InforMare
May 2018

Marine-coastal waters monitoring campaign

The Veneto marine-coastal waters monitoring campaign was carried out on May 2th, 10th, 11th and 24th, in collaboration with Venice Coastal Guard.
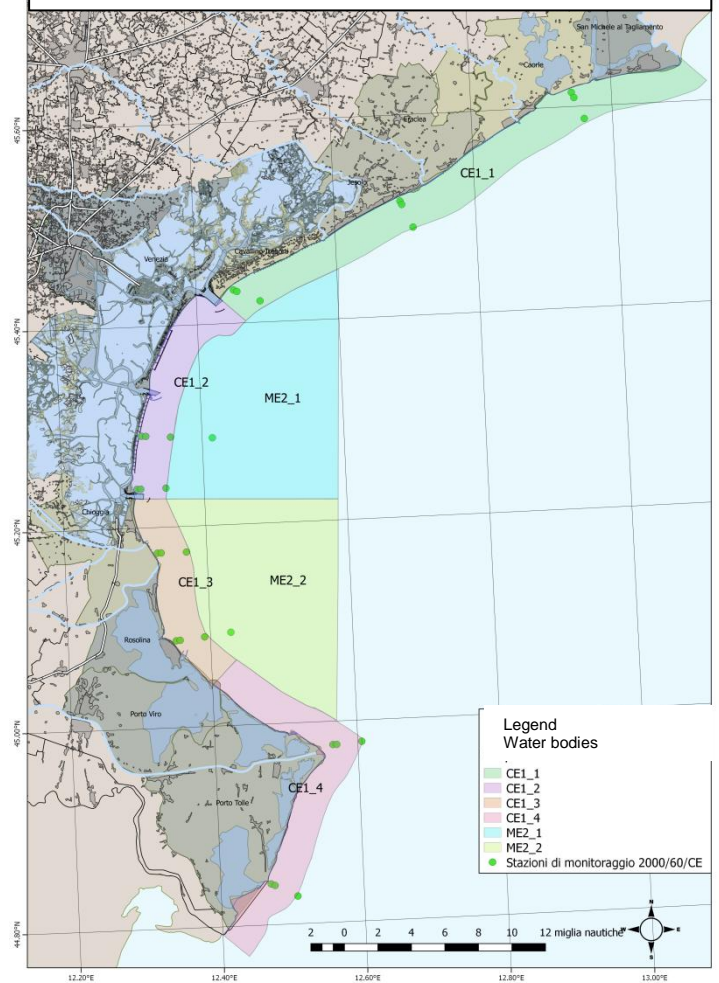
Considerations on the parameters detected

The table below shows the values measured by means of a multiparametric probe averaged in the water body.
The increase in air temperature has led to an increase in the surface water temperature with the formation of a typical spring thermal stratification along the water column. The lower water temperatures detected in the water body north of the Venice lagoon (CE1_1) are due to that this area was monitored at the beginning of the month.
Low Salinity values are detected on water bodies on south of the Venice lagoon influenced by Adige, Brenta-Bacchiglione and Po rivers. Dissolved oxygen is slightly higher than saturation in all water bodies and values of chlorophyll "a" are normally low.
The observations with underwater camera did not show the presence of mucilaginous aggregates along the water column.
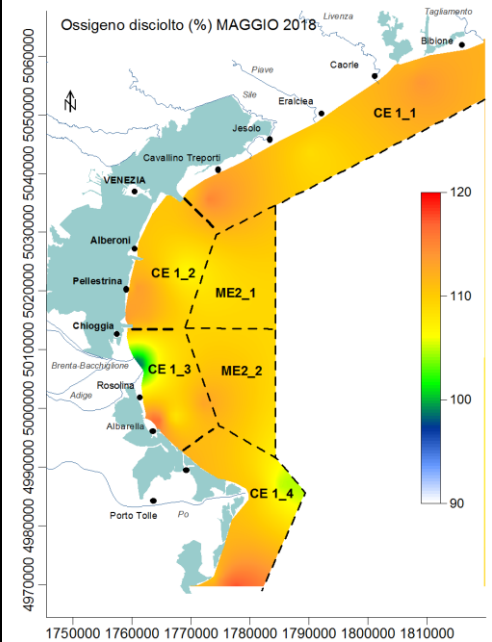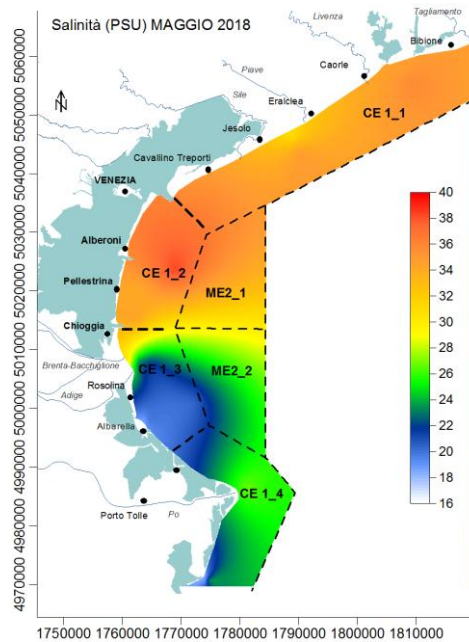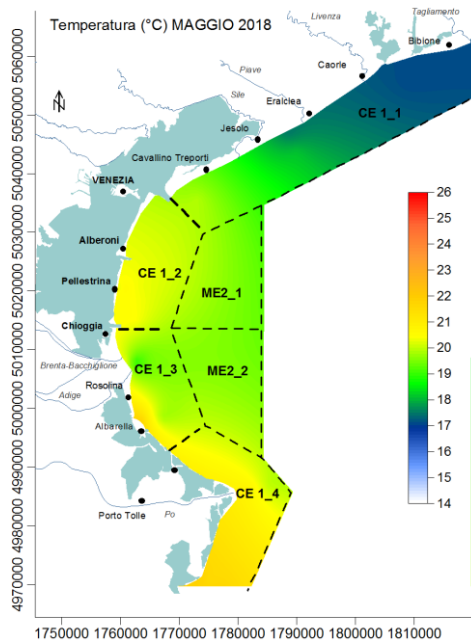
Water bodies and marine-coastal water monitoring network

Parameters	CE1_1	CE1_2	CE1_3	CE1_4	ME2_1	ME2_2
Water temperature °C	17.83	20.43	20.30	20.98	20.14	19.88
Salinity PSU	34.00	34.14	23.25	23.22	38.37	21.50
Dissolved oxygen %	111.58	112.37	107.00	110.94	106.38	113.40
Dissolved oxygen ppm	8.65	8.29	8.45	8.63	9.37	9.10
pH	8.28	8.33	8.31	8.44	8.31	8.31
Chlorophill "a" µg/l	1.08	1.38	2.99	1.82	1.88	2.09
Turbidity FTU	2.22	1.06	4.62	4.74	1.36	4.01

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