

## Marine-coastal waters monitoring campaign

Monitoring campaign along Veneto coast was carried out september 11th, 12th and 13th, in collaboration with Venice Coastal Guard.

### Considerations on the parameters detected

The table below shows the surface data, averaged by water body, of the main parameters measured by multi-parameter probe.

The Water surface temperature was homogeneous along the Veneto coast with values slightly lower on the north of the Venice lagoon.

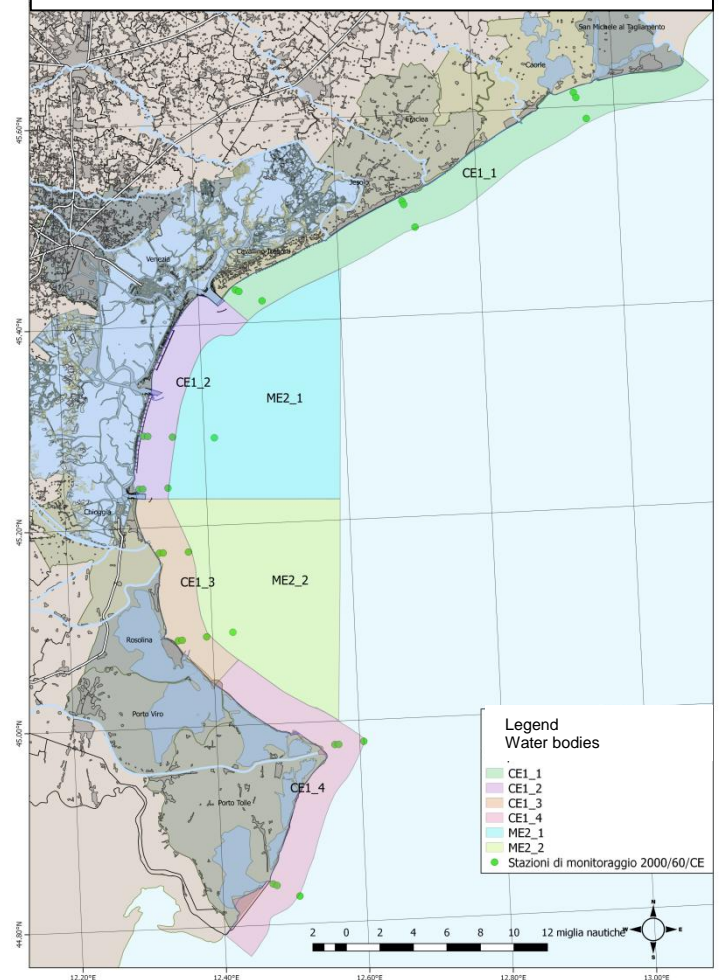
Dissolved oxygen values are higher than saturation across the coast; higher value was detected in the south of the coast of Chioggia due to a phytoplankton proliferation assisted by nutrient inputs from the rivers Adige and Po, as evidenced by the low salinity values.

The transparency values, detected by Secchi disk, are on average less than 2 meters in the Po Delta area and higher in the Cavallino, Jesolo, Caorle and Pellestrina coasts.

The observations made with underwater camera have highlighted the presence of micro-flocs and flocs of mucilaginous material along the water column, especially beyond one nautical mile from the coast and in the area to the south of the Venice lagoon.

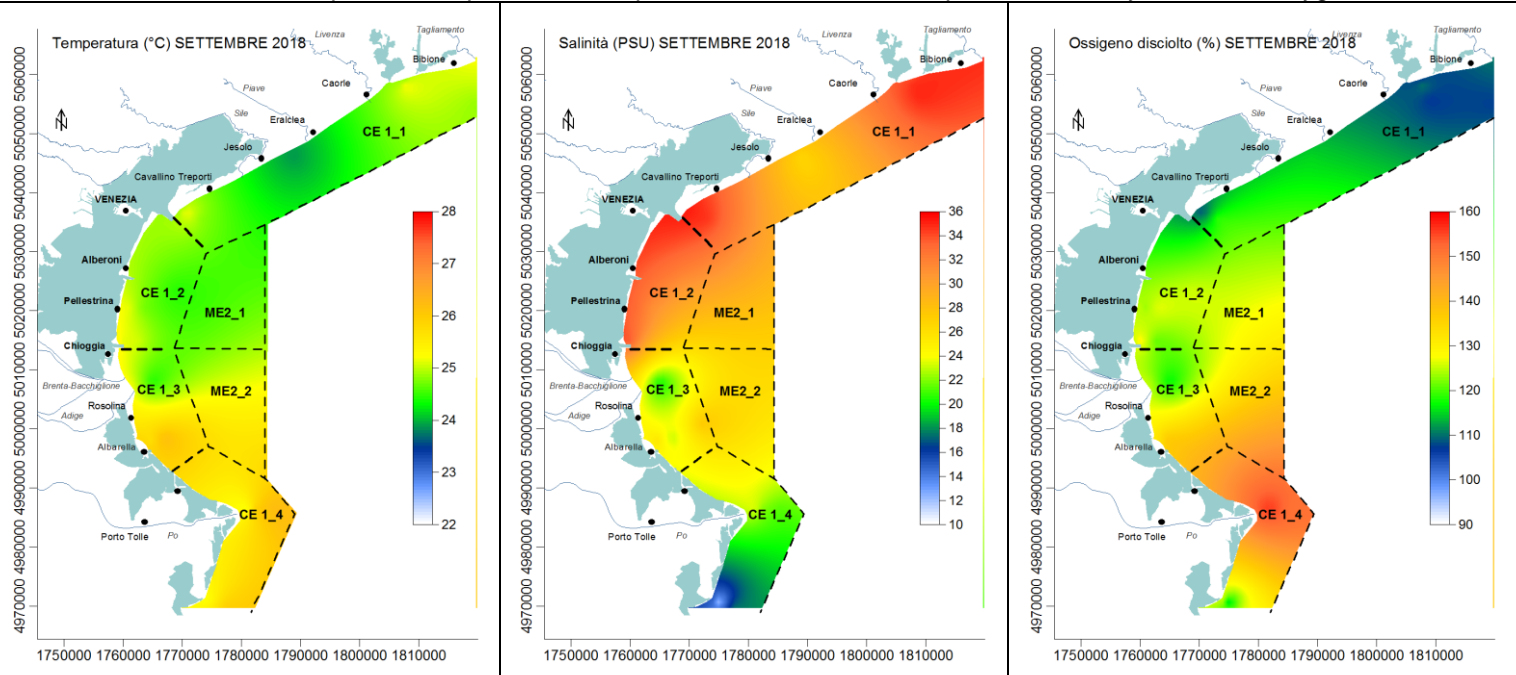
Parameters	Water Bodies					
	CE1_1	CE1_2	CE1_3	CE1_4	ME2_1	ME2_2
Water temperature °C	24.67	25.09	25.02	25.75	24.44	25.68
Salinity PSU	32.45	32.28	22.73	19.28	30.46	27.53
Dissolved oxygen %	111.32	124.29	124.36	138.81	125.57	136.53
Dissolved oxygen ppm	7.70	8.54	9.02	10.12	8.81	9.53
pH	8.30	8.39	8.39	8.53	8.37	8.56
Chlorophyll "a" µg/l	1.32	2.15	2.03	3.64	2.65	1.90
Turbidity FTU	2.53	2.78	9.09	8.41	3.46	3.44

## Water bodies and marine-coastal water monitoring network



## Distribution maps

The maps below represent the superficial distribution of temperature, salinity, dissolved oxygen.



For information about coastal bathing water situation, please visit the website at:

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