Report of the ICG
NEAMTWS Chairman

François Schindelé
CEA - France

43 IOC Executive Council
Paris, 11 June 2010
Decides to conduct during 2010 Communication Test Exercises between the National Tsunami Warning Centres and the Tsunami Warning Focal Points;

Establishes a Task Team on Communication Test Exercises, to conduct and assess the Communication Test Exercises;

Establishes a Tsunami Information Centre for the North-eastern Atlantic, the Mediterranean and connected seas (NEAMTIC) at the IOC Secretariat for the ICG/NEAMTWS, drawing on the expertise of the working groups and the experience and products of the Tsunami Information Centres (TICs). The NEAMTIC will be financed by extrabudgetary funds to which Member States are invited to contribute;
Requests Member States to:

• openly share and exchange for the purpose of the NEAMTWS all tsunami-relevant real time observational data as appropriate, including through the IOC Sea Level Station Monitoring Facility, and in accordance with the UNESCO/IOC Oceanographic Data Exchange Policy (Resolution XXII-6, IOC-XXII/3),

• facilitate access to coastal bathymetry and topography data, including river estuaries and delta areas, available for tsunami and other coastal inundation modelling,

• nominate both Tsunami Warning Focal Points and Tsunami National Contacts, if they have not done so, also to ensure adequate conditions for the Communication Test Exercises,

• nominate experts to the Working Groups and the Task Teams,

• consider extrabudgetary contributions to IOC in support of NEAMTWS;
Task Team on Regional TWS Architecture

- Fifth meeting held in Paris on 18-19 March 2010

- Operational structure of the NEAMTWS
  - France, Greece, Italy, Portugal and Turkey confirmed their plan to implement a NTWC that could serve as RTWC (starting from 2011 to 2013); Some of them are still waiting the commitment and support of their government. Germany confirm his offer to be a seismologic backup data center.
  - Architecture, tools and cooperation for the RTWCs
  - Operational User’s Guide to complete
  - Revision of the decision matrix
  - Areas of responsibility and overlaps
Task Team on Communication tests

- First meeting held in Paris on 19 March 2010
- 1st test in 2010 held between the 5 potential RTWC
  - A specific documentation was prepared to that test
  - 2 centers (Greece and Portugal) will issue Communication tests through email and fax (June and September)
  - 2nd test in 2011 with GTS, fax and email a larger exercise involving the TWFPs would be convened by IOC through circular letter
Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation System in the North Eastern Atlantic, the Mediterranean and connected Seas (ICG/NEAMTWS)

The RTWCs and NTWCs
### Mediterranean Decision Matrix

<table>
<thead>
<tr>
<th>Depth</th>
<th>Location</th>
<th>(Mw)</th>
<th>Tsunami Potential</th>
<th>Bulletin Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 100 km</td>
<td>Sub-sea or very near the sea (&lt; 30 km)</td>
<td>5.5 to 6.0</td>
<td>Small potential for a local tsunami</td>
<td>Information Bulletin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6.0 to 6.5</td>
<td>Potential for a destructive local tsunami &lt; 100 km</td>
<td>Regional Tsunami Advisory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6.5 to 7.0</td>
<td>Potential for a destructive regional tsunami &lt; 400 km</td>
<td>Regional Tsunami Watch Basin-wide Tsunami Advisory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>≥ 7.0</td>
<td>Potential for a destructive basin-wide tsunami &gt; 400 km</td>
<td>Basin-wide Tsunami Watch</td>
</tr>
<tr>
<td>Inland (&gt; 30 km)</td>
<td></td>
<td>5.5</td>
<td>No tsunami potential</td>
<td>Information Bulletin</td>
</tr>
<tr>
<td>≥ 100 km</td>
<td>All Locations</td>
<td>≥ 5.5</td>
<td>No tsunami potential</td>
<td>Information Bulletin</td>
</tr>
</tbody>
</table>
## North-east Atlantic Decision Matrix

<table>
<thead>
<tr>
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<th>(Mw)</th>
<th>Tsunami Potential</th>
<th>Bulletin Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 100 km</td>
<td>Sub-sea or very near the sea (&lt; 30 km)</td>
<td>5.5 to 7.0</td>
<td>Small potential for a local tsunami</td>
<td>Information Bulletin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7.0 to 7.5</td>
<td>Potential for a regional tsunami &lt; 1000 km</td>
<td>Regional Tsunami Advisory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7.5 to 7.9</td>
<td>Potential for a destructive regional tsunami &lt; 1000 km</td>
<td>Regional Tsunami Watch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>≥ 7.9</td>
<td>Potential for a destructive ocean-wide tsunami &gt; 1000 km</td>
<td>Ocean-wide Tsunami Watch</td>
</tr>
<tr>
<td>Inland</td>
<td></td>
<td>5.5</td>
<td>No tsunami potential</td>
<td>Information Bulletin</td>
</tr>
<tr>
<td>≥ 100 km</td>
<td>All Locations</td>
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<td>No tsunami potential</td>
<td>Information Bulletin</td>
</tr>
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</table>
CONCLUSIONS

Today the NEAM region is the only one without an active NTWC or RTWC

Communication test exercises are starting and will continue in the next coming years

From 2011 to 2013, 6 NTWC would be implemented and 5 of them act as RTWC

The real-time sea level monitoring network is improving but still has to be enhanced in most part of the NEAM region:

Never forgot that sea level data are the unique data that could confirm the tsunami generation

The data from these stations are used to monitor and alert all sea-level hazards, storm surges, swell, long term sea-level elevation:

a MULTI-HAZARD USE part of MULTI-HAZARD STRATEGY