



MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

High impact Science and Technology for the development of a healthy and sustainable society.

AZTI develops projects and different levels (regional to international) with organizations in line with the SDO 2030 of the United Nations



SUSTAINABLE DEVELOPEMENT OBJECTIVES

1 CLIMATE CHANGE



4 OPERATIONAL OCEANOGRAPHY SERVICES



2 MARINE ECOSYSTEMS FUNCTIONING



5 ENVIRONMENTAL MANAGEMENT OF COASTS AND SEAS



3 SUSTAINABLE FISHERIES MANAGEMENT



SITES

Three sites: Sukarrieta (Bizkaia), Parque Tecnológico de Bizkaia (Derio) y Pasaia (Gipuzkoa).

BRTA

Basque Research and Technology Alliance (BRTA)



Operational Oceanography team

Operational Oceanography team



euskoos

Euskadiko Ozeanografia Operazional Sistema
 Sistema de Oceanografía Operacional de Euskadi
 Basque Operational Oceanography System
 Système d'Océanographie Opérationnelle d'Euskadi

Euskara | Español | English | Français

euskalmet
 agencia vasca de meteorología

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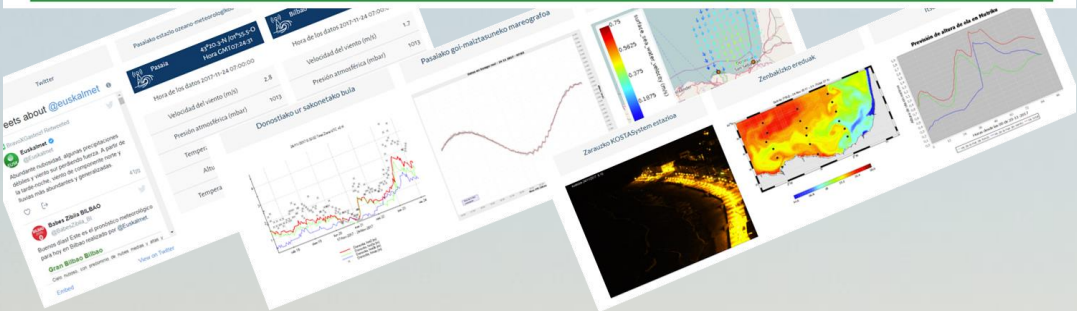
hasiera zer da? + datuak + info kontaktua

EUSKO JAURLARITZA GOBIERNO VASCO

SEGURTASUN SAILA DEPARTAMENTO DE SEGURIDAD



Euskalmet
 AGENCIA VASCA DE METEOROLOGÍA



DATA



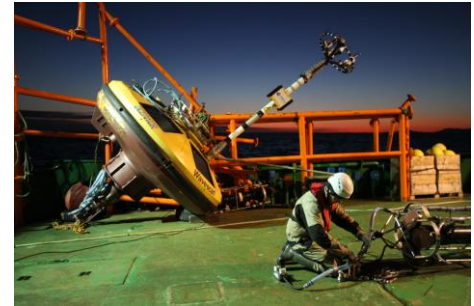
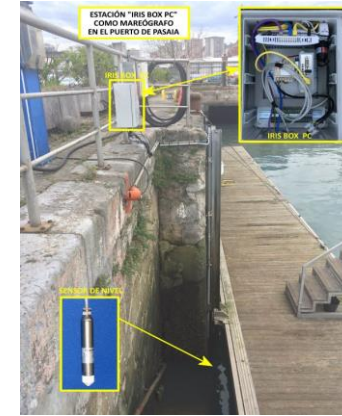
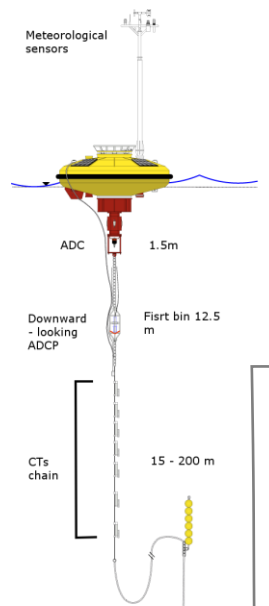
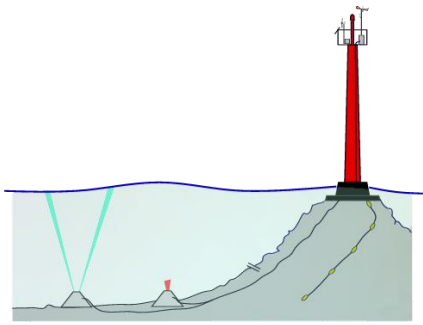
KNOWLEDGE



ACTION

Network for coastal observation EuskOOS

Coastal Observation network development



COASTAL STATIONS

HF RADARS

HIGH FREQUENCY TIDAL GAUGES



OFFSHORE BUOYS

VIDEOMETRY

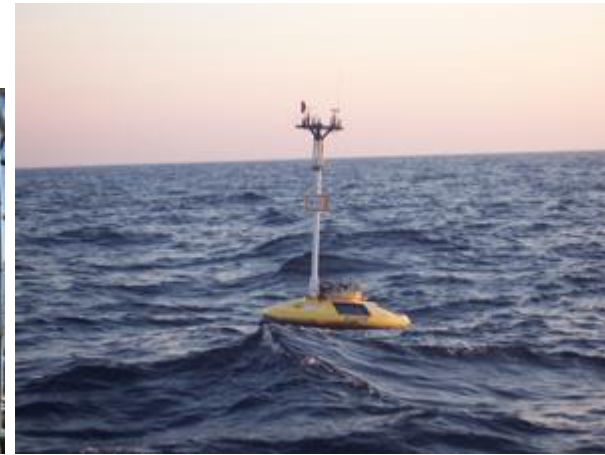
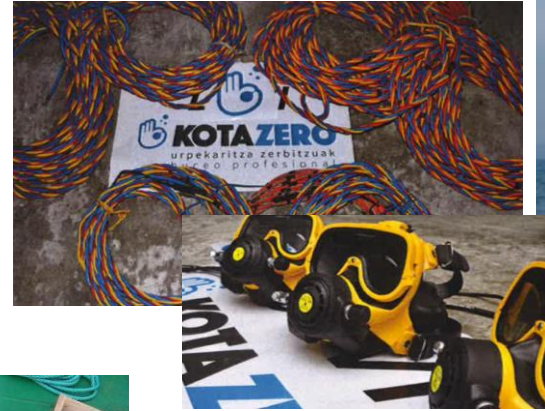
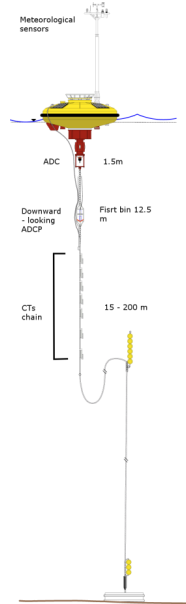
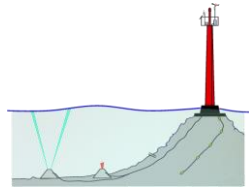
GLIDER (AUV)

ASV (Autonomous Vehicle)

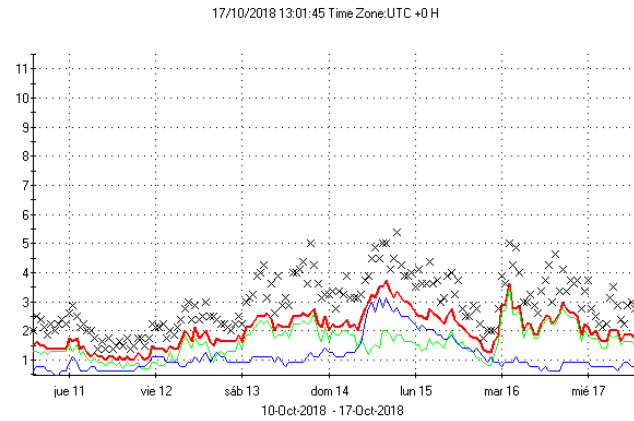
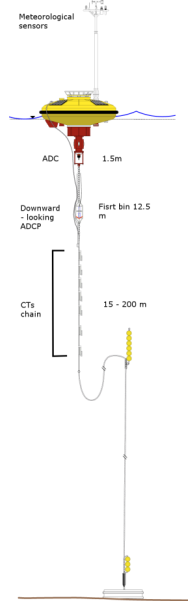
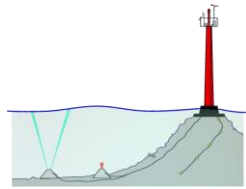


ZTI 202

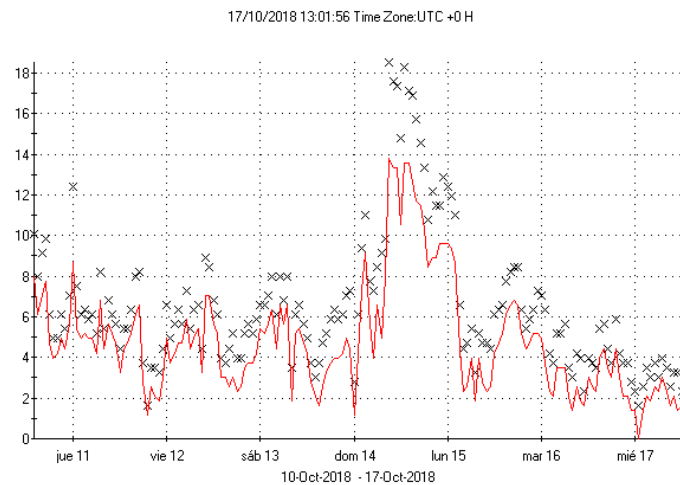
Coastal Stations and offshore buoys



Coastal Stations and offshore buoys



— Donostia, hm0 (m)
 — Donostia, hm0a (m)
 — Donostia, hm0b (m)
 × Donostia, hmax (m)



× Donostia, WindGust (m/s)
 — Donostia, WindSpeed (m/s)

Pasaia's Metrocean station

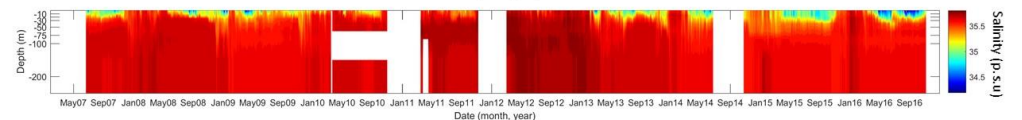
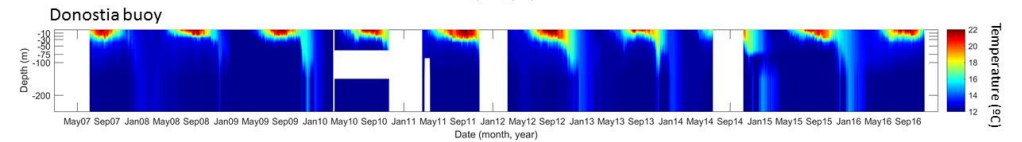
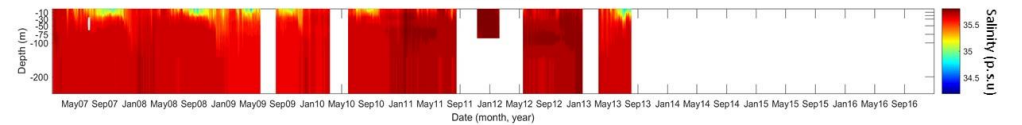
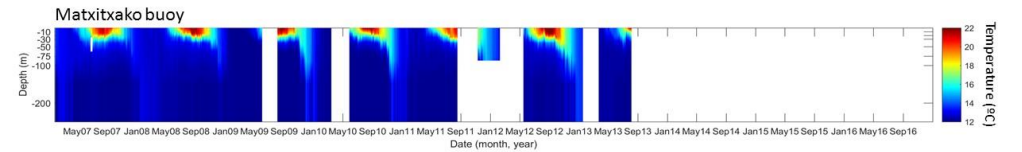
Descargatelo gratis en tu móvil
 Toda la información allí donde estés. EN

iOS Android

Insert the code on your web page

Wind speed (m/s)	4.30
Atmospheric pressure (mbar)	1013
Air temperature (°C)	16.5
Wave height (m)	1.1
Water temperature (°C)	—

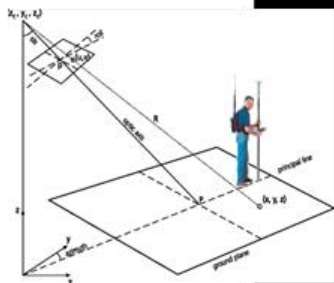
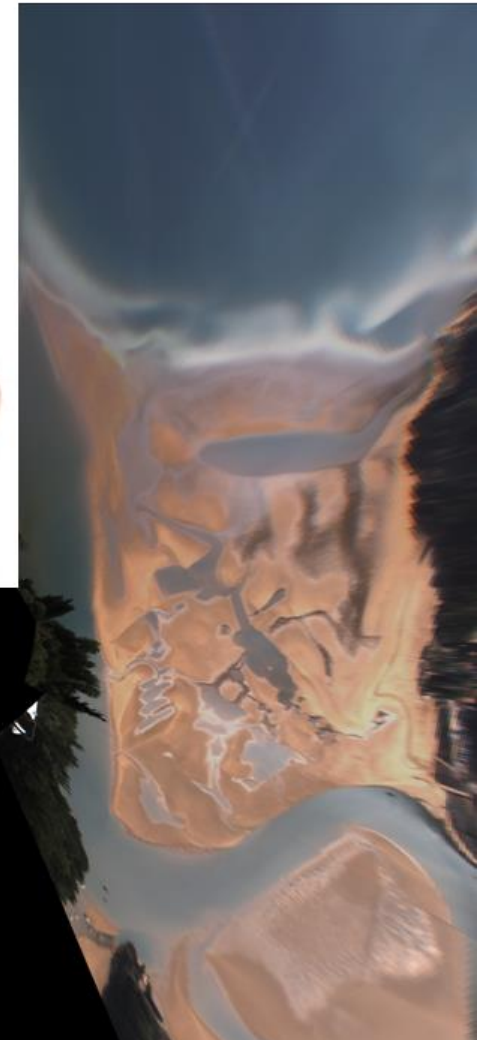
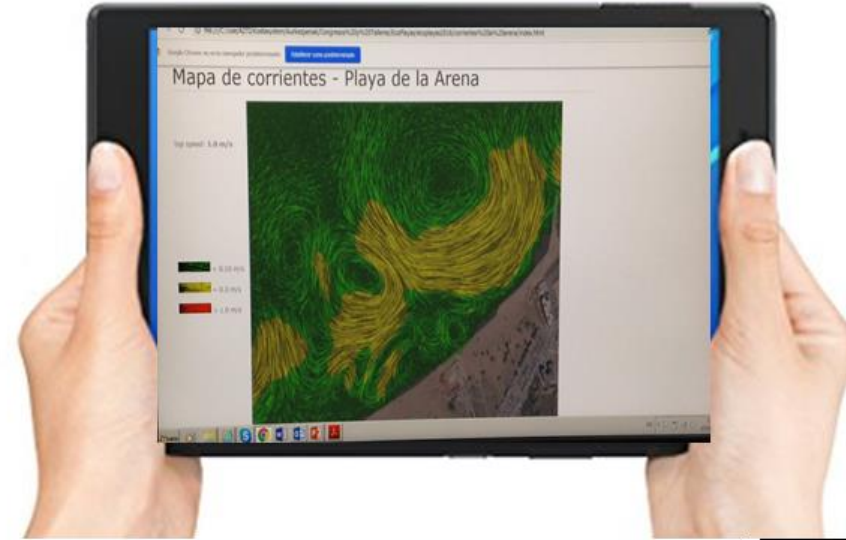
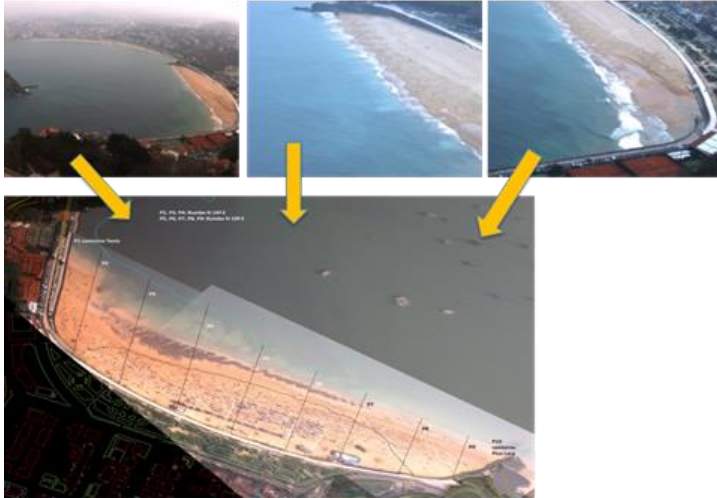
Wind: 37 NE
 Mean wind: 8 knot



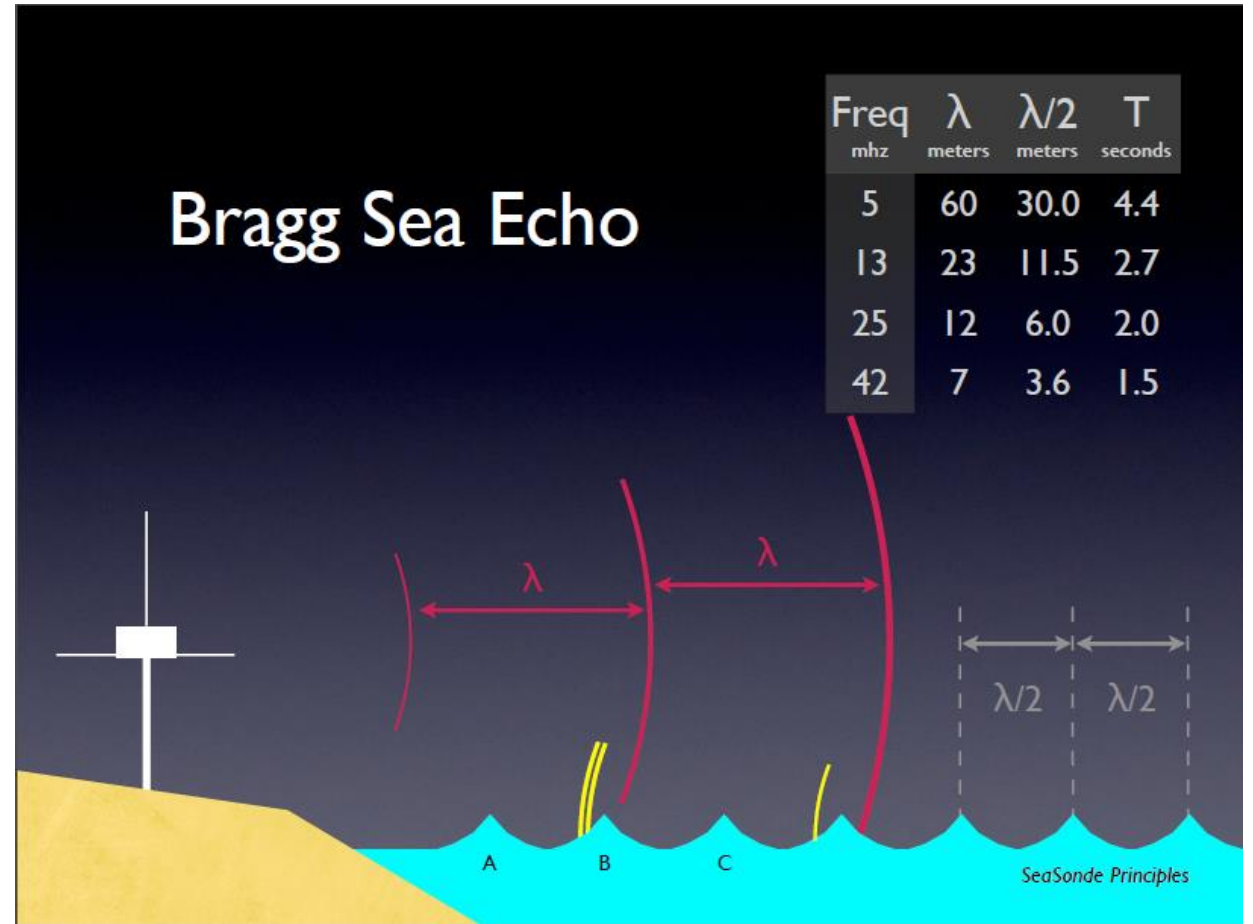
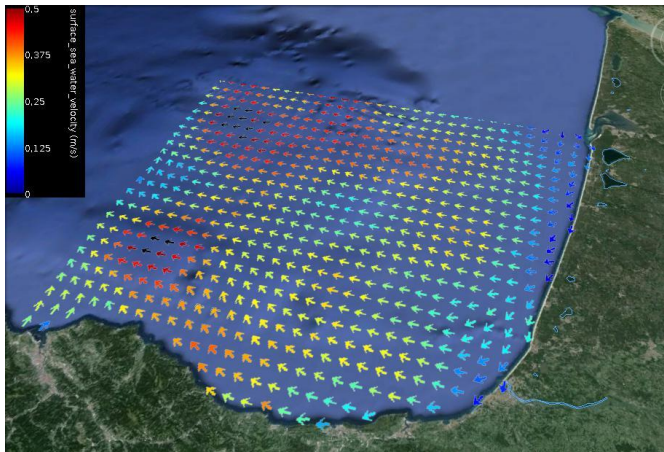
Coastal videometry



Coastal videometry



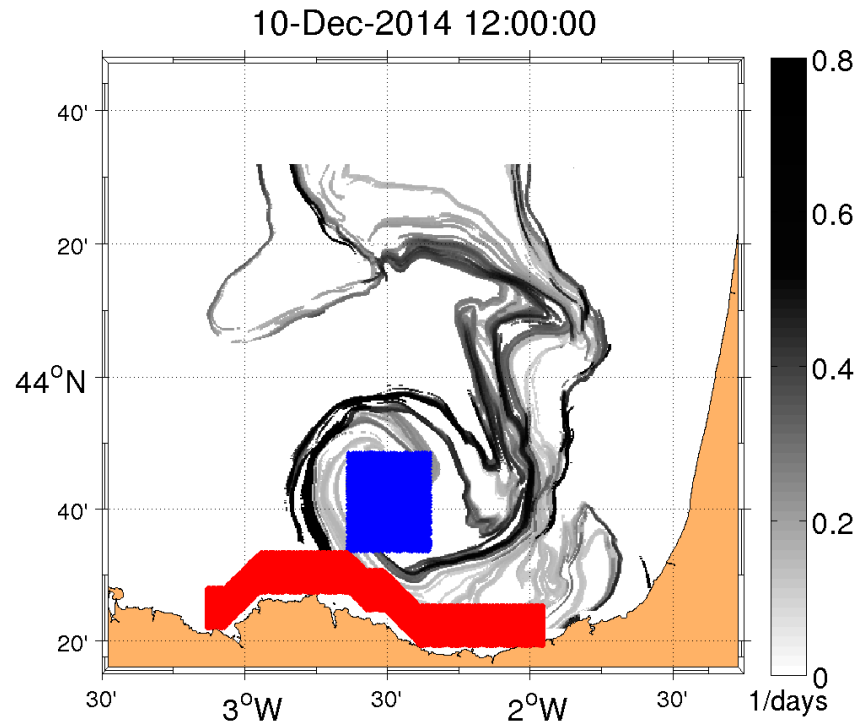
Coastal HF radar



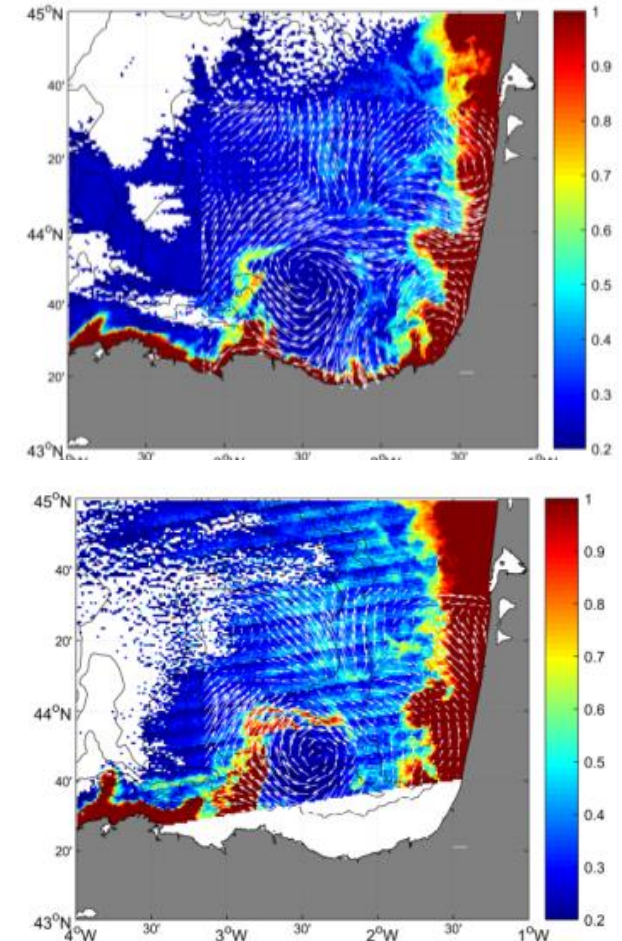
Source: CODAR OCEAN SENSORS

Coastal HF radar

Compared to satellite
 MODIS Chl-a 21-22 Dec



Water and particles (pollutants) from coast
 Water and particles (pollutants) at open sea



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- inicio
- ¿qué es?
- + datos
- + info
- contacto
- + Español

Fluorómetros autónomos

Esta semana hemos realizado las primeras pruebas con nuestros nuevos fluorómetros autónomos, equipados con un sistema mecánico antifouling. Se van a instalar para el monitoreo continuo de la fluorescencia en la plataforma experimental de acuicultura de Mendexa. ¡Pronto tendréis más noticias sobre cómo funcionan y sobre los primeros datos obtenidos!

Euskalmet 17 mayo, lunes 10:12:42 UTC

Buscar en Euskalmet

LA MAR
Predicción marítima

AHORRA
La Mar

Temp. del agua 14°
Estado de la marea Bajando
Altura significativa de ola 0,8 m
Período de ola 7 s
Viento Velocidad del Viento km/h

Últimos datos observados (10-4)

HOY Lunes 17
MAÑANA Martes 18
PASADO Miércoles 19

Viento del oeste con fuerza 3, fijándose del oeste-noroeste con fuerza 3 a 4 durante la mañana. Originará marejadilla a marejada. La mar de fondo del noroeste levantará olas en torno a 2-2,5 m.

Temp. del agua 14°
Pleamar 08:47 / 3,58 m
Sol Salida: 06:44 Puesta: 20:31
Visibilidad Superior a 10 km
Bajamar 14:47 / 1,78 m
Luna: Creciente Salida: 05:59 Puesta: 01:59

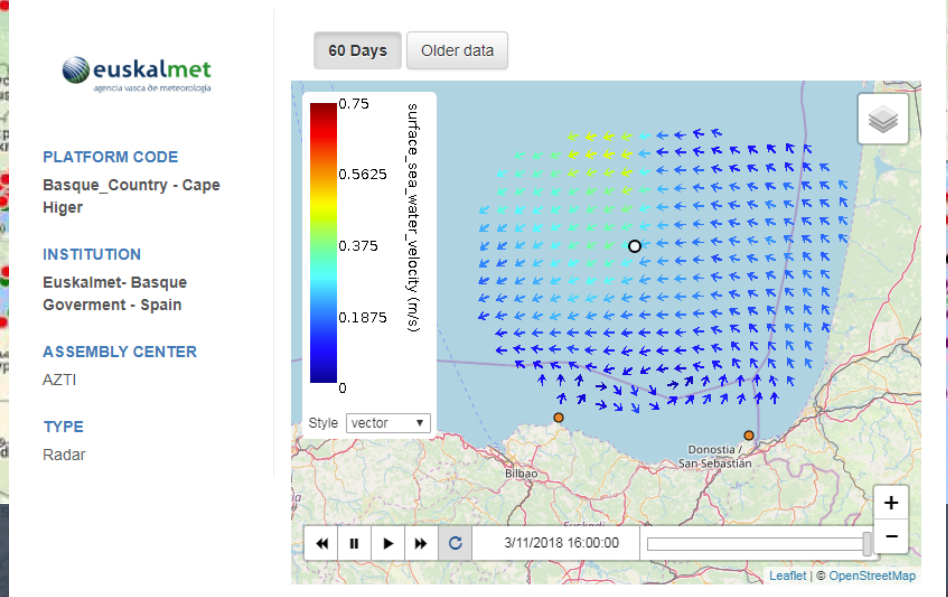
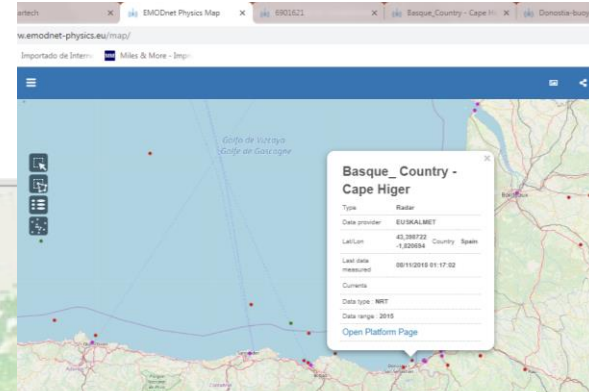
Predicción marítima de Euskalmet



Oleaje en mar abierto

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Contributing to the global strategy
of open data in real time



Topics - Main components of ebeigi

Operational Oceanography

Networks

Coastal videometry - AZTI, Coas

Platform Type

Coastal Videometry, Metocean fi:

Platform Name

Algorri, Antilla, Arriatera, Arrigunz:

Variable Group Name

Human activities (including acu):

Variable Name

Air humidity, Air pressure, Air Ter:

Depths / Compartment

Water - Surface, Water - Bottom, :

Dates of data availability

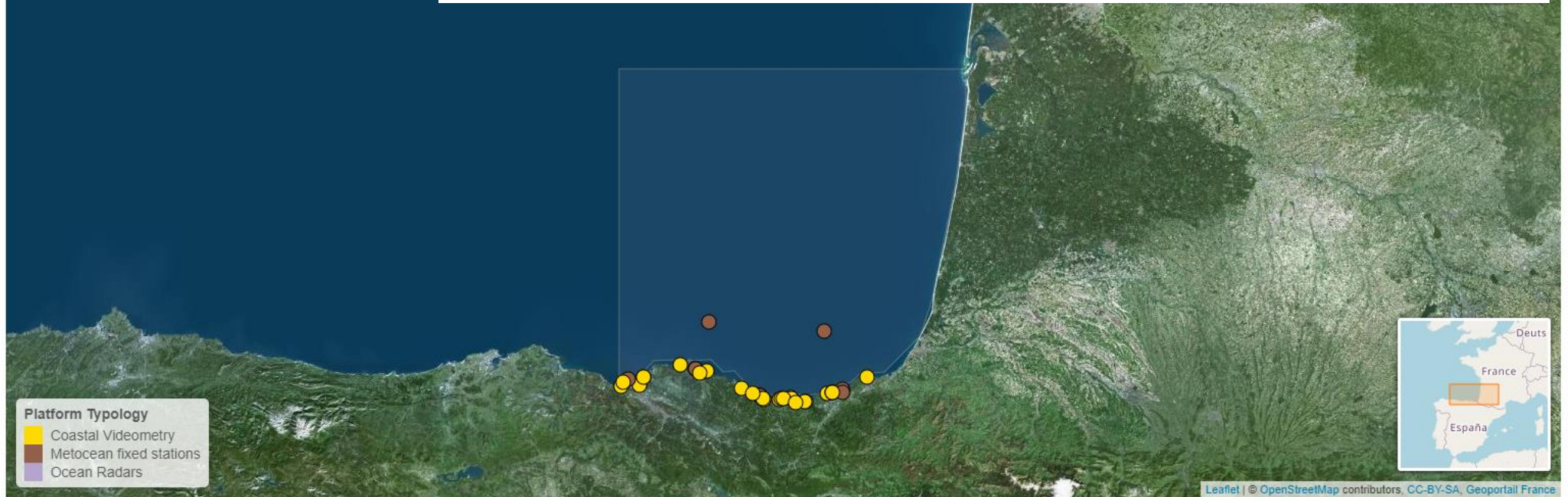
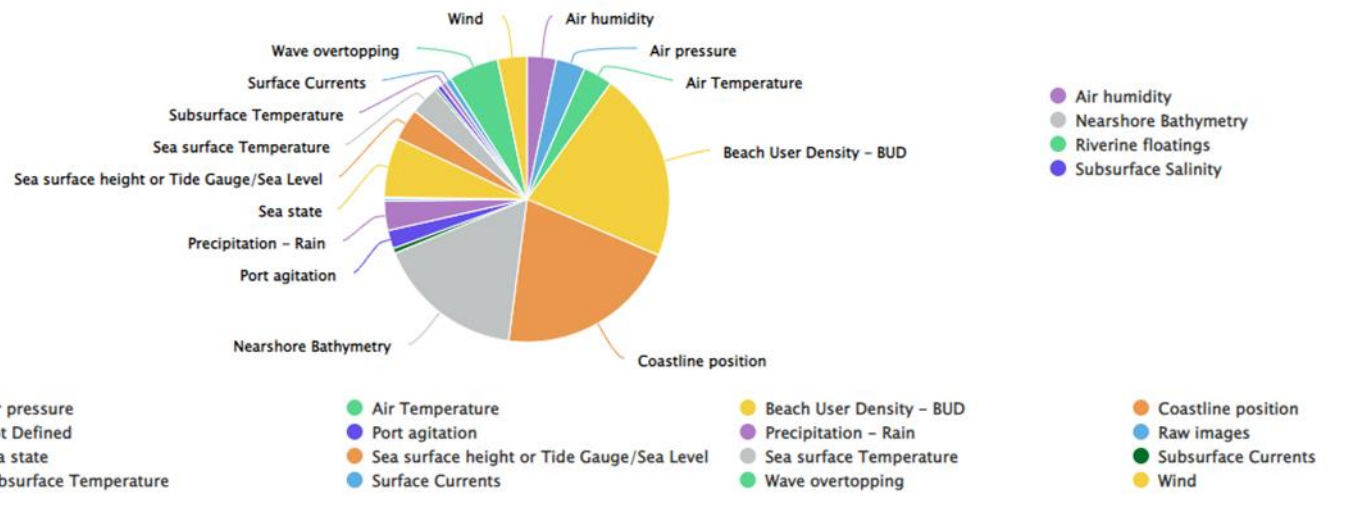
2000-12-12 to 2022-07-29

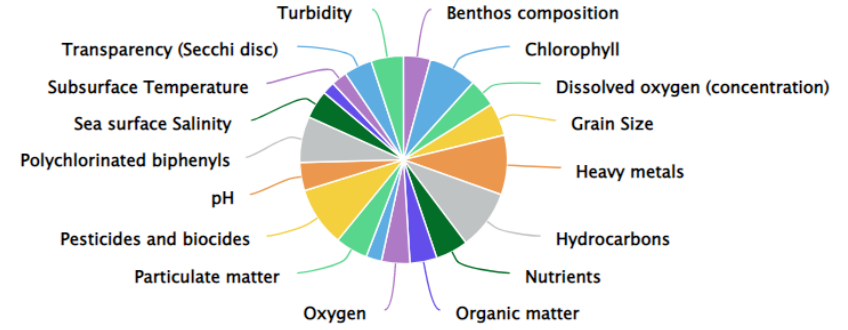
Clean Selection

Observatory KPIs Metadata Download Contributors

Platform Typology

- Coastal Videometry
- Metocean fixed stations
- Ocean Radars





Topics - Main components of ebeigi

Marine Ecological Quality Monito

Networks
 Not Defined, VARIACIONES

Platform Type
 Sampling in stations

Platform Name
 Abra exterior estuarine station, A

Variable Group Name
 BioGeochemistry, Biology & Eco

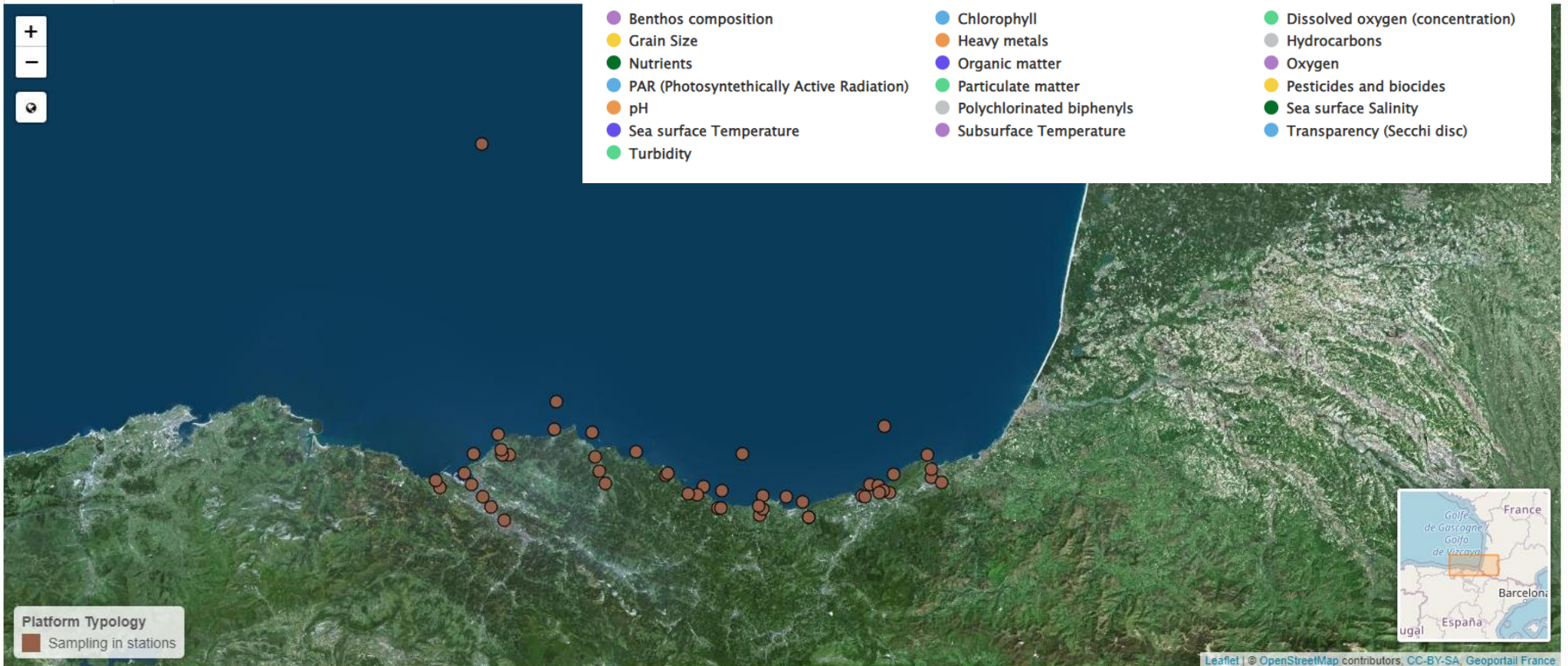
Variable Name
 Benthos composition, Chlorophyll

Depths / Compartment
 Water - Surface, Sediment, Wate

Dates of data availability
 1987-05-01 to 2022-07-29

Clean Selection

Observatory KPIs Metadata Download Contributors / Related Projects



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