



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION  
COMMISSION OCÉANOGRAPHIQUE INTERGOUVERNEMENTALE  
COMISIÓN OCEANOGRÁFICA INTERGUBERNAMENTAL  
МЕЖПРАВИТЕЛЬСТВЕННАЯ ОКЕАНОГРАФИЧЕСКАЯ КОМИССИЯ

اللجنة الدولية الحكومية لعلوم المحيطات

政府间海洋学委员会

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**IOC Circular Letter N° 2207**  
(English only)

IOC/PTWS/PB/LK/st  
Paris, 20 September 2006

**To:** All PTWS National Co-ordinators  
PTWS Member States

**Cc:** Chairman, Vice-Chairmen IOC  
Chairman, Vice-Chairman ICG/PTWS  
Director ITIC

Dear Sir/Madam,

**Subject: ITSU Training Programme - Hawaii, 16-27 October 2006**

The IOC International Tsunami Information Centre is pleased to announce that it will be holding specialized training for its Member States as part of its ITSU Training Programme in Hawaii (ITP-Hawaii). This year, the ITP-Hawaii will consist of a 2-week programme on tsunamis and tsunami warning systems focused on Standard Operating Procedures for tsunami warning and tsunami emergency response, and the testing of SOPs through Drills and Exercises. The ITP-Hawaii 2006 programme description and provisional agenda is attached.

With this Circular Letter, ICG/PTWS Member States, and countries in other regions with tsunami warning and mitigation interests, are **invited to participate in the 2006 UNESCO/IOC ITSU Training Programme – Hawaii (ITP-Hawaii) to be held 16 to 27 October 2006.**

.../...

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Due to financial limitations, the PTWS can only support up to three (3) participants. Others are welcome to attend on their own funding. To expedite this process, I would appreciate it if the names of the candidates are provided to the ICG/PTWS Secretariat, attention Laura Kong (l.kong@unesco.org), by **30 September 2006**. Selectees will be notified shortly thereafter.

Yours sincerely,

James B. Smith

**Patricio Bernal**  
Assistant Director-General, UNESCO  
Executive Secretary, IOC

**Attachments :** ITP-Hawaii 2006 Programme Description and Provisional Agenda  
ITP-Hawaii 2006 Application Form

**UNESCO/IOC INTERNATIONAL TSUNAMI INFORMATION CENTRE  
ITSU TRAINING PROGRAMME (ITP), 16-27 October 2006**

The 2006 UNESCO/IOC ICG/ITSU Training Programme will be held 16 to 27 October 2006 in Honolulu, Hawaii, USA. The Program, under the direction of the International Tsunami Information Centre (ITIC), provides participants with an overview of the history and operation of the Pacific Tsunami Warning and Mitigation System. Specific focus is given to the important role of regional and national tsunami warning centers in monitoring and evaluating the tsunamigenic potential of earthquakes, and in issuing timely tsunami warning messages to government emergency officials who can then act to save lives and reduce damage to coastal communities. The Programme provides training and familiarization with the Pacific Tsunami Warning System, Sub-regional and National Warning Systems, and Civil Defense concepts of operations and standard operation procedures. The ITP-Hawaii uses Hawaii as a working example of an end-to-end tsunami warning and mitigation system demonstrating close stakeholder coordination and partnership for operational warnings and in preparedness activities.

Participants will engage in a series of informational presentations at ITIC and the Pacific Tsunami Warning Centre, and visits to Emergency Operations Centers, to seismic or water level station field sites, and to the University of Hawaii. A 1-day off-island field trip to visit the Hawaii County Civil Defense Agency, the Pacific Tsunami Museum, and several tsunami memorials is included. Additional topics covered by the Training Programme will be based on the needs of each participant. A Provisional Agenda is attached.

This year, the focus will be on Standard Operating Procedures for tsunami warning and tsunami emergency response, and the testing of SOPs through Drills and Exercises. Participants will be asked to create, modify, and discuss their country SOPs using guidance and template examples provided during the Training.

At the beginning of the Programme, participants will be expected to make a 15-20 presentation on the status of tsunami mitigation measures in their respective countries.

Within one month after returning to their countries, ITP participants are required to submit a Written Trip Report in English describing the activities they participated in, what they learned, and how they will use their training to improve tsunami warnings and/or awareness in their countries. Trip Report summaries will be published in the ITIC's Tsunami Newsletter.

## **PROVISIONAL AGENDA, ITP-Hawaii 2006**

Sat, 14 October 2006 Sun, 15 October 2006	Arrival, hotel check-in, orientation
Mon, 16 October	Programme Logistics. ITIC Internet and Library Usage. ITP-Hawaii Participant – Country Presentations Science Overview – Earthquakes, Tsunamis - generation, detection TsunamiTeacher Resource Toolkit
Tues, 17 October	PTWS, ITIC, and PTWC: Organization & Operations International and National Tsunami Warning and Mitigation Systems Requirements & Implementations Regional and Local Tsunami Warning Systems for Hawaii Other Stakeholders & Their Needs, Roles & Responsibilities  Hazard Assessment and Risk Evaluation overview Tsunami modeling and inundation mapping Global Interactive Historical Tsunami Database (ITDB)
Wed, 18 October	PTWC Standard Concept of Operation and Standard Operating Procedures as PTWS International Tsunami Warning Center as US National and Hawaii Regional Tsunami Warning Center Seismic & Water Level Instrumentation used for tsunami warning  Visit Sea Level Station
Thurs, 19 October	Visit PTWC and HON Seismic station Monitoring, Detection and Evaluation Instrumentation and Methodologies (seismic, water level, communications) Communication technologies for the transmission of tsunami warnings to local governments and communities – robustness, reliability, redundancy criteria for emergency communications – WMO GTS, Fax, Email, RANET, FM methods, Mobile./Cell phones, SMS, etc
Fri, 20 October	Creating Standard Operating Procedures (SOP) and Checklists Introduce template of best practices. Participant creation of SOP's and Checklists (Discussion/Sharing on 27 October)
Sat & Sun 21-22 October	Free days
Mon, 23 October	Tsunami Emergency Response Plans: Concept of Operations Tsunami "End to End" Response Process Understanding and interpreting PTWC Bulletins - "Upstream" Process Conducting public coastal evacuations - "Downstream" Process Communications Process Distinguishing the roles of government jurisdictions, non- government organizations (NGO's), private sector

	Distinguishing the roles of individual response agencies Tsunami Stakeholder Coordination Concept
	Visit State Civil Defense Emergency Operations Center State Emergency Agency Responses to PTWC Tsunami Messages
Tues, 24 October	Creating Standard Operating Procedures (SOP) and Checklists Templates and examples of best practices. Participant creation of SOP's and Checklists (Discussion/Sharing on 27 October)
	Planning a Tsunami Exercise Example : Exercise Pacific Wave '06 Manual and Concepts
	Visit Oahu County Civil Defense Emergency Operations Center County Emergency Agency Responses to PTWC Tsunami Messages
	Depart for Big Island
Wed, 25 October	Hawaii County Civil Defense Emergency Operations Center Pacific Tsunami Museum Tsunami memorials
	Return to Honolulu
Thurs, 26 October	Tsunami Mitigation – Education, Outreach, Mitigation, Countermeasures Awareness, and Public Policy, including Public Affairs and media, Tourism sectors, TsunamiReady programme Coastal Zone Management and mitigation Designing buildings to withstand tsunami and earthquake shaking
Fri, 27 October	Roundtable discussion – Tsunami Warning and Mitigation (PTWC, ITIC, participants) Participant sharing of SOP's and Checklists Future Directions, International and National Travel vouchers and other logistics Summary and Closing
Fri, 27 October Sat, 28 October	Hotel Check-out, Depart for home country