

National Report - Taiwan

2004 IMAGES Open ExCom in San Francisco

1. New proposals (8/2005 - 7/2008) will be submitted to Taiwan NSC before Dec. 2004 (*with a new title: IMAGES/SWOP [IMAGES/Synthesis of Western Pacific Ocean Paleo-dynamics]*)
2. Preparation of a new MD cruise proposal of the western equatorial Pacific (PEPD Working Group) (*welcome IMAGES rep. visit Taiwan NSC in March, 2005 to promote research and obtain early commitment of cruise funding*)
3. Planning for Indo-Pacific IODP consortium of Japan, Korea, Taiwan - preparation of IODP pre-proposals of Okinawa Trough and NW Pacific drilling

Past Equatorial Pacific Dynamics, PEPD

Working Group Members

Co-chairs: Luc Beaufort (France) & Min-Te Chen (Taiwan)

Germany: Ann Holbourn

Japan: Minoru Ikehara, Hodaka Kawahata, Naomi Harada, Masanobu Yamamoto, Yusuke Yokoyama

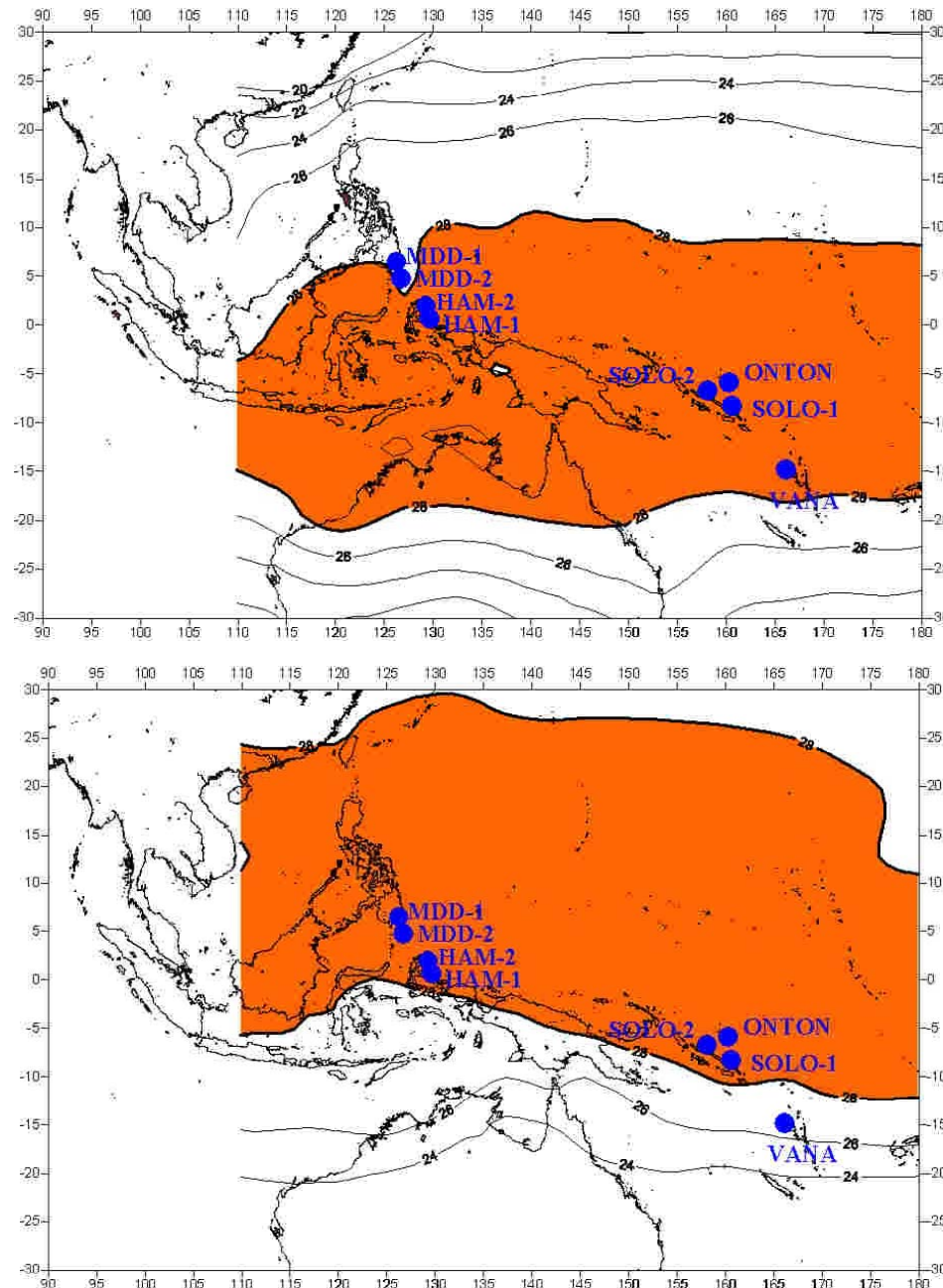
USA: Markus Kienast, David Lea, Meixun Zhao

Korea: Kyung Eun Lee

Taiwan: Teh-Quei Lee, Kuo-Yen Wei, Ein-Fen Yu

Working Group Objectives

- better coordinate and promote all scientific activities on high resolution late Quaternary paleoceanography and paleoclimatology of the **equatorial Pacific ocean**
- discuss and evaluate the current development of paleoceanographic **proxies and hypotheses** such as that involving an extra-tropical forcing or long-term ENSO-like mechanisms in equatorial Pacific paleoclimate studies
- to identify potential high quality and **high sedimentation rate sites** in the equatorial Pacific for giant piston coring in future IMAGES cruises
- to form a **proposal writing group** and focus primarily on giant piston core collections using French vessel *Marion Dufresne* in the year of **2005-2006**



***PEPD “warm pool”
sites + SST (>28°C)
isotherms in January
and July***

Past Equatorial Pacific Dynamics, PEPD

Working Group Agenda

- **Sep. 15-16, 2002: working group approved in open excom in Reykjavik, Iceland**
- **Nov. 10-12, 2003: 1st meeting in Keelung, Taiwan (15 attendants)**
- **Nov. 29-30, 2004: 2nd meeting in Aix, France (3 attendants)**
- *March, 2005: 3rd + pre-cruise meeting in Taipei, Taiwan (>15 attendants)*
- *May, 2005: IMAGES cruise for the western PEPD*

*A PEPD Site Proposal for IMAGES 2005 Cruise
(~ 25 cores operation)*

