### Objective

The NEAM (North East Atlantic, Mediterranean and Adjacent Seas) region of IOC/UNESCO is known to be exposed to tsunamis and, like other regions of the world, faces increasing levels of risk due to i) continuous development of coastal areas with critical infrastructure, and ii) year-round presence of millions of tourists.

In recent years, European researchers have greatly advanced knowledge of tsunami hazards and implementation of operational infrastructure, such as creation of a regional system of candidate tsunami-watch providers (CTWP) and national tsunami warning centers (NTWC). However, significant gaps remain and more effort is needed.

ASTARTE (Assessment STStrategy And Risk for Tsunami in Europe) aims to develop a comprehensive strategy to mitigate tsunami impact in this region. To achieve this goal, an interdisciplinary consortium has been assembled. It includes all CTWPs of NEAM and expert institutions across Europe and worldwide.

ASTARTE will improve i) basic knowledge of tsunami generation and recurrence going beyond simple catalogues, with novel empirical data and new statistical analyses for assessing long-term recurrence and hazards of large events in sensitive areas of NEAM, ii) numerical techniques for tsunami simulation, with focus on real-time codes and novel statistical emulation approaches, and iii) methods for assessment of...
hazard, vulnerability, and risk.

ASTARTE will also provide i) guidelines for tsunami Eurocodes, ii) better tools for forecast and warning for CTWPs and NTWCs, and iii) guidelines for decision makers to increase sustainability and resilience of coastal communities. In summary, ASTARTE will develop basic scientific and technical elements allowing for a significant enhancement of the Tsunami Warning System in the NEAM region in terms of monitoring, early warning and forecast, governance and resilience.

Overall, this will lead to the goal of the European/NEAM Horizon 2020 strategy: to foster tsunami resilient communities.

Field of Science

/social sciences/sociology/governance

/social sciences/other social sciences/social sciences interdisciplinary/sustainable development

Programme(s)

FP7-ENVIRONMENT - Specific Programme "Cooperation": Environment (including Climate Change)

Topic(s)

ENV.2013.6.4-3 - Coasts at threat in Europe: tsunamis and climate-related risks

Call for proposal

FP7-ENV-2013-two-stage

See other projects for this call

Funding Scheme

CP - Collaborative project (generic)

Coordinator
### INSTITUTO PORTUGUES DO MAR E DA ATMOSFERA IP
- **Address**: Rua C Ao Aeroporto, 1749 077 Lisboa, Portugal
- **Activity type**: Other
- **EU Contribution**: € 820 996

#### Participants (25)

<table>
<thead>
<tr>
<th>Organisation Name</th>
<th>EU Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUNDACAO DA FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA FP</td>
<td>€ 160 000</td>
</tr>
<tr>
<td>MIDDLE EAST TECHNICAL UNIVERSITY</td>
<td>€ 529 990</td>
</tr>
</tbody>
</table>

---

**Contact Information**

**Administrative Contact**

**Júlio Guerra (Mr.)**

---

**Contact Information**

**Administrative Contact**

**Helia Rodrigues (Mrs.)**

---

**Contact Information**

**Administrative Contact**

**Ahmet Cevdet Yalciner (Prof.)**
<table>
<thead>
<tr>
<th>Organisation</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOGAZICI UNIVERSITESI</td>
<td>€ 349 999,80</td>
<td>Bebek 34342 Istanbul</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES</td>
<td>€ 320 658</td>
<td>Rue Leblanc 25 75015 Paris 15</td>
<td>Research Organisations</td>
</tr>
<tr>
<td>ALTERNATIVES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS</td>
<td>€ 471 039</td>
<td>Rue Michel Ange 3 75794 Paris</td>
<td>Research Organisations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation</td>
<td>EU Contribution</td>
<td>Country</td>
<td>Address</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA</td>
<td>€ 310,992</td>
<td>Italy</td>
<td>Via Zamboni 33 40126 Bologna</td>
</tr>
<tr>
<td>ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA</td>
<td>€ 355,200</td>
<td>Italy</td>
<td>Via Di Vigna Murata 605 00143 Roma</td>
</tr>
<tr>
<td>UNIVERSIDAD DE CANTABRIA</td>
<td>€ 315,000</td>
<td>Spain</td>
<td>Avenida De Los Castros S/N 39005 Santander</td>
</tr>
</tbody>
</table>
UNIVERSITAT DE BARCELONA
Spain

Address
Gran Via De Les Corts Catalanes 585
08007 Barcelona

EU Contribution
€ 213 239

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
Xavier Gutiérrez (Mr.)

POLYTECHNEIO KRITIS
Greece

Address
Building E4, Technical University Campus Counoupidiana
731 00 Chania

EU Contribution
€ 370 110

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
Costas Synolakis (Prof.)

ETHNIKO ASTEROSKOPEIO ATHINON
Greece

Address
Lofos Nymfon
11810 Athina

EU Contribution
€ 288 000

Activity type
Research Organisations

Website
Contact the organisation

Administrative Contact
Maria Sachpazi (Prof.)
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Address</th>
<th>Activity type</th>
<th>EU Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITAET HAMBURG</td>
<td>Mittelweg 177, 20148 Hamburg</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 231 000</td>
</tr>
<tr>
<td>HELMHOLTZ ZENTRUM POTSDAM</td>
<td>Telegrafenberg 17, 14473 Potsdam</td>
<td>Research Organisations</td>
<td>€ 243 414</td>
</tr>
<tr>
<td>UNIVERSITAET BREMEN</td>
<td>Bibliothekstrasse 1, 28359 Bremen</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 210 000</td>
</tr>
<tr>
<td>Organisation</td>
<td>EU Contribution</td>
<td>Activity type</td>
<td>Address</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>------------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>STIFTELSEN NORGES GEOTEKNISKE INSTITUTT</td>
<td>€ 270 000</td>
<td>Other</td>
<td>Sognsveien 72, N-0855 Oslo</td>
</tr>
<tr>
<td>UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN</td>
<td>€ 120 000</td>
<td>Higher or Secondary Education Establishments</td>
<td>Belfield, 4 Dublin, Dublin</td>
</tr>
<tr>
<td>NATURAL ENVIRONMENT RESEARCH COUNCIL</td>
<td>€ 200 000</td>
<td>Research Organisations</td>
<td>Polaris House, North Star Avenue, Sn2 1eu Swindon Wiltshire</td>
</tr>
<tr>
<td>Organisation</td>
<td>Country</td>
<td>EU Contribution</td>
<td>Address</td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
<td>-----------------</td>
<td>---------</td>
</tr>
<tr>
<td>DANMARKS TEKNISKE UNIVERSITET</td>
<td>Denmark</td>
<td>€ 110 000</td>
<td>Anker Engelundsvej 1, Bygning 101 A, 2800 Kgs Lyngby</td>
</tr>
<tr>
<td>INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA PAMANTULUI</td>
<td>Romania</td>
<td>€ 30 000</td>
<td>Calugareni Street 12, 077125 Magurele-Bucuresti</td>
</tr>
<tr>
<td>SPECIAL RESEARCH BUREAU FOR AUTOMATION OF MARINE RESEARCHES FAR EAST BRANCH RUSSIAN ACADEMY OF SCIENCES</td>
<td>Russia</td>
<td>€ 50 040</td>
<td>Ul Maxim Gorkiy 25, 693023 Yuzhno Sakhalinsk</td>
</tr>
<tr>
<td>Organisation</td>
<td>Address</td>
<td>Activity type</td>
<td>EU Contribution</td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
<td>---------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>CENTRE NATIONAL POUR LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE</td>
<td>Angle Avenue Des Far Et Allal El Fassi, 10102 Rabat</td>
<td>Research Organisations</td>
<td>€ 30 000</td>
</tr>
<tr>
<td>U.S. DEPARTMENT OF COMMERCE</td>
<td>Constitution Avea 1401, D.C. 20230 Washington</td>
<td>Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)</td>
<td></td>
</tr>
<tr>
<td>PORT AND AIRPORT RESEARCH INSTITUTE</td>
<td>Nagase 3 1 1, 2390826 Yokosuka</td>
<td>Research Organisations</td>
<td></td>
</tr>
</tbody>
</table>
UNIVERSITY OF SOUTHERN CALIFORNIA

Address: 3551 Trousdale Pkwy Adm 352 90089 5013 Los Angeles Ca
Activity type: Higher or Secondary Education Establishments

Contact the organisation

Administrative Contact: Lee Cindy (Mrs.)

NATIONAL UNIVERSITY CORPORATION THE UNIVERSITY OF TOKYO

Address: Hongo Bunkyo Ku 7 3 1 113 8656 Tokyo
Activity type: Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact: Kenji Satake (Prof.)

Share this page

Last update: 12 April 2016
Record number: 111481

Permalink: https://cordis.europa.eu/project/id/603839/en

© European Union, 2019