

Curriculum vitae of Marcello G. Magaldi

July 2023

PERSONAL INFORMATION

Names: Marcello Gatimu
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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

Jul. 2011 - current

Marine (ISMAR), Sede di La Spezia
Pozzuolo di Lerici (SP), Italy

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 Regiona 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

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 Marittima", 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

	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-UO8 , 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

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

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

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

REFEREED ISI/JCR PAPERS IN JOURNALS WITH ISSN

2023

34) Bondoni 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., Bondoni 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., Gauci A., Gómez R., Griffo A., Guérin C.-A., Hernández-Carrasco I., Hernández-Lasheras J., Ličer M., Lorente P., **Magaldi M. G.**, Mantovani C., Mišanović 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).

[published open access version | BibTeX entry]

31) Lorente P., Aguiar E., Bondoni 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., Griffo A., Guérin C.-A., Hernández-Carrasco I., Hernández-Lasheras J., Ličer M., **Magaldi M. G.**, Mantovani C., Mišanović 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., Griffo 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., Pinardi 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).

[published version | preprint | BibTeX entry]

2018

26) Fraser N. J., Inall M. E., **Magaldi M. G.**, Haine T. W. N., Jones S. C., 2018. *Wintertime fjord-shelf interaction and ice sheet melting in Southeast Greenland*. J. Geophys. Res., 123 (12), pp. 9156-9177, doi:10.1029/2018JC014435 (ISSN: 2169-9291).

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25) Sciascia R., Berta M., Carlson D. F., Griffo A., Panfili M., La Mesa M., Corgnati L. P., Mantovani C.,

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- 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** - Gelderloos 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 Lagrangiane superficiali 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*, CEA/AFM 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

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 CEAfm-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

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