



Intergovernmental Oceanographic Commission (IOC) of UNESCO
Tsunami Early Warning and Mitigation System in North-Eastern Atlantic,
Mediterranean and Connected Seas (ICG/NEAMTWS)

Sea Level Related Hazards Risk Perception Survey Questionnaire

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EU DG ECHO, and CoastWAVE Project Partners

Within the framework of the Intergovernmental Coordination Group for the North-Eastern Atlantic, the Mediterranean and Connected Seas Tsunami Early Warning and Mitigation System (ICG/NEAMTWS) and IOC EU DG ECHO CoastWAVE Project, IOC-UNESCO is carrying out a survey with selected Member States on the perception of coastal risks and preparedness to tsunami, storm surge and sea level rise to better understand how coastal populations perceive these natural hazards and risks and develop recommendations for enhanced risk communication strategies and products in the region.

The goal of the survey is to improve sea-level-related early warning and mitigation systems and preparedness in the Mediterranean region in order to save lives, reduce losses and damages in the event of a natural disaster of that kind.

Note: All information given in this survey will be anonymous and confidential. The questionnaire will take about 15 minutes. We thank you for your contribution.

Questionnaire is for people in the education sector (teachers, students etc.) except people under the age of 14, the tourism sector (restaurant-bar, store, and hotel owners, employees of these sectors, guides, etc.), the emergency responders (fire fighters, police, coast guard, civil protection agencies etc.) and the public

I consent to the information I provide in this questionnaire can be used anonymously in publications.

N°	Question	Choice
1- Personal Information		
1	Where do you live?	<input type="checkbox"/> Spain - Chipiona <input type="checkbox"/> Turkey - Buyukcekmece <input type="checkbox"/> Malta - Marsaxlokk <input type="checkbox"/> Cyprus - Larnaca <input type="checkbox"/> Egypt - Alexandria <input type="checkbox"/> Greece - Samos <input type="checkbox"/> Morocco - El Jadida <input type="checkbox"/> Other, please mention the city:
2	What is your gender?	<input type="checkbox"/> Female <input type="checkbox"/> Male <input type="checkbox"/> Prefer not to answer
3	How old are you?	<input type="checkbox"/> 14-17 years old <input type="checkbox"/> 18-24 years old <input type="checkbox"/> 25-34 years old <input type="checkbox"/> 35-44 years old <input type="checkbox"/> 45-54 years old <input type="checkbox"/> 55-64 years old <input type="checkbox"/> 65-74 years old <input type="checkbox"/> 75 years old or more

4	What is your highest level of school completed?	<input type="checkbox"/> Primary school <input type="checkbox"/> Secondary school <input type="checkbox"/> High School <input type="checkbox"/> University <input type="checkbox"/> Other, please specify:
5	Are you part of one of the following sectors?	<input type="checkbox"/> Tourism sector (hotel/restaurant/bar owners/employees, tourist guide, shop owner etc.) <input type="checkbox"/> Education sector (teacher, student, etc.) <input type="checkbox"/> Emergency responders (fire fighters, police, coast guard, civil protection agency etc.) <input type="checkbox"/> Public
5 for ER	Which organization do you work for?	Please specify:
2- Awareness / Knowledge		
6	Have you ever heard of any of the following hazards? Please select all that apply.	<input type="checkbox"/> Tsunami <input type="checkbox"/> Sea-level rise <input type="checkbox"/> Storm surge
6 for ER	What kind of measures and actions do you take for each of the listed hazards?	<input type="checkbox"/> Tsunami, please specify: <input type="checkbox"/> Storm surge, please specify: <input type="checkbox"/> Sea-level rise, please specify:
7	Have you ever experienced one or more of these hazards?	a) Tsunami: <input type="checkbox"/> Yes, please indicate briefly when and what happened: <input type="checkbox"/> No <input type="checkbox"/> I don't know b) Storm surge: <input type="checkbox"/> Yes, please indicate briefly when and what happened: <input type="checkbox"/> No <input type="checkbox"/> I don't know
8 To be removed for ER	Describe each hazard with 3 words (use adjectives, nouns, etc.)	a) Tsunami: _____ b) Storm surge: _____ c) Sea-level rise: _____
9 To be removed for ER	In your opinion, what are the causes of these hazards?	Please specify for each with keywords (leave it blank if you do not know): a) Tsunami: b) Storm surge: c) Sea-level rise:

10	How likely, in your opinion, the coastal zones of the North-eastern Atlantic and Mediterranean (NEAM) region , can experience a tsunami, storm surge or sea-level rise in the next 10 years?	a) Tsunami <input type="checkbox"/> not possible <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high b) Storm surge <input type="checkbox"/> not possible <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high c) Sea-level Rise <input type="checkbox"/> not possible <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high
11	How likely, in your opinion, the coastal zones of your community can experience a tsunami, storm surge or sea-level rise in the next 10 years?	a) Tsunami <input type="checkbox"/> not possible <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high b) Storm surge <input type="checkbox"/> not possible <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high c) Sea-level Rise <input type="checkbox"/> not possible <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high
12	What do you think could be the impacts (loss of lives and property damages) of the listed hazards in coastal regions of the North-eastern Atlantic and Mediterranean (NEAM) ?	a) Tsunami <input type="checkbox"/> low (no loss of life, no property damage) <input type="checkbox"/> moderate (possible loss of life and property damage) <input type="checkbox"/> high (significant loss of life and property damage) b) Storm surge <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high c) Sea-level Rise <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high

13	What do you think could be the impacts (loss of lives and property damages) of the listed hazards in coastal regions of your community ?	a) Tsunami <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high b) Storm surge <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high c) Sea-level Rise <input type="checkbox"/> low <input type="checkbox"/> moderate <input type="checkbox"/> high
14	According to you, what are the natural signs of a tsunami?	Please specify at least one:
15	In your opinion, what is the expected height of a tsunami that can happen soon (e.g., in the next 10 years) in coastal regions of the North-eastern Atlantic and Mediterranean (NEAM) ?	<input type="checkbox"/> Less than 50cm <input type="checkbox"/> 50cm to 1m <input type="checkbox"/> 1 to 2m <input type="checkbox"/> 2 to 5m <input type="checkbox"/> Higher than 5m
16	In your opinion, how long do you think it will take for a tsunami to arrive to coastal region of your community ?	<input type="checkbox"/> Less than 10 minutes <input type="checkbox"/> 10-20 minutes <input type="checkbox"/> 20-30 minutes <input type="checkbox"/> More than 30 minutes
17	Do you know if your municipality has the necessary capacities and infrastructure to alert and or inform the local population for earthquake, tsunami, storm surge and where sea level rise is happening or likely to happen?	a) Earthquake <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I am not aware b) Tsunami <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I am not aware c) Storm surge <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I am not aware d) Sea Level Rise <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I am not aware
18	Do you know if your municipality displays evacuation signs to indicate the best evacuation routes to take and or what to do in case of sea level rise?	a) Tsunami <input type="checkbox"/> Yes, there are displayed signs <input type="checkbox"/> No, there are none <input type="checkbox"/> Not aware if there is any b) Storm surge <input type="checkbox"/> Yes, there are displayed signs <input type="checkbox"/> No, there is none <input type="checkbox"/> Not aware if there is any b) Sea Level Rise <input type="checkbox"/> Yes, there are information <input type="checkbox"/> No, there is none <input type="checkbox"/> Not aware if there is any

3- Exposure and sense of exposure		
19	How far do you live from the seashore/coast on foot?	<input type="checkbox"/> Less than 5 minutes <input type="checkbox"/> 5 to 10 minutes <input type="checkbox"/> More than 10 minutes
20	Who do you live with?	<input type="checkbox"/> Alone <input type="checkbox"/> Accompanied with people dependent on me (children, disabled person, elderly people, other) <input type="checkbox"/> Accompanied and dependent on people (parents, grand-children, other). <input type="checkbox"/> Family/couple with no dependent people
21	How far is your workplace / school / university from the seashore/ coast on foot?	<input type="checkbox"/> Less than 5 minutes <input type="checkbox"/> 5 to 10 minutes <input type="checkbox"/> More than 10 minutes <input type="checkbox"/> Not reachable on foot (more than 2km)
22	Do you have other properties within 10 minutes walking distance from the seashore/coast?	<input type="checkbox"/> Yes, please specify <input type="checkbox"/> No <input type="checkbox"/> I don't know
4- Assessment, Preparedness, and Response		
23	The impact of sea-level-related disasters could be reduced or avoided by:	Select one or more: <input type="checkbox"/> Individual actions <input type="checkbox"/> Collective Actions <input type="checkbox"/> The impact of a natural disaster can't be reduced.
24	How do you feel about the risk and impact of a tsunami in your municipality?	<input type="checkbox"/> Not concerned, because: <input type="checkbox"/> Concerned, because: <input type="checkbox"/> Highly concerned, because:
25	How do you feel about the risk and impact of storm surge in your community?	<input type="checkbox"/> Not concerned, because: <input type="checkbox"/> Concerned, because: <input type="checkbox"/> Highly concerned, because:
26	How do you feel about the risk and impact of sea-level rise in your community?	<input type="checkbox"/> Not concerned, because: <input type="checkbox"/> Concerned, because: <input type="checkbox"/> Highly concerned, because:
27	Do you know if your municipality has an evacuation or resettlement plan in place for tsunamis, storm surge and sea level rise?	a) Tsunami <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know b) Storm surge <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know b) Sea Level Rise <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know

28	Have you taken any precautions or measures of your own against any of these hazards?	a) Tsunami <input type="checkbox"/> Yes, please specify: <input type="checkbox"/> No b) Storm surge <input type="checkbox"/> Yes, please specify: <input type="checkbox"/> No c) Sea-level Rise <input type="checkbox"/> Yes, please specify: <input type="checkbox"/> No
29	Do you have any kind of insurance against any of these hazards?	a) Tsunami <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know b) Storm surge <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know c) Sea-level Rise <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know
30	Have you ever heard of, or participated in an evacuation exercise, drill or other actions related to tsunami, storm surge and sea level rise?	<input type="checkbox"/> Yes, please specify: <input type="checkbox"/> No
31	Imagine you are on the coast. What would you do first if you feel a strong shaking due to an earthquake?	<input type="checkbox"/> Do nothing and continue my business <input type="checkbox"/> Observe my surroundings / the sea <input type="checkbox"/> Move away from the shore, please specify where: <input type="checkbox"/> Call / talk to someone to confirm what happened <input type="checkbox"/> Other, please specify:
32	What could affect your ability to evacuate to a safe area? Please, select all that apply.	<input type="checkbox"/> I have disabled and/or young people under my care <input type="checkbox"/> Because of my personal health conditions <input type="checkbox"/> I have animals under my care <input type="checkbox"/> I have to continue to run my business or activity <input type="checkbox"/> Other reason(s), please specify:
5- Governance		
33	Which communication channel would you prefer for receiving alert messages? Please order from most important to least important (1 is the most important, 6 is the least important)	<input type="checkbox"/> TV <input type="checkbox"/> Radio <input type="checkbox"/> Internet (social media) <input type="checkbox"/> Audible alerts (sirens, loudspeakers) <input type="checkbox"/> SMS <input type="checkbox"/> E-mail
34	Do you feel that your municipality is able to manage emergency response operations during listed hazards and	a) Tsunami <input type="checkbox"/> Yes <input type="checkbox"/> No b) Storm surge

	doing anything to reduce sea level rise impacts (adaption)?	<input type="checkbox"/> Yes <input type="checkbox"/> No b) Sea Level Rise <input type="checkbox"/> Yes <input type="checkbox"/> No
35	In case of a sea-level-related hazard, who do you think is responsible for managing the crisis in your municipality? You can select more than one answer.	<input type="checkbox"/> Municipality <input type="checkbox"/> Police <input type="checkbox"/> Fire fighters <input type="checkbox"/> Coast guard <input type="checkbox"/> Community <input type="checkbox"/> Civil protection agencies <input type="checkbox"/> No one, <input type="checkbox"/> Other, please specify:
35 for ER	In your opinion, besides your agency, who is currently involved in the emergency response or disaster risk management and reduction? You can select more than one answer.	<input type="checkbox"/> Municipality <input type="checkbox"/> Police <input type="checkbox"/> Fire fighters <input type="checkbox"/> Coast guard <input type="checkbox"/> Community <input type="checkbox"/> Civil protection agencies <input type="checkbox"/> No one <input type="checkbox"/> Other, please specify:
36 Change it for ER	Do you think that more can be done in terms of disaster risk reduction or management? If yes, by whom?	<input type="checkbox"/> Yes, please specify: <input type="checkbox"/> No, please specify:
37 To be added for ER	Which key preparation measures are currently undertaken?	Please specify:
38 To be added for ER	What do you think is the biggest challenge to effectively managing coastal hazards/ risk?	Please specify:
39 To be added for ER	What do you believe regarding the following statement: The impact of different hazards is considered in decision-making processes?	<input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree to some extent <input type="checkbox"/> Neither disagree, nor agree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree
40 To be added for ER	Do you agree that Early Warning Systems and Emergency Responders are streamlined and integrated into decision making, national development plans and actions?	<input type="checkbox"/> Yes, please specify: <input type="checkbox"/> No, please specify: