

# 統合国際深海掘削計画 (IODP) 会議報告書

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会議名	IODP #7 SEEP 会議
会議期間	2006年11月13日～16日
用務地 (国・都市)	札幌, 日本

## 1. Joint Session, Reports

### 1.1. Introduction of panel members, liaisons, and guests.

### 1.2. Opening remarks by local host.

Naokazu Ahagon welcomed attendees and summarized logistics.

### 1.3. Approval of last SSEP meeting minutes

**SSEP Consensus 0611-1:** The SSEP approves the minutes of their 6th SSEP meeting on 29 May-01 June 2006, Potsdam, Germany.

### 1.4. Approval of SSEP meeting agenda

**SSEP Consensus 0611-2:** The SSEP approves the revised agenda of their 7th meeting on November 13-16, 2006, Sapporo, Japan.

### 1.5. Introduction to meeting organization

Ryuji Tada briefly reviewed the meeting agenda and described how the meeting would be organized.

### 1.6. SPC Report

Jim Mori reported on outcomes of the 8<sup>th</sup> meeting of the Science Planning Committee, which was held in Bergen/Os, Norway, 28-31 August 2006.

### 1.7. SSP Report

Yoshikazu Yaguchi reported on outcomes of the 6<sup>th</sup> meeting of the Site Survey Panel, which was held in Sapporo, 24-26 July, 2006.

### 1.8. USIO Report (United States Implementing Organization)

Cedric John reported on personal changes and operational activities of the United States Implementing Organization (JOI Alliance), and SODV update.

### **1.9. CDEX Report (Japan Implementing Organization)**

Kan Aoike reported on Chikyu shakedown cruise and schedule of Chikyu.

### **1.10. ESO Report (European Implementing Organization)**

David McInroy reported on recent status of Expeditions 302, 310 and 313, future expeditions, and engineering and other developments.

### **1.11. IODP-MI Report**

Jeff Schuffert reported on activities at IODP-MI including SAS meeting schedule, proposal submission statistics, possible SSEP recommendations, workshop update, SSEP rotations, and personnel changes. Greg Myers presented an IODP engineering update.

## **2. Meeting Overview**

### **2.1. Reviewing process**

Ruediger Stein reviewed the SSEP mandate, conflict-of-interest rules, confidentiality of proposals, proposal review process, purpose of breakout sessions, the purpose and content of general sessions, the content of final reviews for proposals forwarded to SPC, and 5 star grouping system.

### **2.2. CDP rules**

Mike Underwood gave an introduction on the criteria for identification, characteristics, and the process of designation of Complex Drilling Project (CDP).

### **2.3. Impact of recent IODP-MI workshops on proposal reviews**

Mike Underwood led informal reports and discussion on recently held workshops that were sponsored by IODP-MI: Fault Zone Drilling, Mission Moho, Continental Break-Up, Sub-seafloor Life, and Chicxulub Impact Crater. Panel members and guests who attended the workshops provided brief summaries of activities and outcomes.

## **3. Breakout Sessions**

A total of 15 proposals were reviewed during the meeting. New external reviews were available for 1 proposal. Panel members were subdivided into three breakout sessions for detailed discussions of the proposals: BS1: *Faults and Fluids* (chaired by Mike Underwood); BS2: *Ocean History and Paleoclimate* (chaired by Ruediger Stein); BS3: *Solid Earth* (chaired by Ryuji Tada).

The conflict of interest rules and confidentiality requirements were respected during the entire review procedure (breakout sessions, general sessions, and grouping). The course of action regarding each of the 15 proposals reviewed during the Sapporo meeting was achieved by consensus of the full panel. The dispositions are as follows:

Pre-Proposal: request Pre2 Proposal = 2

Pre-Proposal: request Full Proposals = 4

Pre-Proposal: Special Case = 1 (see recommendation below)

Full Proposal: forward to SPC = 2

Full Proposal: send for External Review = 2

Full Proposal: request revision = 1

Full Proposal: request revision or CDP = 1

Full Proposal: request revision or new APL= 1

Full Proposal: deactivate = 1

A qualitative grouping was assigned to the two proposals forwarded to the SPC using the revised 5-star scale. Each grouping was obtained by consensus of the full panel.

#### **4. Discussion on Workshops**

Mike Underwood gave a brief summary on the present state of the two workshop proposals, “Dynamics of the Earth System during Extreme Climates of the Cretaceous and Paleogene” and “Ultra-high resolution of Paleoclimate”, which SSEP recommended to SPC at the last SSEP meeting in Potsdam. SPC endorsed SSEP’s recommendation and forwarded the two proposals to SASEC for consideration. SASEC did not formally accept these two workshop proposals, but encourages submission of revised proposals for the next annual call for IODP-MI sponsored workshops Feb 01, 2007. Proposal submission and further planning and organization of the workshops will be the responsibility of the steering committees, including additional funding sources. Mike Underwood also explained a role of the workshops in planning for Missions and SSEP role in recommending topics for workshops.

#### **5. Discussion on Mission Implementation**

Mike Underwood gave an introduction on the definition, goals, overarching principles, and potential problems of the IODP Mission, as approved by SASEC during their last meeting. He further explained call for Mission proposals schedule, format of proposals, proposal

review process and mechanism, criteria for proposal evaluation, and SSEP's role in proposal evaluation process.

#### **6. Recommendation related to 705-Pre2 (Santa Barbara Basin)**

The SSEP recognizes 705-pre2 (Santa Barbara Basin) as a special case. The primary scientific objectives and potential results of this proposal are extremely exciting; however, the proposal cannot proceed forward without a drilling strategy that adequately addresses environmental and safety issues. To expedite the process, proponents need to be guided on viable strategies. The full panel agreed to the following recommendation by consensus:

**SSEP Recommendation 0611-3:** The SSEP recognizes 705-Pre2 as a special case, and suggests that one or more meetings should occur with various "stakeholders", including (a) proponents, (b) EPSP members, (c) potential science operators, and (d) IODP engineers to develop an adequate drilling strategy that meets EPSP criteria. The SSEP recommends that the first of these meetings coincide with the scheduled June 2007 EPSP Meeting.

#### **7. Nomination and Election of a next co-chair candidate**

Gail Christeson nominated Barbara John to serve as the next Co-Chair of SSEP, Mike Underwood. Julia Morgan seconded the nomination. The nomination of Barbara John was approved by vote of the full panel, using paper ballots.

**SSEP Recommendation 0611-4:** The SSEP recommends that SPC consider Barbara John for appointment as the next Co-Chair of SSEP.

#### **8. Next SSEP meetings**

Julia Morgan announced that the 8<sup>th</sup> SSEP meeting has been scheduled in Rice University, Houston, Texas, U.S.A. Tentative dates are May 29 to June 1, 2007. Frédérique Eynaud kindly extended an invitation for the 9<sup>th</sup> SSEP meeting to be held in France (Bordeaux or Paris?) in November, 2007.

## **9. Other items**

Robert Zierenberg proposed to have a discussion on technologies needed for difficult drilling/coring and to make a roadmap for technology development during the next SSEP meeting. Mike Underwood suggested inviting a liaison from the EDP for the next SSEP meeting to give an overview about existing technologies and development plans, followed by a discussion on what new techniques are needed from the SSEP point of view.

**SSEP Consensus 0611-5:** The SSEP approved to include discussion on technologies for difficult drilling and request a liaison from the Engineer Developing Panel to participate in the next SSEP meeting.

## **10. Resolutions for outgoing SSEP members**

Resolutions were presented thanking outgoing SSEP members for their years of dedication: Junichiro Ishibashi, Takashi Ito, Joerg Erzinger, and Juergen Thurow.

## **11. Conclusion**

The co-chairs Ryuji Tada, Ruediger Stein, and Mike Underwood thanked again the host Naokazu Ahagon for his excellent logistical arrangements, guided tours, and warm hospitality throughout the meeting. The co-chairs thanked all of the panel members for their dedication and hard work. Watchdogs submitted drafts of all proposal reviews to the IODP-MI science coordinators (Jeff Schuffert, Barry Zelt, and Nobu Eguchi) before the meeting ended.