

Variability of the Eastern and Western Mediterranean Circulation and Thermohaline Properties; Similarities and Differences

(on the occasion of 25 years of the project *Physical Oceanography of the Eastern Mediterranean - POEM*)

Scientific Committee:

P. Malanotte-Rizzoli (Chair), F. Briand, A. Ciappa, G.L. Eusebi Borzelli, M. Gačić, E. Perozzi, G. Seminara

Organizing Committee:

A. Catucci, E. Corona, G.L. Eusebi Borzelli, M. Gačić, O. Gagliano, M. Grasso, R. Iungwirth, F. Perillo

Program

7 November – Morning

11.00-12.45: Authorities Welcome

7 November Afternoon

Chairman: G.L. Eusebi Borzelli

14.00: Scientific Committee: Introduction

14.10: **P. Malanotte-Rizzoli**: “The POEM Programme: its contribution to the evolution of the understanding of the Eastern Mediterranean dynamics”

14.35: **W. Roether**: “On the magnitude, causes, and effects of the East Mediterranean Transient”

15.00: **S. Brenner, A. Hecht, I. Gertman, Z. Rosentraub, Y. Bishop, S. Shaley**: “Circulation of the Eastern Mediterranean: From POEM-85 to the 21st century”

15.25: **A. Lascaratos, S. Sofianos, N. Skliris, A. Mantziafou**: “Eastern Mediterranean: General circulation and Interannual Variability”

15.50: *Coffee Break*

16.20: **H. L. Bryden, K. Schroeder, M. Borghini**: “The Mediterranean is getting saltier”

16.45: **A. Theoharis, G. Korres, D. Georgopoulos, G. Krokos**: “Variability of the thermohaline circulation in the Mediterranean”

17.10: **M. Gačić, G. L. Eusebi Borzelli, G. Civitarese, P.-M. Poulain**: “Impact of the Adriatic-Ionian Bimodal Oscillating System (BiOS) on oceanographic properties of the Adriatic and Levantine Seas”

8 November – Morning

Chairman: P. Malanotte-Rizzoli

9.00: **N. Pinardi**: “The Mediterranean Sea large scale circulation: a retrospective analysis 1987-2007”

9.25: **J. Tintoré, G. Vizoso, B. Casas, L. Renault, S. Ruíz, T. Garau, A. Pascual, M. Martinez-Ledesma, LL. Gomes-Pujol, A. Orfila**: “SOCIB: the role and impact of new multiplatform sustained observing and forecasting systems”

9.50: **G. Civitarese, M. Gačić, V. Kovačević, M. Batistić, R. Garić**: “Variability in the Adriatic-Ionian area: from the Adriatic incursions to the Bimodal Oscillating System mechanisms”

10.15: **M. Ribera D’Alcalà, F. C’Ortenzio, D. Iudicone, M. G. Mazzocchi**: “Are bio-geochemical variability and Mediterranean circulation closely linked?”

10.40: **T. Tanhua, W. Roether, T. Stöaut;ven, A. Schneider**: “Three decades of transient tracer data in the eastern Mediterranean Sea”

11.05: *Coffee Break*

11.35: **A. Crise, Ribera D’Alcalà**: “Climatic drivers impact on Mediterranean biogeochemistry”

12.00: **N. Kress, I. Gertman, B. Herut**: “Temporal changes in the physical and chemical properties of seawater in the easternmost Levantine basin”

12.25: **I. Siokou-Frangou, M.-G. Mazzocchi, E. D. Christou**: “Mesozooplankton and hydrological features in the Eastern Mediterranean Sea”

12.50: *Lunch Break*

8 November Afternoon

Chairman: M. Gačić

14.10: **G. Pisacane, V. Artale, S. Calmanti, A. Carillo, G. L. Eusebi Borzelli, G. Sannino**: “Decadal variability of the Eastern Mediterranean: observational evidence and numerical experiments”

14.35: **E. Özsoy, A. Aydogdu, A. Sozer, H. Nagy**: “A Review of the Levantine Basin Circulation and Modelling of the Asia Minor Current”

15.00: **P.-M. Poulain**: “Lagrangian observations of Mediterranean surface and sub-surface circulations: a review”

15.25: **K. Schroeder, G. P. Gasparini, H. L. Bryden, M. Borghini, S. Sparnocchia, A. Vetrano**: “Thermohaline variability in the western Mediterranean Sea”

15.50: *Coffee Break*

16.20: K. Beranger, J. Beuvier, C. Lebeaupin Brossier, S. Somot: “Spreading of the Western Mediterranean Deep Water after winter 2005: time-scales and deep cyclone transport”

16.45: Y. Ashkenazy, P. Malanotte-Rizzoli, P. H. Stone: “Box Modeling of the Eastern Mediterranean Sea”

17.10: G. L. Eusebi Borzelli, M. Gačić, G. Civitarese, V. Cardin: “Energy, energy sources and energy partition between the eastern and western Mediterranean”

20.00: *Dinner Offered by the Space Academy Foundation*

9 November Morning

Chairman: V. Artale

9.00: A. Bergamasco, F. Falcieri, S. Carniel, A. Benetazzo: “Deep Ventilation processes in Mediterranean Sea”

9.25: V. Cardin, M. Alvarez-Rodriguez, G. Civitarese, D. Hainbucher, W. Roether, T. Tanhua: “Similarities and Differences of Thermohaline properties in the Eastern Mediterranean in the last three decades”

9.50: V. Kovačević, B. B. Manca, L. Ursella, K. Schroeder, S. Cozzi, M. Burca, E. Mauri, R. Gerin, G. Notarstefano, D. Deponete: “The Eastern Mediterranean in June 2007 and a look back at the Eastern Mediterranean Transient”

10.15: I. Taupier Letage: “Comparison between the Algerian and the Libyo-Egyptian Currents”

10.40: M. Orlić: “Island-related processes and their multifaceted contribution to the Mediterranean dynamics”

11.05: *Coffee Break*

11.35: A. Rubino, F. Baldi, M. Bensi, S. Borin, V. Bouche, V. Cardin, F. Falcini, D. Hainbucher, M. Mapelli, E. Salusti, D. Zanchettin: “A note on abyssal water masses in the Ionian basin”

12.00: S. Sofianos, N. Skliris, A. Mantziafou, V. Vervatis, A. Lascartos, A. Theocharis: “The sensitivity of the Aegean-Levantine thermohaline circulation, derived from recent observations and models”

12.25: *Lunch Break*

9 November – Afternoon

14.10-15.40: Open discussion: Remarks and Recommendations