



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 No. 2352
(Available in English only)

IOC/PTWS/WWW/BA/LK/DPM/ss
29 June 2010

To : ICG/PTWS Tsunami National Contacts (TNC) and
Tsunami Warning Focal Points (TWFP)

Cc : Official National Coordinating Body for liaison with the IOC Member States
Permanent Delegates/Observer Missions to UNESCO of IOC Member States
Permanent Delegates/Observer Missions to UNESCO of Brunei, Cambodia, Honduras,
Kiribati, Federated States of Micronesia, Nauru, Niue, Marshall Islands, Palau, Tuvalu
and Vanuatu
Chairman, Vice-Chairs IOC
Chairman, Vice-Chairs ICG/PTWS
Director ITIC

Subject: ITIC TRAINING PROGRAMME – HAWAII (ITP-HAWAII)
Hawaii, United States, 30 August – 10 September 2010

Through this Circular Letter, ICG/PTWS Member States, and countries in other regions with tsunami warning and mitigation interests, are invited to participate in the 2010 ITIC Training Programme – Hawaii (ITP-Hawaii) on tsunamis and tsunami warning systems to be conducted by the International Tsunami Information Center (ITIC) from 30 August – 10 September 2010. ITIC is a UNESCO/IOC-National Oceanic and Atmospheric Administration (U.S.) partnership.

At the Twenty-third Session of the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS-XXIII) held in Apia, Samoa, 16 to 18 February 2009, hosted by the Government of Samoa, Member States noted the requests of Southwest Pacific Countries for training and other activities to increase their capabilities to mitigate against tsunamis.

This year, the ITP-Hawaii will focus on Standard Operating Procedures (SOP) for tsunami warning and tsunami emergency response and communications. The ITP-Hawaii 2010 programme description and provisional agenda is attached.

The United States, through its contribution to the WMO Voluntary Contribution Program, is providing additional funding to support the ITP-Hawaii attendance of up to six participants from Southwest Pacific Meteorological Services who serve as National Tsunami Warning Centres.

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The IOC is pleased to support an additional two participants from PTWS countries. ITP-Hawaii, however, is open to all countries, and participants from other ICGs are welcome and encouraged to attend on their own funding.

I am pleased to invite you to nominate candidates to the ITP-Hawaii. To expedite this process, I would appreciate if the names and CVs are provided directly to the Director of ITIC, Dr Laura Kong (l.kong@unesco.org, Phone: 1-808-532-6422, Fax: 1-808-532-5576), **no later than 7th July 2010**. An application form is attached for this purpose. Selectees will be notified by 16th July 2010.

Yours sincerely,

[signed]

Wendy Watson-Wright
Assistant Director-General of UNESCO
Executive Secretary of IOC

Attachments:

ITP-Hawaii 2010 Programme Description and Provisional Agenda
ITP-Hawaii 2010 Application Form

UNESCO/IOC – NOAA International Tsunami Information Center
ITIC TRAINING PROGRAMME (ITP) – HAWAII
30 August- 10 September 2010

The 2010 ITIC Training Programme (ITP-Hawaii) will be held 30 August to 10 September 2010 in Honolulu, Hawaii, USA. The Programme, under the direction of the International Tsunami Information Center (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 and discussions at ITIC and the Pacific Tsunami Warning Center, and visits to Emergency Operations Centers, to seismic or water level station field sites, and to the University of Hawaii. A 2.5-day off-island field trip to visit the Hawaii County Civil Defense Agency, the Pacific Tsunami Museum, tsunami memorials, and the USGS Hawaiian Volcano Observatory, 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 (SOPs) for tsunami warning and tsunami emergency response, and the testing of SOPs through Drills and Exercises. Special emphasis will also be given to telecommunications and methods for receiving and disseminating timely alerts. Participants will be asked to create, modify, and discuss their country SOPs using guidance and template examples provided during the Training, and will be introduced to the different tsunami warning decision support tools and software available for use in their centers.

On Day 1 of the Programme, participants should be prepared to make a 15-20 min presentation on the status of tsunami warning and mitigation measures in their respective countries.

Within one month after returning to their countries, ITP participants are asked 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 2010

Sun, 29 Aug 2019	Arrival, hotel check-in, orientation
Mon, 30 Aug ITIC	Morning: Programme Logistics, telephone, internet, printing, library ITP-Hawaii Participant – Country Presentations Afternoon: Science Overview: Earthquakes, Tsunamis – generation, propagation, impact Tsunami Awareness Materials TsunamiTeacher Resource Toolkit, ITIC materials
Tues, 31 Aug ITIC	Morning: PTWS, ITIC, and PTWC: Organization & Operations International and National Tsunami Warning and Mitigation Systems Regional and Local Tsunami Warning Systems End-to-end Tsunami Warning Stakeholders & Their Needs, Roles & Responsibilities ITP-Hawaii Participant – Country Presentations Afternoon: Hazard Assessment and Risk Evaluation overview Tsunami modeling and inundation mapping Tsunami Warning Decision Support Tools – demonstration, installation WDC/NGDC tools, Global Tsunami Databases (TsuDIG)
Wed, 1 Sept ITIC PTWC	Morning: Lessons Learned from Past Tsunamis PTWC Standard Concept of Operation and Standard Operating Procedures Earthquake & Tsunami Monitoring, Detection and Evaluation – Instruments and Methods (seismic, water level, communications) Creating TWC Standard Operating Procedures (SOP) and Checklists Templates and examples of SOP best practices. Assignment - Participant creation of SOPs and Checklists (Discussion/Sharing on 10 September) Afternoon: ITP-Hawaii Participant – Country Presentations Visit Pacific Tsunami Warning Center and HON Seismic station Seismic Monitoring (source location and magnitude estimation) Sea Level Monitoring (Coastal and DART stations) Monitoring (Tide Tool), Wave forecasting (SIFT)
Thurs, 2 Sept ITIC Hawaii SCD	Morning: Tsunami Warning Decision Support Tools – demonstration, installation CISN, Tide Tool, IOC SL Monitoring Facility Communication technologies for the transmission of tsunami warnings to local governments and communities – robustness, reliability, redundancy criteria for emergency communications – WMO GTS, EMWIN, Fax, Email, RANET, FM, Mobile/Cell phones, SMS, etc Afternoon: Tsunami Warning Decision Support Tools – demonstration, installation RANET SMS, PAGER, Tsunami Bulletin Board, IOC Public List Serve Visit State Civil Defense Emergency Operations Center State Emergency Agency Responses to PTWC Tsunami Messages

Fri, 3 Sept
ITIC

Morning:

RANET communications technologies for multi-hazard emergency alerting

Afternoon:

Successful End-to-End Tsunami Emergency Response

Plans and Concept of Operations

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

Using Civil Air Patrol for Tsunami Warning alert dissemination

Creating TER Standard Operating Procedures (SOP) and Checklists
Templates and examples of SOP best practices.

Assignment - Participant creation of SOP's and Checklists
(Discussion/Sharing on 10 September)

Sat & Sun
4-5 Sept

Free days

Mon, 6 Sept
ITIC

Morning:

Planning a Tsunami Exercise

Example: Exercise Pacific Wave '08 Manual and Concepts

Information Flow SOPs - the Role of Media in Tsunami Warning

Awareness and Educational Materials

Tsunami Warning Decision Support Tools (continuing as needed)

South Pacific (29 September 2009) and Chile Tsunamis (27 February 2010)

Review, Summary and other new topics

Afternoon:

Picnic: Kapiolani Park

Tues, 7 Sept
Big Island

Check-out hotel, Waikiki, Oahu

Depart for Hawaii island (Big Island), Hawaiian Airlines

Hawaii County Civil Defense Emergency Operations Center

Pacific Tsunami Museum

Tsunami memorials

Check-in hotel, Hilo, Hawaii

Wed, 8 Sept
Big Island

Check-out hotel, Hilo, Hawaii

USGS Hawaiian Volcano Observatory

Seismic and volcano monitoring

Late Afternoon / Early Evening:

Return to Honolulu, Hawaiian Airlines

Check-in to Waikiki hotel

Thurs, 9 Sept
ITIC

Morning:

Tsunami Mitigation – Education, Awareness, Mitigation

Countermeasures and Public Policy

Tourism sectors, TsunamiReady programme

Designing buildings to withstand tsunami and earthquake shaking

Afternoon:

Preparation of Country SOPs

Fri, 10 Sept ITIC	Roundtable discussion – Tsunami Warning and Mitigation PTWC, ITIC, NWS Pacific Region, ITP-Hawaii participants, other guests Participant sharing of SOPs and Checklists Future Directions, International and National Travel vouchers and other logistics Summary and Closing
Sat, 11 Sept	Hotel Checkout. Depart for home country

UNESCO/IOC – NOAA International Tsunami Information Center
ITIC TRAINING PROGRAMME (ITP) – HAWAII

30 August- 10 September 2010

APPLICATION FORM

Please type or write in BLOCK letters in English
Please return by 7 JULY 2010 to
E-MAIL: l.kong@unesco.org
FAX: +1 808 532 5576

ID picture taken within the
last 6 months
2x2 inch

1. PERSONAL INFORMATION

NAME	
TITLE	<input type="checkbox"/> DR. <input type="checkbox"/> PROF. <input type="checkbox"/> MR. <input type="checkbox"/> MS. <input type="checkbox"/> others _____
SEX	<input type="checkbox"/> MALE <input type="checkbox"/> FEMALE
NATIONALITY	
HOME ADDRESS	
TELEPHONE NUMBER	
FAX NUMBER	
EMAIL ADDRESS	

2. PROFESSIONAL BACKGROUND

OFFICE/ ORGANIZATION	
POSITION	
ADDRESS	
TELEPHONE NUMBER	
FAX NUMBER	
EMAIL ADDRESS	

3. EDUCATIONAL BACKGROUND

LEVEL	SCHOOL	DEGREE	YEAR GRADUATED
COLLEGE			
MASTERAL			
DOCTORAL			
POST DOCTORAL			

4. TSUNAMI-RELATED TRAININGS ATTENDED

TITLE OR SUBJECT	CONDUCTED BY	DATES

5. OTHER RELATED TSUNAMI-RELATED JOB EXPERIENCE

OFFICE / ORGANIZATION JOB DESCRIPTION	POSITION	DATES

6. TRAVEL INFORMATION

NAME ON PASSPORT	
PASSPORT NUMBER	
BIRTHDAY (DD-MM-YYYY)	
DATE OF ISSUE	
PLACE OF ISSUE	
EXPIRY DATE	
NAME OF NEAREST INTERNATIONAL AIRPORT	

7. OTHER

ENGLISH LANGUAGE PROFICIENCY	<input type="checkbox"/> Excellent	<input type="checkbox"/> Fair
	<input type="checkbox"/> Good	<input type="checkbox"/> Poor

Statement of Interest:

Why are you interested in attending this Training?

--

After the Training, where and how will the experience gained in the Training will be used?

--

Please also submit separately your Curriculum Vitae (CV).

SIGNATURE

PRINTED NAME

DATE: _____