Agenda 3.5

ITIC Report

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ITIC Staffing and Activities

- Established in 1965 by IOC. NOAA agreed to host
- US NOAA – Director + Staff, Office
  - Director (TWC), Office Mgr (DMO), Tsu Info (Community Preparedness), Info Tech, Admin
- Member State – Assoc Director
  - Chile SHOA since 1998
  - Lt. Cdr Miguel Vasquez 2011-13
  - Lt. Carlos Zúñiga, 2013+
- IOC Tsunami Activities and Meetings
  - 30 meetings for 2011-13
- TWC Coordination and Improvement
  - Tsunami Warning Decision Support Tools
Tsunami Warning Decision Support Tools (ongoing):

- Heads-up SMS TW Alert (NOAA/USAID RANET, PTWC) – since 2005
- Tsunami Bull Board (ITIC) – since 1995, curr ~450 science/tsu/govt
- Real time Earthquake Display / California Integrated Seismic Display (USGS, NTHMP) – since 2005, curr >200

Sea Level monitoring

- Tide Tool – TWC ops sea level monitor tool (PTWC) - since 2005
- IOC Sea Level Monitoring Facility – since 2008

Tsunami Historical Database

- Online (WDS-MGG/NGDC)
- Offline - TsuDig Global DB GIS, multi-platform (NGDC ITIC) - since 2009
- Tsunami Travel Time Software (ITIC, NGDC) – since 2007

Further info: ITIC, laura.kong@noaa.gov
ITIC Activities - Awareness materials

- Tsunami Awareness and Education
  - Materials – 89,000 copies to 39 countries (49%)
  - Most distributed in 2012 (~700/country)

- Highlights
  - Tsunami Glossary
  - Niuatoputapu Tsunami, 2009 – Survivor accts, Tonga Broadcasting Corp, JICA/NHK retired, ITIC
  - Global Tsunami Sources (2011)
ITIC Activities – Event Information

- Global Authoritative Historical Database
  - Work with ICSU – World Data Service: US NOAA Geophysical Data Center

- Event Information Services
  - Significant Tsunami Event Site – technical info, incl messages, observations, simulations, media
  - List of Events – PTWC, JMA NWTAC, WC/ATWC
  - Tsunami Bulletin Board list serve – science forum, no public, PTWC, WCATWC events
  - Post-Tsunami Field Surveys (International Tsunami Survey Teams)
    ITST El Salvador (27 Aug 2012)
ITIC Activities – Information Services

- Library – mostly historic docs, event data, reports
- Tsunami Newsletter – quarterly, focus on events
- Facebook, 2012: Informal information, ITIC activities, Good practices around the world
ITIC – Customer Satisfaction

Aug 2013 Survey - 30 countries responded

- Comms – email, periodic updates, list serve
- Products / Svcs – majority useful:
  1. Exercise coordination (96%)
  2. Tsunami Awareness and Education Materials (92%)
  3. Tsunami Warning Decision Support Tools (92%)
  4. Post Tsu Survey Coord / Data Coll (77%)
  5. ICG/PTWS activities / docs (74%)
  6. ITP-Hawaii/ITP-Intl training (74%)
  7. Aware Materials requests (70%)
  8. Direct contact fpr TWC, TER (70%)
  9. Historical Data with NOAA NGDC (70%)
 10. Direct contact for haz risk assess, prepared, mitigation, research (~60%)
ITIC Activities – Training

☐ In cooperation with IOC
  - Work w/regional partners, involve country experts
  - Common themes/topics relevant for all sub-regions (& amongst ICGs), e.g., SOPs, exercises
  - ITP-Intl: region, country-host, 1-wk, 13 for 2011-13

☐ Regionalized Training Program Development
  - Since 2008, IOC, PTWC, ITIC, Indonesia, Japan, New Zealand, Philippines, Samoa
    => Welcome addtl experts
  - Train-the-Trainer: ITP-Hawaii / Intl materials can be used for in-country training.
    If translate, Requests copies (teaching repository)
ITIC Activities – 2009-2013

- 40 ITP-International training courses and capacity building workshops delivered:
  - 28 for countries - ICG/PTWS
  - 10 for countries - ICG/IOTWS
  - 2 for countries - ICG/CARIBE-EWS
  - 4 ITP-Hawaii - countries of ICG/PTWS, ICG/IOTWS, ICG/CARIBE-EWS
- About 1400 trained
ITIC Activities – Training Effectiveness

- Post-2004 IO, to fill major organizational and human resource knowledge “gap’, ITIC w/IOC began dedicated effort to create comprehensive tsunami training course

- Topic: Requirements for effective tsunami warning and mitigation system

- Created “from scratch” Partnership w/ practicing experts (PTWC, JMA, NZ, Indonesia, many PTWS country examples) Contributions – IOC, other UN partners (ISDR, UNDP, UNESCAP)
Nearly unanimous (92%) aware that IOC/ITIC conducts annual Hawaii / worldwide training.

Nearly unanimous (92%) interested in future IOC/ITIC tsunami trainings.

Majority rated all topics as Very Important
- Tsunami Warning Operations (87%)
- Tsunami Modelling (76%)
- Tsunami Emergency Response (70%)
- PTWS New Enhanced Products (68%)
- Tsunami Exercise Development (62%)
- Tsunami Mitigation (52%)
- Community Resilience and Outreach (52%)
ITIC – Training Delivery

- Nearly unanimous (88%) interested in receiving future IOC/ITIC trainings through Distance Learning platforms.

- A wide spectrum of responses given on prioritization of Distance Learning platforms.
  - No single platform received a majority response. Highest rated platforms were:
    - Video Teleconferences (live) – 29%
    - Web-Based online training (not live) – 25%
    - Video or computer-based, offline (not live) – 25%

- Strong majority (87%) replied that their agency has sufficient Internet Bandwidth to receive Distance Learning training.
ITIC Activities – Training

- 90-95% rated as Useful, Important Topics, Applicable, Used in Jobs

- Recommendations - Next Steps
  - Conduct more practical TWC operations activities.
  - More opportunities to train on tsunami modeling
ITIC – Work Plan and Budget

- Continued strong support on training importance (build natl capacities) BUT NO sustainable funding
- ITIC depends on US funds and extra-budgetary sources from donors and countries
- Unfortunately, this is not a new challenge … IOC VIII-24 (1974): Invite Member States to provide all possible co-operation with ITIC in implementation of its major international tasks.
- ITIC recommends: Member States routinely include training budget within annual national budgets, if tsunami training is a priority.
Customer Recommend – FEEDBACK?

- Develop email List Service / Message Board to update countries on new entries to web site / FB
- Strengthen / expand training topics - Tsunami modelling / inundation
- Evaluate feasibility - Distant Learning
  Live: Video Teleconf
  Not Live, Online: Web-Based online, Video computer-based
  => IODE OceanTeacher
- Explore expanded foreign language translation
  Apply to ITIC Awareness / Education Materials
  => Welcome MS support
Thank You

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