

**Chikyu IODP Board #1 meeting**  
**23-25 July 2013**  
**Miyoshi Memorial Auditorium**  
**JAMSTEC Yokohama Institute for Earth Sciences (YES)**  
**List of Participants**

Name	Institution
<b>Members</b>	
Wataru Azuma	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Hodaka Kawahata	The University of Tokyo, Japan
Gaku Kimura	CIB Chair - The University of Tokyo, Japan
Yuzuru Kimura	Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan
Casey Moore	University of California, Santa Cruz, USA
Kenneth Nealsen	University of Southern California, USA
Yoshiyuki Tatsumi	Kobe University, Japan
Heinrich Villinger	University of Bremen, Germany
<b>Liaisons</b>	
Keir Becker	IODP Forum chair - University of Miami, USA
David Divins	US Implementing Organization (USIO) - Consortium for Ocean Leadership, USA
Robert Gatliff	European Science Operator (ESO), British Geological Survey, UK
Holly Given	IODP-Management International, Inc./IODP Support Office, USA
Susan Humphris	JR Facility Board Chair - Woods Hole Oceanographic Institution, USA
Masa Kinoshita	Kochi Core Center (KCC), Japan
Dick Kroon	PEP chair - The University of Edinburgh, UK
Gilles Lericolais	SCP Chair - Institut français de recherche pour l'exploitation de la mer (IFREMER), France
<b>Observers</b>	
Naokazu Ahagon	Kochi Core Center (KCC), Japan
Jamie Allan	National Science Foundation, USA
Yoshito Ando	Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan
Nobu Eguchi	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Lallan Gupta	Kochi Core Center (KCC), Japan
Stuart Henrys	GNS Science, New Zealand
Shinji Hida	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Hitoshi Hotta	JAMSTEC, Japan
Yuichi Inoue	Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan
Akira Ishiwatari	Japan Drilling Earth Science Consortium (J-DESC) - Tohoku University, Japan
Thomas Janecek	National Science Foundation, USA
Issa Kagaya	IODP-Management International Inc., Japan
Shomei Kobayashi	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Nori Kyo	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Shigemi Matsuda	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Sidney L. M. Mello	IODP-Capes/Brazil Office, Universidade Federal Fluminense, Brazil
Shin'ichi Mizumoto	JAMSTEC, Japan
Kyaw Moe	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Shigemi Naganawa	The University of Tokyo, Japan
Yoko Okamoto	Marine Works Japan, Ltd.
Kentaro Saeki	Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan
Ikuo Sawada	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Jeff Schuffert	US Science Support Program (USSSP), Consortium for Ocean Leadership, USA
Toshikatsu Sugawara	Marine Works Japan, Ltd.
Kazuhiro Sugiyama	Marine Works Japan, Ltd.
Kiyoshi Suyehiro	IODP-Management International Inc., Japan
Asahiko Taira	President of JAMSTEC, Japan
Sean Toczko	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Kumiko Tsukamoto	Australian Education International, Australian Embassy, Japan
Shouting Tuo	IODP-China Office, Tongji University, China
Michiko Yamamoto	IODP-Management International Inc., Japan
Masaoki Yamao	Center for Deep Earth Exploration (CDEX), JAMSTEC, Japan
Chris Yeats	Australian/New Zealand IODP Consortium, Australian Resources Research Centre, CSIRO, Australia
<b>Other CDEX Attendees</b>	
Akiko Fuse	
Shinya Goto	Tomokazu Saruhashi
Kiyoshi Hatakeyama	Koji Takase
Yoshihisa Kawamura	Aki Tanaka
Hiroyuki Kikuta	Keita Umetsu
Shin'ichi Kuramoto	Yasuo Yamada
Tamano Omata	

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**List of Consensus Items**

**CIB\_Consensus\_0713-01:** The CIB approved the #1 meeting agenda as proposed.

**CIB\_Consensus\_0713-02:** The CIB accepted proposed CIB Conflict of Interest policy.

**CIB\_Consensus\_0713-03:** The CIB selected Ken Neilson as Vice-Chair when the Chair is conflicted.

**CIB\_Consensus\_0713-04:** The CIB recommended including CIB selected scientists on the Proposal Advisory Team (PAT) membership in its terms of reference.

**CIB\_Consensus\_0713-05:** The CIB approved proposed Project Coordination Team (PCT) Terms of reference.

**CIB\_Consensus\_0713-06:** The CIB recommended including submission of the workshop report to community-wide publications (e.g., EOS, Scientific Drilling) in the *Chikyu* IODP Full Proposal Development Workshop Funding Guidelines.

**CIB\_Consensus\_0713-07:** The CIB recognized that there is no need for “ad-hoc Riser PEP”. CDEX personal and specialists as well as CIB selected additional selectees may join regular PEP meeting as needed when Riser Full proposal to be reviewed.

**CIB\_Consensus\_0713-08:** The CIB endorsed proposed general three-year *Chikyu* riser expedition scheduling process.

**CIB\_Consensus\_0713-09:** The CIB endorsed the revised comprehensive process toward *Chikyu* expedition flow chart.

**CIB\_Consensus\_0713-10:** The CIB made a request to JRFB to use PEP and SCP for all pre and full proposals.

**CIB\_Consensus\_0713-11:** The CIB made a request to JRFB to use EPSP for *Chikyu* riserless operation.

**CIB\_Consensus\_0713-12:** The CIB endorsed to use a biannual proposal submission deadline (1 April and 1 October).

**CIB\_Consensus\_0713-13:** The CIB endorsed to evaluate Riser full proposal workshop proposal once annually (March).

**CIB\_Consensus\_0713-14:** The CIB endorsed slightly modified (CIB\_Consensus\_0713-05) Proposal Advisory Team (PAT) terms of reference.

**CIB\_Consensus\_0713-15:** The CIB endorsed slightly modified (CIB\_Consensus\_0713-06) *Chikyu* Riser full proposal workshop funding guidelines.

**CIB\_Consensus\_0713-16:** The CIB endorsed JFY 2014 and 2015 NanTroSEIZE operations as proposed by CDEX (assuming funding is appropriately allocated).

**CIB\_Consensus\_0713-17:** The CIB approved a suggested change in the agenda: postpone Agenda Item 8 and holding executive session regarding remaining items for Agenda Item 7.

**CIB\_Consensus\_0713-18:** The CIB designated both IBM and CRISP as *Chikyu* Projects.

**CIB\_Consensus\_0713-19:** The CIB endorsed *Chikyu* riserless operation in the below criteria (but not limited to).

- Riserless operation beyond JR capability (e.g., ultra deep water).
- Riserless operation in the regions where JR will not be for many years (e.g., W. Pacific after FY2014).
- Riserless operation on the way to/from e.g., industry operations.

**CIB\_Consensus\_0713-20:** The CIB recommended to establish a PCT for IBM and CRISP.

**CIB\_Consensus\_0713-21:** The CIB recommended the following PCT membership selection procedures:

- CIB chair contacts to PI and ask a list of additional scientists for PCT member.
- CIB review the list and pick 2 additional scientists as PCT member.
- CDEX provides operational/engineering members.

**CIB\_Consensus\_0713-22:** The CIB in principle agreed upon a common platform “IODP Environmental Principles”. The CIB will review CDEX proposed revisions, in time for August 2013 JRFB meeting.

**CIB\_Consensus\_0713-23:** The CIB agreed upon a common platform “Sample, Data and Obligation Policy”. Three FB chairs send a message to curators requesting implementing procedures.

**CIB\_Consensus\_0713-24:** The CIB agreed upon a common platform “Proposal Submission Guidelines”. Small working group across FBs will work some modification prior to the next proposal submission deadline of 1 October 2013.

**CIB\_Consensus\_0713-25:** The CIB agreed upon a common platform “Onboard Measurements Guidelines”. Small working group across FBs will work its contents and the CIB support office will inform CIB at the next meeting.

**CIB\_Consensus\_0713-26:** The CIB wait for *Chikyu* version of “Third Party Tool Guidelines” at its next meeting.

**CIB\_Consensus\_0713-27:** The CIB agreed that the chairs of the boards (CIB, JRFB and ECORDFB) ask the three curators at the core repositories to update the Sample, Data & Obligation Policy, especially that they split up the document in a fairly short (two to three pages) policy statement and an implementation plan which contains all the details (see also CIB\_Consensus\_0713-23). The role of the Curatorial Advisory Board should also be defined in this document. The CIB encouraged that the geographic core distribution model should be kept as it is.

**CIB\_Consensus\_0713-28:** The CIB endorsed maintaining same quality and format of IODP expedition related publications.

**CIB\_Consensus\_0713-29:** The CIB endorsed continuing to use the TAMU Publication team for *Chikyu*-related IODP expedition documents.

**CIB\_Consensus\_0713-30:** The CIB chose its next meeting for 11 – 13 March 2014 in Yokohama.

*Note; this consensus item has been amended after the meeting, the final meeting schedule of next meeting is 18 – 20 February 2014.*

*The following consensus items were electronically made after #1 CIB meeting.*

**CIB\_Consensus\_0713-31:** The CIB established CRISP Project Coordination Team. The team member consists of César Ranero (Chief Project Scientist; CPS), Kohtaro Ujiie (CPS), Susan Bilek (member), Christian Hensen (member), Ikuo Sawada (CDEX), Nobu Eguchi (CDEX), Sean Toczko (CDEX), and Nori Kyo (CDEX).

**CIB\_Consensus\_0713-32:** The CIB established NanTroSEIZE Project Coordination Team. The team member consists of Harold Tobin (Chief Project Scientist; CPS), Gaku Kimura (CPS), Kyuichi Kanagawa (member), Demian Saffer (member), Masataka Kinoshita (member), Michael Strasser (member), Michael Underwood (Science Coordinator), Greg Moore (Science Coordinator), Eiichiro Araki (Science Coordinator), Yasuhiro Yamada (Science Coordinator), Ikuo Sawada (CDEX), Nobu Eguchi (CDEX), Sean Toczko (CDEX), and Nori Kyo (CDEX).

**CIB\_Consensus\_0713-33:** The CIB endorsed the CIB workshop proposal submission guidelines.

**CIB\_Consensus\_0713-34:** The CIB accepted a fast-track review of JTRACK workshop proposal.

**CIB\_Consensus\_0713-35:** The CIB reviewed JTRACK workshop proposal and endorsed its implementation.

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**Final Minutes ver.1.0**

**Day-1**

**Tuesday, 23 July 2013**

### **1. Welcome and Introductions**

(08:58 h)

Chair G. Kimura welcomed the CIB members, liaisons and observers and asked JAMSTEC Executive director Hitoshi Hotta to deliver the opening remarks. H. Hotta welcomed the group and shared his hopes for a successful and fruitful meeting. He informed everyone that the CIB meeting was a very important meeting for *Chikyu* operations within the new IODP framework and JAMSTEC would continue to operate *Chikyu* for scientific ocean drilling. H. Hotta also mentioned that *Chikyu* did both scientific and industrial work last year and learned from those operations that efficient operation of the vessel was most important for JAMSTEC. He also introduced the new JAMSTEC vision document describing the next 10 – 15 years of operation. Shomei Kobayashi briefed the group on logistics, coffee breaks, and lunch possibilities outside/cafeteria and the BBQ reception tonight. Shigemi Matsuda gave a brief description of emergency escape routes and instructions. Chair G. Kimura began and led self-introductions (all around).

### **2. Approval of Agenda**

(09:17 h)

Chair G. Kimura described the meeting agenda: the expected meeting goals, schemes, and other reviews; Policies and guidelines to be reviewed, Expected collaboration with the MSP (ECORD) and JR (NSF) FB. Make recommendations for future *Chikyu* & CIB panels. Advance *Chikyu* riserless drilling opportunities. Chair G. Kimura also introduced the modified version of Robert Rules of Order and the CIB member agreed on using them for the meeting. In brief, all agenda points would be agreed upon by consensus, after each item was discussed; there would be flexibility in the time allotted per point, and for the agenda organization as well. Some small revisions, differing from the emailed version were discussed. In answer to Holly Given's question, the Japanese FY terms are April to the following March. Masa Kinoshita asked if FY14 operation plan was endorsed, the chair answered that would be discussed under Agenda Item 10.

The Agenda was approved by consensus.

<b>CIB_Consensus_0713-01:</b> The CIB approved the #1 meeting agenda as proposed.
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### **3. Framework of the new IODP**

(09:30 h.)

Yuzuru Kimura of MEXT briefly described the new framework of the International Ocean Discovery Program (IODP), and a brief summary of the establishment of 3 facility boards (FBs) to independently operate each platform; the NSF and ECORD have already established their facility boards, and this is the inaugural meeting for *Chikyu*. Some discussion points for the evaluation of riser proposals remain. A project partner office is

planned; its start is delayed but it is in the future scope. A berth exchange between NSF and ECORD has already been agreed upon. Even though platforms are operated independently, the program work together. There are new member countries/consortium associated with JRFB, while JAMSTEC partners are only starting to line up now. This is MEXT's understanding of the situation.

Keir Becker pointed out that the IODP Forum was not a decision-making group or the highest authority of the program as shown in the presentation. While driven by the funding agencies, it can be used to open discussion items for IODP forwarded to the board.

Susan Humphris – The diagram showing the relationship between the different FBs and IODP Panels is not quite correct. Tom Janecek (NSF) and Gilbert Camoin (EMA) have been asked to review it.

Heinrich Villinger questioned the lack of connection between the SSDB to *Chikyu* activities in the diagram. James Allan answered that the support office would be supporting SSDB activities as an important part of the proposal handling, and that function was part of JR facility advisory panels. The definition of riser proposal should be decided first on how to use the SSDB for *Chikyu* operations.

H. Villinger and Yoshiyuki Tatsumi had questions about the specific connection between the CIB and the panels listed. Discussion on the connections was put on hold until after Holly Given's presentation about the science support office function and the CIB riser panel discussion planned for the next day.

(09:45 h.)

Wataru Azuma – Described the *Chikyu* business model. Ideal *Chikyu* operations a year will be 5 months IODP, 5 months non-IODP and 2 months ship maintenance model. Budgets include not only MEXT funding, but also commercial contributions. CDEX is also seeking partnerships to donate money as extra support. In-kind contributions are also welcome. The non-IODP operation time windows include commercial operations, and JAMSTEC in-house operations. Two months/year needed for ship maintenance. The funding structure was described: 10 M USD/month for riser drilling, and 50 M USD for 5 months riser expedition. Riserless operations run at nearly 50% of this. Therefore, non-IODP operations needed for budget support.

Casey Moore asked about the stability of this business model. W. Azuma affirmed that it's highly variable, year-by-year. Hodaka Kawahata asked about having longer continuous drilling seasons. Also, who is responsible for the commercial contracts, MEXT or JAMSTEC? W. Azuma confirmed that 10 months continuous operation across Japanese fiscal years would be possible and commercial contract is dependent on JAMSTEC top management. The 10 M USD figure for riser drilling is competitive level compare to commercial platforms.

Chair G. Kimura moved to the next item: *Chikyu* membership.

#### **4. *Chikyu* membership**

(09:55 h.)

W. Azuma described several categories of membership: Regular members, Project members, and Partnership members. The dues levels are 1 M USD per year for regular members, 10 M USD per project members, 300 K USD per year, for partnership members; this category only applies to new or developing countries. In clarification to a question from C. Moore, commercial ventures/project are not included in this scheme, as they are private contracts.

There was discussion on how long are “*Chikyu* Expeditions” and how many berths are actually awarded by expedition, by partnership level. W. Azuma answered that normal “*Chikyu* Expedition” would be 5 months; therefore more than once scientist can occupy one berth.

There was also discussion on the terms and definitions of the various membership schemes. Essentially, it was noted by Chris Yeats that a more conservative reading would severely limit the possible entities applying for membership. W. Azuma answered that we would like to keep discussing this issue in the future.

Chair G. Kimura Called for a coffee break.

*COFFEE BREAK*

## **5. *Chikyu* IODP Board Terms of Reference**

(10:30 h.)

Chair G. Kimura proposed to extend item #6 to 1 hour, and shrink lunchtime by 1 hour. All agreed.

Chair G. Kimura moved to the IODP terms of reference Agenda Item.

W. Azuma presented the proposed *Chikyu* IODP Board (CIB) decision-making timeline. Essentially, 3 years minimum are needed to prepare a drilling project. A discussion began on the Terms of Reference (ToR) list. The CIB mandate #3 “Data management, core curation, publication, capacity building, outreach programs, and other related activities” discussion was postponed until the data policy discussion (Item #16) is on the table. H. Villinger asked if the CIB is to review all proposals? Y. Tatsumi also expressed confusion with CIB roles & duties related to proposals. T. Janacek stated that the CIB should decide to what extent, and how, they would like to use the JRFB Panels then propose that to JRFB. C. Moore suggested that the current panels continue playing the same roles in new IODP. The discussion will continue after more work on the CIB timeline. The immediate question was getting an endorsement of next year’s IODP NanTroSEIZE expedition. With the JPFY ending in March and beginning in April, C. Yeats noted that a March meeting would be too late to discuss the following FY operations. Yasuo Yamada said that the timing is not that short, as JAMSTEC’s budget is fixed in February. N. Eguchi moved that the CIB ToR be amended, but after more discussion, perhaps adding to item #16, where data policy gets inline with MSP and JR FBs.

(11:05 h.)

Chair G. Kimura moved to add this to Item #16, and that we move on to the conflict of interest (COI) discussion. Discussion focused on whether specific details of COI should be written out, or is it sufficient for a general understanding of COI among the CIB members? Is it enough for a declaration of COI? H. Villinger declared COI as being a member of the CRISP proposal, but as an absolutely inactive member. Masa Kinoshita stated that many CIB members are conflicted over many proposals. With agreement that: 1. COI should be verbally identified at the CIB, 2. Many CIB members are in proposal proponent’s lists, but not necessarily active or even aware of this, 3. K. Becker suggested that such cases should have CIB members voluntarily remove names from proposal proponent’s lists. COI discussion led to recognition that Chair can be conflicted and may have to recuse self. Therefore, submitted that a vice chair be created and that Kenneth Neilson be appointed. Consensus agreement on his appointment.

Conflict of interest of the meeting participants were declared and recorded as follows.

Gaku Kimura; NanTroSEIZE (603), conflicted.  
Masa Kinoshita; NanTroSEIZE (603), conflicted.  
Yoshiyuki Tatsumi; IBM-4 (698), conflicted.  
Heinrich Villinger; CRISP (537), not conflicted.  
Casey Moore; NanTroSEIZE (603), not conflicted.

**CIB\_Consensus\_0713-02:** The CIB accepted proposed CIB Conflict of Interest policy.

**CIB\_Consensus\_0713-03:** The CIB selected Ken Neelson as Vice-Chair when the Chair is conflicted.

Chair G. Kimura moved that the discussion move to the next issue: ECORD and JR Facility Board interactions with the CIB. Shinji Hida presented that each FB will send liaisons to the other FB meetings. This relationship is established in this framework. Any other issues can and should be raised here. S. Humphris pointed out that the JRFB is responsible for the various panels, which advise both ECORD and JRFB. JRFB is waiting for CIB and ECORD feedback on the perceived roles and value of the panels.

## 6. JR Advisory Panels overview

PEP

(11:35 h.)

Dick Kroon presented an overview of the PEP, and its' functions. Previously, technical feasibility has not been part of the PEP evaluations. There are data sets, like site survey data, that need to be provided or scheduled. These surveys may need to secure outside funding, or funding might be needed for operational parts of the science plan (e.g. observatory hardware), which will need to be specified in the proposal package. Discussion on including the advice and input from technical experts recommended by the Platform Operator (CDEX), ended with a decision to discuss in more detail as part of the proposed "Ad-hoc" PEP by CDEX. Chair G. Kimura moved to start discussing the SCP after a 15-minute break.

SCP

Gilles Lericolais presented on the Site Characterization Panel (SCP), including a discussion on the new SCP tasks, the site characterization matrix and classification scheme. Once complete, Chair G. Kimura moved to break for lunch and return at 13:30 h. to comment on G. Lericolais' talk.

LUNCH

(13:32 h.)

EPSP

S. Humphris presented on the Environmental Protection and Safety Panel (EPSP) for EPSP chair Barry Katz. EPSP provides safety and environmental advice associated with drilling proposals. Brings the proponents into the discussion, different from other panels. Can make several recommendations or requests. Can deny approval for drilling. All who serve on panel are specialists. Normally, the proponents or expedition co-chiefs need to prepare a safety review report for EPSP. Question to the CIB including, will EPSP be asked to review *Chikyu* drilling proposals? How will their review be used in planning *Chikyu* expeditions? What mechanism shall we use for the CIB to provide feedback to the JRFB as to the usefulness and effectiveness of EPSP review? Chair G. Kimura mentioned that these questions would be answered in the discussion under Agenda Item 7.



## 7. Roadmap for *Chikyu* Expeditions

**Note:** This Agenda Item had been discussed on several occasions during the meeting, including two executive sessions. In this meeting's minutes, all discussions under this Agenda Item are summarized here.

N. Eguchi presented a summary of the new *Chikyu* project guidelines for proposals and evaluation process, the process including JRF Advisory Panel usage. How should the CIB best utilize the JRF Advisory Panels is one of the key discussion point under this Agenda Item. Also, newly introduced Proposal Advisory Team (PAT), Project Coordination Team (PCT), Technical Advisory Team (TAT), and the *Chikyu* workshop concept was explained.

A discussion began on the process details, including workshop, riser ad-hoc PEP, and usage of EPSP and proposal submission deadlines. Workshops approved by CIB would be funded by JAMSTEC. At this CIB meeting the first riser full proposal deadlines should be decided first, and then the follow-up duration/interval for next submission deadline would be decided. Use the EPSP for *Chikyu* is limited to riserless expeditions; the JAMSTEC safety committee (*Chikyu* Safety Review Committee) will review riser operation safety. Another item of debate was the concept of the "Ad-Hoc" PEP – is it necessary to designate an entire new panel of people, or can a small group be melded into the current PEP, when required? These items were left for more discussion. One important point, emphasized by J. Allan, was that with the large costs involved in riser drilling projects, a great deal of planning is necessary, in very close collaboration with the operator, to ensure mission success.

(14:46 h.)

Kyaw Thu Moe presented the riser project preparation schedule. The PCT steps in once feasibility deemed workable. Geology and Geophysics group in CDEX begins working on the first-level site investigations and environmental (weather, sea currents) survey. Subcontractor & logistics survey are needed as well. Initial budget estimate set 3 years before expected expedition start; this is especially true for overseas riser project locations. H. Villinger confirmed with K. Moe that the geomechanics and additional seismic surveys are funded by CDEX. Personnel limitations dictate that only 2 projects can be handled simultaneously.

There was discussion led by Y. Tatsumi over the CIB's workload for the next 10 years. Chair G. Kimura pointed out that the CIB is charged with moving *Chikyu* into the next 10-year phase of IODP, following the groundwork laid out by the *Chikyu*+10 Workshop. Even so, proposals should be encouraged even if chances for implementation during this phase seem remote. A break was called for until 15:30 h.

### *Chikyu* safety Review Committee (CSRC)

(15:30 h.)

S. Matsuda presented the subcommittees of the *Chikyu* Safety Review Committee (CSRC); this committee consists of two or more sub-committees, currently Site Geohazards, Drilling Operation sub-committees are considered. The expertise of the member of CSRC will be, drilling operations, marine operations, hole stability, ship safety, ship engineering, as well as geology and geophysics and CSRC reports to the CIB and makes a recommendation to the CDEX director general. The basic reviewing concept will be after a full proposal is designated as a project, Site Geohazards sub-committee review a safety package prepared by the proponent, once a drilling program is made by CDEX, Drilling Operation sub-committee review the program and verify operational feasibility/safety and report to the CSRC. The CSRC then gives verification and necessary advice/recommendation based on feedback from those sub-committees to the CDEX director general. S. Humphris reminded everyone that the EPSP reviews for riserless proposals would occur after the proposal had been forwarded to the CIB for evaluation.

Chair G. Kimura moved to address the PAT and then the PCT and Workshop structure.

#### Proposal Advisory Team (PAT)

(15:37 h.)

N. Eguchi began discussing the PAT terms of reference (ToR), asking the CIB to reject, revise, or endorse the current PAT ToR. The discussion centered on the composition of the PAT, which CDEX recommends comprising 5-8 members. The PAT would take the role of CDEX-identified multi-disciplinary advisors to the Work Shop organizers; its function varies from organizing the workshop to technical advice to the workshop participants. The PAT would include PIs, TAT members, and other science community members. C. Moore expressed the need to avoid a top-down structure.

**CIB\_Consensus\_0713-04:** The CIB recommended including CIB selected scientists on the Proposal Advisory Team (PAT) membership in its terms of reference.

#### Project Coordination Team (PCT)

(15:50 h.)

N. Eguchi presented the general PCT terms of reference as currently exists, but expected the actual ToR to shift as the proposals dictate. CDEX envisions the PCT essentially the same as the current Project Management Team (PMT). The membership includes the operator, engineers and scientists, a core group of 5-8 members. Experience shows this to be a good core group. Other can be brought in as needed.

**CIB\_Consensus\_0713-05:** The CIB approved proposed Project Coordination Team (PCT) Terms of reference.

#### Proposal Work Shop Guidelines

N. Eguchi described the workshop (WS) structure: the CIB recommends a WS, JAMSTEC funds the WS, and then the WS organizers submit reports to CIB following the WS. Y. Tatsumi asked about the connection between PEP and CIB evaluations; N. Eguchi clarified that the CIB evaluates the WS proposal, and uses the PEP evaluation as a reference. H. Villinger suggested that the WS results be published, either in EOS or Scientific Drilling. Consensus agreed with this proposal.

**CIB\_Consensus\_0713-06:** The CIB recommended including submission of the workshop report to community-wide publications (e.g., EOS, Scientific Drilling) in the *Chikyu* IODP Full Proposal Development Workshop Funding Guidelines.

{16:00 h.)

#### The Riser ad-hoc PEP and ToR

N. Eguchi read the ToR to begin the discussion. This continued the discussion started earlier about the utility or need for an “Ad-Hoc” PEP. H. Villinger and G. Lericolais pointed out that the current PEP already has sufficient depth and breadth of experience and disciplinary expertise. D. Kroon added that with the SCP and the PEP being combined, this is even more so. Since the PEP is a JRFB panel, and the CIB is making use of it, there is no real need to duplicate effort and manpower to simply have a new panel. Chair G. Kimura noted that the consensus was that a new statement was needed, clarifying that the “Ad-Hoc” PEP is not needed in a new ToR, to be worked out between D. Kroon and N. Eguchi.

#### Engineering development & CDEX Technical Advisory Team (TAT)

(16:35 h.)

Nori Kyo gave an overview of TAT. C. Yeats suggested that this should not fall under the purview of the CIB; N. Eguchi noted that as part of the PAT and PCT, these are in fact CIB issues. Chair G. Kimura proposed that the CIB recommend scientists connected to the pre-

proposal be included at PAT members; N. Eguchi recommended that these scientists not include the PIs. Chair G. Kimura moved that a revised version of the ToR be reviewed tomorrow before reaching consensus.

(Day 2, 09:00 h.)

(09:00 h.)

Chair G. Kimura began the session by reviewing the results of the Executive meeting. Some of the consensus items include:

1. No more "Ad-Hoc" PEP, instead external members will be invited to join PEP on a case-by-case basis. This leaves scientists and the technical experts to drive the proposal advancement.
2. Proposal submission deadlines will be twice a year, in April and October. There will not be different deadlines for riser proposals.
3. CIB workshop oversight details remain unfixed. Chair discussed this with MEXT and the IO (CDEX); the CIB can decide on accepting WS proposals and form the PAT. This should be done at the next regularly scheduled CIB meeting in March 2014. The target date for the workshop should be at the end of November, so the IO can also check the WS proposal in preparation for the March meeting. There should be a once yearly deadline for the Riser WS.

N. Eguchi began a summary of the riser scheduling process. Will the CIB accept the 3-year process described by K. Moe? Following this, the Riser proposal flow for *Chikyu* was reviewed. The CIB needs to make an official request to JRFB about the role and use of the JRFB advisory panels. The CIB would also like to use EPSP for riserless expeditions. Proposal submissions will be set at 1 April & 1 October for both pre- and full proposals. The TORs for PAT and the WS guidelines have been revised.

H. Villinger asked about the CIB plans for EPSP usage, and N. Eguchi said it would be covered later.

N. Eguchi asked if there was consensus on the following changes in the comprehensive process toward *Chikyu* expedition flow chart:

- If PEP likes a proposal, riser pre proposal will be forwarded to CIB.
- The CIB then electronically reviews/confirms the proposal for science. Initial pre-scoping by CDEX will begin.
- CIB will recommend proponents to submit WS proposal.
- Proposal reviewed by CIB. Then CIB recommends WS funding & establish PAT (Proposal Advisory Team).
- PAT will help support WS organization and support engineering/tech side of WS. Proponents develop full proposal based on the workshop outcome, then submit full proposal to the program.
- PEP evaluating riser Full proposal (with CIB recommended specialists).
- SCP reviews Site Survey Data Package.
- External review reviews & forwards to CIB.

C. Yeats asked about the holding bin for proposals, are they a dead end? N. Eguchi and D. Kroon used the PEP holding bin as an example. When the sticking points keeping a proposal in the holding bin are resolved, it comes out. These will be specific to each proposal, however. There was discussion on what is required for proposal prep for review by the CIB, and getting scheduled. CIB designates proposals as projects, then ranks prioritizes the projects, and makes recommendations for their implementation to JAMSTEC. JAMSTEC makes the final decision, based on technical and budgetary realities. M. Kinoshita and B. Gatliff made the point that more than one project should be in the planning stages so that a

project will always be ready to move forward. N. Eguchi agreed, saying that connected with this, smaller, riserless expeditions also need to be part of the “mix”.

Yoshi Kawamura asked what kind of preparation is required to get a project prioritized. K. Moe stated that minimum requirements include geotechnical cores and sufficient seismic surveys. If these are missing in the first year the proposal will need to be set in the holding bin. Y. Kawamura asked if this would be funded by JAMSTEC. N. Eguchi stated that prioritization is need for JAMSTEC to release funds for these studies. H. Villinger asked about the role of the EPSP, but was told that this panel is only for riserless projects.

N. Eguchi continued with the PAT ToR, amended to include the membership description, and the WS funding guidelines. On H. Villinger’s recommendation, added this “recipients are required to submit a WS report to a community wide publication – EOS, SD, etc.”. Chair G. Kimura confirmed that these items are now agreed upon by consensus.

Based on the above discussion, the CIB made the following consensus statements.

**CIB\_Consensus\_0713-07:** The CIB recognized that there is no need for “ad-hoc Riser PEP”. CDEX personal and specialists as well as CIB selected additional selectees may join regular PEP meeting as needed when Riser Full proposal to be reviewed.

**CIB\_Consensus\_0713-08:** The CIB endorsed proposed general three-year *Chikyu* riser expedition scheduling process.

**CIB\_Consensus\_0713-09:** The CIB endorsed the revised comprehensive process toward *Chikyu* expedition flow chart.

**CIB\_Consensus\_0713-10:** The CIB made a request to JRFB to use PEP and SCP for all pre and full proposals.

**CIB\_Consensus\_0713-11:** The CIB made a request to JRFB to use EPSP for *Chikyu* riserless operation.

**CIB\_Consensus\_0713-12:** The CIB endorsed to use a biannual proposal submission deadline (1 April and 1 October).

**CIB\_Consensus\_0713-13:** The CIB endorsed to evaluate Riser full proposal workshop proposal once annually (March).

**CIB\_Consensus\_0713-14:** The CIB endorsed slightly modified (CIB\_Consensus\_0713-05) Proposal Advisory Team (PAT) terms of reference.

**CIB\_Consensus\_0713-15:** The CIB endorsed slightly modified (CIB\_Consensus\_0713-06) *Chikyu* Riser full proposal workshop funding guidelines.

## 9. *Chikyu* Budgetary Overview

Summary of Previous Expeditions  
(16:55 h.)

W. Azuma gave a summary of past expedition costs, back to stage 1. S. Hida mentioned that in this summary of budgets and costs, the Shimokita expedition (Exp. 337) costs were

borne by MEXT/JSPS. C. Moore asked if *Chikyu* is owned by JAMSTEC, and if there is an amortization fee included annually in these summaries. N. Eguchi stated that *Chikyu* is owned outright by JAMSTEC.

#### Budgetary Guidance of JFY2013 (17:00 h.)

W. Azuma presented the CDEX basic budget overview, showing incoming constant funds, constant outgoing costs, and required outside funds to cover costs for the specific requirements as determined by the science goals. Non-IODP income is a required component of this budgetary outlook. H. Villinger asked if non-IODP contracts are already secured, or are they in process of negotiation. W. Azuma responded no, and the reality of fluctuating crude prices makes budget plans dependent on market forces.

### **10. Outline of Ship Schedule for JFY2014 and 2015**

#### NanTroSEIZE Planning Update & IODP window (17:10 h.)

Chair G. Kimura excused himself as having a COI with NanTroSEIZE discussions; therefore, Vice Chair K. Neilson took over chairing the meeting.

N. Eguchi presented two scenarios for post 2014 operations. There are 130 days of operations (Exp. 348) this year, and then there is the follow up expedition. There are 2 plans. One (A) has late 2014 to early 2015 NanTroSEIZE C0002F Megasplay Riser drilling, then Fall Oct 2015 NanTroSEIZE C0010 LTBMS riserless operation. The other plan (B) has the same schedule for 2013. Then do Aug 2014 NanTroSEIZE C0010 LTBMS riserless work with 2015 NanTroSEIZE C0002F Megasplay Riser drilling. Y. Yamada pointed out the dependency of these plans on securing commercial work. He also mentioned the upcoming BOP re-certification work that will be required. N. Eguchi also described the planned IODP Expedition 348 drilling plans and the potential GeniusPlug recovery operations. H. Villinger noted that this would signal the completion of NanTroSEIZE operations, and the availability of *Chikyu* to work on other riser projects.

Vice Chair K. Neilson noted that without any further questions, it seemed consensus was on completing the NanTroSEIZE project as described here. He then closed the meeting until tomorrow.

<b>CIB_Consensus_0713-16:</b> The CIB endorsed JFY 2014 and 2015 NanTroSEIZE operations as proposed by CDEX (assuming funding is appropriately allocated).
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Chair G. Kimura announced that the meeting would reconvene tomorrow at 09:00 h.

#### **1800- Reception**

A BBQ reception was held immediately after the meeting, in the YES Cafeteria.

## 11. *Chikyu* +10 Workshop report

(09:00 h.)

Chair G. Kimura proposed to postpone Agenda Item 8 and suspended the session after Agenda Item 11 for an Executive Session held next door. The meeting reconvened after the executive meeting.

**CIB\_Consensus\_0713-17:** The CIB approved a suggested change in the agenda: postpone Agenda Item 8 and holding executive session regarding remaining items for Agenda Item 7.

Chair G. Kimura began the meeting by asking Shinichi Kuramoto to deliver the *Chikyu*+10 report. S. Kuramoto summarized the main points and conclusions of the *Chikyu*+10 meeting. H. Kawahata asked if NanTroSEIZE was included in the *Chikyu*+10 projects, as it's in the list. S. Kuramoto replied, yes, until the current plans are completed.

## 12. Proposals Overview

Science Support Office (SSO) activities

(11:05 h.)

Chair G. Kimura reconvened the meeting beginning with Holly Given's Support Office presentation. The Science Support Office (SSO) will begin from 1 October 2013 at the Scripps Institution of Oceanography, UCSD. The SSO will have 8 staff, and the basic tasks are 1) logistical support for JRFB and its advisory panels, 2) oversight of proposal review process, 3) management of the existing Site Survey Data Bank (SSDB) and 4) supporting IODP website. Integration of the proposal database and the SSDB is in the scope. However, the SSO tasks will not include publications, curation, scheduling/review expeditions, coordination between platform providers. No media, outreach, or program representation. The SSO is 100% supported by NSF funds and has only one fulltime staffer (Michiko Yamamoto). The presentation included detailed explanation of SSDB activities. H. Villinger asked if a map with proposal sites will be available online, and Michiko Yamamoto said the map will be available. H. Given reiterated that no SEDIS support would be available.

Proposals ready for scheduling & Proposals at PEP

(11:30 h.)

D. Kroon reviewed the proposals currently at OTF and PEP, and focused on riser proposals (CRISP-B (537B), NanTroSEIZE (603), IBM-4 (698), Hikurangi: Riser (781B) and KAP (707). Among those proposals, CRISP-B (537B) and IBM-4 (698) are at OTF stage. G. Lericolais suggested that Stuart Henrys was in COI over Hikurangi, but Chair G. Kimura stated that's as this was presentation only, no one was in COI. Some other projects included the Indian ridge Moho (800) proposed to JR and then *Chikyu* to follow on as needed for deep penetration (not scheduled yet), and the Mohole to the Mantle (805), but seismic data and money needed (1 billion USD) as well as the final site selection and 4,000 m riser development. Another proposal East Asia Margin (618) is also at the OTF stage and potential riser/non-riser operation, however PEP recognized this proposal is not quite ready to go and still waiting for lead PI response.

Site Characterization Panel (SCP) proposal reviews

(12:05 h.)

Chair G. Kimura called for G. Lericolais to present on the SCP reviewed proposals, followed by comments. CRISP-B (537B) still have issues, SCP only reviewed data attached to Full2 but not Full4 (most current version), 3D seismic data acquisition was done but the data has not submitted to the SSDB yet. IBM-4 (698) and East Asia Margin (618) are ready to go. The SCP has not yet reviewed the Hikurangi riser (781B), KAP (782), M2M (805), or Indian Ridge Moho (800) proposals.

Chair G. Kimura, with no comments called for the close of the morning session. Reconvene at 13:30 h. after lunch.

### *LUNCH*

1330 h.

Chair G. Kimura reconvened the meeting with a suggestion that the discussion begin with Agenda Item #13, and then take a coffee break, and then convene another executive breakout meeting. Y. Tatsumi asked if he should leave due to his COI, and the Chair ruled he should recuse himself once the IBM discussion began.

### **13. Long-term Planning**

(13:35 h.)

S. Hida reviewed the long-term schedule of *Chikyu* for the next 5 years. The IODP 2017 section is the first post-Nankai window, with 3 years remaining to reach this point.

CRISP initial scoping presentation

(13:35 h.)

K. Moe presented a status update on CRISP, including an update on JR drilling related to revision of the new riser drill site, for which CDEX has requested and received a geotechnical core. K. Moe presented some initial estimates based on the 3.5 kmbsf target hole, and on accomplished and ongoing items. 2D seismic, bathymetry, backscatter, and sub bottom profiler data were already processed and interpreted. 3D seismic processing is ongoing. Geological prognosis, hazard assessment, geomechanics study and metocean study remain pending items.

IBM initial scoping presentation

(13:45 h.)

Kan Aoike presented a status update on IBM. The location of proposed riser hole IBM-4 is corrected to 2 km to the west of Site 792. Although, this site is near a submarine cable, JAMSTEC regulations state that the drilling distance from the cable should exceed water depth, so it should not be a problem. Presently, geotechnical coring is scheduled for the upcoming JR Expeditions. This site is exposed to the Kuroshio Current, much like NanTroSEIZE; weather patterns are also similar (Typhoons, etc.). K. Aoike presented an operational data readiness update given. No high-res bathy data are available. K. Aoike discussed the data still needed for scoping, including required metocean, and shallow shear-strength data sets. One-year ocean current monitoring by mooring system is planned to take place early JFY2014, followed by riser analysis. With no questions, Chair G. Kimura moved onto the cost estimates for these proposals.

Time and cost estimates of CRISP and IBM

(14:00 h.)

N. Eguchi provided some rough estimates for these expeditions. CRISP: 235 straight days at \$118 M USD. 312 days (multi year) at \$156 M USD (these estimates were based on proposed minimum penetration depth in the original proposal, 3,600 mbsf). Transpacific

transit is 30 days one-way; 60 days round trip. Casing plans still very “rough”. “Planned” 200 m core for 1st yr, 600 m in the 2nd yr. with a 15% time operational contingency days inclusive. Still many unknowns here including final site location, but this is the scale envisaged.

Chair G. Kimura asked if the coring interval were from the proposal. N. Eguchi repeated these are rough estimates to develop some kind of “base” operation time scale.

Y. Kawamura noted that these times estimates include the 60 days transits, so really only envisage 3 months drilling per year. S. Humphris asked if the project could be drilling in “one go”. N. Eguchi noted that this would be preferred – better use of time, and cuts down on extraneous expenses involved in repeated cross-Pacific transits. Chair G. Kimura suggested organizing a PCT to work out operational details. C. Yeats asked about the possibilities of commercial work in the area, N. Eguchi replied that this would be preferred but none has been looked into yet.

N. Eguchi proceeded with the IBM estimates; straight one stop drilling for 414 days at \$207 M USD, while 513 days on a split schedule at \$257 M USD. This 4-year plan is also very “rough” estimate as for CRISP. The time estimates also include a 20% operational contingency days, with the assumption that NanTroSEIZE Kuroshio and Metocean data are equivalent. ROP is also slow due to expected hard rock formation and affect the time/costs estimates.

Chair G. Kimura began the question session asking about “hard formation” drilling estimates. N. Eguchi replied that ROP in harder formations is lower & requires more frequent bit changes – all consuming extra operational time. M. Kinoshita asked about the estimates for wireline logging operations, N. Eguchi stated that wireline days are separate from LWD days and LWD operation is “default” operation for a riser drilling.

A discussion began on the cost estimates, with H. Kawahata asking about the apparent anomaly in CRISP and IBM operation costs, compared with the proposed budget base of \$50 M USD. S. Kobayashi stated that the calculation simply made by operation days multiply by the average day rate (0.5 M USD/day). The cost estimate is consistent with the proposed budget base.

The end of NanTroSEIZE drilling was discussed, with H. Villinger asking about the 2015 riserless drilling window. N. Eguchi explained that this represented the NanTroSEIZE LTBMS riserless installation. He went on to explain that while riserless operations on *Chikyu* are not as cost-efficient as JR, there are some cases where *Chikyu* should take on riserless drilling projects, such as for operations beyond JR spec or feasibility. The CIB should think about how to approach this issue for the August JRFB meeting.

Chair G. Kimura moved to discuss whether or not IBM/CRISP should be designated as a “*Chikyu* project”. If so, the CIB should decide if they need a PCT, and move forward. Non-riser project availability should be addressed for implementation and the CIB should think about this and discuss this with the JRFB. H. Villinger asked if one or both get designated PCTs? With Y. Tatsumi in COI, he recused himself from the discussion. C. Yeats suggested that the CIB should not limit itself to only IBM and CRISP, but that the suggestions coming out of the *Chikyu*+10 should also be considered. C. Moore emphasized that the CIB should be flexible enough to deal with opportunities for scientific drilling as they arise, while planning for IBM and CRISP.

D. Kroon added that there are also long-term projects to think of, such as MOHO. Chair G. Kimura agreed that long-term strategy is also important but to discuss this one, more information especially regarding cost and engineering development is needed. C. Moore



made the observation the MOHO proponents are so far unable to agree on an initial drill site, and that this important step needs to be clarified first. B. Gatliff pointed out that at their FB meeting, the ECORD FB prioritize all the MSP proposal on the table, so the CIB can do the same. Chair G. Kimura mentioned that prioritization at this meeting (at least) is difficult since both proposals were recognized as high impact science proposals.

Chair G. Kimura proposed that both IBM and CRISP be focused on right now, and establish them as projects, if the CIB agrees upon. The CIB should also ask CDEX to do the initial groundwork for other short-term projects. B. Gatliff and S. Humphris emphasized the need to remain focused on the ‘big picture’ and long-term prospects. Chair G. Kimura agreed with their assessment that this should be the purview of the IODP Forum. M. Kinoshita pointed out that until the SCP gives a green light, the PCT should not be established. Chair G. Kimura agreed, but also noted that other projects are in an even less ready state. However, if a ‘JFAST-type’ project arises, another evaluation would be needed. For the moment, the Chair asked if there was consensus on designating IBM and CRISP as projects, and direct that PCTs be established for each.

**CIB\_Consensus\_0713-18:** The CIB designated both IBM and CRISP as *Chikyu* Projects.

(15:30 h.)

Y. Tatsumi returned to the meeting.

Riserless Proposals for *Chikyu*

(15:45 h.)

N. Eguchi explained possible *Chikyu* riserless scenarios. Chair G. Kimura opened discussion, which began regarding *Chikyu* riserless proposals. H. Given suggested that it’s inappropriate to write a riserless proposal for *Chikyu*. Proponents submit proposals, and then the PEP evaluates the proper platform. It wouldn’t advertise specifically for the *Chikyu*. N. Eguchi agreed that the PEP should be the group advancing one platform or the other as appropriate. The CIB may make a list of potential *Chikyu* riserless proposal to JRFB and vice versa. J. Allan mentioned that upcoming JR expeditions in IBM would be challenging. Scientists might want to go back to drill deeper, and these are good examples of appropriate *Chikyu* riserless targets. S. Humphris and D. Kroon noted that close communication between the CIB and the JRFB would help in evaluating which platform would be best for which proposal. Chair G. Kimura will join the JRFB in August, to help with coordination.

**CIB\_Consensus\_0713-19:** The CIB endorsed *Chikyu* riserless operation in the below criteria (but not limited to).

- Riserless operation beyond JR capability (e.g., ultra deep water).
- Riserless operation in the regions where JR will not be for many years (e.g., W. Pacific after FY2014).
- Riserless operation on the way to/from e.g., industry operations.

## 14. Toward project advancement

Following the designation of *Chikyu* projects under Agenda Item 13, the CIB made consensus on PCT establishment and its procedure.

C. Yeats suggested that the PIs be contacted to suggest a list of qualified scientists to serve on each respective PCT. N. Eguchi agreed with this, and also said CDEX would move to identify who it would like to nominate from CDEX for PCT membership.

Consensus was made with respect to asking the CIB to contact the IBM and CRISP PIs to nominate PCT scientists. The CIB will review the lists and pick two additional scientists as PCT members.

**CIB\_Consensus\_0713-20:** The CIB recommended to establish a PCT for IBM and CRISP.

**CIB\_Consensus\_0713-21:** The CIB recommended the following PCT membership selection procedures:

- CIB chair contacts to PI and ask a list of additional scientists for PCT member.
- CIB review the list and pick 2 additional scientists as PCT member.
- CDEX provides operational/engineering members.

W. Azuma asked if the CIB was recommending the start of the WS process. Chair G. Kimura stated that both IBM and CRISP are now at this stage. To start soliciting workshop proposal, CDEX/JAMSTEC needs to create workshop proposal format prior to its advertisement.

Chair G. Kimura moved on to skip TAT and first discuss the new berth exchange outline.

## 15. International collaboration

S. Hida briefly discussed the US/ECORD & Japan berth exchange. First US/Japan: the total is 16/yr. T. Janecek pointed out that the NSF/MEXT arrangement is simply 1-to-1 parity. S. Hida mentioned that the agreement has already been signed between JAMSTEC and USIO with the endorsement of MEXT and NSF. Y. Kimura was unclear about the ECORD arrangement; scientists per expedition should be 1, and with another \$1 M USD membership, this increases to 2. There was some confusion over the European situation, and what constituted a full slot. S. Hida stated that at this point the agreement between JAMSTEC and EORD has not been signed yet, but to be completed in this fall. Chair G. Kimura moved that as a non-riser operation issue, this would be again discussed at the August 2013 JRFB meeting. Attending from CDEX will be N. Eguchi, CIB Chair G. Kimura, Y. Kimura from MEXT and Akira Ishiwatari as a JRFB member.

Chair G. Kimura moved to break out again for the CIB executive session, and to reconvene the regular meeting from 09:00 h., Thursday on 25 July 2013.

**Day-3**

**Thursday, 25 July 2013**

*Note; The discussion took place before morning coffee break was the summary of the executive session regarding Agenda Item 7, and recorded under Agenda Item 7 above.*

## 16. Chikyu Facility Procedures, Guidelines and Policies

Environmental Protection and Safety Policy

Sample, Data and Obligation Policy

Proposal Confidentiality Policy

Staffing Procedures

Proposal Submission Guidelines

Onboard Measurements Guidelines

Third Party Tool Guidelines

Site Survey Data Requirements

Second Post Expedition Meeting

(09:35 h.)

Chair G. Kimura returned to Agenda Item #16. N. Eguchi noted that the agenda book lists the policies (p 242) and descriptions. Without sufficient time to review in great detail, some discussion is still needed. The IODP Environmental Policy, made by JRFB and ECORD FB, kicked off a large discussion. W. Azuma mentioned that JAMSTEC would like to review this policy before commenting. When asked about specific points that JAMSTEC wished to and, the discussion turned to the general principles regarding IODP environmental stance. S. Humphris and T. Janacek referred to the purposely broad and general statements as part of a cross-platform document. H. Villinger pointed out, and B. Gatliff agreed, that referring to 'marine mammals' would be better classified as for 'marine life'. J. Allen agreed, and with B. Gatliff reminded everyone that any specific environmental laws and regulations would be determined by the local laws governing the seas being drilled in; these will likely change with every expedition. H. Villinger also pointed out that this is not a legally binding document. Chair G. Kimura received confirmation from W. Azuma that JAMSTEC would review and resubmit this policy for review to the CIB within 2 weeks – in plenty of time to be presented at the August 2013 JRFB.

**CIB\_Consensus\_0713-22:** The CIB in principle agreed upon a common platform “IODP Environmental Principles”. The CIB will review CDEX proposed revisions, in time for August 2013 JRFB meeting.

N. Eguchi began with the IODP sample data policy. S. Humphris confirmed the importance of a cross-platform policy, with simplified policy and standardized curatorial procedures and sample & data access. The JRFB wants to revise the data policy. ECORD also wants to ask the CIB to get the three curators to create a common sample application process across the repositories. H. Villinger agreed, with the need for revising the policy. T. Janecek said the Curatorial Advisory Board is most likely the best group, according to IWG+ conclusions. The FBs should weigh in as needed, but for general questions, the IODP Forum would be the best venue. S. Humphris noted there is already a group in place to address this: T. Janecek, J. Allen, N. Eguchi, and D. Divins. S. Humphris answered M. Kinoshita's question about revision by stating that the group above should have a report ready for the JRFB in August.

**CIB\_Consensus\_0713-23:** The CIB agreed upon a common platform “Sample, Data and Obligation Policy”. Three FB chairs send a message to curators requesting implementing procedures.

(10:05 h.)

N. Eguchi continued with the proposal submission guideline. S. Humphris noted that the version here is an old one, having been revised by D. Kroon, Gabriel Filippelli, and G. Camoin. One for riser expeditions will be forwarded to the CIB. D. Kroon added the need to state that proponents writing for the *Chikyu* riser proposal need to go thru the pre-proposal route. S. Humphris confirmed that this would be ready by October 2013.

**CIB\_Consensus\_0713-24:** The CIB agreed upon a common platform “Proposal Submission Guidelines”. Small working group across FBs will work some modification prior to the next proposal submission deadline of 1 October 2013.

N. Eguchi broached two more policies: 3<sup>rd</sup> party tools and measurements and the onboard measurement guidelines. There is not much in the way of changes, but the CIB should endorse cross-platform measurements, with platform specific differences. Chair G. Kimura asked if this already exists between *Chikyu* and JR? N. Eguchi replied no, so Chair G. Kimura stated that the CIB agrees, and this should be presented at the March CIB.

**CIB\_Consensus\_0713-25:** The CIB agreed upon a common platform “Onboard Measurements Guidelines”. Small working group across FBs will work its contents and the CIB support office will inform CIB at the next meeting.

**CIB\_Consensus\_0713-26:** The CIB wait for *Chikyu* version of “Third Party Tool Guidelines” at its next meeting.

## 17. Core Curation

(10:45 h.)

Chair G. Kimura moved on with Agenda Item #17, with M. Kinoshita presenting an update on the Kochi Core Center. KCC plan to conduct, curation of samples according to the IODP geographical model (including the legacy cores), *Chikyu* and JR “mirror” site for post expedition sampling party, encourage more intensive use of sample materials, facilitate access to analytical facility of KCC, and collaboration with other IODP core repositories. Also curation specific research, such as monitoring core quality changes over long-term storage and J-DESC related core school and pre-cruise training are in their scope. M. Kinoshita then introduced “virtual core viewer” “sample availability” webpages of the KCC which help sample requesters. KCC will construct a new additional core repository by Spring 2014; the capacity of core storage will then reach about 250 km from the current capacity of about 100 km. Some details shared regarding biological sample sharing. Japanese government signed the Nagoya Protocol on the Convention of Biological Diversity (CBD) in 2010. The protocol includes regime of the Access and Benefit Sharing (ABS) for use of genetic resources (e.g., any organisms, DNA, RNA, enzyme, etc.). The ABS regulation will be in force in Japan by 2015 and may be effective retroactively on the data that Japan ratified the CBD. Because of this, KCC and CDEX looking to form a Material Transfer Agreement (MTA) for biological material transfer for sample from exclusive economic zone of Japan. Also, extremely expensive to ship frozen bio samples to scientist. KCC starts considering those extra cost of shipping will covered by sample requesters. One of Dr. Kinoshita’s important questions was regarding the Curator Advisory Board (CAB). Will it continue? The new IODP has no Science Technology Panel (STP), would the STP roles (for curatorial matters) be transferred to CAB?

Chair G. Kimura opened the floor for questions. H. Villinger pointed out that the STP mandate covered a broad range of aspects and transferring this mandate to the CAB is not an option. Either a new group is formed to take those roles, or they get left behind. K. Neilson asked if any other core repositories can store microbiological samples at -80°C. H. Villinger confirmed not in IODP. K. Neilson suggested that these samples be combined into one location. J. Allen pointed out that Microbio samples in IODP are severely underused. K. Neilson suggested that this might be a case of poor advertising, since these are very valuable samples. A potential tripping point, transport of these frozen samples might not be as severe as once thought. K. Neilson said shipping at -20°C sufficient. K. Neilson will follow up with Fumio Inagaki at KCC.

**CIB\_Consensus\_0713-27:** The CIB agreed that the chairs of the boards (CIB, JRFB and ECORDFB) ask the three curators at the core repositories to update the Sample, Data & Obligation Policy, especially that they split up the document in a fairly short (two to three pages) policy statement and an implementation plan which contains all the details (see also CIB\_Consensus\_0713-23). The role of the Curatorial Advisory Board should also be defined in this document. The CIB encouraged that the geographic core distribution model should be kept as it is.

## 18. Data Management

## 19. Publication

(11:18 h.)

Sean Toczko presented the CDEX Data Management and Publication structures. No SEDIS support planned for new IODP Phase. All data will be stored on SiO7 and also in the JCORES database. C. Moore asked if legacy data is available on website. S. Toczko replied that all data from IODP expeditions kept on SiO7. CDEX is working on maintaining current IODP Publication roles and duties. TAMU might remain contracted Editors and the publisher. CDEX will take over the role of approving 2<sup>nd</sup> Post Cruise Meetings from IODP-MI.

**CIB\_Consensus\_0713-28:** The CIB endorsed maintaining same quality and format of IODP expedition related publications.

**CIB\_Consensus\_0713-29:** The CIB endorsed continuing to use the TAMU Publication team for *Chikyu*-related IODP expedition documents.

## 20. Outreach Program

(11:35 h.)

Tamano Omata presented CDEX/JAMSTEC Outreach activities including *CHIKYU* TV, *CHIKYU* Hakken newsletter, and *Chikyu* visual tour for iPad, media collaboration with several TV Company/web Company, and education opportunities for students/educators. K. Becker asked if there were any plans to have annual IO meetings. N. Eguchi responded that nothing is officially planned, but using the FB meetings would be one easy way to make it happen.

Chair G. Kimura closed the meeting for lunch, the meeting to reconvene at 13:00 h.

## 21. Review of Consensus Statements and Action Items

(13:00 h.)

Chair G. Kimura reconvened the meeting at 13:00 h. N. Eguchi began reading out each consensus item, and opened each one, in turn, for discussion. H. Villinger asked when the CIB would hear from the JRFB about the panel access and use policy. S. Humphris confirmed the August 2013 meeting would finish this. The Executive meeting items are listed in these consensus items, to keep them complete and in line with the Agenda, in answer to H. Villinger's question.

H. Villinger asked about consensus on having the curators providing a sampling policy document? D. Divins replied that this would be resolved at the JRFB meeting. S. Humphris confirmed that the FB Chairs need to send letters to their curators requesting an updated implementation procedure.

N. Eguchi added consensus item 0713-27 and 0713-28 "CIB using TAMU publication services. All consensus items were otherwise agreed upon (See 19. Publication section).

## 22. Next CIB meeting

Chair G. Kimura raised the question of scheduling the next CIB meeting, consensus on next CIB meeting will be 11-13 March 2014; the ECORD FB will be 4-6 March 2014.

**CIB\_Conensusus\_0713-30:** The CIB chose its next meeting for 11 – 13 March 2014 in Yokohama.

*Note; this consensus item has been amended after the meeting, the final meeting schedule of next meeting is 18 – 20 February 2014.*

### 23. Any Other Business

H. Villinger asked if the US operator been selected; T. Janacek stated that no announcement has been made.

Chair G. Kimura noted that the meeting consensus items this will be published today on basecamp, with other updates published online in one week. K. Becker, IODP Forum Chair, asked to review the CIB targets for the new program at the next meeting in May. The CIB Chair agreed.

Chair G. Kimura, with no other questions, called the meeting to a close at 1315 hrs.

*The following consensus items were electronically made after #1 CIB meeting.*

**CIB\_Consensus\_0713-31:** The CIB established CRISP Project Coordination Team. The team member consists of César Ranero (Chief Project Scientist; CPS), Kohtaro Ujiie (CPS), Susan Bilek (member), Christian Hensen (member), Ikuo Sawada (CDEX), Nobu Eguchi (CDEX), Sean Toczko (CDEX), and Nori Kyo (CDEX).

**CIB\_Consensus\_0713-32:** The CIB established NanTroSEIZE Project Coordination Team. The team member consists of Harold Tobin (Chief Project Scientist; CPS), Gaku Kimura (CPS), Kyuichi Kanagawa (member), Demian Saffer (member), Masataka Kinoshita (member), Michael Strasser (member), Michael Underwood (Science Coordinator), Greg Moore (Science Coordinator), Eiichiro Araki (Science Coordinator), Yasuhiro Yamada (Science Coordinator), Ikuo Sawada (CDEX), Nobu Eguchi (CDEX), Sean Toczko (CDEX), and Nori Kyo (CDEX).

**CIB\_Consensus\_0713-33:** The CIB endorsed the CIB workshop proposal submission guidelines.

**CIB\_Consensus\_0713-34:** The CIB accepted a fast-track review of JTRACK workshop proposal.

**CIB\_Consensus\_0713-35:** The CIB reviewed JTRACK workshop proposal and endorsed its implementation.