbon	Hackney	Chikyu	EC (All)
880	APL2	Drilling parameters for Lithology	Moe	NR-Chikyu	N/A
884	CPP2	Southern Australia Cretaceous Anoxia	Holford	JR	EC(CO)
887	CPP2	Gulf of Mexico Methane Hydrate	Flemings	JR	EM
890	Pre	Walvis Ridge Hotspot	Sager	JR	EC
891	APL	Indonesian Throughflow Makassar Strait	Lee	JR	CO
892	Full	Reykjanes Mantle Convection	Parnell-Turner	JR	EC
893	APL	Taiwan arc-continent collision	Byrne	JR	EC
894	APL	S.Pacific Quaternary paleoproductivity	Dubar	JR	CO
857B	Pre	DREAM: Balearic Promontory	Lofi	JR	BF(EC)

green: back from external review, orange: revised, blue: new

The discussion lead to the following list with proposals destinations:

Proposal #	Type	Title	destination
730	Full2	Sabine Bank Sea Level	EFB
732	Full2	Antarctic Peninsula Sediment Drifts	Stay in JRFB
832	Full2	Tasman Frontier subduction	HB + Addendum by 2nd week of March
834	Full2	Agulhas-Transkei Transect	JRFB
835	Full2	Japan Trench Tsunamigenesis	External Review
846	APL2	Falkland water depth record	HB + Addendum for two sites
848	Full	Weddell Sea History	Revise
871	CPP	Lord Howe Rise continental ribbon	Revise in time for next SEP mtg
880	APL2	Drilling parameters for Lithology	deactivate and resubmit following workshop
884	CPP2	Southern Australia Cretaceous Anoxia	Deactivate
887	CPP2	Gulf of Mexico Methane Hydrate	External Review
890	Pre	Walvis Ridge Hotspot	Full
891	APL	Indonesian Throughflow Makassar Strait	Deactivate
892	Full	Reykjanes Mantle Convection	Revise
893	APL	Taiwan arc-continent collision	Deactivate
894	APL	S.Pacific Quaternary paleoproductivity	Deactivate
857B	Pre	DREAM: Balearic Promontory	Full





#### 4.4. Update on advisory panel members

J. Behrmann presents an update on the Facility Board members. For the JRFB Paul Wilson (UK) will represent the Science until September 2018, while Gilbert Camoin (F) will represent the funding agency.

For the ECORD Facility Board (EFB) Gilles Lericolais (F) will act as Chair until September 2018, and Dominique Weis (CDN) as Vice-Chair. Karsten Gohl (GER) and Benoit Ildefonse (F) will act as alternates.

Heiner Villinger serves on the CIB, but a new call for nominations has been issued for the period 1 October 2016 to 31 September 2019 (Deadline 15 August 2016).

SEP ( Science Evaluation Panel) SCIENCE				
Science Evaluation Subgroup:			Term	Expertise
<b>No ECORD Chair</b>				
Godard	Marguerite	France	Jan 15-Dec 17	Petrology and geochemistry
Gutscher	Marc-André	France	Jan 15 - Dec 17	Geophysics, tectonics, geodynamics
Jaccard	Samuel	Switzerland	Jan 16 – Dec 18	Paleoceanography, climate change
Kallmeyer	Jens	Germany	Jan 16 - Dec 18	Geo-Microbiology
McCaig	Andrew	UK	Jan 16 - Dec 18	Petrology, Structural Geology
Bohaty	Steven	UK	Jan 15-Dec 17	Paleoceanography, sedimentary geochemistry
Piller	Werner	Austria	Jan 15-Dec 17	Carbonate sedimentology and Micropaleontology
Villinger	Heiner	Germany	Jan 15-Dec 17	Marine geophysics (bathymetry, seismics, heat flow, instrumentation)

Call for new members is necessary early 2017

SEP ( Science Evaluation Panel) SITE				
Site Evaluation Subgroup:			Term	Expertise
<b>No ECORD Chair</b>				
Bell	Rebecca	UK	June 16-May 19	Seismology, Seismics
Campbell	Calvin	Canada	Jan 15 - Dec 17	Geophysics, Seismics
Géli	Louis	France	June 16 – Dec 19	Geohazards
Krastel	Sebastian	Germany	Jan 14-Dec 16	Seismics, bathymetry
Riedel	Michael	Germany	Jan 15-Dec 17	Seismics, gas hydrates

##### 4.4.1 New calls and alternates

A call for new member is necessary to replace Sebastian Krastel on SEP Site who will be rotating off in early 2017.

G. Frueh-Green remarks that there are many new members in the SEP, and this is not a good solution, but a discussion on this should be conducted by the ESSAC Council after the next



SEP meeting, including the feedback given by the chairs.

Co-chief nominations:

J. Behrmann proposes to defer this discussion to Meeting in Bremen (October 2016), but encourages the delegates to think about potential ECORD co-chiefs for the FY 2018 Expeditions (372: Creeping Gas Hydrate Slides and Hikurangi LWD; 374: Ross Sea West Antarctic Ice Sheet History; 375: Hikurangi Subduction Margin Observatory; 376: Brothers Arc Flux; 378: South Pacific Paleogene Climate).

## 5. Education and outreach – updates and outstanding issues (1)

### 5.1. ECORD Summer Schools/courses - update 2016(H. Kinkel)

ECORD has decided to fund three Summer Schools with 10k€ each in 2016 (Urbino Summer School in Paleoclimatology ; ECORD Bremen Summer School 2016 Submarine Geohazards: Mapping, Monitoring, and Modelling; ECORD Summer School: Petrophysics (physical properties of ocean sediments and basement from downhole logs and core), Department of Geology at the University of Leicester). In addition the ECORD Training Course “Virtual Drillship Experience” at MARUM, Bremen was supported with 6.5k€.

### 5.2. ECORD Grants and Scholarships update and applications 2016 (H. Kinkel)

Scholarships: The ESSAC Office has received 44 Applications for Scholarships to participate in the ECORD Summerschools in 2016 ( 8 Leicester, 22 Urbino and 14 Bremen).

Applications to ECORD Scholarships for summerschools in 2016				
Country	Leicester	Urbino	Bremen	Total
Austria	1			1
Belgium	1			1
Canada			1	1
France	2	6	3	11
Germany		5	2	7
Israel			1	1
Italy	1	2	1	4
Norway	1			1
Poland		1		1
Portugal	1			1
Sweden			1	1
Switzerland		1		1
UK	1	7		8
Non-ECORD			3	3
<b>Total</b>	<b>8</b>	<b>22</b>	<b>14</b>	<b>44</b>



Research Grants: The ESSAC Office has received 18 Applications for Research Grants.

Applications to ECORD Research Grants 2016				
Country	MSc student	PhD student	Post Doc	Total
Canada		2	1	3
France		1	2	3
Germany		4	1	5
Ireland	1			1
Netherlands		1		1
Norway		1		1
Spain		1		1
UK		3		3
<b>Total</b>	<b>1</b>	<b>13</b>	<b>4</b>	<b>18</b>

The requested grants range 2200 and 4000 €, thus it is suggested to fund 4 to 6 grants according to the existing budget of 18k€.

#### 5.2.1. Teachers at Sea 2016 (H. Kinkel)

The ESSAC Office has received 8 Applications to the Teachers at Sea Call in 2016.

Applications to ECORD Teachers at Sea 2016				
Country	Teacher	PhD student	Freelancer	Total
France	2			2
Germany	1			1
Italy	1			1
UK	1	1	2	4
<b>Total</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>8</b>

In addition a Special Call for two Educators and Outreach Personnel has been released for the onshore Science Party of Expedition 364 (Chixculub K-Pg Boundary) in Bremen.

Due to the short notice time only one application from a German teacher was received. A short discussion followed and was concluded, that the candidate should be considered as a participant to the OSP, and the other place can be filled by the USSSP.

Consensus Item 1605-4	The E&O subcommittee recommends to the co-chiefs of EXP.364 to consider the application for a shore-based Outreach and Education Officer that was received by the ESSAC Office in response to a Special Call. In addition, the ESSAC Office will contact Sharon Cooper about the possibility of U.S. American participation under the same scheme.
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### 5.3. Calls and status of applications

### 5.4. Upcoming E & O calls 2016 and Outreach activities (H. Kinkel)

These calls and activities mainly concerned the Teachers at Sea Programme which is treated in Items 5.2.1 (above) and 8.3.1 (below)

### 5.5. ECORD Education & Outreach Task Force update (P. Maruéjol)

#### E-OETF beyond 2016:

The E-OETF will develop more resources in the future including "Tool Kits" to travel with the core replicas. Therefore geological materials to be used during classroom activities and hands-on activities will be provided,

ECORD should be more visible in science museums (e.g. Exeter, Ciencia Viva in Faro) and all Delegates are encouraged to propose national museums for exhibition activities.

A new ECORD video for the Polar Year in 2018 is in the planning.

E-OETF plans to continue our collaboration with IODP partners and develop common activities/tools. The first steps will be the production of a common IODP brochure.

#### 5.5.1. Past and future workshops and conferences (P. Maruejol)

Together with ICDP joint education activities will be developed in the future.

### 5.6. Changes to the ECORD/ESSAC/ESO websites (P. Maruéjol/G. Camoin/N. Hallmann)

#### New ECORD website:

In order to create a new ECORD identity a new joint website is currently developed.

The new website will continue the updates and news (e.g. Magellan Plus workshop, ECORD News, etc.).

However a redesign of all ECORD websites is currently underway and the single websites (ESSAC, ESO, ECORD) will be merged into a single website (ecord.org). The format of the website is done in Wordpress and developed by a commercial company (CosiWeb). The same company has created the ECORD Web App, which was tested at the ECORD booth at EGU 2016. All ECORD web managers had participated in a training session in Aix-en-Provence in May. The launch of the new ECORD website and Web App is planned for late summer 2016.

## **6. Breakout Sessions I**

### **6.1. Introduction (J. Behrmann)**

#### 6.1.1. ESSAC Nominations and Staffing Subcommittee (lead: J. Behrmann)

#### 6.1.2. Education and Outreach Subcommittee (lead: X. Monteys)



**11:15 – 12.15 Guest Lecture:**

G. Früh-Green gives a scientific talk on:

**Serpentinization and Life: Drilling the Atlantis Massif, Expedition 357**

Consensus Item 1605-5	The ESSAC Delegates thank Guest Lecturer G. Frueh-Green for a most inspiring presentation and offering a wealth of insights on the recently completed Expedition 357 „Atlantis Massif“.
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In the following discussion G. Camoin reminds, that an ESSAC Delegate is needed for Evaluation of Expedition. The delegates formulate the following consensus Item:

Consensus Item 1605-6	The ESSAC Delegates propose X. Monteys as a Member of the ECORD Evaluation Committee for Expedition 357. Evaluation to be held at Bremen 24/25 October 2016. G. Camoin accepted this proposition.
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**J. BEHRMANN suggest to reconvene after Lunch and and finish work related to Item 6**

**6. Breakout Sessions continued**

**7. Nominations and Staffing (2) – Breakout reports & discussion**

**7.1. Nomination & Staffing Subcommittee report, discussion & future actions (J. Behrmann)**

The Nominations and Staffing Committee took over the Research Grant Rankings to finish the rankings during the meeting. M. Ziegler and J. Behrmann declared COI and did not take part in the ranking.

The Nominations and Staffing Committee excluded a number of research grants from the rankings because of lack of a mobility component, budgets exceeding 3k€, or cases of collaboration with previous PhD advisors or members of examination committees. X. Monteys disagreed on the mobility issue, because the main issue is to go to another lab, and the distance does not define that.

The exclusion because of the too large budget was also discussed between the delegates. Apparently the call was not clear regarding the maximum amount of the budget. Thus this must be more clearly defined and communicated in future calls. The following Action Item was formulated:

Action Item 1605-4	The ESSAC Office will improve on the text of future calls for Research Grants in order to increase clarity, and remove ambiguities regarding the maximum amount of funding to be applied for.
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The Committee decided by consensus to fund 7 research grants according to the budget. The ranking was according to the average of the given stars. An additional criterion was to achieve optimal country balance among the grant recipients .

Consensus Item 1605-7	The ESSAC Delegates accept the ranking of Research Grant Proposals made by the Staffing and Nominations Subcommittee, and decide to award seven Research Grants to the proponents selected by the Subcommittee.
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## **8. Education and outreach (2) – Breakout reports & discussion**

8.1. E&O Subcommittee report, discussion and future actions

8.2. ECORD Summer Schools 2016 update & selection

8.3. ECORD Scholarships 2016

The Education and Outreach subcommittee made the rankings for the ECORD Scholarships during the Meeting. In total 4 Applications were not ranked, since they were either from Non-ECORD countries (2), did not apply to the Summer School (1) or did not require financial support (1) since no travelling was involved.

8.3.1. Discussion of awards:

Scholarships: The delegates discussed the proposed rankings of the E&O subcommittee. The question was raised by G. Frueh-Green whether we should provide less money and more scholarships, but it was concluded, that the same amount for each scholarship at a summer school should be paid, and that the amount awarded should reflect the different costs of the summer schools as well. The following consensus was registered concerning the awards.

Consensus Item 1605-8	The ESSAC Delegates accept the rankings made by Education and Outreach Subcommittee for scholarship applications from participants of the three summer schools. Six awards of EUR 1400 each will be given to top-ranked candidates for the Urbino Summer School, three awards of EUR 800 each will go to top-ranked candidates for the Leicester Summer School, and six awards of EUR 700 each will go to top-ranked candidates for the Bremen Summer School.
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Teachers at Sea:

The E&O subcommittee has indicated that seven out of the eight candidates that had applied to the Teachers at Sea program are suitable to participate in IODP Expeditions. Since



the Budget has been changed to support one Teacher via the French National IODP Program, J. Behrman is seeking support for support for one German teacher via the German IODP national office as well (done).

Consensus Item 1605-9	The ESSAC Delegates decide to forward a list of seven qualified candidates to serve as Teachers at Sea on upcoming IODP Expeditions to Sharon Cooper (USSSP). ESSAC will attempt to fund a maximum of participations in cooperation with national IODP Offices within ECORD.
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#### 8.4. Update on status of DLP - scheduling, budget (H. Kinkel)

H. Kinkel gives an update on the current Distinguished Lecturer Program. Currently 41 lectures have been given 14 different countries. There are a number of lectures still to be given by A. Morris in Canada and C. France- Lanord in Canada and the UK.

#### DLP Call 2016:

A Call for the DLP Program for 2016/17 has been issued by the ESSAC Office in April. After the Deadline on May 20, only three Nominations and Self-Nominations were received. Since the number of candidates is low and not all the fields of the IODP Science Plan are covered, the Delegates agree to extend the deadline:

Action Item 1605-5	The ESSAC Office will extend the deadline for applications and nominations for the Distinguished Lecturer Program (DLP) to 1 July 2016 and communicate this in an open call. All national Delegates are encouraged to be proactive in approaching and nominating suitable high profile candidates. Following the deadline the evaluation and decision process will be conducted by email and completed by 1 September 2016.
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### 9. Workshop, ECORD Summer Schools and Conference Reports

#### 9.1. Summer Schools 2015 update

Due to the shortage of time no extended report on the summer schools was given, but it was concluded by M. Ziegler (for Urbino) and G. Frueh-Green (for Bremen), that the summer schools have been a great success and reports on the summer schools were published in the newsletter. In addition there will be a report on the summerschools at the ECORD Council Meeting in October.

#### 9.2. Magellan Plus Programme updates (W. Piller)

W. Piller gives an Status Report on the MagellanPlus Programm. The Steering Committee has two new Members (K. Haase, Germany & M. Rebesco, Italy).

Since the ECORD Naples Meeting three workshops took place:

1. Haiti-DRILL in Rueil-Malmaison (France) from October 26-28 (2015), convened by Nadine Ellouz-Zimmermann.



2. Brazilian Equatorial Margin - BEM II in Ubatuba (Brazil) from March 30 - April 1 (2016).

The conveners were Paola Vannucchi, Luigi Jovane, Francisco Hilario Bezerra & Helenice Vital.

3. Antarctica's Cenozoic Ice and Climate History at College Station, Texas (USA) from May 9-11 (2016). Conveners were Denise Kulhanek (Texas A&M Univ.), Amelia Shevenell (Univ. South Florida), David Harwood (Univ. Nebraska, Lincoln), and Sean Gulick (Univ. Texas, Austin), Trevor Williams (Texas A&M Univ., USA), Rob McKay (Victoria Univ, Wellington, NZ), Karsten Gohl (AWI, Germany), Jim Channell (Univ. of Florida, USA), Laura De Santis (OGS, Trieste, Italy), and Rob Larter (British Antarctic Survey, UK).

There is one upcoming workshop on Bend-Fault Serpentinization to be held in London (UK) from June 19-21 (2016). The conveners are Jason Morgan (Royal Holloway, University of London), Gou Fujie (JAMSTEC), Ingo Grevemeyer (GEOMAR), Tim Henstock (NOC), Tomoaki Morishita (Kanazawa University) & Damon Teagle (NOC).

Five Proposals were received to a call for new MagellanPlus workshops at the deadline February 1<sup>st</sup>, 2016.

No.	Workshop Title	PIs	funding
MP1	<i>Antarctica's Cenozoic ice and climate history</i>	Laura De Santis (OGS, Trieste, Italy)	😊
MP2	<i>Continental Scientific Drilling of the Deccan Traps Large Igneous Province</i>	Leone Melluso (Italy), Andrea Marzoli (Italy)	😞
MP3	<i>Carbon Cycling at the Ultraslow Arctic Spreading Ridge System</i>	Leth Jørgensen (University of Bergen, Norway)	😊
MP4	<i>Permafrost and Permafrost Gas Hydrate Dynamics Across a Transgressed Arctic Coast: A Proposal for an Amphibious Drilling Campaign</i>	Scott Dallimore (GSC, Canada) & Dirk Wagner (GFZ, Germany)	😞
MP5	<i>Structure and Evolution of Magmatic and Hydrothermal Volcanic Systems in offshore collapse/resurgent calderas - Development of an IODP Drilling Proposal and links to active ICDP Drilling Initiatives</i>	V. Spiess (Germany), M. Sacchi (It), G. De Natale (It), L. Steinmann (Germany)	😊

Two of the 5 proposals (MP1 & MP3) were immediately funded. Proposal MP2 was rejected because it was totally continental in scope. The proposals MP4 and MP5 were resubmitted and finally MP5 was granted.

There will be a change to the terms of calls in the MagellanPlus program in accordance with ICDP. In the future there will be only one call per year. The next deadline is January 15<sup>th</sup>



2017, and the call has already been published. The funding is up to 15k€ per workshop in a programme of up to 4 workshops per year.

### 9.3. Joint IODP/ICDP session at the EGU 2017 in Vienna (J. Behrmann)

J. Behrmann presents the Plans for EGU 2017. He has already contacted the panel of the SSP and they agreed to support a similar session like this year (Achievements and perspectives in scientific ocean and continental drilling) and make a timely proposal to the organizers of the EGU 2017.

## 10. Next meeting

ESSAC-ECORD Joint Meeting #4, 26-27 October 2016, Bremen, Germany (Host: Ursula Röhl  
G. Camoin will send out a draft of the Agenda for the Next Meeting in June (DONE).

## 11. Any other business (J. Behrmann)

Consensus Item 1605-10	The ESSAC Delegates thank Cristina Veiga-Pires and Anje Voelker for organizing the Faro Meeting in a spirit of great Mediterranean hospitality, for arranging a wonderful venue and perfect logistics, and for arranging for a most inspiring field trip along the Algarve coastline.
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Meeting closed 25<sup>th</sup> May, 2016, at 19:00 h

**Review of consensus, motions and actions will be carried out by email**