## Spatial-temporal dynamics of Chromophoric Dissolved Organic Matter (CDOM) and Colored Detrital Matter (CDM) light absorption coefficients in the Mediterranean Sea: from in situ data to a SeaWiFS climatology

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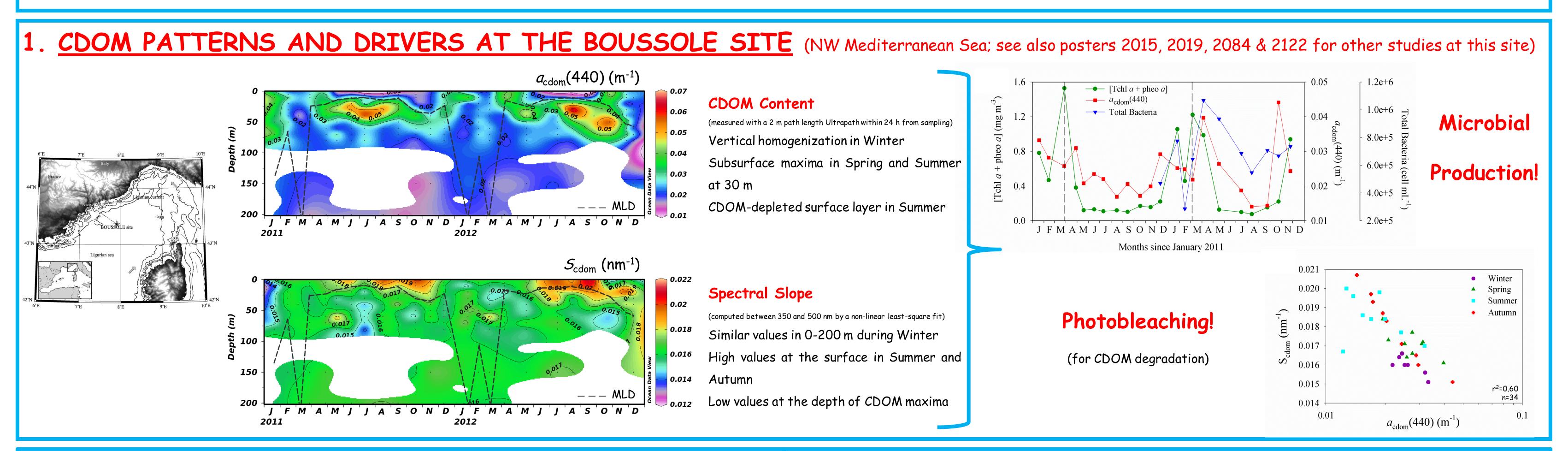
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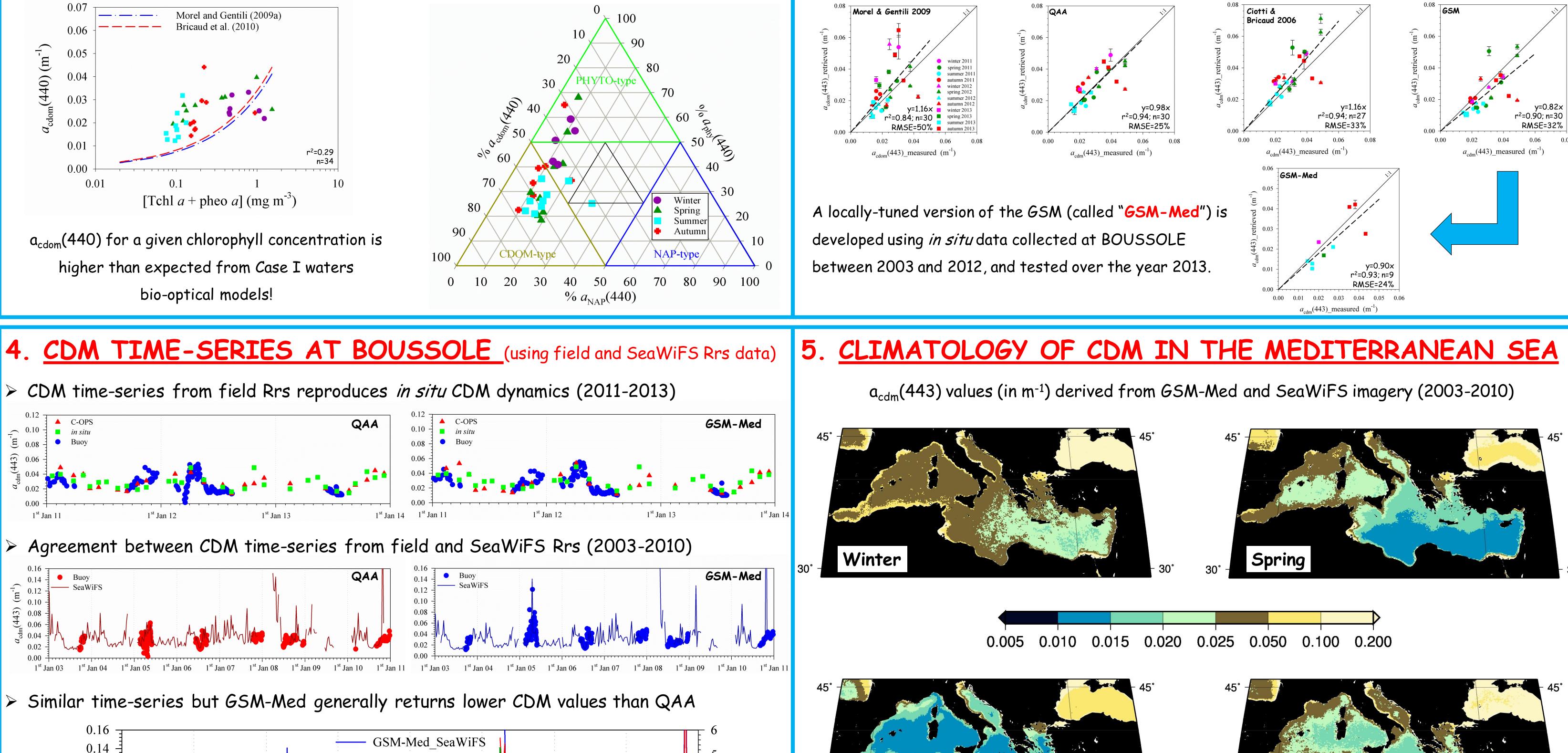
Spatio-temporal variability of CDOM and CDM light absorption coefficients in the Mediterranean Sea is still poorly understood because of a

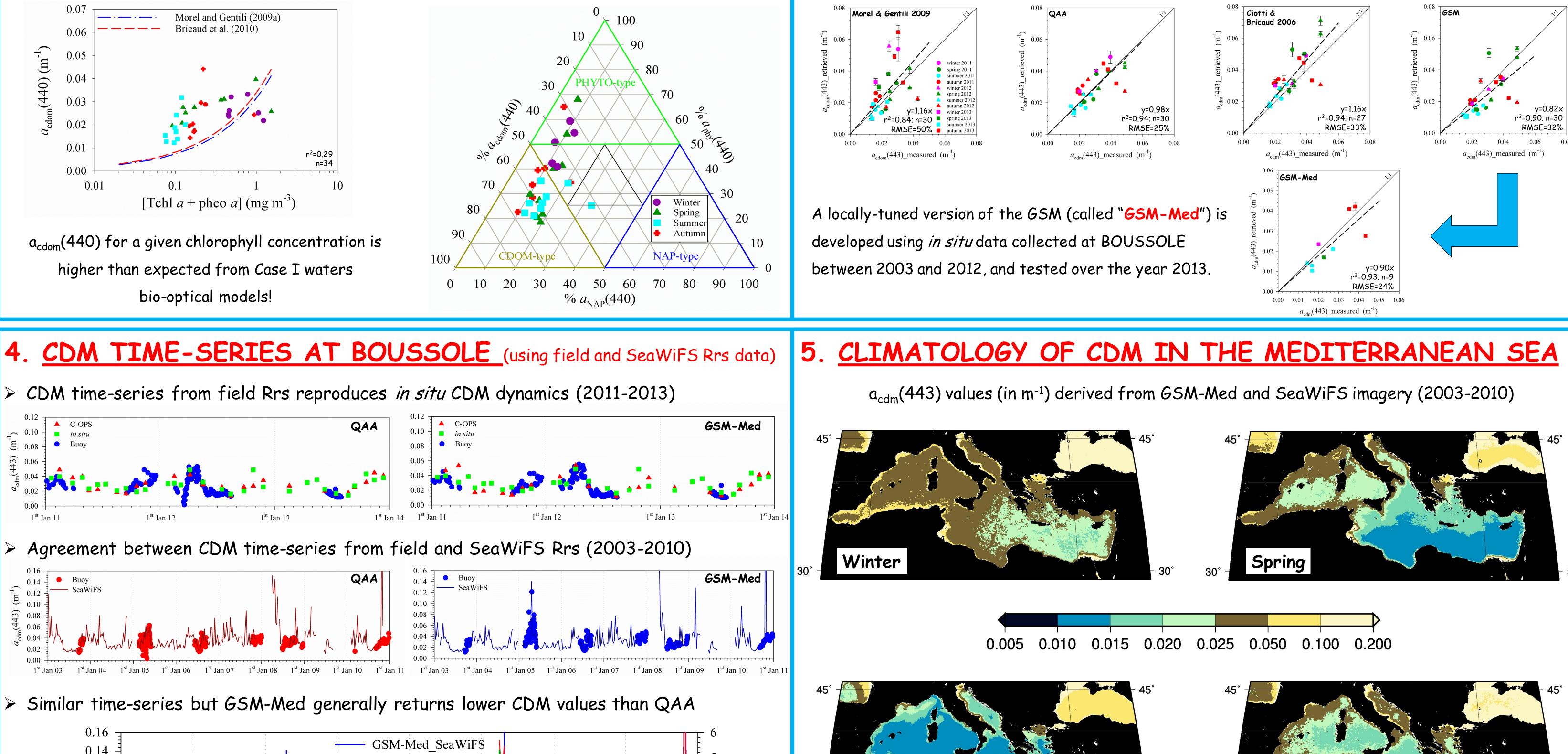
limited number of field studies and not-validated bio-optical inversion models for Ocean Color applications......



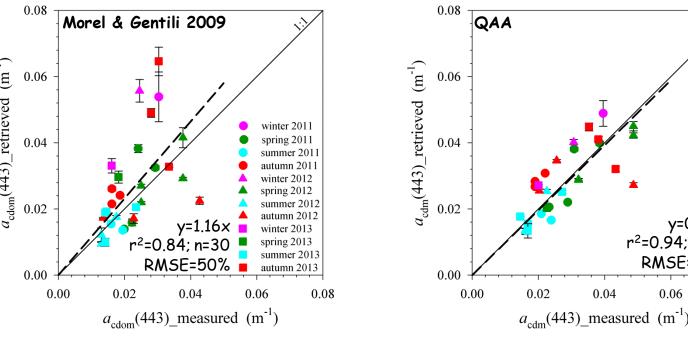


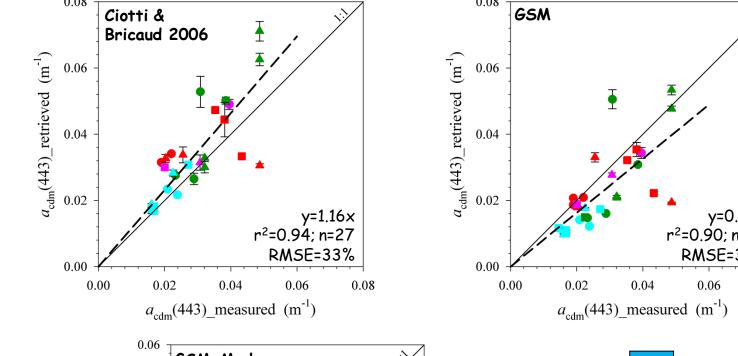
## **BIO-OPTICAL RELATIONSHIPS** (at surface of the BOUSSOLE site) 2.

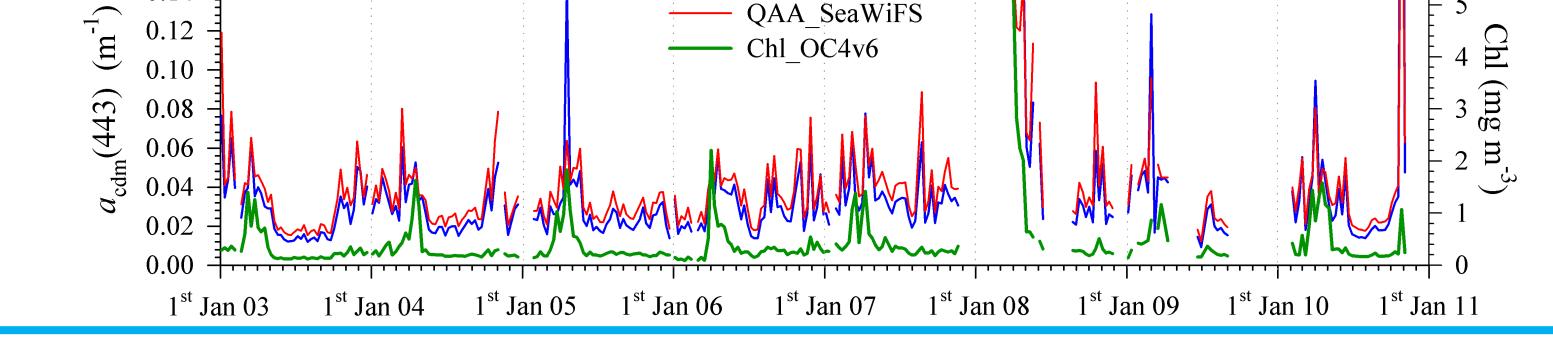


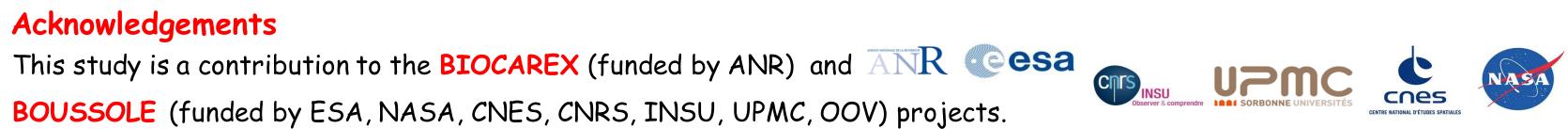


## **INVERSION MODEL PERFORMANCES** (using field Rrs measurements) 3













## You can read more about CDOM and CDM in:

Organelli E., Bricaud A., Antoine D. & A. Matsuoka (2014). Seasonal dynamics of light absorption by Chromophoric Dissolved

Organic Matter (CDOM) in the NW Mediterranean Sea (BOUSSOLE site). Deep-Sea Research I, 91, 72-85.

Organelli E., Bricaud A., Gentili B., Antoine D. & V. Vellucci. Evaluation of bio-optical inversion models for the retrieval of Colored

Dissolved Organic Matter (CDOM) and Colored Detrital Matter (CDM) light absorption coefficients in the Mediterranean Sea

using field and satellite ocean color radiometry. Submitted to *Remote Sensing of Environment*.