**ICG/NEAMTWS WORKING GROUPS AND TASK TEAMS**

**PLAN OF ACTION
DECEMBER 2020 – DECEMBER 2021**

**WORKING GROUP 1. HAZARD ASSESSMENT AND MODELLING**

**CO-CHAIRS :** Audrey Gailler (CEA, France), Mauricio Gonzalez (IH-Cantabria, Spain)

| **Strategic Area** | **Activity** | **Time Frame** | **Responsible Per/ Inst** |
| --- | --- | --- | --- |
| **WG1 on****Hazard Assessment****and****Modelling** | Update of WG1 ToR for a future Hazards and Risk WG | December 2020- Jul 2021 | WG1 co-chairs, Participants & IOC Secretariat |
| Elaboration of SOPs for cancellation of tsunami warning : Synthesis of rules/methods/procedures applied by each TSP for local tsunami impact, and approach chosen by each country (min/max Magnitude) to account for local and remote sources | December 2021 | WG1 co-chairs, participants, TT-OP, TSP actors & IOC Secretariat |
| Review of Basin Definition Document – update with worst case scenarios from the CENALT fault database | December 2020- Jun 2021 | WG1 co-chairs, participants, & IOC Secretariat  |
| Participation in AGITHAR cost Action Meetings | Jan-Dec. 2021 | WG1 co-chairs, participants & IOC Secretariat  |
| Classical numerical benchmarking for the NEAM region (1969 Atlantic event) – review of data provided and models comparison | December 2021 | WG1 participants (based on AGITHAR cost Action) & Portugal and Spain |
| Classical numerical benchmarking for the NEAM region (2003 Algerian event) – review of data provided and models comparison | December 2021 | WG1 participants (based on AGITHAR cost Action) & France and Spain |
| Review on PTHA components benchmarking (source heterogeneity) | Beyond 2021 | WG1 participants (based on AGITHAR cost Action) & IOC Secretariat |
| Methodology to apply TSUMAPS available data in points close to the coast, to obtain local PTHA flooding maps in NEAMTWS region | Beyond 2021 | WG1 participants (based on AGITHAR cost Action) |
| Provision of data for benchmarking (seismic parameters, topo-bathymetry, sea level data, run-up....) of the Greece 1956 event | December 2021 | Greece & IOC Secretariat |
| Having meetings (e.g., during EGU, EPOS) | Whole intersessional period | All WG1 actors |

**WORKING GROUP 2 AND 3 :  SEISMIC, GEOPHYSICAL & SEA LEVEL MEASUREMENTS**

**CO-CHAIRS :** Anna von Gyldenfeldt (Federal Maritime and Hydrographic Agency / Germany),

Musavver Didem Cambaz (Kandilli Observatory and Earthquake Research Institute / Turkey)

| **Strategic Area** | **Activity** | **Target / Result Indicators** | **Time Frame** | **Responsible Per/ Inst** |
| --- | --- | --- | --- | --- |
| **Working Group 2+3:****Seismic, Geophysical and****Sea Level Measurements****Anna von Gyldenfeldt (BSH, Germany)** **&** **Musavver Didem Cambaz** **(KOERI, Turkey)** | 1. Identify reference contacts for Seismic, Geophysical & Sea Level networks, to be included in the sensor databases, in order to facilitate bilateral agreements (persons not necessarily included in the list of experts).
 | IOC Circular Letter | 2021 | WG2+3 / IOC Secretariat |
| 1. Continue the evaluation of ocean bottom instruments, the progress of MS in the installations of offshore facilities and their possible inclusion in the operations of the TSPs.
 | Report to ICG | ongoing | WG2+3  |
| 1. Maintain and strengthen cooperation with EC-JRC in providing real time data for the NEAMTWS.
 | Report to ICG and update relevant list | ongoing | WG2+3 / JRC |
| 1. Provide a list and/or identity online repositories of possible sea level stations by following developments in the EuroSea Project
 | Update list and compile online resources | 2021 | WG2+3 |
| 1. Report on status and needs of upgrade of sea level stations and final requirements on priority of site. Identify the sea level stations that have redundancy communications (Sat, HF, etc…)
 | Report to ICG | ongoing | WG2+3 |
| 1. Monitoring the installation of HF radar system for tsunami alert.
 | Report to ICG | ongoing | WG2+3 |
| 1. Participation of WG2+3 co-chairs in meetings and the Steering Committee report progress to the ICG/NEAMTWS
 | 1 Co-Chairs meetings2. Participation in SC 20203. Progress report to ICG/NEAMTWS | 2021 | WG2+3  |
| 1. Explore, together with WG4, possibilities of conveying useful information of WG2+3’s work content through NEAMTIC (To be confirmed with the WG4 Co-Chairs at the next Steering Committees meeting).
 | Report to ICG  | 2021 | WG2+3 / WG4 |

**WORKING GROUP 4 : PUBLIC AWARENESS, PREPAREDNESS AND MITIGATION**

Co-chairs: **Cecilia Valbonesi** (University of Florence, Italy) &**Areti Plessa** (Civil Protection Directorate, Region of Attica, Greece)

| **Strategic Area** | **Objectives** | **Activity** | **Target / Result Indicators** | **Time Frame** | **Responsible Per/ Inst** |
| --- | --- | --- | --- | --- | --- |
| Working Group 4: Public Awareness, Preparedness and Mitigation | Promote community preparedness and initiatives at national level and in the framework of international projects, fostering synergies whenever possible and appropriate | Interact with the TR group, which has been formed within WG4 and foster its activities. | -Online meetings of the TR group (at least 3)- Report to the ICG on the activities of TR Team among them a draft of ToR.-Webinar to enhance the development of TR in NEAM region and gain experience by interacting with experts from other ICGs, who will be invited. | -All intersessional period | Cecilia Valbonesi/Areti Plessa / TR group/Secretariat |
| Put forward the issue of membership regarding TR group | -Official list of active TR group members  | -Until June 2021 | Secretariat with the support of WG4 co-chairs |
| Monitoring of TR pilot projects in NEAM area and sharing with WG4 members | -Report to ICG on TR initiative | -All intersessional period | Cecilia Valbonesi/Areti Plessa / TR Team |
| Encourage and support the development of the downstream (Preparedness and Response) component of the ICG/NEAMTWS programme | Perform an assessment of the legal implications of piloting Tsunami Ready-like initiatives in some test Countries of the NEAM region | -Study on the impact of TR guidelines on the responsibilities of scientists, public administrators and civil protection. -Study on the responsibilities of the members of the local and the national TR board as well as the evaluation of the role of UNESCO in the recognition of a municipality as TR. | -All intersessional period | Cecilia Valbonesi |
| Information and experience exchange regarding tsunami risk and disaster management within NEAM region | Attempt to collaborate with the TSPs to obtain inputs (e.g. reports) in order to contribute to keeping the NEAMTIC website updated and to enriching its content  | Contacts with all TSPs | -All intersessional period | Cecilia Valbonesi/Areti Plessa with the support of the Secretariat |
| Enhancing interdisciplinarity in tsunami risk and disaster management | To explore contributions and views of social scientists on tsunami threat levels. | - A first step analysis (short report) that will focus on the review of research literature and operational reports to address strength, weakness, opportunities and threats of threat level based EWS systems within the NEAMTWS context, as a base for further empirical research. | -All intersessional period | Andrea Cerase (University of Rome "La Sapienza") and Lorenzo Cugliari (INGV) |
| Represent WG4 in ICG/NEAMTWS and in INTER-ICG TOWS TASK TEAM on DMP (Disaster Management and Preparedness) | -Represent WG4 at the online meeting of the inter-ICG Task Team on “Disaster management and preparedness”, February 2021-Share the WG4 plan of action for 2021 with the NEAMTWS members during the Steering Committee meeting April 2021-Report progress to Steering Committee and to ICG | -Report to the ICG-Participation to the SC meeting/WG4 presentation-Draft PoA for WG4 | -All intersessional period | Cecilia Valbonesi/Areti Plessa |
| Cooperation with other Working Groups and Task Teams as needed and requested | Support when needed and provide feedbacks | Participation to online meetings, input/provide feedbacks to reference documents upon request | -All intersessional period | Cecilia Valbonesi/Areti Plessa |

**TASK TEAM ON OPERATIONS**

Co-chairs: **Fernando Carrilho** (Instituto Português do Mar e da Atmosfera, Portugal) & **Alessio Piatanesi** (Istituto Nazionale di Geofisica e Vulcanologia, Italy)

| **Strategic Area** | **Activity** | **Target / Result Indicators** | **Time Frame** | **Responsible Per/ Inst** |
| --- | --- | --- | --- | --- |
| Task Team on Operations | Explore and discuss how to include near real-time tsunami information on NEAMTIC-Dedicated Webpages (Password protected).  | Report to SC and ICG | All intersessional period | TTO+SC+NEAM Secretariat |
| Meeting/consultation on the adoption of the threat level. Explore contributions and views of social scientist on tsunami threat levels.  | Report to SC and ICG | All intersessional period | TTO+WG4 |
| Harmonization of Tsunami Warning Forecast Points, Evaluation of local EWS, how to address non-instrumental observations, and social media in TEWS. | Update relevant listReport to SC and ICG | All intersessional period | TTO+TSPs+WG4 |
| Harmonization and standardization of enhanced tsunami products in NEAM region.  | Report to SC and ICG | All intersessional period | TTO+TSPs |
| Request NEAM TSPs and NTWCs to make public tsunami warnings available in the Common Alerting Protocol (CAP) format as an addition to their current messages, as applicable.  | Report to SC and ICG | All intersessional period | TTO+TSPs |
| Consultation with TSPs on Tsunami Alert to Maritime Community  | Report to SC and ICG | All intersessional period | TTO and TSPs |
| Cooperation with other Working Groups and Task Teams (inter -ICG-TOWS TTTWO included) as needed and requested | Report to SC and ICG | All intersessional period | TTO |
| Conduct a TT meeting in mid 2021 | Meeting and later report to ICG | Mid intersessional period | TTO |

**TASK TEAM ON TSUNAMI EXERCISE**

**CO-CHAIR :** Ceren Ozer Sozdinler (Institute of Education, Research and Regional Cooperation for Crisis Management Shikoku, Kagawa University/ Japan), Marinos Charalampakis (National Observatory of Athens/ Greece)

| **Strategic Area** | **Activity** | **Time Frame** | **Responsible Per/ Inst** |
| --- | --- | --- | --- |
| **Task Team on Tsunami Exercise** | Evaluation of NEAMWave21 | Whole intersessional period | TT-TE co-chairs, exercise team & IOC Secretariat |
| Collecting NEAMWave21 evaluation questionnaires | March 2021 | TT-TE co-chairs & IOC Secretariat |
| Presentation of preliminary evaluation results in SC meeting | April 2021 | TT-TE co-chairs  |
| Submission of exercise evaluation reports by TSPs | May 2021 | TSPs |
| Preparation of Exercise Evaluation Report | June-September 2021 | TT-TE co-chairs, exercise team & IOC Secretariat |
| Submission of Evaluation Report to IOC Secretariat | October 2021 | TT-TE co-chairs |
| Presentation of NEAMWave21 evaluation report in 17th ICG Session | November 2021 | TT-TE co-chairs  |