# Program

## Thursday November 17

**Location:** Aula Mario Baratto, Ca' Foscari Palace, Dorsoduro 3246 - 30123 (VE)

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<th>Speaker</th>
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<tr>
<td>8:50-9:00</td>
<td>Angelo Rubino</td>
<td>Welcome Speech</td>
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<tr>
<td>9:00-10:30</td>
<td>Luigi Cavaleri</td>
<td>When sea surface leads to the wrong altimeter and scatterometer data</td>
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<tr>
<td>9:00-10:30</td>
<td>Alvise Benetazzo</td>
<td>WASS: where Oceanography meets Computer Vision</td>
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<tr>
<td>9:00-10:30</td>
<td>Georg Umgiesser</td>
<td>Coupled hydrological and hydrodynamic modelling application for climate change impact assessment in the Nemunas River watershed – Curonian Lagoon – south-eastern Baltic Sea continuum</td>
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<tr>
<td>10:30-11:00</td>
<td>Kai Logemann</td>
<td>ICON-Coast - resolving the global coast with unstructured grids</td>
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<tr>
<td>10:30-11:00</td>
<td>Vera Fofonova</td>
<td>FESOM-C coastal ocean model: overview of recent applications</td>
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<tr>
<td>10:30-11:00</td>
<td>Sara Rubinetti</td>
<td>Circulation dynamics in the Marine Protected Areas in the German Bight (North Sea): the role of atmospheric forcing</td>
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**10:30-11:00 COFFEE BREAK**
**Session 2  11:00-12:30  The Mediterranean Sea /1**

<table>
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<th>Author</th>
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<tr>
<td>Ivica</td>
<td>(Sub-)kilometre climate modelling of the Adriatic Sea</td>
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<tr>
<td>Malek</td>
<td>Two decades of oceanographic variability off the Lebanese coast</td>
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<tr>
<td>Tomislav</td>
<td>Oceanographic factors influencing the spatio-temporal variability of anchovy early life stages in the eastern Adriatic Sea during 2013-2020: temperature, salinity, chlorophyll, upwelling and BiOS</td>
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<tr>
<td>Elisabeth</td>
<td>Heat content and temperature trends in the Mediterranean Sea as derived by Argo float data (2005 – 2020)</td>
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<tr>
<td>Katrin</td>
<td>MedSHIP: Implementing the GO-SHIP concept in the Mediterranean Sea</td>
</tr>
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**12:15-14:30  LUNCH (*)**

**Tarmo Soomere  14:30-15:00  INVITED TALK**

Separation of climate change driven features from natural variability of the coastal zone

**Session 3  15:00-16:30  Climate variability and change**

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<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Stefano</td>
<td>On the validity of the Milankovitch hypothesis in the late Pleistocene</td>
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<td>Katinka</td>
<td>Impacts of a weakened AMOC on precipitation over the Euro-Atlantic region in the EC-Earth3 climate model</td>
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<td>Nicola</td>
<td>CMIP6 GCMs versus global surface temperatures: an ECS discussion</td>
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<td>Roberta</td>
<td>Sensitivity of regional monsoons to idealised equatorial volcanic eruption of different sulfur emission strengths</td>
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<td>Hyacinth</td>
<td>Tropical Atlantic impacts on the North Atlantic Oscillation</td>
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<tr>
<td>Pierpaolo</td>
<td>Antarctica under sea-ice observations from grounded Argo floats</td>
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**16:30-17:00  COFFEE BREAK**
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<th>Session 4</th>
<th>17:00-18:15</th>
<th>The Mediterranean Sea /2</th>
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<tbody>
<tr>
<td>Maria Letizia Vitelletti</td>
<td>Modelling distribution and fate of coralligenous habitat in the Northern Adriatic Sea under a severe climate change scenario</td>
<td></td>
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<tr>
<td>Marco Reale</td>
<td>Response of the Mediterranean Sea Biogeochemical dynamics to two different levels of global warming: a study using eddy resolving projections under RCP4.5 and RCP8.5 emission scenarios</td>
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<tr>
<td>Davide Bonaldo</td>
<td>An ensemble modelling dataset to explore ocean dynamics in the Adriatic Sea in a severe climate change scenario.</td>
<td></td>
</tr>
<tr>
<td>Francesco Barbariol de Luca de Amorim</td>
<td>Regional wave forecast and climate using corrected global model winds</td>
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<tr>
<td>Felipe Lopes de Amorim</td>
<td>Time evolution of double diffusion in the southern Adriatic from the EMSO-E2M3A Regional Facility</td>
<td></td>
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</tbody>
</table>

18:15-18:45  TOAST WITH ALL THE PARTICIPANTS

20:30  SOCIAL DINNER (*)

“Trattoria la Rosa dei Venti”
Santa Croce, 164, 30135 Venezia Italia
### Session 5  9:15-10:30  High-energy phenomena in ocean and atmosphere

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<tr>
<th>Speaker</th>
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<tbody>
<tr>
<td>Alexey Androsov</td>
<td>Simulation of tsunami wave generation by landslide dynamics on the example of Palu Bay and Vajont</td>
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<tr>
<td>Silvio Davison</td>
<td>Extreme waves in the Mediterranean Sea: climatological aspects and their occurrence during Tropical-Like Cyclones</td>
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<tr>
<td>Cosimo Enrico Carniel</td>
<td>Explosive cyclogenesis in the Mediterranean Sea exploiting the ERA5 dataset: detection, classification and preliminary statistical analysis</td>
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<tr>
<td>Antonio Ricchi</td>
<td>On the role of Ocean Mixed Layer and Sea Surface Temperature Anomaly in the genesis, intensification and evolution of the Mediterranean Tropical-Like cyclones “IANOS”</td>
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<tr>
<td>Milena Menna</td>
<td>Impact of the Medicane Apollo on a cyclonic vortex of the Ionian Sea</td>
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**10:30-11:00  COFFEE BREAK**

### Session 6  11:00-12:15  Observations and Experiments

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<tr>
<td>Achim Wirth</td>
<td>On the power supply to the ocean</td>
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<td>Maria Eletta Negretti</td>
<td>Experiments on downslope rotating and intruding gravity currents and their contribution to turbulence production in the ocean interior</td>
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<tr>
<td>Sévan Rétif</td>
<td>Mixing in Oceanic Gravity Currents from Laboratory Experiments</td>
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**12:30-14:30  LUNCH (*)**
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<th>Session 7</th>
<th>14:30-15:30</th>
<th>General session</th>
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<td>Annunziata</td>
<td>Pirro</td>
<td>Cyclonic cones observations: a new mechanism for the convection process occurrence in the South Adriatic Pit</td>
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<td>Mauro</td>
<td>Giudici</td>
<td>Development of a Bayesian approach to map oceanic structures</td>
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<td>Sofia</td>
<td>Flora</td>
<td>Fluctuating Air-Sea Interaction in the Gulf of Trieste</td>
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<tr>
<td>Carla</td>
<td>Taricco</td>
<td>Underground muon flux reveals daily to decadal stratospheric temperature variations</td>
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<th>Session 8</th>
<th>16:00-17:15</th>
<th>Polar regions - IPSODES session</th>
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<tr>
<td>Maurizio</td>
<td>Fedi</td>
<td>Gravity data analysis for the study of melting ice sheets caused by climate change</td>
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<td>Manuel</td>
<td>Bensi</td>
<td>Results and perspectives from the Italian deep-sea observatory in the Arctic: A joint effort</td>
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<tr>
<td>Alessio</td>
<td>Colella</td>
<td>Modeling the intrinsic variability of the Antarctic Circumpolar Current</td>
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<tr>
<td>Daniela</td>
<td>Flocco</td>
<td>Predictability in GCMs: impact of accurate initial conditions</td>
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<tr>
<td>Davide</td>
<td>Zanchettin</td>
<td>On the predictability of Antarctic sea-ice concentration</td>
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| 17:15-18:00 | TOAST WITH ALL THE PARTICIPANTS |

(*) at participants’ cost

All talk slots, except key-note talks, include a 12-minute presentation and 3 minutes for discussion
Detailed list of contributions

Androsov A. (1), Harig S. (1), Rubino A. (2), Zanchettin D. (2)
*Simulation of tsunami wave generation by landslide dynamics on the example of Palu Bay and Vajont*
(1) Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
(2) Ca’ Foscari University of Venice

Barbariol Francesco (1), Alvise Benetazzo (1), Silvio Davison (1), Luigi Cavalieri (1), Luciana Bertotti (1), Mauro Scalone (2), Paolo Pezzutto (3), Alvise Papa (4), Piero Ruol (5), Luca Martinelli (5), Chiara Favaretto (5)
*Regional wave forecast and climate using corrected global model winds*
(1) Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
(2) Ca’ Foscari University of Venice

Belgacem Malek (1), Simona Aracri (2), Katrin Schroeder (1), Abed El Rahman Hassoun (3), Milad Fakhri (4), Jacopo Chiggiato (1)
*Two decades of oceanographic variability off the Lebanese coast*
(1) CNR-ISMAR, Arsenale Tesa 104, Castello 2737/F, 30122 Venice, Italy
(2) CNR-INM, Via de Marini, 16, 16149, Genoa, Italy
(3) GEOMAR, Düesternbrooker Weg 20, D-24105 Kiel, Germany
(4) CNRSL, National Centre for Marine Sciences, Batroun, Lebanon

Bellomo Katinka (1,2), Virna L. Meccia (3), Roberta D’Agostino (4,5), Federico Fabiano (3), Sarah M. Larson (6), Jost von Hardenberg(1,2), Susanna Corti(3)
*Impacts of a weakened AMOC on precipitation over the Euro-Atlantic region in the EC-Earth3 climate model*
(1) Polytechnic University of Turin, Department of Environment, Land and Infrastructure Engineering, Turin, Italy
(2) National Research Council, Institute of Atmospheric Sciences and Climate, Turin, Italy
(3) National Research Council, Institute of Atmospheric Sciences and Climate, Bologna, Italy
(4) University of Trento, Department of Civil, Environmental and Mechanical Engineering, Trento, Italy
(5) Max-Planck Institute for Meteorology, Hamburg, Germany
(6) Department of Marine, Earth, and Atmospheric Sciences, North Carolina State University, Raleigh, NC, USA

Benetazzo Alvise (1), Bergamasco Filippo (2), Barbariol Francesco (1), Mara Pistellato (2), Adrian Callaghan (3), Jeo Peach (3), Davison Silvio (1), Scalone Mauro (4)
*WASS: where Oceanography meets Computer Vision*
(1) Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
(2) Ca’ Foscari University of Venice

Bensi Manuel (1), V. Kovačević (1), P. Mansutti (1), L. Ursella (1), M. Rebesco (1), L. Langone (2), S. Misericocchi (2), P. Giordano (2), F. De Rovere (2), T. Tesi (2), S. Aliani (2)
*Results and perspectives from the Italian deep-sea observatory in the Arctic: A joint effort*
(1) OGS
(2) CNR-ISP and CNR-ISMAR
Bianucci M. (1), Riccardo Mannella (2), A. Capotondi (3), S. Merlino (1)

Including finite time scale separation and feedback in the description of multi-time-scale Geophysical phenomena: the reduction to a 1-d SDE

(1) Istituto di Scienze Marine, Consiglio Nazionale delle Ricerche (ISMAR—CNR), Forte Santa Teresa, Pozzuolo di Lerici, 19032 Lerici (SP), Italy
(2) Dipartimento di Fisica, Università di Pisa, 56100 Pisa, Italy
(3) CIRES, University of Colorado, Boulder, Colorado 80309, USA; and Physical Sciences Division, Earth System Research Laboratory, NOAA, Boulder, Colorado 80305, USA

Bonaldo Davide (1), Sandro Carniel (2,3), Renato Colucci (2), Cléa Denamiel (4), Petra Pranić (5), Fabio Raichich (6), Antonio Ricchi (7), Lorenzo Sangelantoni (7,8), Ivica Vilibić (4), Maria Letizia Vitelletti (1)

An ensemble modelling dataset to explore ocean dynamics in the Adriatic Sea in a severe climate change scenario

(1) CNR-ISMAR, Venice, Italy
(2) CNR-ISP, Venice, Italy
(3) NATO-CMRE, Lerici, Italy
(4) Ruđer Bošković Institute, Zagreb, Croatia
(5) IZOR, Split, Croatia
(6) CNR-ISMAR, Trieste, Italy
(7) University of L’Aquila, L’Aquila, Italy, Center of Excellence in Telesensing of Environment and Model Prediction of Severe Events – CETEMPS
(8) CMCC, Bologna, Italy

Brandt Peter (1,2), Rena Czeschel(1), Mareike Körner(1), Ajit Subramaniam(3), Gerd Krahmann(1), Marcus Dengler(1), Rainer Kiko(1,4)

Seasonal cycle of upwelling and upward nutrient supply in the equatorial Atlantic

(1) GEOMAR Helmholtz Centre for Ocean Research Kiel, Kiel, Germany
(2) Faculty of Mathematics and Natural Sciences, Kiel University, Kiel, Germany
(3) Lamont-Doherty Earth Observatory, Columbia University, Palisades, NY, United States
(4) Laboratoire d’Océanographie de Villefranche, Villefranche-sur-Mer, France

Carniel Cosimo Enrico (1), Antonio Ricchi (2), Rossella Ferretti (2), Gabriele Curci (2), Mario Marcello Miglietta (3), Marco Reale (4), Piero Serafini (2), Evan David Wellmayer (2), Dino Zardi (1)

Explosive cyclogeneses in the Mediterranean Sea exploiting the ERA5 dataset: detection, classification and preliminary statistical analysis

(1) University of Trento, DICAM-Department of civil, environmental and mechanical engineering, Trento, Italy
(2) University of L’Aquila, Department of Physical and Chemical Sciences - CETEMPS, L’Aquila, Italy
(3) CNR-ISAC, Lecce, Italy
(4) Istituto di Oceanografia e di Geofisica Sperimentale – OGS, Via Beirut 2-4, Trieste, Italy

Cavaleri Luigi (1), Luciana Bertotti (1), Ibrahim Hoteit (2), Sabique Langodan (2)

When sea surface leads to the wrong altimeter and scatterometer data

(1) ISMAR-CNR Venice, Italy
(2) KAUST Thuwal Saudi Arabia

Colella A. (1), P. de Ruggiero (1), S. Pierini (1)

Modeling the intrinsic variability of the Antarctic Circumpolar Current

(1) University of Naples “Parthenope

D’Agostino Roberta (1) and Claudia Timmreck (1)

Sensitivity of regional monsoons to idealised equatorial volcanic eruption of different sulfur emission strengths

(1) Max Planck Institute for Meteorology
Davison Silvio (1), Francesco Barbariol (1), Alvise Benetazzo (1), Francesco Marcello Falcieri (1), Antonio Ricchi (2), Rossella Ferretti (2), Mauro Solavo (3)
Extreme waves in the Mediterranean Sea: climatological aspects and their occurrence during Tropical-Like Cyclones
(1) CNR-ISMAR
(2) University of L’ Aquila
(3) CNR-ISP

de Luca Lopes de Amorim Felipe (1), Dr. Vanessa Rossana Cardin (1), Prof. Achim Wirth (2)
Time evolution of double diffusion in the southern Adriatic from the EMSO-E2M3A Regional Facility
(1) Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS
(2) Université Grenoble Alpes, CNRS, Grenoble INP, LEGI, Grenoble, France

Diouf Ibrahima (1,2), Souleymane Sy (3), Habib Senghor (4), Papa Fall (5), Diarra Diouf (1), Moussa Diakhaté (1,6) Wassila M. Thiaw (2) and Amadou T. Gaye (1)
Potential Contribution of Climate Conditions on COVID-19 Pandemic Transmission over West and North African Countries
(1) Laboratoire de Physique de l’Atmosphère et de l’Océan-Siméon Fongang, Ecole Supérieure Polytechnique de l’Université Cheikh Anta Diop (UCAD), Dakar 5085, Senegal
(2) National Oceanic and Atmospheric Administration, Center for Weather and Climate Prediction, University Research Court, College Park, MD 20740, USA
(3) Institute of Geography, University of Augsburg, 86159 Augsburg, Germany
(4) Agence Nationale de l’Aviation Civile et de la Météorologie (ANACIM), Aéroport Léopold Sédar Senghor, Dakar 8184, Senegal
(5) Unité de Formation et de Recherche de Sciences Appliquées et de Technologie, Université Gaston Berger de Saint-Louis, Saint-Louis 32000, Senegal
(6) École Supérieure des Sciences et Techniques de l’Ingénieur, Université Amadou Mahtar MBOU (UAM) de Dakar, Dakar 11000, Senegal

Džoić Tomislav (1), Barbara Zorica(1) Frano Matić(1), Marija Šestanović(1), Vanja Čikeš Keć(1)
Oceanographic factors influencing the spatio-temporal variability of anchovy early life stages in the eastern Adriatic Sea during 2013-2020: temperature, salinity, chlorophyll, upwelling and BiOS
(1) Institute of Oceanography and Fisheries (IZOR), Croatia

Falcieri Francesco M. (1), Lorenzo Pasculli (1,2)
Turbulence observations on subducting filaments originating from frontal areas: measurements from the CALYPSO cruises
(1) Consiglio Nazionale delle Ricerche - Istituto di Scienze Marine
(2) Ca’ Foscari Università di Venezia

Krauzig N. (1), P. Castagno (2), Y. Cotroneo (1), Pierpaolo Falco (3), E. Mauri (3), M. Menna (3), G. Notarstefano (3), E. Zambianchi (1)
Antarctica under sea-ice observations from grounded Argo floats
(1) Dipartimento di Scienze e Tecnologie, Università di Napoli Parthenope, Napoli, Italy
(2) Department of Mathematical and Computer Science, Physical Sciences and Earth Sciences, University of Messina, Italy
(3) Dipartimento di Scienze della Vita e dell’Ambiente, Università Politecnica delle Marche, Ancona, Italy
(3) Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Sgonico, Italy

Fedi Maurizio (1), Florio Giovanni (1), Maiolino Marco
Gravity data analysis for the study of melting ice sheets caused by climate change
(1) Department of Earth, Environmental and Resources Science (DiSTAR), Università di Napoli Federico II

Flocco Daniela (1), L. Ponsoni (2), E. Hawkins (3), D. Feltham (4)
Predictability in GCMs: impact of accurate initial conditions
(1) Università degli Studi di Napoli Federico II
(2) Flanders Marine Institute (VLIZ)
(3) National Centre for Atmospheric Science - Reading University
(4) Centre for Polar Observations and Modeling - Reading University

Flora Sofia (1,2), Laura Ursella (2), Achim Wirth (3)
Fluctuating Air-Sea Interaction in the Gulf of Trieste
(1) UniTS
(2) OGS
(3) LEGI

Fofonova Vera (1), A. Androsov (1), I. Kuznetsov (1), S. Rubinetti (1), C. Neder (2), K.H. Wiltshire (1)
FESOM-C coastal ocean model: overview of recent applications
(1) Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
(2) National University of Cordoba

Comunian Alessandro (1), Mauro Giudici (1), Arianna Panzeri (1)
Development of a Bayesian approach to map oceanic structures
(1) Università degli Studi di Milano, Dipartimento di Scienze della Terra "A. Desio"

Krauzig Naomi (1), Pierpaolo Falco (2), Enrico Zambianchi (1)
New insights into the occurring changes of the Tyrrenian Sea
(1) Università degli Studi di Napoli Parthenope
(2) Università Politecnica delle Marche

Kubin Elisabeth (1), Milena Menna, Elena Mauri, Giulio Notarstefano, Sebastian Mieruch, Pierre-Marie Poulain
Heat content and temperature trends in the Mediterranean Sea as derived by Argo float data (2005 – 2020)
(1) OGS - Institute of Oceanography and Applied Geophysics

Ingrosso R. (1), Piero Lionello (2), M. M. Miglietta (3), P. Groenemeijer (4), G. Salvadori (2)
On the meteorological variables leading to the occurrence of intense tornadoes
(1) Univ. of Quebec Canada
(2) Univ. of Salento, Italy
(3) ISAC-CNR, Italy
(4) ESSL, Austria

Mathis M. (1), Kai Logemann(1), J. Maerz(2), F. Lacroix(3), S. Hagemann(1), F. Chegini(2), L. Ramme(2,4), T. Ilyina(2), P. Korn(2), and C. Schrum(1,5)
ICON-Coast - resolving the global coast with unstructured grids
(1) Helmholtz-Zentrum Hereon, Institute of Coastal Systems, Max-Planck-Str. 1, D-21502 Geesthacht, Germany
(2) Max-Planck-Institute for Meteorology, Bundesstr. 53, D-20146 Hamburg, Germany
(3) Max-Planck-Institute for Biogeocchemistry, Hans-Knöll-Str. 10, D-07745 Jena, Germany
(4) International Max Planck Research School on Earth System Modelling, Hamburg, Germany
(5) University of Hamburg, Institute of Oceanography, Bundesstr. 53, D-20146 Hamburg, Germany

Longandjo Georges-Noel T. (1) Mathieu Rouault (1)
Revisiting the Seasonal Cycle of Rainfall over Central Africa
(1) University of Cape Town

Impact of the Medicane Apollo on a cyclonic vortex of the Ionian Sea
(1) OGS
Negretti Maria Eletta (1), Tassigny, A., Wirth, A. and Retif, S.  
*Experiments on downslope rotating and intruding gravity currents and their contribution to turbulence production in the ocean interior*  
(1) LEGI, CNRS/UGA, Grenoble, France

Nnamchi Hyacinth C. (1,2), Riccardo Farneti (3), Noel S. Keenlyside (4), Fred Kucharski (3), Mojib Latif (1,5), Annika Reintges(6), Thomas Martin(1)  
*Tropical Atlantic impacts on the North Atlantic Oscillation*  
(1) GEOMAR Helmholtz Centre for Ocean Research Kiel, Düsternbrooker Weg 20, 24105 Kiel, Germany  
(2) Department of Geography, University of Nigeria, Nsukka 410001, Nigeria  
(3) Earth System Physics Section, Abdus Salam International Centre for Theoretical Physics, Strada Costiera 11, 34151 Trieste, Italy  
(4) Geophysical Institute and Bjerknes Centre for Climate Research, University of Bergen, Allégaten 70, 5007 Bergen, Norway  
(5) Kiel University, Christian-Albrechts-Platz 4, 24118 Kiel, Germany  
(6) National Centre for Atmospheric Science, University of Reading, Reading, United Kingdom

Pierini Stefano (1)  
*On the validity of the Milankovitch hypothesis in the late Pleistocene*  
(1) Dipartimento di Scienze e Tecnologie, Università di Napoli Parthenope

Pirro Annunziata (1), Mauri E., Gerin R., Martellucci R., Zuppelli P., Poulain P.M.  
*Cyclonic cones observations: a new mechanism for the convection process occurrence in the South Adriatic Pit*  
(1) OGS Trieste

Reale Marco (1), Gianpiero Cossarini (1), Paolo Lazzari (1), Tomas Lovato (2), Giorgio Bolzon (1), Simona Masina (2), Cosimo Solidoro (1), Stefano Salon (1)  
*Response of the Mediterranean Sea Biogeochemical dynamics to two different levels of global warming: a study using eddy resolving projections under RCP4.5 and RCP8.5 emission scenarios*  
(1) OGS  
(2) CMCC

Rétif Sévan (1), Eletta Negretti (1), Achim Wirth (1)  
*Mixing in Oceanic Gravity Currents from Laboratory Experiments*  
(1) LEGI

Ricchi Antonio (1,2), Giovanni Liguori (3), Leone Cavicchia (4), Mario Marcello Miglietta (5), Davide Bonaldo (6), Sandro Carniel (7), Rossella Ferretti (1,2)  
*On the role of Ocean Mixed Layer and Sea Surface Temperature Anomaly in the genesis, intensification and evolution of the Mediterranean Tropical-Like cyclones “IANOS”*  
(1) Università di L’Aquila, Department of Physics and Chemical Sciences, L’Aquila, Italy  
(2) CETEMPS - Center of Excellence in Telesensing of Environment and Model Prediction of Severe Events  
(3) Università di Bologna  
(4) Euro-Mediterranean Center on Climate Change (CMCC)  
(5) CNR-ISAC  
(6) CNR-ISMAR  
(7) NATO STO-CMRE - Centre for Maritime Research and Experimentation

*Circulation dynamics in the Marine Protected Areas in the German Bight (North Sea): the role of atmospheric forcing*
**Scafetta Nicola** (1)
*CMIP6 GCMs versus global surface temperatures: an ECS discussion*
(1) Università degli Studi di Napoli Federico II

**Schroeder Katrin** (1)
*MedSHIP: Implementing the GO-SHIP concept in the Mediterranean Sea*
(1) CNR-ISMAR, Venezia (Italy)

**Soomere Tarmo** (1)
*Separation of climate change driven features from natural variability of the coastal zone*
(1) Estonian Academy of Sciences and Tallinn University of Technology

**Taricco Carla** (1), Amone E. (1), Rubinetti S. (2), Bizzarri I. (1) and LVD collaboration
*Underground muon flux reveals daily to decadal stratospheric temperature variations*
(1) Department of Physics, University of Turin and Istituto Nazionale di Fisica Nucleare (INFN), Turin, Italy
(2) Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Germany

**Rasa Idzelytė** (1), **Georg Umgiesser** (2,1), Natalja Čerkasova(1,3), Ali Erőtürk(1,4), Jovita Mežinė(1), Toma Dabulevičienė(1), Artūras Razinkovas-Baziukas(1)
*Coupled hydrological and hydrodynamic modelling application for climate change impact assessment in the Nemunas River watershed – Curonian Lagoon – south-eastern Baltic Sea continuum*
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**Denamiel Clea**, Iva Tojcic, Petra Pranic, **Ivica Vilibic** (1)
*(Sub-)kilometre climate modelling of the Adriatic Sea*
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*Modelling distribution and fate of coralligenous habitat in the Northern Adriatic Sea under a severe climate change scenario*
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*On the power supply to the ocean*
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**Zanchettin Davide** (1), Kamweswarrao Modali (2), Wolfgang Mueller (3), Angelo Rubino (1)
*On the predictability of Antarctic sea-ice concentration*
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