

ESTOC

The European Station for Time-series
in the Ocean, Canary Islands

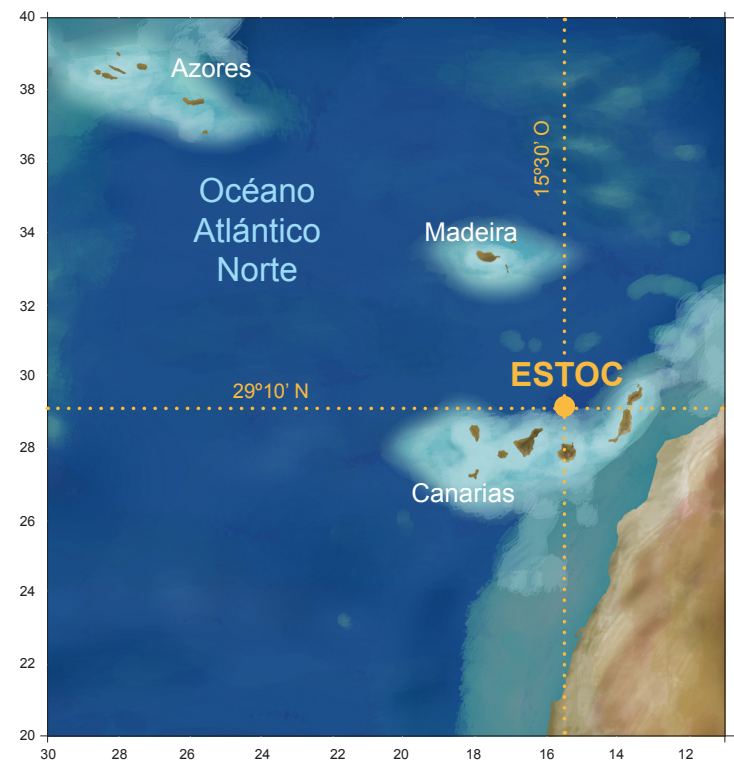
Since 1994

What is?



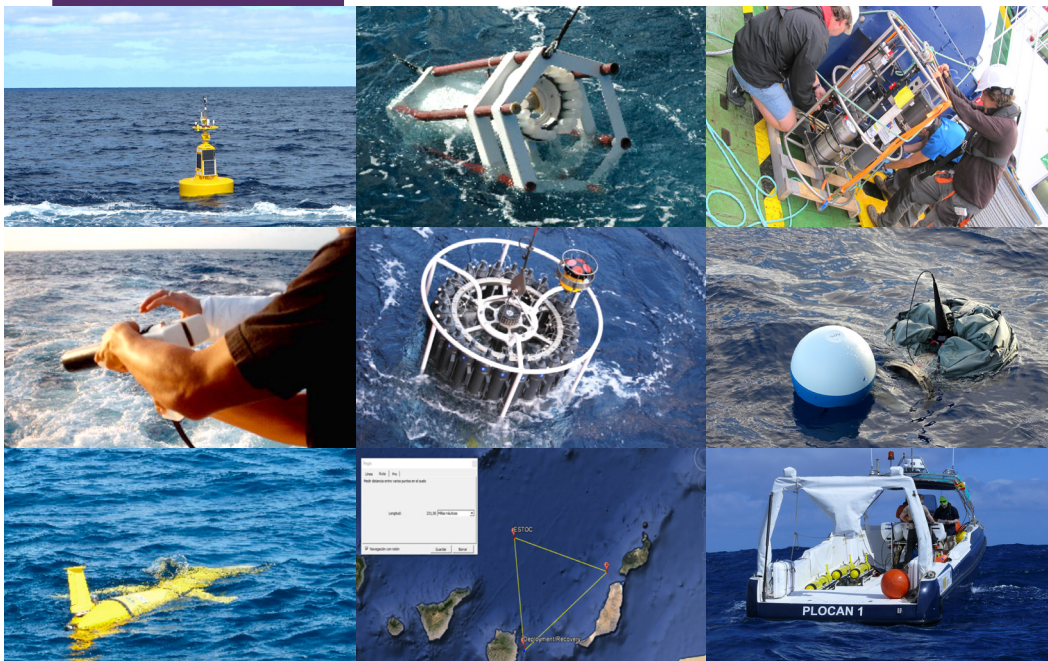
ESTOC is an open ocean observatory, it is integrated in the European observational networks in the ocean "FixO3 and EMSO"

Where is?



ESTOC is located northward of Canary Islands at the eastern boundary of the North Atlantic Sub-tropical Gyre (3610m. Depth)

How works?



Mooring
platform

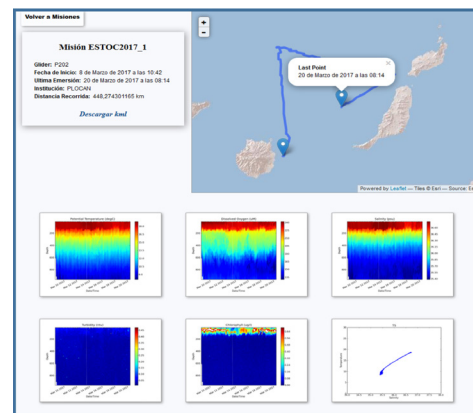
Ship-based
program

Glider
missions

Acquired Data

	MOORING PLATFORM		SHIP-BASED PROGRAM		GLIDER MISSIONS
	Atmosphere	Ocean	Water Col. Sampling	Drifter/XBT	Water Col. Sampling
Parameters	TEMPERATURE PRESSURE REL. HUMIDITY PAR WIND SPEED WIND DIRECTION	TEMPERATURE SALINITY CURRENTS DISSOL.OXY- GEN pH pCO ₂ CHLOROPHYLL DIN PON POC PARTICLE FLUX SOUND	TEMPERATURE SALINITY DISSOL.OXYGEN pH ALCALINITY CHLOROPHYLL DIC DIN DIP DIS PIGMENTS	TEMPERATURE CURRENTS	TEMPERATURE SALINITY CURRENTS DISSOL.OXYGEN CHLOROPHYLL
Resolution	REAL TIME; Hourly DELAYED MODE; 900s.	REAL TIME; Hourly DELAYED MODE; 900s. pH, pCO ₂ and DIN: 3 times per day PON, POC and PF: 1 time per week.	1994 – 2003: Monthly 2003- Present: 2 – 4 times per year	1994 – 2003: Monthly 2003- today: 2 – 4 times per year	: 2 – 4 times per year 21 days per mission
Time Range	2003- Present	1994- 2002 hydrography 2002- Present: Multidisciplinary	1994- present (Carbon parameters from 1996 and pigments from 2008)	1997- present	2012- present

Data Dissemination



Catalog http://data.plocan.eu/thredds/catalog/aggregate/public/ESTOCInSitu/FixO3/surfacebuoy/Delayed-mode-data/catalog.html		
Dataset	Size	Last Modified
Delayed-mode-data		
producta/		
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03_ESTOC-PLOCAN_2016_SEP-DEC_D_microcatsurface3.nc	140.6 Kbytes	2016-12-22T15:27:43Z
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03_ESTOC-PLOCAN_2016_OCT-NOV_D_FLHTU_surface.nc	2.197 Kbytes	2016-12-21T13:13:11Z
03_ESTOC-PLOCAN_2016_OCT-NOV_D_FLHTU_140m.nc	159.1 Kbytes	2016-12-21T13:39:44Z
03_ESTOC-PLOCAN_2016_OCT-DEC_D_currentwater150m.nc	230.6 Kbytes	2017-01-10T15:57:35Z
03_ESTOC-PLOCAN_2016_OCT-DEC_D_buoy-ph.nc	14.13 Kbytes	2017-01-20T15:13:24Z
03_ESTOC-PLOCAN_2016_OCT-DEC_D_buoy-ocean.nc	250.4 Kbytes	2017-01-19T15:35:42Z
03_ESTOC-PLOCAN_2016_OCT-DEC_D_buoy-meteo.nc	294.6 Kbytes	2017-01-18T16:02:01Z
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03_ESTOC-PLOCAN_2016_OCT-DEC_D_microcatsurface1.nc	453.4 Kbytes	2016-02-04T08:54:09Z