



## WHAT CAN WE DO TO REDUCE TSUNAMI RISK?

The use of monitoring networks, the study of past events and of wave propagation models are just a few of the actions that allow to reduce tsunami risk. Such knowledge contributes to improving territorial planning and to carry out interventions to make areas exposed to the risk safer, and also to elaborate emergency plans. Being aware and being prepared are the best ways to prevent and reduce the consequences of a tsunami.

The SIAM belongs to the international alerting system that has been established for the Mediterranean, modelled on the ones active in the Caribbean Sea and Pacific and Indian Oceans. Compared to the others, however, it has some limitations, as the Mediterranean sea is smaller and arrival times of waves are very short, and this reduces the time to alert the population. It is therefore fundamental to know how to behave, keeping in mind that false alarms are always a possibility for tsunami risk.

located along the Mediterranean coasts will then allow the tsunami alert messages to be confirmed or canceled.

The Civil Protection Department will issue the alert messages to the structures and components of the civil protection national service to reach the potentially affected population in the shortest possible time. The tide gauge data managed by ISPRA, and by the tide gauges of the civil protection national service to reach the potentially affected population in the shortest possible time.

Protection or near the coast might generate a tsunami. On the basis of these assessments, the Civil

Environment Protection and Research and the Department of Civil Protection.

Volcanology, that operates through the Cat-Tsunami Alert Centre, Ispra - Institute for

with the collaboration of three institutions: Ingv - National Institute of Geophysics and

The new SIAM - National Tsunami Warning System has been established in Italy in 2017,

Nobody knows. It can occur at any time. We know many things about tsunamis, but it is

not yet possible to predict when and where they will occur.

Civil protection volunteers take part to the **IO NON RISCHIO** maremoto campaign with the local sections of Ana, Anc, Anpas, Anvfc, Avis, Italian Caritas, Cisom, Cives, Cngei, Cri, Era, Fin, Fir Cb, Legambiente, Misericordie, Prociv-Arci, Prociv Italia, Rnre, Ucis, Unitalsi, Vab. Moreover, the regional associations and local groups of Calabria, Campania, Emilia Romagna, Friuli Venezia Giulia, Lazio, Marche, Puglia, Sicily and Veneto will participate.

**IS THERE AN ITALIAN ALERT SYSTEM?**

**WHEN WILL THE NEXT TSUNAMI OCCUR?**

The **IO NON RISCHIO** maremoto campaign is promoted and carried out by



in collaboration with



**IO NON RISCHIO** is a national informative campaign on natural and man-made risks that affect our country, carried out in collaboration with the involved Regions and Municipalities. It is addressed to the citizens with the aim of promoting their active role during prevention. The volunteers of civil protection - organized, trained and prepared citizens - are the protagonists of this initiative. Women and men that, on a daily basis, contribute in first person to risk reduction. Besides the days in the squares, the campaign provides for initiatives dedicated to the world of work and schools.



[www.iononrischio.it](http://www.iononrischio.it)

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# IO NON RISCHIO

## maremoto

BUONE PRATICHE DI PROTEZIONE CIVILE



# What you need to know and what to do **BEFORE** a tsunami

## What do you need to know?

In a basin like the Mediterranean, arrival times of waves are very short and authorities might not have enough time to issue an alert. If you live, work or travel in a coastal area, learn to recognize phenomena that could signal the arrival of a tsunami:

- A strong earthquake you have felt or heard about
- A deep and increasing noise coming from the sea, like that of a train or a low flying aircraft
- A sudden and unusual retreat of the sea, a rapid rise in sea level or a big wave extended over the whole horizon.

Remember that houses and buildings close to the coast aren't always safe:

- The degree of safety of a building depends on various factors, for example the typology and quality of materials used, the altitude, the distance from the shore, the number of floors, the degree to which it is exposed to the impact of the wave
- Generally, the highest floors of a concrete reinforced building, if properly built, offer adequate protection

## What to do before?

You need to know the environment where you live, work or spend a significant amount of time in order to better react in case of emergency:

- Ask local authorities of civil protection for a Plan, areas at risk, evacuation times and escape routes, and follow signs to designated waiting areas to be reached in case of emergency
- Obtain safety information about your own house and the surrounding area
- Make sure that your school or workplace has an evacuation plan and that periodical simulation exercises are carried out
- Be prepared for the emergency with your family and plan how to reach escape routes and waiting areas
- Keep a first aid kit and supplies of water and food at home
- Learn the correct behaviour to adopt during and after a tsunami

**LEARNING TO PREVENT AND REDUCE  
THE EFFECTS OF A TSUNAMI IS  
EVERYBODY'S TASK.**

Share your knowledge with your family, your schoolmates and your colleagues: each of us should contribute to the dissemination of information on tsunami risk.