NEAMTIC
Tsunami Information Centre for the North-eastern Atlantic and the Mediterranean

NEAMTIC Steering Committee Meeting
Paris, 1 April 2011
NEAMTIC

- Established by ICG/NEAMTWS-VI on the model of other TICs
- Four main tasks
  - Collect information on warning activities and contact with EC MIC and national civil protection agencies
  - Provide hazard and TWS information to regional and national stakeholders
  - Exchange of best practices in tsunami risk reduction
  - Develop awareness, educational and preparedness materials
European Civil Protection project

NEAMTIC – Tsunami Information Centre for the North-eastern Atlantic and the Mediterranean

Total budget: € 434k
Request EC: € 325k
Duration: 24 months
Project specific objectives

• Making citizens, especially youth, aware of risks of floods from sea in coastal areas (tsunami, storm surges, and strong swells) in order to acquire knowledge on and practicing safe behavior

• Identification, sharing, and dissemination of good practices, in plans, methods, and procedures, to strengthen preparedness for sea level related hazards, including mitigation through integrated coastal zone management

• Fostering linkages between the European Commission and the IOC on intergovernmental and transnational actions to develop the NEAMTWS
Project Tasks

- Project management (A)
- Awareness raising in tsunami and coastal inundation preparedness (B)
- Good practices and regional cooperation in tsunami preparedness (C)
- Collection of information on the international warning activities for tsunamis and other sea-level related hazards in the NEAM region (D)
- Advocacy for institutionalisation of tsunami warning local point (E)
- Dissemination of results (F)
## Timeline

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<tr>
<th>Task / Action / Deliverable</th>
<th>Start</th>
<th>Duration</th>
<th>End</th>
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Task B Awareness raising in tsunami and coastal inundation (responsible IOC)

- Development of a web portal (B.1 April 2011-September 2012, web portal online in April)
- Development of multi-language educational poster on tsunamis and other sea-level related hazards (to be used by teachers of elementary schools) (B.2 April 2011-September 2012, poster printed in September 2012)
- Virtual library on preparedness for tsunamis and other sea-level related hazards both online, and CD-ROM (B.3 June 2011-March 2012, virtual library online March 2012)
- Educational CD-ROM on storm surges to be used by teachers of middle schools (B.4 June 2011-March 2012, educational CD ROM distributed March 2012)
- Guidelines and poster for hotels on evacuation in case of coastal inundation (June 2011-March 2012, guidelines and poster distributed March 2012)
Task C Good practices and regional cooperation in tsunami preparedness (responsible FFCUL)

- Identification, compilation, publication and dissemination of good practices in preparedness for tsunamis and coastal inundations in general, including terminology (C.1 May 2011 - January 2012, guidelines published January 2012)

- Holding a workshop on implementing coastal management approaches for sea-level hazards (C.2 August 2011-November 2011)

- Training workshop on tsunami warning systems, standard operating procedures, numerical modelling, and warning signage (C.3 March 2012-June 2012)
Task D Collection of information on the international warning activities for tsunamis and other sea-level related hazards in the NEAM region (responsible IOC)

- Collection of earthquake, tsunamis and coastal inundation watches and warnings and detailed timeline via the web portal and RSS (D.1 May 2011 - September 2012)

- Archiving of tsunamigenic, and coastal inundation events in the NEAM region and related watches, warning and civil protection interventions in harmonisation with GDACS and MIC (D.2 May 2011 - June 2012, archive of events published June 2012)
Task D Advocacy for institutionalisation of tsunami warning local point (responsible IOC)

- Promoting institutionalisation of national contacts and warning focal points in EU Mediterranean Member States as part of the ICG/NEAMTWS. Organisation of two sensitization sessions on tsunamis and other coastal inundation hazards at European Civil Protection Stakeholder meetings (E.1 April 2011 - June 2012)
F Dissemination of results (responsible IOC)

- Issuing of related press releases and information for media (F.1 April 2011 - September 2012)
- Participation in seminars and conferences (F.2 April 2011 - September 2012)
- Production and dissemination of brochures and 2 posters on NEAMTWS and NEAMTIC (F.3 April 2011 - July 2012, brochure printed and disseminated October 2011, Posters developed and printed June 2012)
- Final open meeting
Partners’ main contributions

- IOC-UNESCO
  - Project management
- CEA
  - Good practices, SOP workshop, advocacy, dissemination
- FFCUL
  - Good practices, advocacy
- DPC
  - Educational poster, good practices, advocacy
- NOA
  - Virtual library, good practices, collection of bulletin, and archive of events
NEAMTIC awareness raising products: the website

- Important messages to be conveyed:
  - It is a **regional information centre** (specificities of Mediterranean and North East Atlantic), in the context of international activity and programme
  - It is an **information centre** and not an operational centre
  - It is for **tsunami** and for **other related sea-level hazards**
  - It is thought for **awareness raising, and preparedness**
  - It is thought for the **public**, and not for a specialised audience, therefore
  - It has to be **user-oriented**
    - Citizens
    - Teachers
    - Civil protection agencies
    - Scientists
    - Media
    - Hotel managers
  - ...
Example of possible layout
Hello, Welcome to JTIC.

Sumber Energi Berada di Sesar


Read more: Sumber Energi Berada di Sesar

JTIC Photobank

Earthquake Updates from USGS

- M 2.4 Earthquake
  - Tuesday, March 22, 2011 13:31:29 UTC
  - M 2.3 Earthquake
    - Tuesday, March 22, 2011 12:31:29 UTC
  - M 2.1 Earthquake
    - April 22, 2011 14:53 km (5.1 mi)
For Event Summary Information, CLICK HERE

15-March-2011: 3 days after the 11 March 2011 Earthquake off the Pacific Coast of Tohoku, Japan

Three days after the devastating M8.9 earthquake off the Pacific coast of Tohoku, a grim picture is emerging of the death and destruction wreaked by the tsunami and once again the world is reminded of the deadly force of the ocean. The scenes transmitted around the world have shocked us all, and the IOC sends its condolences to the people of Japan and pledges to continue its efforts to coordinate the implementation and improvement of tsunami warning systems globally.

The earthquake struck at 0546Z on 11 March with its epicenter some 130km east of the coast of Miyagi prefecture. The magnitude of the earthquake is now estimated by the Japan Meteorological Agency (JMA) as M9.0, making it the 4th largest recorded earthquake since 1900. There have been hundreds of aftershocks since the main earthquake, many greater than magnitude 6. The first tsunami wave arrived at the coastline nearest to the epicenter within about 15 minutes of the earthquake and in the hours that followed more waves arrived, in places 10m or even higher. Whole communities were washed away and much infrastructure was destroyed.

The tsunami propagated east into the Pacific Ocean and the first regional tsunami bulletin was issued by the North West Pacific Tsunami Advisory Centre (NWPTAC) operated by JMA and the Pacific Tsunami Warning Centre (PTWC) at 0559Z. Deep-ocean Assessment and Reporting of Tsunami (DART) buoys close to Japan were triggered and a wave of 1.08m amplitude (mean level to peak) was recorded at...
Building peace in the minds of men and women

IN FOCUS

High Level Group to stress urgency of achieving Education for All by 2015

Without renewed commitment to education many countries risk missing the 2015 target for reaching the six Education for All (EFA) goals. Now that the deadline is only four years away, the High Level Group meeting, organized by UNESCO in Thailand from 22 to 24 March, will gather some 40 global leaders to galvanize strong political and financial support for education.

More Information
- 2011 High Level Group meeting in Thailand
- EFA Dias
- EFA 2011 Global Monitoring Report

NEWS

- 22.03.11 Call for applications: International Fund for Cultural Diversity
- 21.03.11 Educating for disasters
- 21.03.11 Why are museum documentation and inventories so important in dealing with emergency situations?
- 21.03.11 “There is no time to waste for Education for All by 2015” (by UNESCO Director-General Irina Bokova in the Indian Press)
- 18.03.11 UNESCO and FC Barcelona put racism aside to mark International Day for the Elimination of Racial Discrimination

UNESCO RESOURCES

Multimedia
Videos, photos and audiovisual services for professionals and the public

Conventions & recommendations
Legal instruments adopted by UNESCO’s Member States

Publications
Online bookshop, documents, publications, library and archives

Statistics
Download data from 200 countries in a variety of formats
IOC 50th Anniversary

The IOC celebrates its 50th anniversary in 2010. Beginning with the International Indian Ocean Expedition in 1960, the IOC has worked to promote international cooperation in researching and protecting the ocean. See IOC 50th Anniversary Web Page.

In Focus

Census of Marine Life Summary for Policy Makers

Scientific Results to Support the Sustainable Use and Conservation of Marine Life is designed to help policymakers determine how results of the first Census of Marine Life might be used to craft science-based policy. The report complements the 2010 Highlights Report [1] and summarizes the discoveries, tools and technologies from the decade-long Census of Marine Life that are most relevant to policymakers, resource managers, and government officials. Included are examples and data that can help inform decisions about ecosystem and species level protection, discusses findings about marine habitat degradation and rehabilitation and introduces Census-developed tools to identify biodiversity hotspots and large-scale ecological patterns and analyze distributions of species over time and space. The report is available in seven languages.

Chinese (3.5MB [2])
English (3.0MB [3])
French (3.1MB [4])
Indonesian (1.1MB [5])
Japanese (2.7MB [6])
Portuguese (3.0MB [7])
Spanish (3.1MB [8])
HOW WILL WE DO IT?

The methodology is organised according to five work packages (WP) with various key tangible outputs.

WP1 - Innovative approaches to coastal management
KEY OUTPUT: Coastal Management Comparator Data Base Tool will be developed to improve the capacity of decision-makers concerned with coastal issues to quickly and easily compare and contrast their situations with respect to other management approaches in the NW Europe region.

WP2 - Identification of drivers for climate change and related issues
KEY OUTPUT: Training material on the identification of Coastal Climate Change Drivers and issues will be made available to build capacity for developing adaptive management strategies by illustrating the historical context, drivers, and issues arising from climate change in the coastal zone of NW Europe, including case study materials from each of the Expert Couple locations.

WP3 - Future scenario building
KEY OUTPUT: Demonstration Technologies for the Visualisation of Coastal Futures covering three technological approaches. Geographic Information Systems (GIS), Web Based Virtual Reality, and a Customised Simulator will be developed to demonstrate potential tools to adaptive management in response to climate change impacts in the coastal zone.
NEAMTIC

Four tabs with:
general description, activities, partners, NEAMTWS

Language tabs: French, Italian, Portugues, Greek, Arabic, Turkish

What to know what to do

Good practices

International activities
What to know

What to do

What are, and what are the causes of tsunamis, and other risks

Am I in danger (risks in the NEAM Region)

What do to (safety rules)

Tsunami warning system

Virtual library And EU projects

Users resources
Good practices

- Good practices for tsunamis preparedness
- Good practices for Coastal inundation
- Glossary
International activities

- IOC UNESCO
- UN (ISDR, GDASC)
- EU (DG ECHO, MIC)
Homepage

- General description of NEAMTIC
- What to know, what to do
- Good practices
- International activities
OPEN QUESTIONS

• Any other important message to be conveyed?
• Is there any other content component to be added?
• Which type of layout?
• Do we want a partner section (intranet?)
NEAMTIC awareness raising products: the poster for elementary school pupils

- As visual as possible (cartoon type) on what a tsunami is, and safety rule before, during, and after
- What already exist is a book from ITIC
- More languages in one, or one version per language?
NEAMTIC awareness raising products: the CD ROM for middle school pupils

• It has to be modular
• It has to have tests, and games
• It has to have successful stories
CD ROM units

1. The outside of the earth
2. The inside of the earth
3. The oceans
4. The climate
5. Earthquakes, and volcanoes
6. Tsunamis, storm surges, others?
7. Tsunami and other hazards protection measures
Possible game
NEAMTIC awareness raising products: poster for hotels

**Tsunamis on the move...**

**Tsunamis...**
- Are a series of long-wavelength, long-period ocean waves. They are not surfing waves.
- Come ashore for hours. The first wave may not be the largest.
- Are caused primarily by earthquakes occurring below or near the seafloor.
- Are less frequently caused by underwater volcanic eruptions, landslides, slumps, and meteorites.

**Knowledge is Safety: Tsunami Warning Signs...**
- An earthquake is one of nature’s tsunami warning signs. If you’re at the beach and the ground shakes so hard you can’t stand up, a tsunami may have been generated.
- Tsunami may be preceded by a rapid fall in sea level as the ocean retreats exposing rocks and occurs on the sea bottom.
- A roar like an oncoming train may be heard as a tsunami rushes toward the shore.

**What you should do...**
- After an earthquake, move quickly inland and to higher ground.
- Tsunami from a local earthquake can strike in minutes, and before a tsunami warning is announced.
- Tsunami from distant locations can take up to 24 hours to cross an ocean basin. Tsunami warnings will be announced advising coastal evacuation to safe shelters.
- Learn to recognize nature’s warning. Read official tsunami warnings.
- Stay away from rivers and streams. If you see a tsunami, you may not be able to outrun it. Look for a sturdy, multi-storied, reinforced concrete building and shelter to its highest floor or roof. If there is no time, climb up and cling to a strong tree.
- If you’re swept up by a tsunami, look for something to help you stay afloat, and to protect you from dangerous floating debris like houses, cars, and trees.

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For more information, visit www.TsunamiWave.info • International Tsunami Information Centre
NEAMTIC good practices

- IOC guidelines on Hazard Awareness and Mitigation
  - Focus on risk reduction through existing coastal management/planning processes
  - Taking account of research developments and experience (eg. case studies)
  - Emphasis on the coordination of management effort
- The ICAM context

Fig. 1.1. The linkages and feedbacks between the general elements of the ICAM process.
NEAMTIC warning information collection

- GFZ seismic bulletins
- Tsunami catalogues
- Masahiro Yamamoto alerts scenarios
NEAMTIC dissemination of results strategy

- Participation to events, and seminars
- Participation to Science Festivals
- Network of natural sciences museums
- Personal contacts