



DE LA RECHERCHE À L'INDUSTRIE

CENALT – French NTWC – TSP

ICG/NEAMTWS-XVII – Virtual meeting – 24-26 November, 2021

► 7 messages

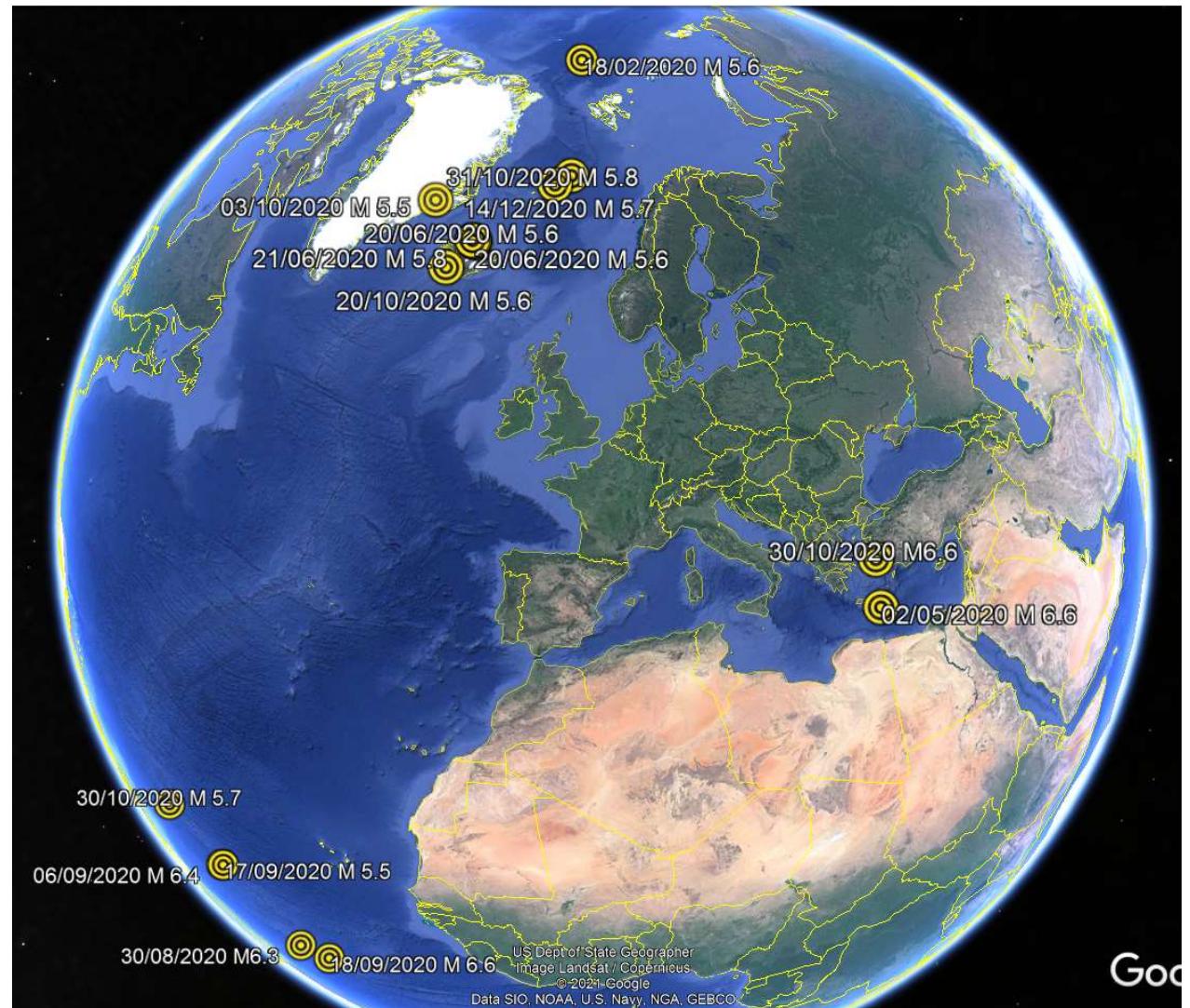
► 6 NE Atlantic (info)

► 1 Mediterranean Sea

- Advisory for Algeria, Italy, Spain, Tunisia
- Sea level monitoring



- ▶ 13 national and international information messages
- ▶ 2 national information messages



As in 2020

► No significant impact on the operational work in CENALT

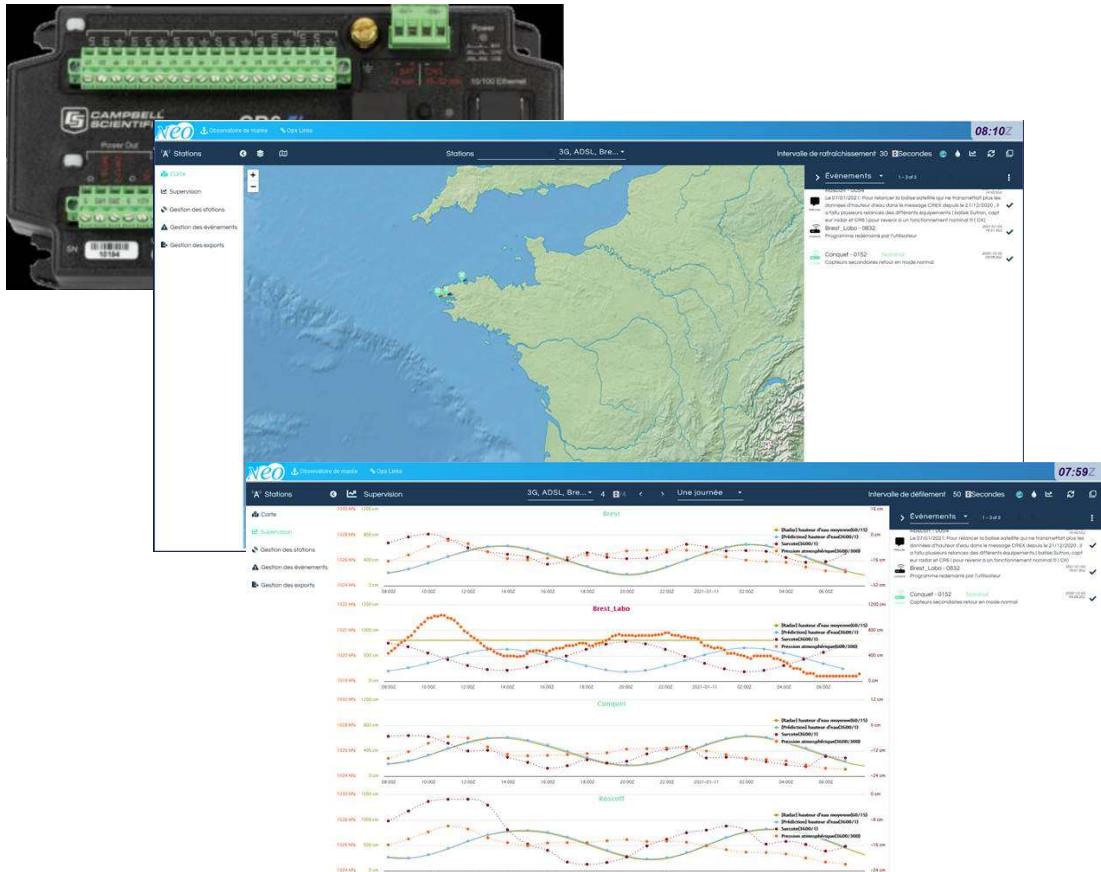
- Working conditions were adapted
- No impact on network and information system
- The high level dedication of the staff allowed the 100% operational monitoring

► Project management, trainings and exercises

- Some exercises were postponed (Neamwave2020 → 2021)
- Monthly exercises OK
- Limited in-person meetings, visits

SHOM message on permanent French TG Network « RONIM »

Major modernisation

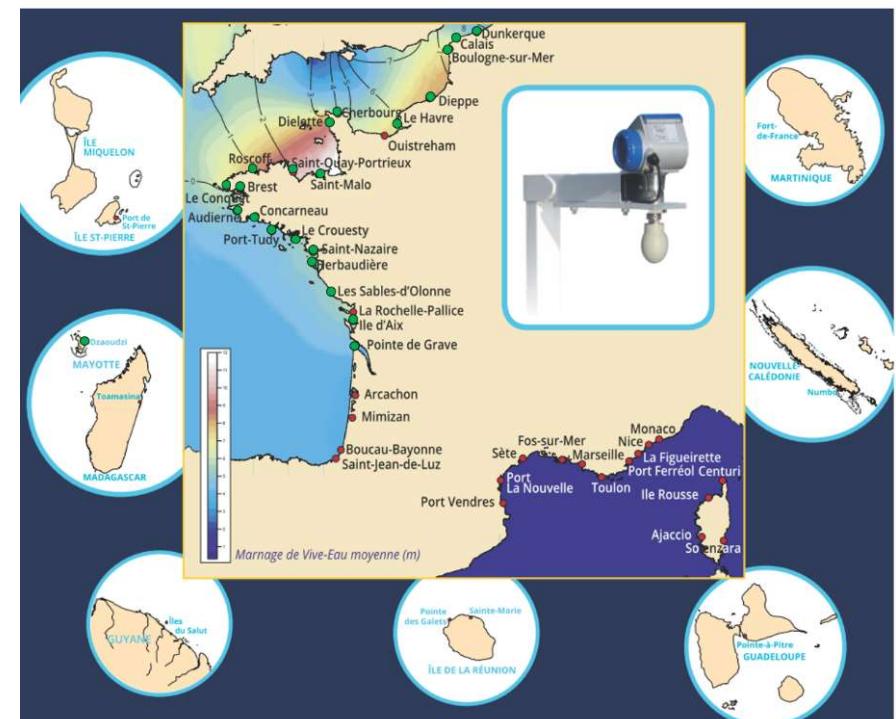


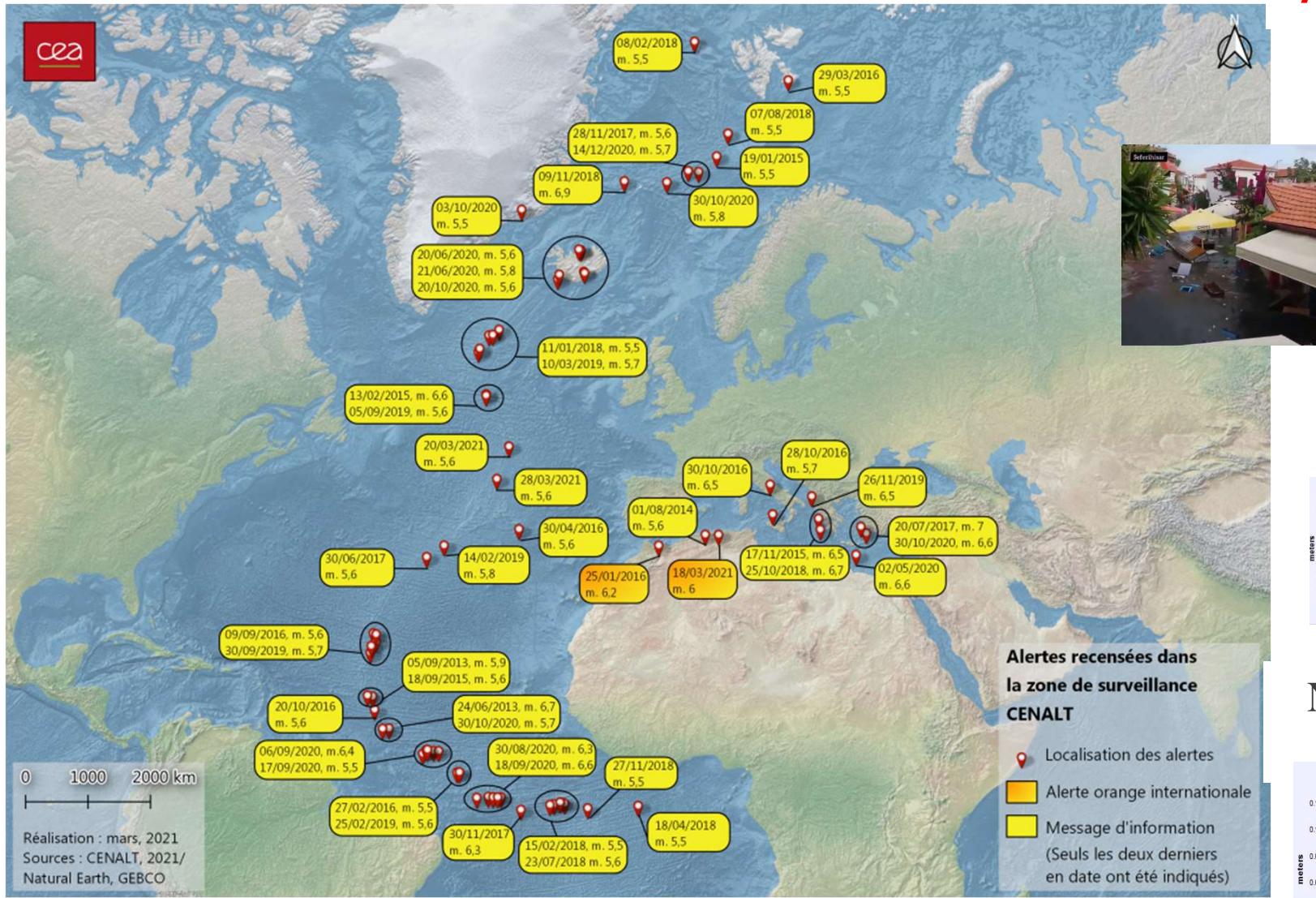
● done

- Will be done by february 2022 in metropolitan France or by 2023

(see also WG2/3)

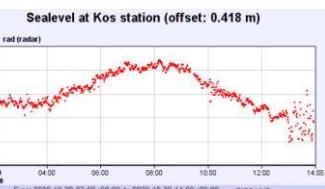
- Replacement of data-loggers and transmission systems
- New sensors (video + meteo)
- Better assessment of real time recording and transmission issues
- Improvement of Network Reliability



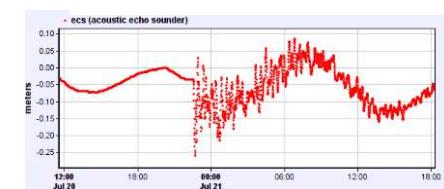


7 tsunamis

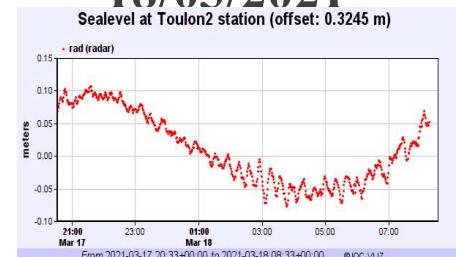
Izmir-Samos
30/10/2020



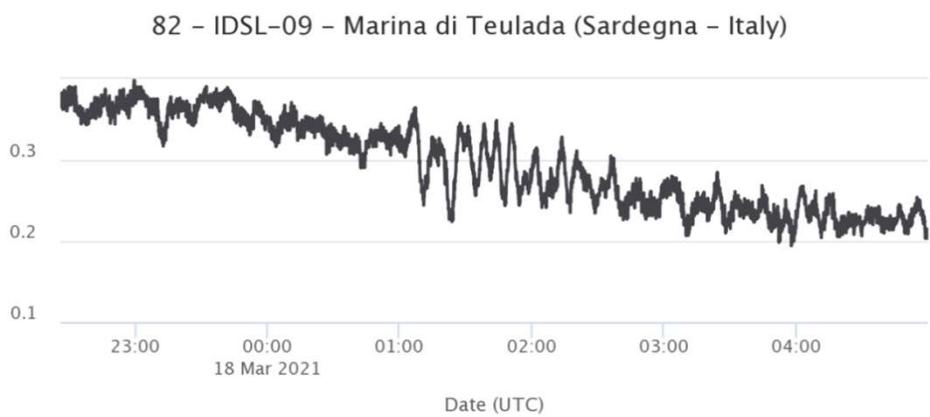
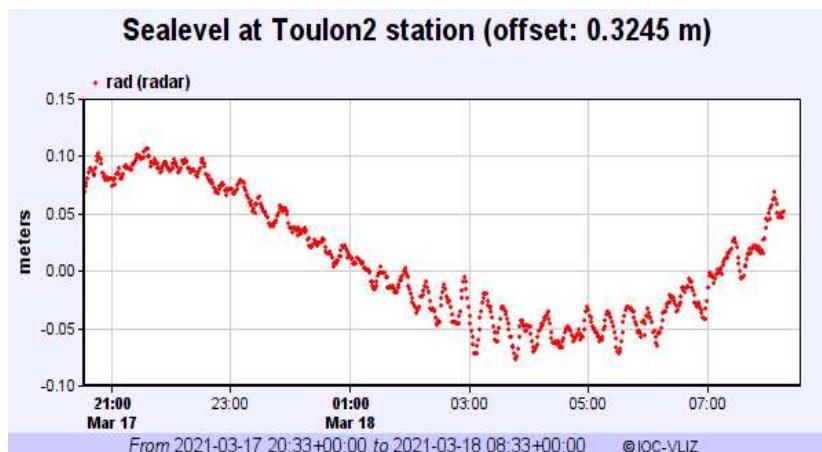
Bodrum-Kos
20/07/2017



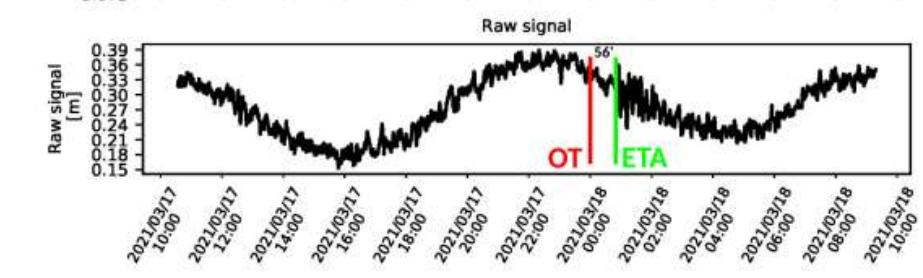
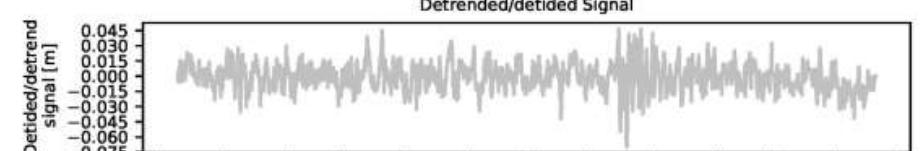
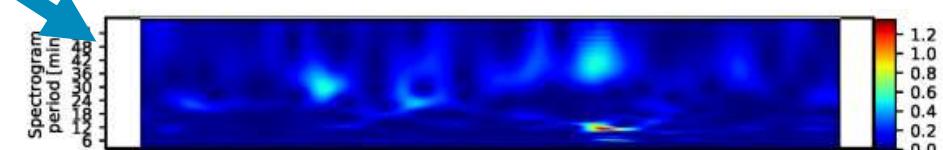
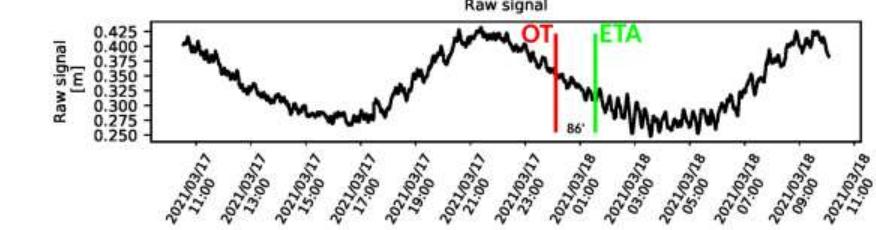
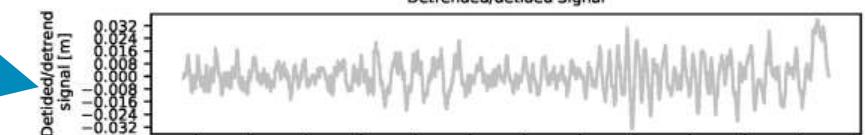
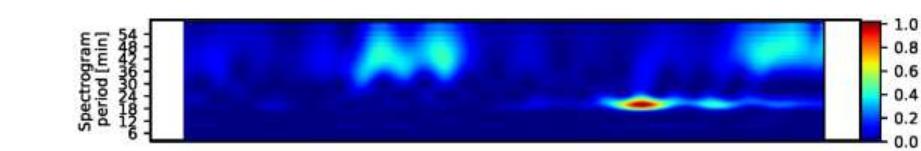
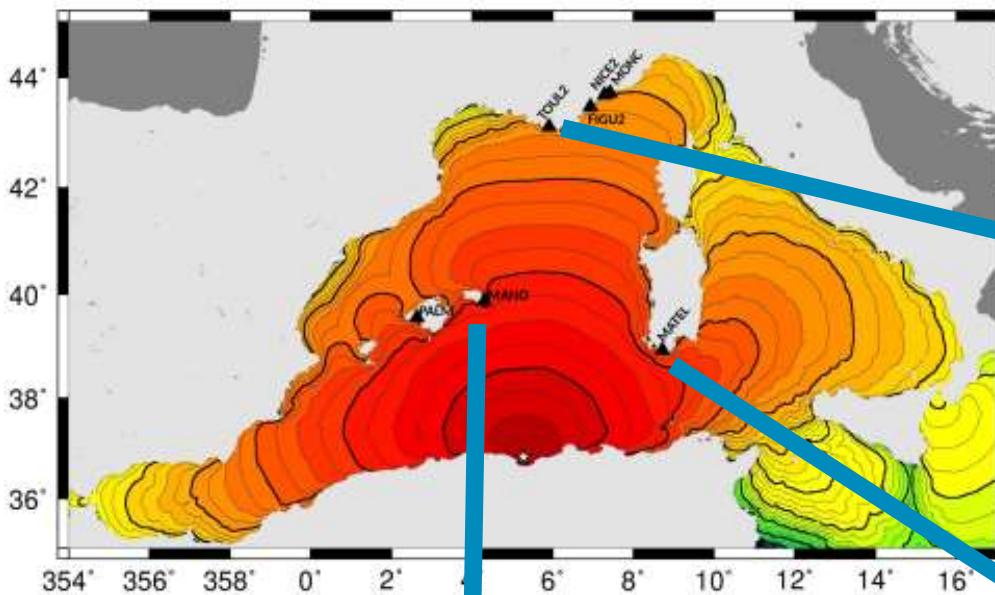
North Algeria
18/03/2021



- ▶ 00h04 Original time: information message
- ▶ T0 + 3 min → automatic detection M 6,1
- ▶ T0 + 6 min → manual validation M 5,8
- ▶ T0 + 9 min → information issued M 5,8
- ▶ T0 + 41 min → complementary information M 6,0
 - Information: France,
 - Advisory: Algeria, Spain, Italy, Tunisia
- ▶ T0 + 1h4 min → wave detection in Sicily (< 20 cm)
- ▶ T0 + 2h50 min → wave detection in France



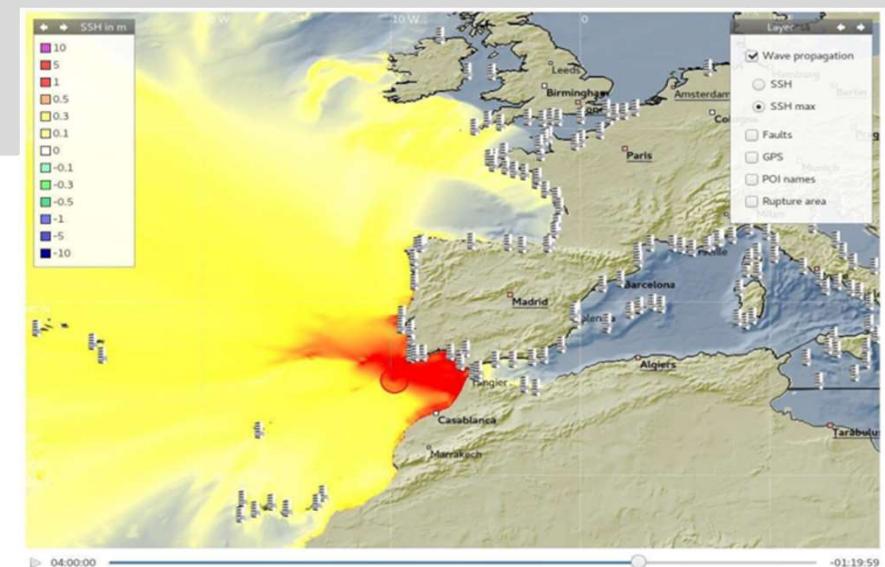
SEA LEVEL OBSERVATIONS



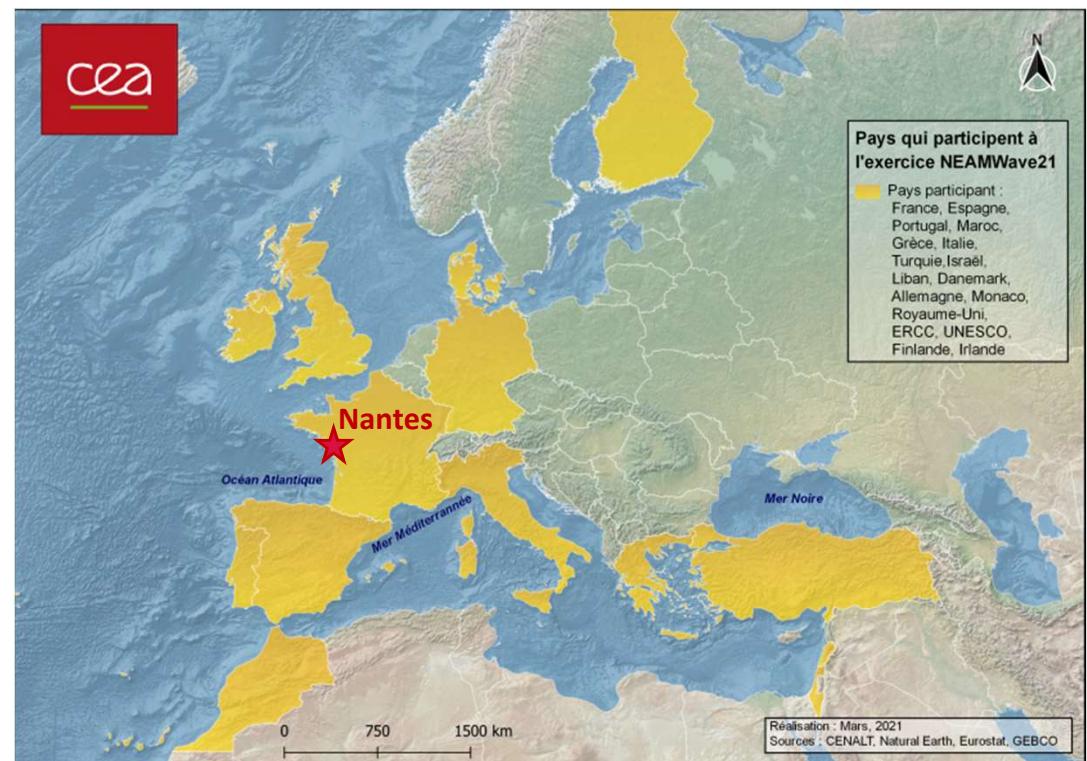
► Routine monthly exercises

► NEAMWave21

- 1755-like scenario run with Portugal (IPMA)
- Messages issued to 14 countries + IOC + ERCC
- National level
 - Exercise with Nantes Préfecture



Maximum tsunami height

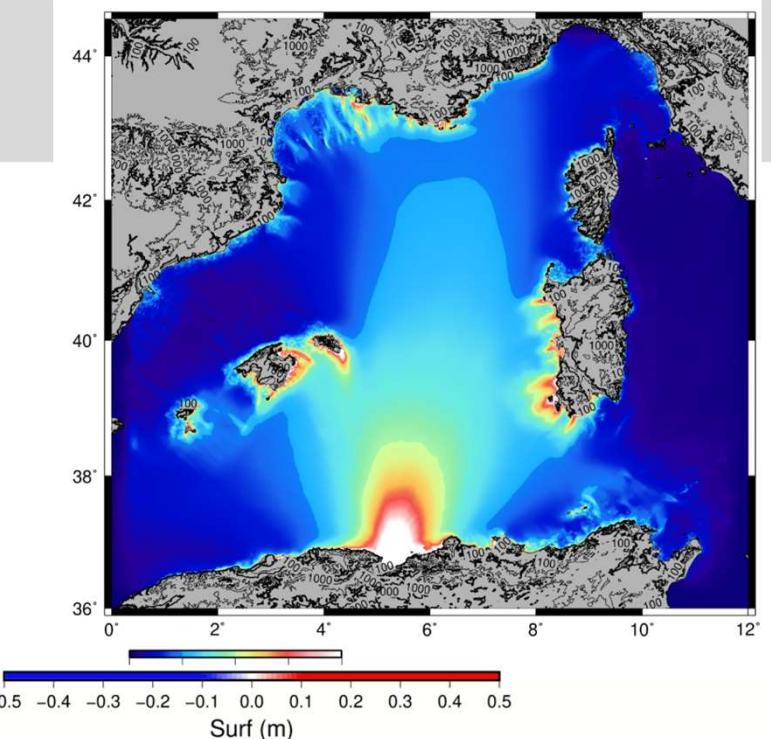


14 participating countries

World Tsunami Awareness Day (WTAD)

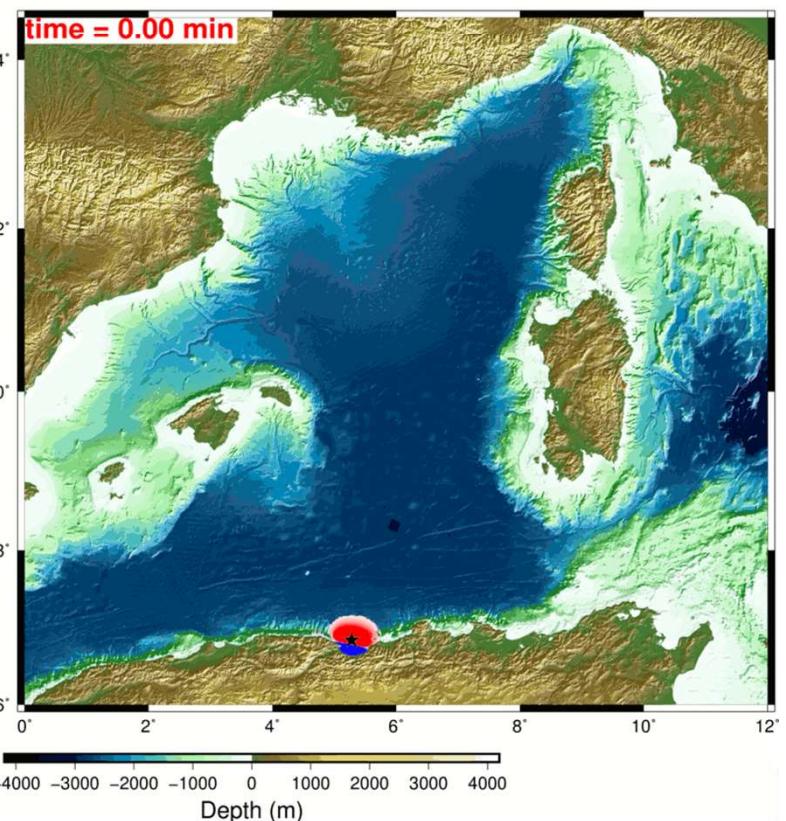
► Scenario: magnitude 7 North Algeria

- Thrust mechanism
- French coastline reached after ~1h



► 4 November

- Préfecture Marseille
- Magnitude: 6.9 then 7.2 in 2nd message
- Local authorities and industrial stakeholders
- Cenalt representative in crisis center
- Significant media coverage



► 5 November

- National exercise
- Cannes (hosting ICG XVI in 2019)
 - Cenalt representative in crisis center
 - Media coverage



4th of November
(Bouches-du-Rhône)

Préfecture
Firemen
Towns (Cassis, Fos-sur-Mer, Antigues, Aix-Marseille,...)
Industrials

Focus on

- The understanding of the messages
- The different actions to undertake (evacuation, request to the media to transmit the alert, security of big factories,...)
- The end of message from Cenalt vs end of danger

On the 5th of November, exercise with all the French Mediterranean coast (163 towns)

The WTAD exercises (4 – 5 November 2021)



► Nominal operating NTWS in Cenalt, in the Covid situation

► Interaction and working group with French CPA to implement CAP messages dissemination to local authorities

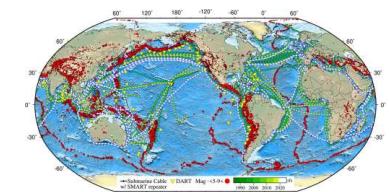


► Participation to the Neamwave21 and WTAD exercises

► Other:

- Participation to the establishment of the TCS Tsunami in EPOS infrastructure
- Starting discussion to promote SMART cables for tsunami warning in NEAM

WORLD
TSUNAMI
AWARENESS
5 NOVEMBER DAY



A special thank from Cenalt to François Schindelé for his strong commitment in the French NTWC since 2012 (not to mention his other numerous commitments)



THANK YOU FOR ATTENTION