

Coastal Sea Water Situation

In May 2017 a monitoring cruise was carried out to implement European Directive "Marine Strategy", established by agreement between Ministry of the Environment and Protection of Land and Sea (MATTM) and coastal Regions. The survey area is located between coastal zone (monitored in accordance with Directive 2000/60/EC) and the line of 12 nautical miles (Nm).

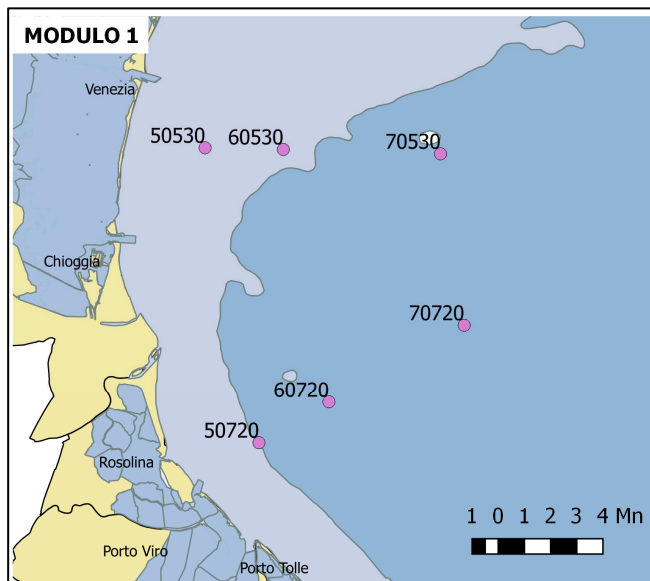
The monitoring cruise was performed on May 16 along two transects (053 – Venezia and 072 - Rosolina). The table below shows average surface data of the main parameters measured by multiparameter probe.

Cod. Station	Temperature °C	Salinity PSU	OD %	OD mg/l	Ph	Chl"a" µg/l	Turbidity FTU
50530	18.98	33.09	96.46	7.36	8.09	0.69	0.75
60530	19.28	33.81	96.83	7.31	8.17	0.61	0.51
70530	19.54	34.23	99.83	7.47	8.28	0.51	0.29
50720	19.28	33.81	96.83	7.31	8.17	0.61	0.51
60720	19.85	34.09	82.77	6.17	8.27	0.67	0.90
70720	19.52	33.55	94.17	7.11	8.24	0.52	6.13

The physical-chemical parameters in water are affected by weather and climatic conditions of the period; in particular, in all stations, dissolved oxygen values are below saturation levels.

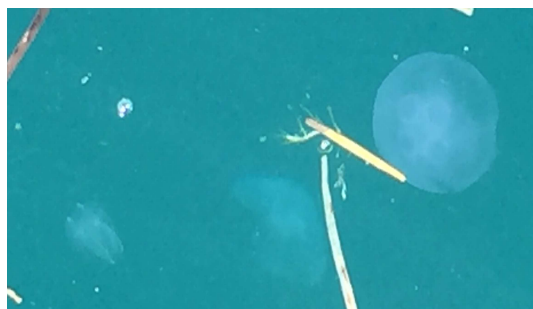
See the agency's website for further information on the tools used during the monitoring process:

www.arpa.veneto.it/temi-ambientali/acqua/acque-marino-costiere



Curiosity

The Marine Strategy Directive 2008/56/EC considers the marine environment like a precious heritage that must be protected, preserved and, where possible, restored with the ultimate aim of maintaining biodiversity and preserving vitality of seas and oceans. The Operational Activity Plan identifies a series of surveys to assess the hydro-geomorphological pressures and characteristics of Italian marine areas. In particular, one of the activity involves acquisition of chemical-physical parameters, qualitative analysis of planktonic communities, analysis of water contaminants and gelatinous macrozooplankton observation, in 3 stations at 3, 6 and 12 Nm along 2 orthogonal transects to the coast line; that activity expand the Directive 2000/60/EC investigation area. About gelatinous macrozooplankton, during May sampling, some species of jellyfish *Rhizostoma pulmo*, *Aurelia aurita*, *Pelagia noctiluca* and of the ctenophore *Mnemiopsis leidy* was observed at 2 Nm from the coast in front of Albarella (50720).






ARPAV source image: to the left a species of *Mnemiopsis leidy*, to the right species of *Aurelia aurita*.

Coastal Bathing Water Situation

For the year 2017, in the regional monitoring network for the quality of coastal bathing water, there are 95 control points in the Adriatic Sea and 1 on the stretch of water near Albarella.




Each month from May to September, the following activities are carried out at every checkpoint: measurement of environmental parameters, visual inspections and water sampling for bacteriological analysis. Inspections are carried out by ARPAV's technicians, with the support of the nautical units of the Veneto Region Coast Guard and Harbour Offices. The situation at **May 23** is shown in the adjacent table.

KEY	
	Suitable area
	Temporarily unsuitable area
	Permanently unsuitable area

Algae Surveillance: no potentially toxic algal blooms were detected.

For further information, please visit the website at:

<http://www.arpa.veneto.it/temi-ambientali/acqua/datiacqua/balneazione.php>

Situation 2017, may 23			
			
Mare Adriatico	95	-	-
S. Michele al Tagliamento (Ve)	6	-	-
Caorle (Ve)	15	-	-
Eraclea (Ve)	2	-	-
Jesolo (Ve)	12	-	-
Cavallino Treporti (Ve)	12	-	-
Venezia	18	-	-
Chioggia (Ve)	11	-	-
Rosolina (Ro)	9	-	-
Porto Viro (Ro)	2	-	-
Porto Tolle (Ro)	8	-	-
Specchio Nautico di Albarella	1	-	-
Rosolina (Ro)	1	-	-