

Curriculum vitae of Marcello G. Magaldi

July 2023

PERSONAL INFORMATION

Names: Marcello Gatimu
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Office Address: CNR - Consiglio Nazionale delle Ricerche,
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EDUCATION

May 2009 **Ph.D. in Meteorology and Physical Oceanography** at the University of Miami, RSMAS/MPO.
Thesis: *Turbulent coherent structures near coastal capes*.
Advisors: Prof. T. M. Özgökmen, Prof. E. P. Chassignet, Prof. A. Griffa

February 2002 Five Year **Degree in Environmental Sciences** (specialization in Marine Environment) at the University of Genoa (Italy), **grade 110/110 cum laude and press dignity**. Thesis: *Application of the Princeton Ocean Model (POM) and of the Lagrangian Assessment for Marine Pollution model (LAMP3D) to a study of the impact coming from finfish net-pen mariculture wastes*.
Advisors: Prof. R. Festa, Dr. P. Carnevale, Prof. M. Fabiano and Prof. S. Tucci

WORK EXPERIENCES

Jan. 2023 - current **Senior Researcher**
Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia
Pozzuolo di Lerici (SP), Italy

Oct. 2011 - Dec. 2022 **Researcher**
Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze

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| | Marine (ISMAR), Sede di La Spezia Pozzuolo di Lerici (SP), Italy |
| Jul. 2011 - current | Visiting Scholar Department of Earth and Planetary Sciences, The Johns Hopkins University Baltimore, MD, USA |
| Sep. 2011 | Fixed-term Contract Researcher Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia Pozzuolo di Lerici (SP), Italy |
| Jul. 2009 - Jun. 2011 | PostDoctoral Fellow Department of Earth and Planetary Sciences, The Johns Hopkins University Baltimore, MD, USA |
| Sep. 2003 - May 2009 | Research and Teaching Assistant Division of Meteorology and Physical Oceanography, University of Miami Miami, FL, USA |
| Jun. 2003 - Aug. 2003 | Environmental Consultant EcoFovea S.r.l. Foggia, Italy Environmental Impact Assessment of a polifunctional platform for the treatment of special and dangerous wastes, declared environmentally compatible by local authorities (Bollettino Regionale della Regione Puglia, BURP n. 75, 18/05/2005, pp. 7621-7626) |
| Dec. 2002 - Jun. 2003 | Research Assistant Consiglio Nazionale delle Ricerche (CNR), Istituto di Oceanografia Fisica (IOF) Pozzuolo di Lerici (SP), Italy Analysis of coastal data from the SINAPSI project |
| Jun. 2002 - Nov. 2002 | Research Assistant Stazione Zoologica Anton Dohrn Naples, Italy Analysis of the possible relations between plankton and climatological data from the SINAPSI project |

TEACHING EXPERIENCES

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| Summer 2023, A.Y. 2022-2023 | Fixed-term Contract Professor Course: Mixing processes in air and sea University of Genoa, Genoa, Italy |
| Summer 2022, A.Y. 2021-2022 | Fixed-term Contract Professor Course: Mixing processes in air and sea University of Genoa, Genoa, Italy |
| Summer 2021, A.Y. 2020-2021 | Fixed-term Contract Professor Course: Mixing processes in air and sea University of Genoa, Genoa, Italy |
| Summer 2020, A.Y. 2019-2020 | Fixed-term Contract Professor Course: Mixing processes in air and sea University of Genoa, Genoa, Italy |
| Fall 2018, A.Y. 2018-2019 | Fixed-term Contract Professor Course: Dispersion Processes in the Environmental Engineering University of Genoa, Genoa, Italy |
| Fall 2017, A.Y. 2017-2018 | Fixed-term Contract Professor Course: Dispersion Processes in the Environmental Engineering, Module 2 University of Genoa, Genoa, Italy |
| Summer 2017, A.Y. 2016-2017 | Fixed-term Contract Professor Course: Environmental Fluid Dynamics, Module 2 University of Genoa, Genoa, Italy |
| Summer 2015, A.Y. 2014-2015 | Fixed-term Contract Professor Course: Environmental Fluid Dynamics University of Genoa, Genoa, Italy |
| Fall 2008 | Teaching Assistant Course: Computer Models in Fluid Dynamics, MPO662, taught by Prof. Mohamed Iskandarani University of Miami, Miami, FL, USA |
| Fall 2008 | Teaching Assistant Course: Scientific Programming for Atmospheric Science, MSC321, taught by Prof. Mohamed Iskandarani University of Miami, Miami, FL, USA |
| Fall 2006 | Teaching Assistant Course: Scientific Programming for Atmospheric Science, MSC321, taught by Prof. Mohamed Iskandarani University of Miami, Miami, FL, USA |

POSTDOC AND RESEARCH FELLOW ADVISING

Dr. Eléonore Cambra
PostDoctoral Research
Fellow, 2023 - current

Co-advisor

Development of tools for maritime spatial planning and management of marine protected areas that include scenarios of climate change
Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia, Pozzuolo di Lerici (SP), Italy

Dr. Roberta Sciascia
PostDoctoral Research
Fellow, 2015 - 2018

Advisor

Development of high-resolution numerical models, both hydrostatic and non-hydrostatic, for the Eastern Ligurian Sea and assessment of the impact of submesoscale processes on connectivity
Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia, Pozzuolo di Lerici (SP), Italy

Dr. Michol Ghezzi
PostDoctoral Research
Fellow, 2013 - 2016

Advisor

Environmental and fishery data analysis for ecological modelling and coastal management
Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia, Pozzuolo di Lerici (SP), Italy

Ms. Lina Porciello
Research Fellow, 2013 - 2015

Advisor

Modelling hydrodynamics and water quality in the Gulf of La Spezia
Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia, Pozzuolo di Lerici (SP), Italy

THESIS AND DISSERTATION ADVISING

8) Moein Doost Mohammadi
Ph.D. in in Civil and Environmental Engineering, 2021 (XXXVII cycle)

Co-advisor

Thesis: Numerical simulation of ocean currents in the Northern Mozambique Channel
University of Genoa, Genoa, Italy

7) Alessandro Alabiso
M.Sc. Environmental Engineering, 2021

Advisor

Thesis: Dispersion and biodegradation processes around a marine offshore fish farm
University of Genoa, Genoa, Italy

Updates on Alessandro

-) In 2021 Alessandro joined the DHI group in Italy

6) Camille Mazoyer
Ph.D. in the École Doctorale 548 - Mer et Sciences, 2019

Ph.D. Committee Member and President of the defense

Thesis: Modelling fluxes and transport of the pollutants within the Toulon Bay [Modélisation des flux et du transport de polluants dans la rade de Toulon]

Université de Toulon, Toulon, France

Updates on Camille

-) In 2019 Camille won a permanent position at the Institut de Recherche pour le Développement

5) Stefano Putzu
M.Sc. in Civil and Environmental Engineering, 2015

Co-advisor

Thesis: Hydrodynamics and dispersion processes in closed basins. Development of test cases with ROMS [Idrodinamica e processi di dispersione in bacini idrici confinati. Sviluppo di casi test con ROMS]
University of Genoa, Genoa, Italy

Updates on Stefano

-) Stefano won a scholarship for pursuing his Ph.D. in "Fluid dynamics and Environmental Engineering" at the University of Genoa

-) Stefano got his Ph.D. in 2019 and is currently working in his family business

4) Elisa Cozzani
M.Sc. in Civil and Environmental Engineering, 2015

Co-advisor

Thesis: Numerical modelling of coastal circulation in the eastern Ligurian region [Modellazione numerica della circolazione costiera del Levante Ligure]
University of Genoa, Genoa, Italy

Updates on Elisa

-) Elisa won the 2016 AIOM Best Thesis Award. Check out the motivation for the AIOM Award

-) Elisa got her Ph.D. in "Future Earth, climate change and societal challenges" at the University of Bologna in 2023 and is now a Research Fellow at the NATO - Centre for Maritime Research and Experimentation

3) Mattia Almansi
M.Sc. in Marine Sciences, 2015

Co-advisor

Thesis: Dynamics and dispersion around a rectangular headland: the Promontorio of Portofino [Circolazione e dispersione attorno ad un promontorio rettangolare: il caso del Promontorio di Portofino]
University of Genoa, Genoa, Italy

Updates on Mattia

-) In 2020 Mattia got his Ph.D. in the Morton K. Blaustein Department of Earth and Planetary Sciences of The Johns Hopkins University

-) In 2020 Mattia moved in Southampton as a PostDoc fellow at the National Oceanographic Center

-) In 2022 Mattia joined B-Open as Scientific Software Engineer

2) Daniele Lagomarsino
M.Sc. in Physics, 2014

Co-advisor

Thesis: Multiple-scale perturbation methods for large-scale transport

problems and application to an ocean model [Sviluppi perturbativi a scale multiple per problemi di trasporto a grande scala ed applicazione in un modello oceanografico]

University of Genoa, Genoa, Italy

Updates on Daniele

-) Daniele got his Ph.D. in "Fluid dynamics and processes in Environmental Engineering" in 2018 at the University of Genoa

-) In 2018 Daniele was a PostDoc Fellow in the Non-linear and off-balance physics Team of the Université Côte d'Azur

-) In 2019 Daniele was a PostDoc Fellow at the Italian Institute of Technology

-) In 2020 Daniele was a PostDoc Fellow at the University of Genoa

-) In 2023 Daniele joined our lab at Consiglio Nazionale delle Ricerche (CNR), Istituto delle Scienze Marine (ISMAR), Sede di La Spezia as a Fixed-term Contract Researcher

1) Laura Cimoli
M.Sc. in Marine Sciences,
2013

Co-advisor

Thesis: A numerical approach to assess dispersion processes: the case of the Gulf of Trieste [Studio dei processi dispersivi mediante modellistica numerica: il caso del Golfo di Trieste]

University of Genoa, Genoa, Italy

Updates on Laura

-) Laura won the 2013 Alain Vatrican RAMOGE Prize

Check out different articles [English 1 | English 2 | Italian]

-) Laura is doing an internship at the Laboratoire de Physique des Océans in Brest

-) Laura won a scholarship for pursuing her Ph.D. at the University of Oxford and joined the Hertford College

-) Laura joined Prof. David Marshall's group at Oxford

-) Laura got her Ph.D. in Physical Oceanography at the University of Oxford in 2020 and moved as a Research Associate at the Scripps Institution of Oceanography

-) Check out her new webpage

PROJECTS AND EXTERNAL FUNDING

Nov. 2022 - current

JERICO national representative and PI of the Operative Unit for CNR-ISMAR Lerici, ITINERIS - "Italian Integrated Environmental Research Infrastructures System", NextGeneration, Recovery plan for Europe Programme, PNRR - Mission 4 "Education and Research" - Component 2: "From research to business" - Investment 3.1: "Fund for the realisation of an integrated system of research and innovation infrastructures"

Budget: €2,991,352.29

Oct. 2022 - current

Participation, RAISE - "Robotics and AI for socio-economic empowerment", NextGeneration, Recovery plan for Europe Programme, PNRR - Mission 4 "Education and Research" - Component 2: "From research to business" - Investment 1.5: "Creating and strengthening innovation ecosystems building local Research and Development leaders"

Aug. 2022 - current

NW-Med test site co-leader and PI for CNR-ISMAR Lerici, MSP4BIO - "Improved Science-Based Maritime Spatial Planning to Safeguard and Restore Biodiversity in a coherent European MPA network", Horizon Europe Programme, HORIZON-CL6-2021-BIODIV-01 action grant

Budget: €113,750.00

Oct. 2020 - current

PI for CNR-ISMAR, JERICO-DS - "Joint European Research Infrastructure of Coastal Observatories - Design Study", H2020 European Programme, H2020-INFRADEV-01-2019-2020 Research and Innovation action

Budget: €193,687.50

Sep. 2020 - current

Participation, FACTS - "Fluxes and fate of Microplastics in Northern European Waters", JPI Ocean Programme, Ecological Aspects of Microplastics Joint Action

Jun. 2021 - current

Participation, SINBAD 2.0 - "Servizi per la Navigazione e Attività Marittime", POR-CRO Fondo Sociale Europeo Regione Liguria 2014-2020 Asse 1 Ricerca e Innovazione

Feb. 2020 - current

Participation, JERICO-S3 - "Joint European Research Infrastructure of Coastal Observatories: Science, Service, Sustainability", H2020 European Programme, H2020-INFRAIA-01-2018-2019 Research and Innovation action

Apr. 2019 - Jan. 2023

PI for CNR-ISMAR, SINAPSI - "assistenza in Sicurezza alla Navigazione per l'Accesso ai Porti in Sicurezza", Interreg Italy-France Marittimo 2014-2020 European Programme

Budget: €575,025.00

Jun. 2018 - Sep. 2022

PI for CNR, SICOMAR plus - "Sistema transfrontaliero per la sicurezza in mare contro i rischi della navigazione e per la salvaguardia dell'ambiente MARino - plus", Interreg Italy-France Marittimo 2014-2020 European Programme

Budget: €746,109.08

Mar. 2017 - Oct. 2020

Project coordinator and leading PI, IMPACT - "Impatto Portuale su aree marine protette: Azioni Cooperative Transfrontaliere", Interreg Italy-France Marittimo 2014-2020 European Programme

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| | Budget: €1,932,234.85 |
| Sep. 2015 - Sep. 2019 | Participation , JERICO-NEXT - "Joint European Research Infrastructure network for Coastal Observatory, Novel European eXpertise for coastal observatories", H2020 European Programme, H2020-INFRAIA-2014-2015 Research and Innovation action |
| May 2013 - Sep. 2015 | Project coordinator , MHYWAQ-MCA - "Modelling Hydrodynamics and Water Quality in Marine and Coastal Areas", POR-CRO Fondo Sociale Europeo Regione Liguria 2007-2013 Asse IV Capitale Umano Budget: €52,000.00 |
| Jan. 2012 - Dec. 2015 | PI of the Operative Unit SP2-WP2-AZ1-U08 , RITMARE - "La Ricerca Italiana per il MARE", National Flagship Research Programme funded by the Italian Ministry of University and Research Budget: €327,726.70 |
| Sep. 2011 - Feb. 2013 | Participation , TOSCA - "Tracking Oil Spills & Coastal Awareness network", Interreg European MED Programme |

CRUISES

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|-------------------------|---|
| July-August 2012 | 2nd TOSCA Project Cruise R/V Urania, Tyrrhenian and Ligurian Seas CTD casts with LADCP, deployment and recovery of Lagrangian drifters, deployment and recovery of moorings in the Corsica and Sicilian channels, deployment and recovery of underwater cameras Chief Scientists: Mireno Borghini and Enrico Zambianchi |
| December 2011 | 1st TOSCA Project Cruise R/V Urania, Ligurian Sea CTD casts with LADCP, deployment and recovery of Lagrangian drifters Chief Scientists: Anne Molcard and Mireno Borghini |
| August 2011 | FHL Summer School R/V Centennial and small boats, Puget Sound, WA, USA CTD casts, deployment and recovery of ADCPs Chief Scientists: Parker MacCready and Rocky Geyer |

COMPUTER KNOWLEDGE

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| Hardware Platforms: | Workstation, PC, High Performance Computing clusters |
| Operative Systems: | LINUX, Windows, UNIX, DOS |
| Languages: | <i>Programming:</i> FORTRAN90/77; Visual FORTRAN; Python; <i>Scripting:</i> bash, tcsh, csh. <i>Writing:</i> LaTeX, HTML, CSS |
| Applications: | ODV; GrADS; Matlab; MS Office |
| Ocean Models: | MITgcm; ROMS; HYCOM; POM; OpenFOAM; Delft3D |

COURSES

| | |
|---------------------------------|--|
| 1 February-30 April 2015 | University of Michigan: <i>Programming for everybody (Python)</i> , Massive Online Open Course offered through Coursera [view verified certificate PDF] |
| 2-6 July 2012 | University of Genoa: <i>An introduction to OpenFoam</i> , Genoa, Italy |
| 19-23 September 2011 | Université du Sud, Toulon - Var: <i>Coastal Dynamics Modeling 2011 Summer School</i> , La Londe-Les-Maures, France |
| 17 July-19 August 2006 | University of Washington, Friday Harbor Laboratories: <i>Estuarine and Coastal Fluid Dynamics Summer School</i> , San Juan Islands, WA, USA |
| 20-30 September 2004 | International Summer School of Oceanography: <i>An Integrated View of Oceanography: Ocean Weather Forecasting in the 21st Century</i> , Lalonde Les Maures, France |
| 5-6 July 2001 | Course promoted by CILEA (Lombard Interuniversitarian Consortium for the Automatic Elaboration): <i>The FORTRAN 90 for the Intensive Scientific Calculation</i> , Milan, Italy |

CONFERENCES AND WORKSHOPS

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| 12-14 June 2019 | Journées Scientifiques LEFE/GMMC2019, Toulon, France |
| 12 December 2018 | Evento di lancio del progetto GEREMIA, Genoa, Italy |
| 22 November 2018 | Evento di lancio del progetto SICOMAR plus, Leghorn, Italy |
| 15 November 2018 | Evento Annuale Programma Italia-Francia Marittimo, Florence, Italy |
| 9 November 2018 | Conferenza intermedia del progetto IMPACT, Toulon, France |
| 19 September 2018 | Evento di lancio del progetto SPLasH!, Genoa, Italy |
| 5 June 2018 | Progetto SE.D.RI.PORT, La modellistica per la gestione e la protezione dell'ambiente marino, La Spezia, Italy |
| 10-11 April 2018 | 12es Journée Scientifique de l'Université de Toulon, Toulon, France |
| 16 November 2017 | Evento Annuale Programma Italia-Francia Marittimo, Genoa, Italy |
| 27 May 2017 | Giornata Europea del Mare 2017, La Spezia, Italy |
| 19 May 2017 | Evento di lancio del progetto IMPACT, Florence, Italy |
| 11 January 2017 | Evento di presentazione Programma Italia-Francia Marittimo, Savona, Italy |
| 13-15 September 2016 | INCREASE HF Radar Experts Workshop Meeting, Lerici (SP), Italy |
| 27 April 2016 | L'eau en Méditerranée: un projet porté par l'Association de Recherche et de Coopération Euro-Méditerranée, Toulon, France |
| 26 April 2016 | 2e Journée Scientifique du programme PREVENT, Toulon, France |
| 30 March - 1 April 2016 | 13th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Lerici (SP), Italy |
| 3-4 December 2015 | Copernicus Marine Environment Monitoring Service (CMEMS) regional user and training workshop, La Spezia, Italy |
| 5-6 November 2015 | H2020 Canada-Europe Working Session on Oceans, Barcelona, Spain |
| 20-21 October 2015 | SICOMAR final meeting, Leghorn, Italy |
| 19 June 2015 | Il Tigullio è anche Mare! Meeting, Auditorium San Francesco, Chiavari (GE), Italy |
| 15 January 2015 | SICOMAR meeting: Nuove tecnologie per la sicurezza e la gestione del mare, Genoa, Italy |
| 20 May 2014 | Observing the Seas Meeting, Terminal Crociere, La Spezia, Italy |
| 13-15 May 2014 | ESF Exploratory Workshop: Oceanic Heat Transport To Floating Glaciers In Antarctica, Lerici (SP), Italy |
| 23-28 February 2014 | 2014 Ocean Sciences Meeting, Honolulu, HI, USA |
| 17 October 2013 | SICOMAR kick-off meeting, Florence, Italy |
| 25-27 March 2013 | 6th TOSCA Meeting, La Spezia, Italy |
| 8-10 October 2012 | 10th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Lerici (SP), Italy |
| 7-10 May 2012 | 4th TOSCA Meeting, Alexandroupolis, Greece |
| 20-24 February 2012 | 2012 Ocean Sciences Meeting, Salt Lake City, UT, USA |
| 9-11 November 2011 | "Thermohaline Overturning - at Risk? (THOR)" 3rd Annual Meeting, Bergen, Norway |
| 8 November 2011 | 9th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Bergen, Norway |
| 13 May 2011 | 2011 CEAFM-Burgers Research Symposium, Baltimore, MD, USA |
| 20-22 October 2010 | 14th Arctic Ocean Intercomparison Model Project (AOIMP) Meeting, Woods Hole, MA, USA |
| 18-19 October 2010 | 8th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Woods Hole, MA, USA |
| 28 May 2010 | 2010 CEAFM-Burgers Research Symposium, College Park, MD, USA |
| 24-25 May 2010 | 2010 Atmosphere-Ocean Science Days., College Park, MD, USA |
| 22-26 February 2010 | 2010 Ocean Sciences Meeting, Portland, OR, USA |
| 28-30 October 2009 | CLIVAR - Ocean Climate Model Development Meeting, Princeton, NJ, USA |
| 2-7 March 2008 | 2008 Ocean Sciences Meeting, Orlando, FL, USA |
| 1-3 October 2007 | 2007 ROMS/TOMS Users Workshop, Los Angeles, CA, USA |
| 13-16 November 2006 | 5th International Workshop, Unstructured Grid Numerical Modelling of Coastal Shelf and Oceanic Flows, Miami, FL, USA |
| 14-16 February 2006 | 2006 LOM Meeting, Miami, FL, USA |
| 6-8 December 2005 | HYCOM NOPP GODAE Meeting, Miami, FL, USA |
| 26-28 January 2005 | 2005 LOM Meeting, Miami, FL, USA |
| 27-29 October 2004 | HYCOM NOPP GODAE Meeting, Miami, FL, USA |
| 13-15 May 2002 | Second National Conference of SINAPSI (Seasonal, INterannual and decAdal variability of the atmosPhere, oceanS and related marIne ecosystems), Portonovo (AN), Italy |
| 23-24 March 2000 | First International AISA (Italian Environmental Sciences Association) Congress: <i>About an environmental citizenship: perception, communication and education</i> , Venice, Italy |

SCIENTIFIC WORKS

REFEREED ISI/JCR PAPERS IN JOURNALS WITH ISSN

2023

34) Bandoni M., Moore A. M., Molcard A., **Magaldi M. G.**, Fattorini M., Brandini C., 2023. *4D-Var data assimilation and observation impact on surface transport of HF-Radar derived surface currents in the North-Western Mediterranean Sea*. Ocean Modell., 184, 102236, doi:10.1016/j.ocemod.2023.102236 (ISSN: 1463-5003).

[published version | preprint | BibTeX entry]

2022

33) Sciascia R., Guizien K., **Magaldi M. G.**, 2022. *Larval dispersal simulations and connectivity predictions for Mediterranean gorgonian species: sensitivity to flow representation and biological traits*. ICES J. Mar. Sci., 79 (7), pp. 2043-2054, doi:10.1093/icesjms/fsac135 (Online ISSN: 1095-9289, Print ISSN: 1054-3139).

[published version | preprint | BibTeX entry]

32) Reyes E., Aguiar E., Bandoni M., Berta M., Brandini C., Cáceres-Euse A., Capodici F., Cardin V., Cianelli D., Ciraolo G., Corgnati L., Dadić V., Doronzo B., Drago A., Dumas D., Falco P., Fattorini M., Fernandes M. J., Gauci A., Gómez R., Griffa A., Guérin C.-A., Hernández-Carrasco I., Hernández-Lasheras J., Ličer M., Lorente P., **Magaldi M. G.**, Mantovani C., Mihanović H., Molcard A., Mourre B., Révelard A., Reyes-Suárez C., Saviano S., Sciascia R., Taddei S., Tintoré J., Toledo Y., Uttieri M., Vilibić I., Zambianchi E., Orfila A., 2022. *Coastal high-frequency radars in the Mediterranean – Part 2: Applications in support of science priorities and societal needs*. Ocean Sci., 18 (3), pp. 797-837, doi:10.5194/os-18-797-2022 (Online ISSN: 1812-0792, Print ISSN: 1812-0784).

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31) Lorente P., Aguiar E., Bandoni M., Berta M., Brandini C., Cáceres-Euse A., Capodici F., Cianelli D., Ciraolo G., Corgnati L., Dadić V., Doronzo B., Drago A., Dumas D., Falco P., Fattorini M., Gauci A., Gómez R., Griffa A., Guérin C.-A., Hernández-Carrasco I., Hernández-Lasheras J., Ličer M., **Magaldi M. G.**, Mantovani C., Mihanović H., Molcard A., Mourre B., Orfila A., Révelard A., Reyes E., Sánchez J., Saviano S., Sciascia R., Taddei S., Tintoré J., Toledo Y., Ursella L., Uttieri M., Vilibić I., Zambianchi E., Cardin V., 2022. *Coastal high-frequency radars in the Mediterranean – Part 1: Status of operations and a framework for future development*. Ocean Sci., 18 (3), pp. 761-795, doi:10.5194/os-18-761-2022 (Online ISSN: 1812-0792, Print ISSN: 1812-0784).

[published open access version | BibTeX entry]

2020

30) von Schuckmann K., Le Traon P.-Y., Smith N., Pascual A., Djavidnia S., Gattuso J.-P., Grégoire M., Nolan G., Aaboe S., Fanjul E. Á., Aouf L., Aznar R., Badewien T. H., Behrens A., Berta M., Bertino L., Blackford J., Bolzon G., Borile F., Bretagnon M., Brewin R. J. W., Canu D., Cessi P., Ciavatta S., Chapron B., Trang Chau T. T., Chevallier F., Chtirkova B., Ciliberti S., Clark J. R., Clementi E., Combet C., Comerma E., Conchon A., Coppini G., Corgnati L. P., Cossarini G., Cravatte S., de Alfonso M., de Boyer Montégut C., De Lera Fernández C., de los Santos F. J., Denvil-Sommer A., de Pascual Collar Á., Dias Nunes P. A. L., Di Biagio V., Drudi M., Embury O., Falco P., d'Andon O. F., Ferrer L., Ford D., Freund H., León M. G., Sotillo M. G., García-Valdecasas J. M., Garnesson P., Garric G., Gasparin F., Gehlen M., Genua-Olmedo A., Geyer G., Ghermandi A., Good S. A., Gourrion J., Greiner E., Griffa A., González M., Hernández-Carrasco I., Isoard S., Kennedy J. J., Kay S., Korosov A., Laanemäe K., Land P. E., Lavergne T., Lazzari P., Legeais J.-F., Lemieux B., Levier B., Llovel W., Lyubartsev V., Lien V. S., Lima L., Lorente P., Mader J., **Magaldi M. G.**, Mangin A., Maljutenko I., Mantovani C., Marinova V., Masina S., Mauri E., Meyerjürgens J., Mignot A., McEwan R., Mejia C., Melet A., Menna M., Meyssignac B., Mouche A., Mourre B., Müller M., Notarstefano G., Pardo S., Orfila A., Peneva E., Pérez-Gómez B., Perruche C., Peterlin M., Poulain P.-M., Pinarid N., Quilfen Y., Raudsepp U., Renshaw R., Révelard A., Reyes-Reyes E., Ricker M., Rodríguez-Rubio P., Rotllán P., Gelabert E. R., Rubio A., Ruiz-Parrado I., Sathyendranath S., She J., von Schuckmann K., Solidoro C., Stanev E. V., Staneva J., Storto A., Su J., Bakhsh T. T., Tilstone G. H., Tintoré J., Toledano C., Tournadre J., Tranchant B., Uiboupin R., Valcarcel A., Valcheva N., Verbrugge N., Vrac M., Wolff J.-O., Zambianchi E., Zielinski O., Zunino S., 2020. *Copernicus Marine Service Ocean State Report, Issue 4*. J. Oper. Oceanogr., 13 (S1), pp. S1-S172, doi:10.1080/1755876X.2020.1785097 (ISSN: 1755-876X).

[published open access version | BibTeX entry]

29) Mazoyer C., Vanneste H., Dufresne C., Ourmières Y., **Magaldi M. G.**, Molcard A., 2020. *Impact of wind-driven circulation on contaminant dispersion in a semi-enclosed bay*. Estuar. Coast. Shelf Sci., 233, 106529, doi:10.1016/j.ecss.2019.106529 (ISSN: 0272-7714).

[published version | preprint | BibTeX entry]

2019

28) Enrile F., Besio G., Stocchino A., **Magaldi M. G.**, 2019. *Influence of initial conditions on absolute and relative dispersion in semi-enclosed basins*. PLoS One, 14 (7), e0217073, doi:10.1371/journal.pone.0217073 (eISSN: 1932-6203).

[published open access version | BibTeX entry]

27) Sciascia R., **Magaldi M. G.**, Vetrano A., 2019. *Current reversal and associated variability within the Corsica Channel: the 2004 case study*. Deep Sea Res. I, 144 (2), pp. 39-51, doi:10.1016/j.dsr.2018.12.004 (ISSN: 0967-0637).

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2018

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- April 2018** - Fraser N. J., Inall M. E., **Magaldi M. G.**, Haine T. W. N., Jones S. C., *Wintertime fjord-shelf interaction in Southeast Greenland*, 2018 European Geosciences Union General Assembly, Vienna, Austria [view abstract PDF]
- April 2018** - **Magaldi M. G.**, *The IMPACT project*, 12es Journée Scientifique, University of Toulon, Toulon, France
- November 2017** - Almansi M., Haine T. W. N., Pickart R. S., **Magaldi M. G.**, Gelderloos R., Mastropole D., *Variability in circulation and hydrography in the Denmark Strait*, Irminger Sea Regional Science Workshop, Southampton, UK
- August 2017** - Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, *Mesoscale mixing of the Denmark Strait Overflow in the Irminger Basin*, 2017 IAPSO/IAMAS/IAGA Joint Assembly, Cape Town, South Africa
- August 2017** - Almansi M., Haine T. W. N., Pickart R. S., **Magaldi M. G.**, Gelderloos R., Mastropole D., *Variability in circulation and hydrography in the Denmark Strait*, 2017 IAPSO/IAMAS/IAGA Joint Assembly, Cape Town, South Africa
- May 2017** - **Magaldi M. G.**, *Il progetto Impatto Portuale su aree marine protette: Azioni Cooperative Transfrontaliere [The IMPACT project, port impacts on marine protected areas: transnational cooperative actions]*, Evento di lancio del progetto IMPACT, Florence, Italy
- May 2017** - Sciascia R., **Magaldi M. G.**, *Modelli numerici per esplorare il mare: la componente modellistica di ISMAR-CNR [Numerical models to explore the sea: the modelling component within ISMAR-CNR]*, Giornata Europea del Mare 2017, La Spezia, Italy
- May 2017** - Gelderoos R., Haine T. W. N., Koszalka I. M., **Magaldi M. G.**, *Seasonal variability in warm-water inflow towards Kangerdlugssuaq Fjord*, 2017 US AMOC Science Team Meeting, Santa Fe, NM, USA
- April 2017** - Griffa A., Carlson D. F., Berta M., Sciascia R., Corgnati L. P., Mantovani C., Fredji E., **Magaldi M. G.**, Zambianchi E., Poulain P.-M., Russo N., Carniel S., *Surface Lagrangian transport in the*

Adriatic Sea (Mediterranean Sea) from drifters, HF radar and models: implications for fishery and Marine Protected Areas, 2017 European Geosciences Union General Assembly, Vienna, Austria [view abstract PDF]

March 2017 - Gelderloos R., Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, *Seasonal variability in warm-water inflow towards Kangerdlugssuaq Fjord*, 14th ASOF ISSG Meeting, Sopot, Poland

March 2017 - Almansi M., Haine T. W. N., Pickart R. S., **Magaldi M. G.**, Gelderloos R., Mastropole D., *Variability in circulation and hydrography in the Denmark Strait*, 14th ASOF ISSG Meeting, Sopot, Poland

February 2017 - Gelderoos R., Haine T. W. N., Koszalka I. M., **Magaldi M. G.**, *Seasonal variability in warm-water inflow towards Kangerdlugssuaq Fjord*, 2017 Community Earth System Model Working Group Meeting, Boulder, CO, USA

September 2016 - Haine T. W. N., Koszalka I. M., Gelderoos R., **Magaldi M. G.**, *Ocean and cryosphere interactions: Pathways and variability of warm Atlantic Water inflow toward the South-East Greenland marine-terminating glaciers*, 2016 CLIVAR Open Science Conference, Qingdao, China [view abstract PDF]

September 2016 - Suaria G., Avio C. G., **Magaldi M. G.**, Regoli F., Aliani S., *Abundance and composition of floating microplastics in the Central-Western Mediterranean Sea*, 7th Late Summer Workshop on Microplastics in the aquatic environment, Haltern am See, Germany [view abstract PDF]

April 2016 - **Magaldi M. G.**, *High-resolution modeling and effects on dispersion of substances at sea*, 2e Journée Scientifique du programme PREVENT, University of Toulon, Toulon, France

April 2016 - **Magaldi M. G.**, *The Interreg Marittimo submitted project IMPACT*, L'eau en Méditerranée: un projet porté par l'Association de Recherche et de Coopération Euro-Méditerranée, University of Toulon, Toulon, France

December 2015 - Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, *Warm Atlantic inflow toward the Helmholtz-Sermilik glacier-fjord system, South-East Greenland: Insights from a high-resolution Eulerian-Lagrangian model study*, 2015 AGU Fall Meeting, San Francisco, CA, USA [view abstract HTML]

October 2015 - **Magaldi M. G.**, *Radar costieri: dalla reti nazionali a quelle transnazionali [Coastal radars: from national to transnational networks]*, SICOMAR final meeting, Leghorn, Italy

July 2015 - Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, *Mesoscale modulation of mixing and transformation of the Denmark Strait Overflow*, 26th IUGG General Assembly, Prague, Czech Republic

May 2015 - Corgnati L. P., Mazzei L., Marini S., Isoppo B., Ottaviani E., Besio G., **Magaldi M. G.**, *High resolution stereo imaging of sea waves for validation and optimization of wave modelling*, MTS/IEEE OCEANS'15 Meeting, Genoa, Italy

May 2015 - Enrile F., Besio G., **Magaldi M. G.**, Cosoli S., Gerin R., Poulain P.-M., *Lagrangian Coherent Structures deduced from HF-Radar measurements*, MTS/IEEE OCEANS'15 Meeting, Genoa, Italy

May 2015 - Corgnati L. P., Mantovani C., Griffa A., Bellomo L., Carlson D. F., **Magaldi M. G.**, Berta M., Paziienza G., D'Adamo R., *The ISMAR High Frequency Coastal Radar Network: monitoring surface currents for management of marine resources*, MTS/IEEE OCEANS'15 Meeting, Genoa, Italy

April 2015 - Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, *Spatial localization and mesoscale modulation of mixing and transformation of the Denmark Strait Overflow*, 2015 European Geosciences Union General Assembly, Vienna, Austria [view abstract PDF]

January 2015 - Berta M., Griffa A., **Magaldi M. G.**, Özgökmen T. M., Poje A., Haza A., Olascoaga J., Coelho E., Iskandarani M., Novelli G., Mariano A., Ryan E., Beron-Vera F. J., Jacobs G., Haus B., Reniers A., Huntley H., Lipphardt B., Kirwan D., *Improved surface transport estimates in the Gulf of Mexico by blending altimetry and drifter data*, 2015 Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, TX, USA [view abstract PDF]

October 2014 - Carlson D. F., Mantovani C., Corgnati L. P., Paziienza G., **Magaldi M. G.**, Bellomo L., Griffa A., D'Adamo R., Zambianchi E., Celentano P., *HF radar and drifter observing system in the Adriatic for fishery management and security*, 7th EuroGOOS Conference, Lisbon, Portugal

September 2014 - **Magaldi M. G.**, Haine T. W. N., Koszalka I. M., Pickart R. S., von Appen W.-J., *How important are dense waters cascading off the East Greenland shelf?*, Seminar series by the Bjerknes Centre for Climate Research, Bergen, Norway [view abstract HTML]

September 2014 - Enrile F., Besio G., **Magaldi M. G.**, Cosoli S., Poulain P.-M., *Barriera Lagrangiana superficiale nel Golfo di Trieste [Surface Lagrangian barriers in the Gulf of Trieste]*, XXXIV Convegno di Idraulica e Costruzioni Idrauliche, Politecnico di Bari, Bari, Italy [view abstract PDF]

May 2014 - **Magaldi M. G.**, Haine T. W. N., *Hydrostatic and non-hydrostatic simulations of dense waters cascading off a shelf: the East Greenland case*, ESF Exploratory Workshop: Oceanic Heat Transport To Floating Glaciers In Antarctica, Lerici (SP), Italy

February 2014 - **Magaldi M. G.**, Haine T. W. N., *Hydrostatic and non-hydrostatic simulations of dense waters cascading off a shelf: the East Greenland case*, 2014 Ocean Sciences Meeting, Honolulu, HI, USA [view abstract HTML]

January 2014 - Berta M., Griffa A., **Magaldi M. G.**, Poje A., Novelli G., Haza A., Özgökmen T. M., Olascoaga J., Iskandarani M., Jacobs G., Coelho E., Lipphardt B., Kirwan D., Mariano A., Huntley H., Ryan E., Beron-Vera F. J., Haus B., Reniers A., Bogucki D., *Velocities and Lagrangian transport estimates from GLAD data clustering at various scales via the Lagrangian assimilation algorithm LAVA*, 2014 Gulf of Mexico Oil Spill and Ecosystem Science Conference, Mobile, AL, USA [view abstract PDF]

January 2014 - Carlson D. F., Griffa A., **Magaldi M. G.**, Bellomo L., Borghini M., Zambianchi E., Molcard A., Russo N., Carniel S., Poulain P.-M., *Transit times from COCOPRO drifters and connectivity implication for Adriatic MPAs*, COCONET-PERSEUS General Assembly Meetings, Athens, Greece

January 2014 - **Magaldi M. G.**, *Il ruolo dei processi a piccola scala nel mescolamento delle masse d'acqua e nel trasporto delle sostanze in mare [The role of small-scale processes in water mass mixing and transport of substances at sea]*, CNR-ISMAR Venezia Seminars, Venice, Italy

December 2013 - Besio G., Enrile F., **Magaldi M. G.**, Mantovani C., Cosoli S., Gerin S., Poulain P.-M., *Lagrangian Coherent Structures in the Trieste gulf*, 2013 AGU Fall Meeting, San Francisco, CA, USA [view abstract HTML]

November 2013 - **Magaldi M. G.**, *How important are small scales in the ocean?*, Seminar cycle by the

May 2013 - Berta M., [Griffa A.](#), [Magaldi M. G.](#), Poje A., Haza A., Özgökmen T. M., Olascoaga J., Iskandarani M., Jacobs G., Coelho E., Lipphardt B., Kirwan D., Mariano A., Huntley H., Bryan E., Beron-Vera F. J., Haus B., Reniers A., Bogucki D., *Fusion of GLAD data with altimeter*, 1st All Hands CARTHE Meeting, Miami, FL, USA

April 2013 - Bellomo L., Berta M., Gasparini G. P., Griffa A., [Magaldi M. G.](#), Marmain J., Molcard A., Vetrano A., Béguey L., Borghini M., *Observational evidence of mesoscale variability of the Northern Current (North-Western Mediterranean Sea): a combined study via gliders, HF RADAR, surface drifters, and vessel data*, 2013 European Geosciences Union General Assembly, Vienna, Austria [view abstract PDF]

November 2012 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., Rixen M., *Regimi e dinamiche turbolente attorno ai promontori: il caso del Promontorio del Gargano [Regimes and turbulent dynamics around capes: the case of the Promontorio del Gargano]*, CNR-ISMAR Lesina Seminars, Lesina (FG), Italy

October 2012 - [Cimoli L.](#), [Magaldi M. G.](#), Mazzino A., Mantovani C., Vetrano A., Berta M., Griffa A., Cosoli S., *CODAR-forced dispersion simulations in the Gulf of Trieste*, 5th TOSCA Meeting, Trieste, Italy

October 2012 - Koszalka I. M., Haine T. W. N., [Magaldi M. G.](#), *Fates and transformation of Denmark Strait Overflow Water revealed by Lagrangian particles in a high resolution ocean model*, 10th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Lerici (SP), Italy

June 2012 - Koszalka I. M., Haine T. W. N., [Magaldi M. G.](#), *Fates and transformation of Denmark Strait Overflow Water revealed by Lagrangian particles in a high resolution ocean model*, 2012 LAPCOD Meeting, Miami, FL, USA [view abstract HTML]

May 2012 - [Magaldi M. G.](#), *Lagrangian Variational Analysis tutorial*, 4th TOSCA Meeting, Alexandroupolis, Greece

April 2012 - [Magaldi M. G.](#), Haine T. W. N., Pickart R. S., *On the nature and variability of the East Greenland Spill Jet*, 2012 European Geosciences Union General Assembly, Vienna, Austria [view abstract PDF]

April 2012 - Koszalka I. M., Haine T. W. N., [Magaldi M. G.](#), *Fates and transformation of Denmark Strait Overflow Water revealed by Lagrangian particles in a high resolution ocean model*, 2012 European Geosciences Union General Assembly, Vienna, Austria [view abstract PDF]

February 2012 - [Magaldi M. G.](#), Haine T. W. N., Pickart R. S., *On the nature and variability of the East Greenland Spill Jet*, 2012 Ocean Sciences Meeting, Salt Lake City, UT, USA [view abstract HTML]

January 2012 - [Magaldi M. G.](#), *L'importanza del cascading di acqua densa in Groenlandia Orientale [The importance of the dense water cascading off the East Greenland shelf]*, CNR-ISMAR Lerici Seminars, Lerici (SP), Italy

November 2011 - [Magaldi M. G.](#), Haine T. W. N., *Hydrostatic and non-hydrostatic simulations of the East Greenland Spill Jet*, 9th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Bergen, Norway [view HTML]

February 2011 - [Magaldi M. G.](#), Haine T. W. N., Pickart R. S., *On the nature and variability of the East Greenland Spill Jet*, POSE Seminar series, University of Delaware, Newark, DE, USA

October 2010 - [Magaldi M. G.](#), Haine T. W. N., Pickart R. S., *On the variability of the East Greenland Spill Jet in Summer 2003*, 8th Arctic-Subarctic Ocean Fluxes (ASOF) Meeting, Woods Hole, MA, USA [view HTML]

May 2010 - [Magaldi M. G.](#), Haine T. W. N., Pickart R. S., *On the variability of the East Greenland Spill Jet in Summer 2003*, Joint Burgers Research Symposium on Fluid Dynamics, University of Maryland, College Park, MD, USA [view program PDF]

May 2010 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., Rixen M., *Turbulent coherent structures near coastal capes*, Atmosphere-Ocean Science days, University of Maryland, College Park, MD, USA [view abstract HTML]

March 2010 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., Rixen M., *Dinamiche turbolente attorno ai promontori [Turbulent regimes around capes]*, CNR-ISMAR Venezia Seminars, Venice, Italy

March 2010 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., Rixen M., *Dinamiche turbolente attorno ai promontori [Turbulent regimes around capes]*, CNR-ISMAR Lerici Seminars, Pozzuolo di Lerici (SP), Italy

March 2010 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., Rixen M., *Turbulent coherent structures near coastal capes*, LOPB Séminaire, Université de la Méditerranée, Marseille, France [view abstract HTML]

October 2009 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., Rixen M., *Turbulent coherent structures near coastal capes*, CEAFM Seminar series, The Johns Hopkins University, Baltimore, MD, USA [view abstract HTML]

September 2009 - [Zambianchi E.](#), Mercatini A., Griffa A., Piterbarg L., [Magaldi M. G.](#), *Implementation of a new simple method to estimate surface velocities from satellite data and numerical models*, 2009 LAPCOD Meeting, La Londe-Les-Maures, France [view abstract HTML]

September 2009 - De Gaetano P., Doglioli A. M., Vassallo P., [Magaldi M. G.](#), *FOAM, the new degradation model coupled with the advection-lagrangian dispersion model: the impact evaluation of the fish farm waste*, 2009 LAPCOD Meeting, La Londe-Les-Maures, France [view abstract HTML]

June 2009 - Poje A. C., Haza A., Özgökmen T. M., [Magaldi M. G.](#), *Resolution and Scale Dependence of Relative Dispersion in a Hierarchy of Ocean Models*, 2009 SIAM Conference on Mathematical and Computational Issues in the Geosciences, Leipzig, Germany [view abstract HTML]

March 2008 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., *Capes and form drag: the role of stratification*, 2008 Ocean Sciences Meeting, Orlando, FL, USA [view abstract HTML]

October 2007 - [Magaldi M. G.](#), Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., *Capes and form drag: the role of stratification*, 2007 ROMS/TOMS Users Workshop, University of California, Los Angeles, CA, USA [view abstract HTML]

April 2003 - Doglioli A. M., [Magaldi M. G.](#), Griffa A., Festa R., *Numerical study of a coastal current on*

a steep slope in presence of a cape: the case of the Promontorio di Portofino, EGS-AGU-EUG Joint Assembly, Nice, France

April 2003 - Rinaldi F., Doglioli A. M., Magaldi M. G., *Indagine numerica dei fenomeni dispersivi nei siti per impianti di maricoltura in Liguria [Numerical assessment of dispersive phenomena for mariculture net-pens in the Ligurian region]*, First meeting of PhD students in ecological and environmental fields, University of Padua, Padua, Italy

October 2002 - Doglioli A. M., Magaldi M. G., Vezzulli G., *Development of a numerical model to study the dispersion of wastes coming from a marine fish farm in the Ligurian Sea (Western Mediterranean)*, Aquaculture Europe 2002 - Seafarming Today and Tomorrow, Trieste, Italy

May 2002 - Magaldi M. G., *Applicazioni di modelli numerici idrodinamici e di dispersione alla maricoltura [Applications of numerical hydrodynamical and dispersion models to mariculture]*, CNR-ISEC Seminars, Lesina (FG), Italy

POSTER PRESENTATIONS

October 2017 - Almansi M., Haine T. W. N., Pickart R. S., Magaldi M. G., Gelderloos R., Mastropole D., *Characteristics and causes of Denmark Strait Overflow transport variability*, 2017 FAMOS School and Meeting, Woods Hole, MA, USA [view poster PDF]

October 2017 - Almansi M., Haine T. W. N., Pickart R. S., Magaldi M. G., Gelderloos R., Mastropole D., *Characteristics and causes of Denmark Strait Overflow transport variability*, 2017 IDIES Annual Symposium, Baltimore, MD, USA [view poster PDF | view abstract HTML]

May 2017 - Almansi M., Haine T. W. N., Pickart R. S., Magaldi M. G., Gelderloos R., Mastropole D., *Variability in circulation and hydrography in the Denmark Strait*, 2017 US AMOC Science Team Meeting, Santa Fe, NM, USA [view poster PDF]

April 2017 - Gelderloos R., Koszalka I. M., Haine T. W. N., Magaldi M. G., *Seasonal variability in warm-water inflow towards Kangerdlugssuaq Fjord*, 2017 European Geosciences Union General Assembly, Vienna, Austria [view poster PDF]

November 2016 - Almansi M., Haine T. W. N., Gelderloos R., Magaldi M. G., Mastropole D., *Variability in circulation and hydrography in the Denmark Strait*, 2016 FAMOS School and Meeting, Woods Hole, MA, USA [view poster PDF]

May 2016 - Sciascia R., Magaldi M. G., *Connectivity pathways to Marine Protected Areas in the Western Mediterranean Sea*, 2016 GHER Colloquium, Liège, Belgium [view poster PDF]

May 2015 - Porciello L., Magaldi M. G., Griffa A., Barbolini M., Ferro F., Borghini M., *High-resolution, three-dimensional modeling of the circulation in the Gulf of La Spezia (Northwestern Mediterranean)*, MTS/IEEE OCEANS'15 Meeting, Genoa, Italy [view poster PDF]

April 2015 - Porciello L., Magaldi M. G., Griffa A., Barbolini M., Ferro F., Borghini M., *Assessing the impact of tides and winds on the circulation of the Gulf of La Spezia with high-resolution, three-dimensional simulations*, 2015 European Geosciences Union General Assembly, Vienna, Austria [view poster PDF]

October 2014 - Koszalka I. M., Haine T. W. N., Magaldi M. G., *Lagrangian pathways and transformation of Denmark Strait Overflow Water*, 2014 IDIES Annual Symposium, Baltimore, MD, USA [view poster PDF | view abstract HTML]

April 2014 - Koszalka I. M., Haine T. W. N., Magaldi M. G., *Mixing and transformation in the Denmark Strait Overflow*, 2014 European Geosciences Union General Assembly, Vienna, Austria [view poster PDF]

February 2014 - Besio G., Enrile F., Magaldi M. G., Mantovani C., Cosoli S., Gerin S., Poulain P.-M., *Reliability of LCS detection depending on HF-radar velocity dataset*, 2014 Ocean Sciences Meeting, Honolulu, HI, USA [view abstract HTML]

February 2014 - Carlson D. F., Mantovani C., Corgnati L. P., Magaldi M. G., Zambianchi E., *Lagrangian transport and connectivity in the southern Adriatic Sea from surface drifters and HF-radar observations*, 2014 Ocean Sciences Meeting, Honolulu, HI, USA [view abstract HTML]

September 2013 - Ciuffardi T., Picco P., Magaldi M. G., Grauso S., Sannino G., *Hydrodynamic and mixing variability by experimental measurements and numerical modeling*, Coast Expo 2013, Ferrara, Italy [view poster PDF in English | view poster PDF in Italian]

June 2013 - Koszalka I. M., Haine T. W. N., Magaldi M. G., *Lagrangian pathways and transformation of Denmark Strait Overflow Water in the Irminger Basin*, 19th Conference on Atmospheric and Oceanic Fluid Dynamics, Newport, RI, USA [view poster PDF | view abstract HTML]

April 2013 - Berta M., Bellomo L., Griffa A., Magaldi M. G., Marmain J., Molcard A., Taillandier V., *Assimilation of drifters' trajectories in velocity fields from coastal radar and model via the Lagrangian assimilation algorithm LAVA*, 2013 European Geosciences Union General Assembly, Vienna, Austria [view poster PDF]

April 2012 - Magaldi M. G., Haine T. W. N., *Hydrostatic and non-hydrostatic simulations of the East Greenland Spill Jet*, 2012 European Geosciences Union General Assembly, Vienna, Austria [view poster PDF]

April 2012 - Stroobant M., Locritani M., Marini D., Sabbadini L., Carmisciano C., Manzella G., Magaldi M. G., Aliani S., and the DLTM Team, *The Ligurian Cluster for Marine Technologies (DLTM): matching local research and industrial needs on oceanographic data*, 2012 European Geosciences Union General Assembly, Vienna, Austria [view poster PDF]

December 2005 - Magaldi M. G., Chassignet E. P., *Toward a natural boundary condition for the freshwater fluxes in HYCOM*, 9th HYCOM Consortium Meeting, Miami, FL, USA [view poster PDF]

September 2004 - Magaldi M. G., Doglioli A. M., Vassallo P., *Aquacultural waste dispersion modelling in Eastern Ligurian coastal waters*, GODAE International Summer School of Oceanography, Lalonde les Maures, France [view poster PDF]

April 2003 - Conversi A. M., Magaldi M. G., Fonda-Umani S., *Comparison of climate data sets for the analysis of biological time series*, EGS-AGU-EUG Joint Assembly, Nice, France [view poster PDF]

December 2002 - Magaldi M. G., Doglioli A. M., *A Lagrangian model for the dispersion of nutrients in coastal waters*, 2002 Lagrangian Analysis and Prediction of Coastal and Ocean Dynamics (LAPCOD) meeting, Key Largo, Florida, USA [view poster HTML]

REVIEWING ACTIVITY

- 16) *Journal of Marine Systems*
- 15) *Ocean Dynamics*
- 14) *Marine Technology Society Journal*
- 13) *Aquatic Conservation: Marine and Freshwater Ecosystems*
- 12) *Computational Geosciences*
- 11) *Ocean Modelling*
- 10) *Journal of Physical Oceanography*
- 9) *Ocean Science*
- 8) *Remote Sensing*
- 7) *Journal of Geophysical Research - Oceans*
- 6) *Journal of Coastal Research*
- 5) *Quarterly Journal of the Royal Meteorological Society*
- 4) *Continental Shelf Research*
- 3) *Deep Sea Research, Part I*
- 2) *Aquacultural Engineering*
- 1) *Aquaculture*

DATASETS

- 3) Berta M., Poulain P.-M., Sciascia R., Griffa A., **Magaldi M. G.**, 2021. *CARTHE drifters deployment within the DDR20 - "Drifter demonstration and Research 2020" experiment in the NW Mediterranean Sea [Data set]*. Seano, doi:10.17882/85161
[published version | BibTeX entry]
- 2) Berta M., Sciascia R., **Magaldi M. G.**, Griffa A., 2020. *Drifter deployment in the framework of the IMPACT (Port impacts on marine protected areas: transnational cooperative actions) project [Data set]*. Seano, doi:10.17882/72369
[published version | BibTeX entry]
- 1) **Magaldi M. G.**, Mantovani C., Cosoli S., 2019. *Current velocities measured by HF radars in Gulf of Trieste - April 2012 [Data set]*. Zenodo, doi:10.5281/zenodo.3245408
[published version | BibTeX entry]

POPULARIZATION

May 2019 - **Magaldi M. G.**, *Artico: un mare da esplorare e proteggere*, CREAMCAFE, Palazzo Ducale, Genoa, Italy

December 2017 - **Magaldi M. G.**, *Centro meteo europeo e Brexit: un'occasione da cogliere*, ATLANTE, Treccani, Il Portale del Sapere

April 2017 - **Magaldi M. G.**, *L'innalzamento del livello dei mari e il sensazionalismo mediatico*, ATLANTE, Treccani, Il Portale del Sapere

April 2017 - **Magaldi M. G.**, *Come si studiano le correnti marine e perché*, CREAMCAFE, Palazzo Ducale, Genoa, Italy

June 2015 - **Magaldi M. G.**, *Dinamiche delle masse d'acqua marine costiere nel Golfo del Tigullio*, Il Tigullio è anche Mare! Meeting, Auditorium San Francesco, Chiavari (GE), Italy

May 2014 - **Magaldi M. G.**, *Integrare osservazioni e modelli: l'approccio vincente per le previsioni marine nel Mar Ligure*, Observing the Seas Meeting, Terminal Crociere, La Spezia, Italy

July 2013 - **Cimoli L.**, **Mazzino A.**, **Magaldi M. G.**, *Oil spill simulation: the state of the art of the modelling approach*, RAMOGE PLCP Meeting, Montecarlo, Monaco

April 2013 - **Magaldi M. G.**, *Artico: un mare da esplorare*, Scientists and high-school students Meeting, CNR Area, Genoa, Italy

ACHIEVEMENTS

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|---------------------|--|
| 2019 | Visiting Professor at the Mediterranean Institute of Oceanography (MIO) - University of Toulon, Toulon, France |
| 2017-current | National Italian Scientific Qualification as University Associate Professor |
| 2016-current | ISMAR National Councillor |
| 2014 | Bjerknes Fellow at the Geophysical Institute, University of Bergen, Bergen, Norway |
| 2011 | Session Chair at the 2011 CEA FM-Burgers Research Symposium, The Johns Hopkins University, Baltimore, MD, USA |
| 2003-2009 | Tuition Scholarships for full time study at RSMAS/MPO, University of Miami, Miami, FL, USA |
| 2008 | Winner of the RSMAS/MPO Best Student Paper Award, University of Miami, Miami, FL, USA |
| 2005-2008 | Member of the Scientific Committee of AISA |

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|------------------|---|
| 2003 | Graduate Student Examination GRE, Analytical: 780/800, Verbal: 550/800 points |
| 2002 | Test Of English as Foreign Language TOEFL, Computer-Based Test: 267/300 points |
| 1999-2005 | National Councillor of AISA |
| 1997-1999 | President of the Genoese section of AISA |
| 1996-1998 | INPDAP Scholarships for school merits |
| 1996 | Advanced Open Water Diver (PADI Scuba Diving Course) |
| 1996 | Open Water Diver (PADI Scuba Diving Course) |
| 1994 | Intercultura (partner of American Field Service programs) Scholarship for two months at the Aquinas College, Perth, WA, Australia |
| 1994 | Certificate of Distinction in Year Eleven of the Senior Division of the Australian Mathematics Competition, Perth, WA, Australia |