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Minutes

Joint Meeting of the Interim Scientific Steering and Evaluation Panels for the Dynamics of Earth's Interior (ISSEP) and Earth's Environment (ESSEP)

November 17-20, 2002

Corum Conference Center, Montpellier (France)

Sunday, November 17

Joint Session

I) Introduction

Gilbert Camoin opened the Third meeting of the interim Scientific Steering and Evaluation Panels and thanked the iSAS Office and the Host, Benoit Ildefonse, for the excellent arrangements of the meeting as well as for the pre-meeting field trip « Geology and Wine ».

Beniot Ildefonse provided information to the panels members on the conference facilities, the hotels and the ODP-France-sponsored dinner planned for Tuesday night.

Panel members, liaisons and guests were introduced and the minutes from the previous meeting (June, 2002) were approved.

II) PC/IWG Report (Ted Moore Cochair iPC)

1. At their meeting in Aug., iPC approved :
 - i. IODP Scientific principles
 - ii. Sample and data policy
→ SciMP is also drafting a publications policy statement
2. Two working groups have been established
 - i. Guide to IODP working group (co-Chairs : Jamie Austin and Kiyoshi Suyehiro)
 - ii. Operations Committee (which includes several subcommittees)
3. Ranking of Mission-Specific Platforms (MSP)

The iPC ranked the following five mission-specific platform proposals in order of scientific priority and forwarded them to the IWG for further consideration.

Rank	Proposal Title	Mean	Std. Dev.
1.	533-Full3 Arctic-Lomonosov Ridge	1.5	1.2
2.	519-Full2 South Pacific Sea Level	2.4	0.9
3.	564-Full New Jersey Shallow Shelf	3.1	0.8
4.	548-Full2 Chicxulub K-T Impact Crater	3.3	1.3
5.	581-Full2 Late Pleistocene Coralgall Banks	4.6	0.7

4. Comments :

- i. iPC has nine (9) other proposals that are ready to be ranked
 - ii. Proposals need to be ready by August, 2003 to be included in the initial program plan
 - iii. old, already-reviewed proposals need to be incorporated into the system
5. iPC will be reporting to IWG in January

III) iSSP Report (Andre Droxler, Michael Enachescu)

--- See Appendix 1 ---

IV) iSSEPs co-chair reports

1. G. Camoin summarized the charge to the committee (16 proposals to be reviewed are listed below) and reviewed the conflict of interest rules in reviewing and discussing proposals

Proposal No	Title	Them Lead	Proponent	
505-Add2	Mariana Convergent Margin	1	Fryer	I/E
537-CDP	Costa Rica Seismogenic Zone Overview	3	von Huene	I/E
537A-Full	Costa Rica Seismogenic Zone Stage 1	3	von Huene	I/E
603-CDP	NanTroSEIZE Overview	3	Kimura	I/E
603A-Full	NanTroSEIZE Reference Sites	3	Underwood	I/E
603B-Pre	NanTroSEIZE Updip Sites	3	Kinoshita	I/E
610-Full?	West Florida Margin	2	Mallinson	E
614-Pre2	Izu-Bonin Arc	3	Tamura	I
618-Pre	East Asia Margin	2	Clift	E/I
619-Pre	Indian Southern Ocean Latitudinal Transect	2	Mackensen	E
620-Pre	Hotspot Seamounts	3	Sager	I
621-Pre	Monterey Bay Observatory	1/3	McNutt	E/I
622-Pre	Chilean Fjords	2	Dunbar	E
623-Pre	Ontong Java Plateau	3	Neal	I/E
624-Pre	Atlantic Southern Ocean Paleoclimate	2	Pudsey	E
625-Pre	Pleistocene Pacific Southern Ocean	2	Gersonde	E

2. T. Byrne summarized the status of the Hydrogeology PPG – The PPG was accepted by the iSSEPs and the JOIDES Office, and an article for EOS is being drafted by the PPG committee
3. T. Byrne summarized the presentation of the iSSEP report on CDPs to iPC (in Ghent, Belgium, in August) [See Appendix 2](#).
4. T. Byrne summarized the status of the Hydrogeology PPG and the ODP Greatest Hits Vol. 2 (final title to be determined, probably « ODP Highlights »). [See Appendix 3](#).
5. The co-Chairs asked for volunteers for three working groups :
 - i. CDPs (members : DeveyScreaton, Chen, Mottle, Ildefonse, Ravelo, Ashi, Tokunaga, Byrne)
 - ii. PPGs (members : Vanko, Wilson, Filipelli, Brumsack, Flemings, Weissert, Hayes, Camoin, Ehuchi, Ildefonse, Escartin, Moran)

- iii. ODP – IODP Transition (members : Doust, Kodama, Kominz, Li, Mikada, Schuffert, Soh, Takahashi, Yamano, iSAS rep.))

Coffee break

V) Inter Ridge report (C. Devey)
See [Appendix 4](#)

VI) iSAS report (N.Eguchi and J. Schuffert)
See [Appendix 5](#)

- VII) Proposal Reviews by joint panels - iESSEP and iISSEP
1. 505-Add2 (M. Mottle left the room due to conflict of interest)
 2. 537-CDP (W. Soh left the room due to conflict of interest)

Lunch

Proposal Reviews by joint panels - iESSEP and iISSEP

3. 537A-Full
 4. 603-CDP
 5. 603A-Full
 6. 603B-Full
- (J. Ashi, H. Mikada, E. Screation and W. Soh left the room due to conflict of interest for the 603 proposals)

Monday, November 18

Proposal Reviews by joint panels - iESSEP and iISSEP

- 614-Pre2
620-Pre
623-Pre

Lunch

VIII) MEXT, OD21 and CDEX reports (H. Mikada)
See [Appendix 6](#)

IX) European report (J. Kenter and P. Pezard)
Jeroen Kenter summarized the results of a recent meeting on the « Sixth Framework for Research in Europe » which initially contained funding for IODP. Unfortunately, the specific text for IODP funding was not included as part of the final document. Although disappointing, Jeroen was cautiously optimistic that text would be reinstated or funds would become available from other sources. He expressed the need for support from the rest of IODP/ODP community to push for European involvement in IODP.

- X) Working group meetings
-

Tuesday, November 19

Proposal Reviews by joint panels - iESSEP and iISSEP

621-Pre
618-Pre

622-Pre
619-Pre
624-Pre

Lunch

XI) Working group reports :

→ The iSSEPs focused on developing criteria for evaluating CDPs and a set of guidelines for the proponents and approved the results of Working Group 1 as presented in [Appendix 7](#). Due to time constraints the results of Working Groups 2 and 3 were postponed to the next panel meeting.

1. WG-1 : Complex Drilling Projects (CDPs) (C. Devey)

[See Appendix 7](#)

2. WG-2 : PPG's and DPG's (D. Vanko)

[See Appendix 8](#)

3. WG-3 : Guide to the Proposal Review Process for IODP (J. Schuffert)

[See Appendix 9](#)

XII) Re-review of CDP proposals

→ after hearing the report from the Working Group 1 (CDPs) the panel and panel co-chairs decided to re-review two proposals that they considered fit the criteria of being a CDP.

1. 537 (W. Soh left the room due to conflict of interest)
2. 603 (J. Ashi, H. Mikada, E. Screaton and W. Soh left the room due to conflict of interest)

End of sessions

Traditional french diner in a 19th century "mas" located off Montpellier in Camargue, within the Rhone delta".

Departure from Montpellier : 18 :00

Arrival in Montpellier : 24 :00

Wednesday, November 20

XIII) Proposal recommendation summary :

→ The iSSEPs forwarded one proposal to iPC :

Proposal : # 610 Title : W. Florida Margin Proponent : Mallinson

→ The iSSEPs requested revised full proposals from 5 proponents, new full proposals from 9 proponents and a revised pre-proposal from one proponent.

→ The dispositions for all reviewed proposals is presented in [Appendix 10](#)

XIV) Motions :

1. Recommendations to iPC
 - i. Principles for developing CDP proposals (Appendix 7)

2. Recognition of panel members leaving :
 - i. iESSEP : Hayes, Screation, Brumsack
 - ii. iISSEP : Ildefonse, Mottl, Vanko

--- TEXT NEEDED ---

- XV) Items for continued discussion
 1. iSSEP panel structure and evaluation methods
→ D. Blackman, C. Ravelo, H. Weissert, T. Tokunaga and H. Yamamoto agreed to review the IODP proposal guidelines developed by iSAS (by mid-February).
 2. PPGs and DPGs

- XVI) Announcement on coming iSSEPs Meetings ; Niigata, Japan – May 22-25th with one-day field trip on the 21st.

See Appendix 11.

- XVII) New members to be welcomed in May
 1. iESSEP
 - i. Katarina Edwards, geomicrobiology (WHOI)
 - ii. Shemin Ge, hydrogeology (Univ. of Colorado)
 2. iISSEP
 - i. Nina Rosenberg, hydrogeology, gas hydrates (Lawrence Livermore National Labs)
 - ii. Carolyn Ruppel, gas hydrates, geophysics, tectonics (Georgia Tech.)

The co-Chairs thanked the iSAS Office and Benoît Ildefonse for hosting the meeting and closed the meeting at 12:00.

In the afternoon, panel members worked on reviews, and provided panel chairs with electronic copies of reviews.

Meeting Attendees:

iISSEP

Donna Blackman
Tim Byrne (co-Chair)
John Chen
Colin Devey
Benoit Ildefonse
Michelle Kominz
Hitoshi Mikada (co-Chair)
Mike Mottl
Hitoaki Ozawa (alternate)
Tomo Tokunaga
Juichiro Ashi
David Vanko
Makoto Yamano

iESSEP

Hans Brumsack
Gilbert Camoin (co-Chair)
Gabriel Filippelli
Peter Flemings
John Hayes
Kazuto Kodama
Tiegang Li
Nao Ohkouchi
Christina Ravelo
Liz Screatton
Wonn Soh
Kozo Takahashi (co-Chair)
Helmut Weissert
Paul Wilson
Hiroyuki Yamamoto

Liaisons and Guests

Harry Doust, iLP
André Droxler, iSSP
Nobu Eguchi, iSAS Office
Mike Enachescu, iSSP
Javier Escartin, iSciMP
Ulrich Harms, ICDP
Jeroen Kenter, iPC
Ted Moore, iPC co-Chair
Kate Moran, iTAP
Philippe Pezard, iPC

Jeff Schuffert, iSAS Office

List Appendices :

- Appendix 1 : iSSEp Report
- Appendix 2 : iSSEP presentation to iPC on CDPs
- Appendix 3 : iSSEP presentation to iPC on Greatest Hits vol. 2
- Appendix 4 : Inter Ridge Report
- Appendix 5 : iSAS Report
- Appendix 6 : MEXT, OD21 Report
- Appendix 7 : Working Group 1 (CDP) Report
- Appendix 8 : Working Group 2 (PPGs and DPGs) Report
- Appendix 9 : Working Group 3 (Guide to Proposal Review Process for IODP) Report
- Appendix 10 : Proposal dispositions
- Appendix 11 : Next meeting (Nigata, Japan) Report

APPENDIX 2: CDP REPORT



iSSEP comments on CDPs:

- Generally very favorable and the document successfully addressed many of the ideas and concerns expressed by the SSEP and iSSEP members at their joint meeting in November, 2001.



Critical Issues:

- If the “whole” package needs to be ready before it would be forwarded to iPC AND if each of the individual proposals within the CDP are to be reviewed separately and on their own merit, then one part of the program could derail the whole CDP, discouraging the formation of CDPs — with the default being a one-leg-at-a-time program.



- A second part of this “all or nothing” concern is that even in a well-formulated CDP, results from early legs are often needed before the scientific merits of later legs can be evaluated. In some cases, leg results are needed even before the specific scientific questions for later legs can be expressed in the form of a proposal. These might be seen as “incremental CDPs”.



Response for discussion:

- If the new program is going to really support CDPs (i.e., really be committed to supporting a specific, multi-leg, long-term program), then the Planning Committee has to see most of the proposals that will be part of that long-term program. So, yes, the proponents of a CDP will be challenged to work together and get most of the proposals that from the CDP in shape for external review.



Key is “most of the proposals”

- The Discussion Document left determining when the CDP was complete enough to be forwarded to iPC up to the SSEPs. It's this this flexibility in determining what's complete enough (and what isn't) that will allow both full and incremental CDPs to move forward in the system.



How are CDPs incorporated?

- CDPs might start with a pre-proposal package, consisting of an pre-umbrella statement and several pre-proposals. The pre-proposals could be treated as individual pre-proposals, but with the umbrella statement attached and evaluated by the SSEPs.
- The SSEPs would decide when to ask for a full proposal and decide when the CDP package was ready for external review.



APPENDIX 2: CDP REPORT



From iPC:

- ✦ Establish a CDP watchdog committee charged with:
 - ▣ 1. Providing consistent scientific oversight and evaluation of progress
 - ▣ 2. Ensuring that commitment to CDP does not unjustly waver as program progresses
- ✦ Draft IODP Guide is available

APPENDIX 7: WG1 (CDPs) Report

What is a CDP?

- It has an over-arching scientific goal
- The pathway to the goal depends on a series of interlinked components
- All components can be accomplished in a reasonably short time
- Goal cannot be accomplished as a series of stand-alone legs

The Generic CDP Proposal

- Overview of the whole project with the vision and ultimate goals and the road to those goals. Clearly show why this problem cannot be solved as a series of individual legs (max. 15 pages)
- Show the individual components with the minimum goals these must achieve, their operational constraints (e.g. recovery, water and penetration depths, seasonal windows) and state of readiness of each component (max. 3 pages per component on average)

Dealing with a CDP proposal

- Submit as pre-proposal (10 pages max., structure as Full Proposal)
- SSEPs evaluate appropriateness and readiness for full proposal
- If ready: Full CDP proposal as outlined on previous page submitted plus at least the first component proposal as full proposal
- If ready: External review of CDP+Component(s) as package
- If ready: To iPC
- If accepted, iPC sets up DPGs for duration of CDP
- Submit subsequent component proposals as full proposals (no pre-s, watch deadline). DPG does QC
- DPG report to iPC regularly on progress
- These components will be reviewed externally immediately with CDP included as umbrella information

APPENDIX 8: WG2 (PPGs) Report

Proposal pressure – are there any gaps? We identified three.

◆ A. Solid Earth: oceanic crustal formation

- * Ridge activities such as Integrated Study Sites, etc.
- * Ocean drilling is necessary, planned for future.
- * Are MOR researchers convinced that ocean drilling on zero-age crust is possible?

B. Deep Biosphere

- ◆ Although a highlight of the Science Plan, deep biosphere is often just a paragraph in each proposal
- ◆ Deep Biosphere leg just finished – need time.
- ◆ Deep Biosphere PhDs are just getting started.

C. Continental Margins to Sedimentary Basins: Systematic studies source-to-sink

- ◆ Are proponents looking at marine sections exclusively?

Four more issues:

- ◆ 1. External forcing and rapid climate change.
 - * Other than the IMAGES preproposals, no proposals.
 - * The broader community may not appreciate what ocean drilling can do. May think a 2-month program is too long.

2. Need to increase IODP collaborations with other efforts

- ◆ IMAGES
- ◆ InterRIDGE
- ◆ Long-term observatories

Possible solutions

- ◆ Identify science the IODP can achieve for them
- ◆ Suggest that choice of SSEPs members by national committees attempt to include representatives from these groups

APPENDIX 8: WG2 (PPGs) Report

3. Expand the reason for a PPG beyond just filling gaps in proposal pressure vis a vis the scientific plan. Include the generation of more proposals in exciting areas from the ISP.

4. Some PPGs did not produce a final, public product. Formal reporting procedure should include a timely report published (web) for public. Feet to fire! Accountability.

APPENDIX 9: WG3 (IODP Proposal Guide) Report

Working Group 3

- Guide to IODP Proposal Review Process
- Transition to IODP

Doust, Kodama, Kominz, Li, Mikada, Schuffert, Soh, Takahashi, Yamano

iSSEPs meeting - Nov 2002

Recommendations

- Guide to IODP
- SSEPs structure
- Proposal requirements
- Proposal review process

iSSEPs meeting - Nov 2002

Guide to IODP

- Volunteers from iSSEPs review guide and provide comments within 3-4 weeks

iSSEPs meeting - Nov 2002

SSEPs Structure

- Single panel
- 3 co-chairs - E, I, B
- 30-35 members

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Proposal Requirements

- Keep page limits the same
- Exclude references from page limits
- Continue to include figures in page limits

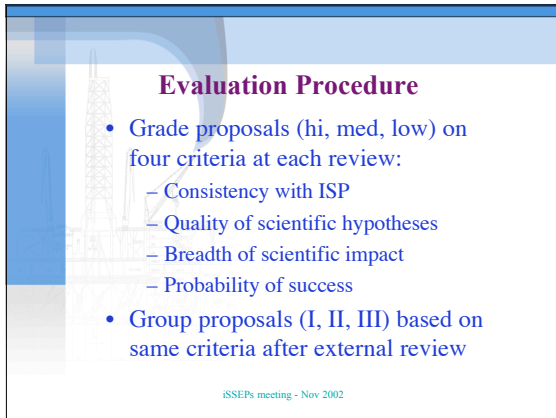
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Proposal Review Process

- Externally reviewed proposals should still go automatically to PC
- SSEPs provide advice to PC through review comments and grouping
- Evaluation criteria should be well defined and clearly communicated to proponents at all stages

iSSEPs meeting - Nov 2002

APPENDIX 9: WG3 (IODP Proposal Guide) Report



Evaluation Procedure

- Grade proposals (hi, med, low) on four criteria at each review:
 - Consistency with ISP
 - Quality of scientific hypotheses
 - Breadth of scientific impact
 - Probability of success
- Group proposals (I, II, III) based on same criteria after external review

iSSEPs meeting - Nov 2002

APPENDIX 10: SSEP Proposal Dispositions

SSEP Dispositions - Nov. 2002

Proposal No	Title	Ther Lead Proponent	iSSEPs Recommendation
1 505-Add2	Mariana Convergent Margin	1 Fryer	<i>Submit revised Full proposal</i>
2 537-CDP	Costa Rica Seismogenic Zone Overview	3 von Huene	<i>Submit revised Full proposal</i>
3 537A-Full	Costa Rica Seismogenic Zone Stage 1	3 von Huene	<i>Submit revised Full proposal</i>
4 603-CDP	NanTroSEIZE Overview	3 Kimura	<i>Submit revised Full proposal</i>
5 603A-Full	NanTroSEIZE Reference Sites	3 Underwood	<i>Submit revised Full proposal</i>
6 603B-Pre	NanTroSEIZE Updip Sites	3 Kinoshita	<i>develop Full proposal</i>
7 610-Full2	W. Florida Margin	2 Mallinson	<i>forward to iPC w/PRL</i>
8 614-Pre2	Izu-Bonin Arc	3 Tamura(Ishizuka)	<i>submit revised Pre proposal</i>
9 618-Pre	East Asia Margin	2 Clift	<i>develop Full proposal</i>
10 619-Pre	Indian Southern Ocena		
11 620-Pre	Latitudinal Transect	2 Mackensen	<i>develop Full proposal</i>
12 621-Pre	Hotspot Seamounts	3 Sager	<i>develop Full proposal</i>
13 622-Pre	Monterey Bay Observatory	1/3 McNutt	<i>develop Full proposal</i>
	Chilean Fjords	2 Dunbar	<i>develop Full proposal</i>
14 623-Pre	Ontong Java Plateau		
	Atlantic Southern Ocean	3 Neal	<i>develop Full proposal (option workshop?)</i>
15 624-Pre	Paleoclimate	2 Pudsey	<i>develop Full proposal</i>
16 625-Pre	Pleistocene Pacific Southern Ocean	2 Gersonde	<i>develop Full proposal</i>