

## Sede di Lecce

### Workshop - Toward a better understanding of extreme events in Med Basin: combining numerical models and remote sensing Castro Marina (Lecce), July 8-10, 2024

The specific topic of this series of thematic seminars will concern meteorology and atmospheric composition, with particular attention to extreme events in the Mediterranean. Our intention is to find possible synergies between weather modeling, CTM models and remote sensing, aimed at a better understanding of extreme events (in a broad sense) in the Mediterranean.

Organised By Umberto Rizza (CNR/ISAC), Mario Marcello Miglietta (UNIBA/CNR-ISAC), Pierina Ielpo (CNR-ISAC) and Fabio Grasso (CNR/ISAC).

This series of seminars may be scheduled as a Joint Program between the working groups at ISAC/CNR: Aerosol Meteo and Climate (Coord. S.Decesari) and Weather Extremes (Coords Miglietta/Panegrossi).

- 1. Mario Marcello Miglietta** (UNIBA - CNR/ISAC) - *Climate change and severe convective events in the Mediterranean.*  
08/Jul/2024: 0930/1030 – <https://meet.goto.com/383590221>
- 2. Elenio Avolio** (CNR/ISAC) - *Extreme meteorological events in Southern Italy: modeling approaches.*  
08/Jul/2024: 1030/1130 – <https://meet.goto.com/383590221>
- 3. Federico Cassola** (ARPAL) - *Severe convective precipitation in Liguria: the challenge of operational forecasts.*  
08/Jul/2024: 1200/1300 – <https://meet.goto.com/383590221>
- 4. Piero Lionello** (UNISALENTO) - *An approach for estimating the impact of climate change on tornado frequency.*  
08/Jul/2024: 1600/1700 – <https://meet.goto.com/383590221>
- 5. Antonio Ricchi** (UNIAQ/CETEMPS) - *On the generation of a meteotsunami, the case study of supercell storm, over Adriatic Sea.*  
08/Jul/2024: 1730/1830 – <https://meet.goto.com/383590221>
- 6. Umberto Rizza** (CNR/ISAC) - *The role of natural aerosol on the radiative forcing and microphysics.*  
09/Jul/2024: 0930/1030 – <https://meet.goto.com/383590221>
- 7. Stefano Decesari** (CNR/ISAC) - *Recent findings on aerosol effects on cloud microphysical properties.*  
09/Jul/2024: 1030/1130 – <https://meet.goto.com/383590221>
- 8. Pierina Ielpo** (CNR/ISAC) - *Composition and size distribution of aerosol dry deposition: application in WRF-chem modelling and a case-study on Medicanes cyclogenesis.*  
09/Jul/2024: 1200/1300 – <https://meet.goto.com/383590221>
- 9. Massiliano Burlando** (UNIGE) - *Thunderstorm outflow models suitable for codification.*  
09/Jul/2024: 1600/1700 – <https://meet.goto.com/383590221>
- 10. Alessandro Tiesi** (CNR/ISAC) - *Implementation of an EnKF Data Assimilation system for a model. A case study.*  
09/Jul/2024: 1730/1830 – <https://meet.goto.com/383590221>
- 11. Alessandra Chiappini** (UNIVPM/DIISM) e **Fabio Grasso** (CNR/ISAC ed UNISALENTO)  
*Recent developments on (i) GIS based WRF pre-processing system (Gis2WRF) and on (ii) the scientific data networking (openDAP)*  
10/Jul/2024: 0930/1030 – <https://meet.goto.com/383590221>
- 12. Francesco De Martin** (UNIBO) - *The effect of complex topography on severe storms: from mountains to the urban canopy*  
10/Jul/2024: 1030/1130 – <https://meet.goto.com/383590221>

	Lunedì 8	Martedì 9	Mercoledì 10
09:30-10:30	MIGLIETTA	RIZZA	CHIAPPINI/GRASSO
10:30-11:30	AVOLIO	DECESARI	DE MARTIN
11:30-12:00	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
12:00-13:00	CASSOLA	IELPO	Discussione/Conclusioni
16:00-17:00	LIONELLO	BURLANDO	Possibili sinergie tra WG Extremes e Aerosol
17:00-17:30	COFFEE BREAK	COFFEE BREAK	Possibili sinergie tra WG Extremes e Aerosol
17:30-18:30	RICCHI	TIESI	Possibili sinergie tra WG Extremes e Aerosol
18:30-19:00	DISCUSSIONE	DISCUSSIONE	

#### Scuola Castro Marina

All the presentations can be seen online on Gotomeeting, using the following links

<https://meet.goto.com/Isac-Cnr/scuola-castro-marina>

<https://meet.goto.com/383590221>

On app GOTO: ID 383-590-221