Milivoj KUZMIC Center for Marine Research, Rudjer Boskovic Institute, ZAGREB (Croatia)

Mirko ORLIC Andrija Mohorovicic Geophysical Institute, Fac. of Science, University of ZAGREB (Croatia)

Andrija Monorovicic Geophysical Institute, Fac. of Science, University of ZAGREB (Croatia) The intention of the present work is not to review the overall remote sensing contribution to our understanding of the physical oceanography of the Adriatic Sea in the last decade. While remote sensing technology enables detection of the sea surface temperature, colour, roughness and distance from the sensor, we limit our attention here to colour/derived pigment (Coastal Zone Colour Scanner - CZCS) and temperature (CZCS infrared channel and Advanced Very High Resolution Radiometer - AVHRR). Majority of remote-sensing related publications on the Adriatic justifies such a choice. Furthermore, we make distinction algorithms, those dealing with *in situ* calibration of pigment and temperature derivation algorithms, those dealing with direct interpretation of pigment and /or temperature fields, and finally investigations that make use of pigment or temperature data to corroborate *in situ* measurement and/or mathematical modelling results or to derive current fields, and finally investigations that make use of pigment or temperature data to corroborate *in situ* measurement and/or mathematical modelling following ORLIC *et al.*, (1992). The review demonstrates researchers' bias towards general-circulation and wind-induced current related themes, over the subjects of tidal currents, inertia-period oscillations and eddies. A similar review of remote sensing papers shows predominant use of pigment and temperature fields to corroborate empirical and/or modelling findings regarding surface dynamics (fine general-circulation related features), and a somewhat surprising lack of interest in pigment or temperature fields *per se*. However, it must be remembered that direct use of pigment and temperature fields *per se*. However, it must be remembered that direct use of pigment and temperature detail studies that relate remotely observed patterns. Most recently STURM et al. (1992) explored Po-affected pigment patteres, on pigment fields

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## REFERENCES

BARALE V., MALANOTTE-RIZZOLI P., HENDERSHOTT M.C., 1984.- Remotely sensing the surface dynamics of the Adriatic Sea. Deep Sea Research, 31, 1433-1459.
ORLIC M., GACIC M., LA VIOLETTE P. E., 1992. - The currents and circulation of the Adriatic Sea. Oceanologica Acta, 15, 109-124.
STURM B., KUZMIC M., ORLIC M., 1992. - An evaluation and interpretation of CZCS-derived patterns on the Adriatic shelf. Oceanologica Acta, 15, 13-23.

Rapp. Comm. int. Mer Médit., 33, (1992).