

# Curriculum vitae of Marcello G. Magaldi

July 2024

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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

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## 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 Marine \(ISMAR\), Sede di La Spezia](#)  
Pozzuolo di Lerici (SP), Italy
- Jul. 2011 - Feb. 2018** **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](#)

Jun. 2002 - Nov. 2002

Oceanografia Fisica (IOF)  
Pozzuolo di Lerici (SP), Italy  
Analysis of coastal data from the [SINAPSI](#) project

**Research Assistant**

[Stazione Zoologica Anton Dohrn](#)  
Naples, Italy

Analysis of the possible relations between plankton and climatological data from the [SINAPSI](#) project

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**TEACHING EXPERIENCES**

Summer 2024,  
A.Y. 2023-2024

**Fixed-term Contract Professor**

Course: Mixing processes in air and sea  
[University of Genoa](#), Genoa, Italy

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

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**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**

**Advisor**

**PostDoctoral Research Fellow, 2015 - 2018**

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](#)

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## THESIS AND DISSERTATION ADVISING

**9) Andrea Valli  
M.Sc. Environmental Engineering, 2024**

**Advisor**

Thesis: Dispersal processes and connectivity studies in the marine environment for the realization of Marine Protected Areas in Tanzania

[University of Genoa, Genoa, Italy](#)

**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 Oceans](#) 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](#)

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## 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

**Partecipation, 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 <b>Budget: €193,687.50</b>
<b>Sep. 2020 - current</b>	<b>Participation, FACTS</b> - "Fluxes and fAte of MiCroplastics in NorThern European WaterS", <a href="#">JPI Ocean</a> Programme, Ecological Aspects of Microplastics Joint Action
<b>Jun. 2021 - current</b>	<b>Participation, SINBAD 2.0</b> - "Servizi per la Navigazione e Attività Marittime", POR-CRO Fondo Sociale Europeo Regione Liguria 2014-2020 Asse 1 Ricerca e Innovazione
<b>Feb. 2020 - current</b>	<b>Participation, JERICO-S3</b> - "Joint European Research Infrastructure of Coastal Observatories: Science, Service, Sustainability", <a href="#">H2020 European</a> Programme, H2020-INFRAIA-01-2018-2019 Research and Innovation action
<b>Apr. 2019 - Jan. 2023</b>	<b>PI for CNR-ISMAR, SINAPSI</b> - "assistenza in Sicurezza alla Navigazione per l'Accesso ai Porti in Sicurezza", <a href="#">Interreg Italy-France Marittimo 2014-2020</a> European Programme <b>Budget: €575,025.00</b>
<b>Jun. 2018 - Sep. 2022</b>	<b>PI for CNR, SICOMAR plus</b> - "Sistema transfrontaliero per la sicurezza in mare Contro i rischi della navigazione e per la salvaguardia dell'ambiente MARino - plus", <a href="#">Interreg Italy-France Marittimo 2014-2020</a> European Programme <b>Budget: €746,109.08</b>
<b>Mar. 2017 - Oct. 2020</b>	<b>Project coordinator and leading PI, IMPACT</b> - "Impatto Portuale su aree marine protette: Azioni Cooperative Transfrontaliere", <a href="#">Interreg Italy-France Marittimo 2014-2020</a> European Programme <b>Budget: €1,932,234.85</b>
<b>Sep. 2015 - Sep. 2019</b>	<b>Participation, JERICO-NEXT</b> - "Joint European Research Infrastructure network for Coastal Observatory, Novel European eXpertise for coastal observaTories", <a href="#">H2020 European</a> Programme, H2020-INFRAIA-2014-2015 Research and Innovation action
<b>May 2013 - Sep. 2015</b>	<b>Project coordinator, MHWYWAQ-MCA</b> - "Modelling Hydrodynamics and Water Quality in Marine and Coastal Areas", POR-CRO Fondo Sociale Europeo Regione Liguria 2007-2013 Asse IV Capitale Umano <b>Budget: €52,000.00</b>
<b>Jan. 2012 - Dec. 2015</b>	<b>PI of the Operative Unit SP2-WP2-AZ1-UO8, RITMARE</b> - "La Ricerca Italiana per il MARE", National Flagship Research Programme funded by the Italian Ministry of University and Research <b>Budget: €327,726.70</b>
<b>Sep. 2011 - Feb. 2013</b>	<b>Participation, TOSCA</b> - "Tracking Oil Spills & Coastal Awareness network", <a href="#">Interreg European MED</a> Programme

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#### CRUISES

<b>July-August 2012</b>	<b>2nd TOSCA Project Cruise</b> 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
<b>December 2011</b>	<b>1st TOSCA Project Cruise</b> R/V Urania, Ligurian Sea CTD casts with LADCP, deployment and recovery of Lagrangian drifters Chief Scientists: Anne Molcard and Mireno Borghini
<b>August 2011</b>	<b>FHL Summer School</b> R/V Centennial and small boats, Puget Sound, WA, USA CTD casts, deployment and recovery of ADCPs Chief Scientists: Parker MacCready and Rocky Geyer

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#### COMPUTER KNOWLEDGE

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

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## COURSES

<b>18 April-3 May 2024</b>	<a href="#">Open Science Computing</a> : <i>Pangeo Pathfinder Short Course</i> , Genoa, Italy
<b>15-19 December 2023</b>	<a href="#">Faunalia</a> : <i>Python and qGIS Course</i> , online, Italy
<b>14-22 November 2023</b>	<a href="#">Faunalia</a> : <i>Geodatabase Course: PostgreSQL and PostGIS</i> , online, Italy
<b>11-23 October 2023</b>	<a href="#">Faunalia</a> : <i>qGIS Course</i> , online, Italy
<b>11 March-8 June 2022</b>	<a href="#">University of Milan - Bicocca</a> : <i>JERICO Business Model Development Course</i> , online, Italy
<b>1 February-30 April 2015</b>	<a href="#">University of Michigan</a> : <i>Programming for everybody (Python)</i> , Massive Online Open Course offered through <a href="#">Coursera</a> [ <a href="#">view verified certificate PDF</a> ]
<b>2-6 July 2012</b>	<a href="#">University of Genoa</a> : <i>An introduction to OpenFoam</i> , Genoa, Italy
<b>19-23 September 2011</b>	<a href="#">Université du Sud, Toulon - Var</a> : <i>Coastal Dynamics Modeling 2011 Summer School</i> , La Londe-Les-Maures, France
<b>17 July-19 August 2006</b>	<a href="#">University of Washington, Friday Harbor Laboratories</a> : <i>Estuarine and Coastal Fluid Dynamics Summer School</i> , San Juan Islands, WA, USA
<b>20-30 September 2004</b>	<a href="#">International Summer School of Oceanography</a> : <i>An Integrated View of Oceanography: Ocean Weather Forecasting in the 21st Century</i> , Lalonde Les Maures, France
<b>5-6 July 2001</b>	Course promoted by CILEA (Lombard Interuniversitarian Consortium for the Automatic Elaboration): <i>The FORTRAN 90 for the Intensive Scientific Calculation</i> , Milan, Italy

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## CONFERENCES AND WORKSHOPS

<b>12-14 June 2019</b>	<a href="#">Journées Scientifiques LEFE/GMMC2019</a> , Toulon, France
<b>12 December 2018</b>	Evento di lancio del progetto <a href="#">GEREMIA</a> , Genoa, Italy
<b>22 November 2018</b>	Evento di lancio del progetto <a href="#">SICOMAR plus</a> , Leghorn, Italy
<b>15 November 2018</b>	Evento Annuale <a href="#">Programma Italia-Francia Marittimo</a> , Florence, Italy
<b>9 November 2018</b>	Conferenza intermedia del progetto <a href="#">IMPACT</a> , Toulon, France
<b>19 September 2018</b>	Evento di lancio del progetto <a href="#">SPlasH!</a> , Genoa, Italy
<b>5 June 2018</b>	<a href="#">Progetto SE.D.RI.PORT</a> , <a href="#">La modellistica per la gestione e la protezione dell'ambiente marino</a> , La Spezia, Italy
<b>10-11 April 2018</b>	<a href="#">12es Journée Scientifique de l'Université de Toulon</a> , Toulon, France
<b>16 November 2017</b>	Evento Annuale <a href="#">Programma Italia-Francia Marittimo</a> , Genoa, Italy
<b>27 May 2017</b>	<a href="#">Giornata Europea del Mare 2017</a> , La Spezia, Italy
<b>19 May 2017</b>	Evento di lancio del progetto <a href="#">IMPACT</a> , Florence, Italy
<b>11 January 2017</b>	Evento di presentazione <a href="#">Programma Italia-Francia Marittimo</a> , Savona, Italy
<b>13-15 September 2016</b>	<a href="#">INCREASE HF Radar Experts Workshop Meeting</a> , Lerici (SP), Italy
<b>27 April 2016</b>	<a href="#">L'eau en Méditerranée: un projet porté par l'Association de</a>

	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

## 2024

35) Corgnati L. P., Berta M., Kokkini Z., Mantovani C., **Magaldi M. G.**, Molcard A., Griffa A., 2024. *Assessment of OMA gap-filling performances for multiple and single coastal HF radar systems: validation with drifter data in the Ligurian Sea*. *Remote Sens.*, 16 (13), 2458, doi:10.3390/rs16132458 (ISSN: 2072-4292).

[ [published open access version](#) | [BibTeX entry](#) ]

## 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., Ciralo 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., Bondoni M., Berta M., Brandini C., Cáceres-Euse A., Capodici F., Cianelli D., Ciralo 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., 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).

[ [published version](#) | [auxiliary movie 1](#) | [auxiliary movie 2](#) | [preprint](#) | [BibTeX entry](#) ]

25) Sciascia R., Berta M., Carlson D. F., Griffa A., Panfili M., La Mesa M., Corgnati L. P., Mantovani C., Domenella E., Fredj E., **Magaldi M. G.**, D'Adamo R., Paziienza G., Zambianchi E., Poulain P.-M., 2018. *Linking sardine recruitment in coastal areas to ocean currents using surface drifters and HF radar. A case study in the Gulf of Manfredonia, Adriatic Sea*. Ocean Sci., 14 (6), pp. 1461-1482, doi:10.5194/os-14-1461-2018 (Online ISSN: 1812-0792, Print ISSN: 1812-0784).

[ [published open access version](#) | [BibTeX entry](#) ]

24) Berta M., Bellomo L., Griffa A., **Magaldi M. G.**, Molcard A., Mantovani C., Gasparini G. P., Marmain J., Vetrano A., Béguery L., Borghini M., Barbain Y., Gaggelli J., Quentin C., 2018. *Wind induced variability in the Northern Current (North-Western Mediterranean Sea) as depicted by a multi-platform observing system*. Ocean Sci., 14 (4), pp. 689-710, doi:10.5194/os-14-689-2018 (Online ISSN: 1812-0792, Print ISSN: 1812-0784).

[ [published open access version](#) | [BibTeX entry](#) ]

23) Enrile F., Besio G., Stocchino A., **Magaldi M. G.**, Mantovani C., Cosoli S., Gerin R., Poulain P.-M., 2018. *Evaluation of surface Lagrangian transport barriers in the Gulf of Trieste*. Cont. Shelf Res., 167 (2018), pp. 125-138, doi:10.1016/j.csr.2018.04.016 (ISSN: 0278-4343).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

## 2017

22) Almansi M., Haine T. W. N., Pickart R. S., **Magaldi M. G.**, Gelderloos R., Mastropole D., 2017. *High-frequency variability in the circulation and hydrography of the Denmark Strait Overflow from a high-resolution numerical model*. J. Phys. Oceanogr., 47 (12), pp. 2999-3013, doi:10.1175/JPO-D-17-0129.1 (Online ISSN: 1520-0485, Print ISSN: 0022-3670).

[ [published version](#) | [auxiliary movie](#) | [preprint](#) | [BibTeX entry](#) ]

21) Gelderloos R., Haine T. W. N., Koszalka I. M., **Magaldi M. G.**, 2017. *Seasonal variability in warm-water inflow towards Kangerdlugssuaq Fjord*. J. Phys. Oceanogr., 47 (7), pp. 1685-1699, doi:10.1175/JPO-D-16-0202.1 (Online ISSN: 1520-0485, Print ISSN: 0022-3670).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

20) Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2017. *Mesoscale mixing of the Denmark Strait Overflow in the Irminger Basin*. Ocean Modell., 112, pp. 90-98, doi:10.1016/j.ocemod.2017.03.001 (ISSN: 1463-5003).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

## 2016

19) Suaria G., Avio C. G., Mineo A., Lattin G., **Magaldi M. G.**, Belmonte G., Moore C., Regoli F., Aliani S., 2016. *The Mediterranean plastic soup: synthetic polymers in Mediterranean surface waters*. Sci. Rep., 6, 37551, doi:10.1038/srep37551 (ISSN: 2045-2322).

[ [published open access version](#) | [BibTeX entry](#) ]

18) Mariano A. J., Ryan E. H., Huntley H. S., Laurindo L. C., Coelho E., Griffa A., Özgökmen T. M., Berta M., Bogucki D., Chen S., Curcic M., Drouin K. L., Gough M., Haus B. K., Haza A. C., Hogan P., Iskandarani M., Jacobs G., Kirwan A. D., Laxague N., Lipphardt B., **Magaldi M. G.**, Novelli G., Reniers A., Restrepo J. M., Smith C., Valle-Levinson A., Wei M., 2016. *Statistical properties of the surface velocity field in the northern Gulf of Mexico sampled by GLAD drifters*. J. Geophys. Res., 121, pp. 5193-5216, doi:10.1002/2015JC011569 (ISSN: 2169-9291).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

17) Carlson D. F., Griffa A., Zambianchi E., Suaria G., Corgnati L. P., **Magaldi M. G.**, Poulain P.-M., Russo A., Bellomo L., Mantovani C., Celentano P., Molcard A., Borghini M., 2016. *Observed and modeled surface Lagrangian transport between coastal regions in the Adriatic Sea with implications for marine protected areas*. Cont. Shelf Res., 118, pp. 23-48, doi:10.1016/j.csr.2016.02.012 (ISSN: 0278-4343).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

16) Bellomo L., Griffa A., Cosoli S., Falco P., Gerin R., Iermano I., Kalampokis A., Kokkini Z., Lana A., **Magaldi M. G.**, Mamoutos I., Mantovani C., Marmain J., Potiris E., Sayol J. M., Barbin Y., Berta M., Borghini M., Bussani A., Corgnati L. P., Dagneaux Q., Gaggelli J., Guterman P., Mallarino D., Mazzoldi A., Molcard A., Orfila A., Poulain P.-M., Quentin C., Tintoré J., Uttieri M., Vetrano A., Zambianchi E., Zervakis V., 2016. *Toward an integrated HF radar network in the Mediterranean Sea to improve search and rescue and oil spill response: the TOSCA project experience*. J. Oper. Oceanogr., 8 (2), pp. 95-107, doi:10.1080/1755876X.2015.1087184 (Online ISSN: 1755-8778, Print ISSN: 1755-876X).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

## 2015

15) Berta M., Griffa A., **Magaldi M. G.**, Özgökmen T. M., Poje A. C., Haza A. C., Olascoaga M. J., 2015. *Improved surface velocity and trajectory estimates in the Gulf of Mexico from blended satellite altimetry and drifter data*. J. Atmos. Ocean Tech., 32, pp. 1880-1901, doi:10.1175/JTECH-D-14-00226.1 (ISSN: 0739-0572).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

14) **Magaldi M. G.**, Haine T. W. N., 2015. *Hydrostatic and non-hydrostatic simulations of dense waters cascading off a shelf: the East Greenland case*. Deep Sea Res. I, 96, pp. 89-104, doi:10.1016/j.dsr.2014.10.008 (ISSN: 0967-0637).

[ [published version](#) | [auxiliary movie 1](#) | [auxiliary movie 2](#) | [preprint](#) | [BibTeX entry](#) ]

13) Aliani S., Berta M., Borghini M., Carlson D. F., Conversi A., Corgnati L. P., Griffa A., **Magaldi M. G.**, Mantovani C., Marini S., Mazzei L., Suaria G., Vetrano A., 2015. *Biodiversity conservation: an example of a multidisciplinary approach to marine dispersal*. Rend. Fis. Acc. Lincei, 26, pp. 37-48, doi:10.1007/s12210-014-0357-2 (ISSN: 2037-4631).

[ [published open access version](#) | [BibTeX entry](#) ]

## 2014

12) Berta M., Bellomo L., **Magaldi M. G.**, Griffa A., Molcard A., Marmain J., Borghini M., Taillandier V., 2014. *Estimating Lagrangian transport blending drifters with HF radar data and models: results from the TOSCA experiment in the Ligurian Current (North Western Mediterranean Sea)*. Prog. Oceanogr., 128, pp. 15-29, doi:10.1016/j.pcean.2014.08.004 (ISSN: 0079-6611).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

11) von Appen W.-J., Koszalka I. M., Pickart R. S., Haine T. W. N., Mastropole D., **Magaldi M. G.**, Valdimarsson H., Girtton J., Jochumsen K., Krahlmann G., 2014. *The East Greenland Spill Jet as an important component of the Atlantic Meridional Overturning Circulation*. Deep Sea Res. I, 92, pp. 75-84, doi:10.1016/j.dsr.2014.06.002 (ISSN: 0967-0637).

[ [published version](#) | [auxiliary movies](#) | [preprint](#) | [BibTeX entry](#) ]

## 2013

10) Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2013. *Fates and travel times of Denmark Strait Overflow Water in the Irminger Basin*. J. Phys. Oceanogr., 43 (12), pp. 2611-2628, doi:10.1175/JPO-D-13-023.1 (Online ISSN: 1520-0485, Print ISSN: 0022-3670).

[ [published version](#) | [auxiliary movies](#) | [preprint](#) | [BibTeX entry](#) ]

## 2011

9) **Magaldi M. G.**, Haine T. W. N., Pickart R. S., 2011. *On the nature and variability of the East Greenland Spill Jet: a case study in summer 2003*. J. Phys. Oceanogr., 41 (12), pp. 2307-2327, doi:10.1175/JPO-D-10-05004.1 (Online ISSN: 1520-0485, Print ISSN: 0022-3670).

[ [published version](#) | [auxiliary material](#) | [preprint](#) | [BibTeX entry](#) ]

8) De Gaetano P., Vassallo P., Bartoli M., Nizzoli D., Doglioli A. M., **Magaldi M. G.**, Fabiano M., 2011. *Impact of new measured Mediterranean mineralisation rates on the fate of simulated aquaculture wastes*. Aquaculture Res., 42 (9), pp. 1359-1370, doi:10.1111/j.1365-2109.2010.02724.x (Online ISSN: 1365-2109, Print ISSN: 1355-557X).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

## 2010

7) **Magaldi M. G.**, Özgökmen T. M., Griffa A., Rixen M., 2010. *On the response of a turbulent coastal buoyant current to wind events: the case of the Western Adriatic Current*. Ocean Dyn., 60 (1), pp. 93-122, doi:10.1007/s10236-009-0247-9 (Online ISSN: 1616-7228, Print ISSN: 1616-7341).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

6) Mercatini A., Griffa A., Piterbarg L., Zambianchi E., **Magaldi M. G.**, 2010. *Estimating surface velocities from satellite data and numerical models: implementation and testing of a new simple method*. Ocean Modell., 33 (1-2), pp. 190-203, doi:10.1016/j.ocemod.2010.01.003 (Online ISSN: 1463-5011, Print ISSN: 1463-5003).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

5) Poje A. C., Haza A. C., Özgökmen T. M., **Magaldi M. G.**, Garraffo Z. D., 2010. *Resolution dependent relative dispersion statistics in a hierarchy of ocean models*. Ocean Modell., 31 (1-2), pp. 36-50, doi:10.1016/j.ocemod.2009.09.002 (Online ISSN: 1463-5011, Print ISSN: 1463-5003).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

## 2008

4) **Magaldi M. G.**, Özgökmen T. M., Griffa A., Chassignet E. P., Iskandarani M., Peters H., 2008. *Turbulent flow regimes behind a coastal cape in a stratified and rotating environment*. Ocean Modell., 25 (1-2), pp. 65-82, doi:10.1016/j.ocemod.2008.06.006 (Online ISSN: 1463-5011, Print ISSN: 1463-5003).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

3) De Gaetano P., Doglioli A. M., **Magaldi M. G.**, Vassallo P., Fabiano M., 2008. *FOAM, a new simple benthic degradative module for the LAMP3D model: an application to a Mediterranean fish farm*. Aquaculture Res., 39 (11), pp. 1229-1242, doi:10.1111/j.1365-2109.2008.01990.x (Online ISSN: 1365-2109, Print ISSN: 1355-557X).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

2) Doglioli A. M., Griffa A., **Magaldi M. G.**, 2004. *Numerical study of a coastal current on a steep slope in presence of a cape: the case of the Promontorio di Portofino*. J. Geophys. Res., 109, C12033, doi:10.1029/2004JC002422 (Online ISSN: 2156-2202, Print ISSN: 0148-0227).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

1) Doglioli A. M., **Magaldi M. G.**, Vezzulli G., Tucci S., 2004. *Development of a numerical model to study the dispersion of wastes coming from a marine fish farm in the Ligurian Sea (Western Mediterranean)*. Aquaculture, 231 (1-4), pp. 215-235, doi:10.1016/j.aquaculture.2003.09.030 (Online ISSN: 1873-5622, Print ISSN: 0044-8486).

[ [published version](#) | [preprint](#) | [BibTeX entry](#) ]

#### OTHER PUBLICATIONS WITH ISSN OR ISBN

20) **Magaldi M. G.**, Barbieri L., Mantovani C., Baratti M., Bendoni M., Berta M., Berto D., Bigongiari N., Boccacci A., Bramanti L., Brandini C., Calace N., Caliani I., Cannicci S., Casini S., Connès C., Corgnati L. P., Costanza L., Coudray S., Cristofori S., Di Mento R., Doronzo B., Dumas D., Fattorini M., Femiano R., Fratini S., Galgani F., Galli T., Gozzini B., Gramoullé A., Grassini I., Griffa A., Guizien K., Guérin C.-A., Iozzelli M., Lapucci C., Lenoble V., Maltese S., Mario S., Mazoyer C., Mengoni A., Menonna V., Molcard A., Oliva M., Ortolani A., Ourmières Y., Padrón M., Piermarini R., Pretti C., Romanelli G., Ruberti G., Scarpato A., Sciascia R., Silvestri C., Taddei S., Ugolini A., Vanneste H., Vannucchi V., Xu D., 2021. *Strumenti e indicazioni di governance transfrontaliera. Piano d'azione e linee guida del progetto IMPACT. Instruments et indications pour la gouvernance transfrontalière. Plan d'action et lignes directrices du projet IMPACT*. In: **CNR Edizioni, 40p.**, doi:10.26383/CNR-ISMAR.2021.3. CNR Edizioni, Lerici (SP), Italy (Online ISBN: 978-88-8080-436-9, Print ISBN: 978-88-8080-435-2).

19) Sciascia R., **Magaldi M. G.**, Vetrano A., Guizien K., 2019. *Linking the Tyrrhenian and Ligurian seas: current reversal and flow variability within the Corsica Channel*. In: **Geophysical Research Abstracts, Vol. 21, EGU2019-16703**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

18) Fraser N. J., Inall M. E., **Magaldi M. G.**, Haine T. W. N., Jones S. C., 2018. *Wintertime fjord-shelf interaction in Southeast Greenland*. In: **Geophysical Research Abstracts, Vol. 20, EGU2018-5155**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

17) 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., 2017. *Surface Lagrangian transport in the Adriatic Sea (Mediterranean Sea) from drifters, HF radar and models: implications for fishery and Marine Protected Areas*. In: **Geophysical Research Abstracts, Vol. 19, EGU2017-7842**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

16) Gelderloos R., Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2017. *Seasonal variability in warm-water inflow towards Kangerdlugssuaq Fjord*. In: **Geophysical Research Abstracts, Vol. 17, EGU2017-10410-1**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

15) Corgnati L. P., Mazzei L., Marini S., Isoppo B., Ottaviani E., Besio G., **Magaldi M. G.**, 2015 *High resolution stereo imaging of sea waves for validation and optimization of wave modelling*. In: **OCEANS'15 MTS/IEEE Abstract, doi:10.1109/OCEANS-Genova.2015.7271382**. Institute of Electrical and Electronics Engineers (e-ISBN: 978-1-4799-8736-8).

14) Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2015. *Spatial localization and mesoscale modulation of mixing and transformation of the Denmark Strait Overflow*. In: **Geophysical Research Abstracts, Vol. 17, EGU2015-11046**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

13) Porciello L., **Magaldi M. G.**, Griffa A., Barbolini M., Ferro F., Borghini M. 2015. *Assessing the impact of tides and winds on the circulation of the Gulf of La Spezia with high-resolution, three-dimensional simulations*. In: **Geophysical Research Abstracts, Vol. 17, EGU2015-5716**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

12) Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2014. *Mixing and transformation in the Denmark Strait Overflow*. In: **Geophysical Research Abstracts, Vol. 16, EGU2014-12618-2**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

11) Enrile F., Besio G., **Magaldi M. G.**, Mantovani C., Cosoli S., Poulain P.-M., 2014. *Barriere Lagrangiane superficiali nel Golfo di Trieste*. In: **Atti XXXIV Convegno di Idraulica e Costruzioni Idrauliche, 121-122**. Gruppo Italiano di Idraulica (ISBN: 978-88-904561-8-3).

10) Berta M., Bellomo L., Griffa A., **Magaldi M. G.**, Marmain J., Molcard A., Taillandier V., 2013. *Assimilation of drifters' trajectories in velocity fields from coastal radar and model via the Lagrangian assimilation algorithm LAVA*. In: **Geophysical Research Abstracts, Vol. 15, EGU2013-10218-2**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

9) Bellomo L., Berta M., Gasparini G. P., Griffa A., **Magaldi M. G.**, Marmain J., Molcard A., Vetrano A., Béguery L., Borghini M., 2013. *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*. In: **Geophysical Research Abstracts, Vol. 15, EGU2013-5469-2**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

8) **Magaldi M. G.**, Haine T. W. N., Pickart R. S., 2012. *On the nature and variability of the East Greenland Spill Jet*. In: **Geophysical Research Abstracts, Vol. 14, EGU2012-13143**. European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

7) Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2012. *Fates and transformation of Denmark Strait Overflow Water revealed by Lagrangian particles in a high resolution ocean model*. In: [Geophysical Research Abstracts, Vol. 14, EGU2012-13280](#). European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

6) **Magaldi M. G.**, Haine T. W. N., 2012. *Hydrostatic and non-hydrostatic simulations of the East Greenland Spill Jet*. In: [Geophysical Research Abstracts, Vol. 14, EGU2012-13372](#). European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

5) Stroobant M., Locritani M., Marini D., Sabbadini L., Carmisciano C., Manzella G., **Magaldi M. G.**, Aliani S., and the DLTM Team, 2012. *The Ligurian Cluster for Marine Technologies (DLTM): matching local research and industrial needs on oceanographic data*. In: [Geophysical Research Abstracts, Vol. 14, EGU2012-8377-8](#). European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

4) De Gaetano P., Vassallo P., Doglioli A. M., **Magaldi M. G.**, 2009. *FOAM, the new benthic degradation model and its calibration in Mediterranean condition: an application to a fish farm*. In: [Geophysical Research Abstracts, Vol. 11, EGU2009-538-2](#). European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

3) De Gaetano P., Doglioli A. M., **Magaldi M. G.**, Sacchetti D., Corazza M., 2009. *High resolution wind forcing effects on coastal circulation and eddy formation around a cape*. In: [Geophysical Research Abstracts, Vol. 11, EGU2009-778-3](#). European Geosciences Union (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

2) Conversi A. M., **Magaldi M. G.**, 2003. *Comparison of climate data sets for the analysis of biological time series*. In: [Geophysical Research Abstracts, Vol. 5, 08265](#). European Geophysical Society (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

1) Doglioli A. M., **Magaldi M. G.**, Griffa A., Festa R., 2003. *Numerical study of a coastal current on a steep slope in presence of a cape: the case of the Promontorio di Portofino*. In: [Geophysical Research Abstracts, Vol. 5, 04132](#). European Geophysical Society (Online ISSN: 1607-7962, Print ISSN: 1029-7006).

#### OTHER CONFERENCE PROCEEDINGS AND PAPERS

-) Pomaro A., Bastianini M., Bellacicco M., Bellafiore D., Benetazzo A., Bergami C., Berta M., Cantoni C., Chiggiato J., Colella S., Corgnati L. P., De Pascalis F., Dionisi D., Gasperini L., Liberti G., **Magaldi M. G.**, Mantovani C., Matano F., Organelli E., Raicich F., Schroeder K., Stanghellini G., Volpe G., 2023. *Rete Nazionale Siti Osservativi Marini del Consiglio Nazionale delle Ricerche [National network of marine observatories of the National Research Council of Italy]*. In: [Rapporto Tecnico No. 7/2023, 213 pages](#). CNR-ISMAR

-) **Magaldi M. G.**, Haine T. W. N., 2017. *Non-hydrostatic simulations of dense waters cascading off the East Greenland shelf*. In: [2017 IDIES Annual Review report, 8](#). Institute for Data Intensive Engineering and Science

-) **Magaldi M. G.**, Haine T. W. N., 2014. *Hydrostatic and non-hydrostatic simulations of dense waters cascading off a shelf: the East Greenland case*. In: [2014 Ocean Sciences Meeting Abstract Book, 107](#). Co-produced by the American Society of Limnology and Oceanography, the American Geophysical Union and the Oceanography Society

-) Besio G., Enrile F., **Magaldi M. G.**, Mantovani C., Cosoli S., Gerin S., Poulain P.-M., 2014. *Reliability of LCS detection depending on HF-radar velocity dataset*. In: [2014 Ocean Sciences Meeting Abstract Book, 83](#). Co-produced by the American Society of Limnology and Oceanography, the American Geophysical Union and the Oceanography Society

-) Carlson D. F., Mantovani C., Corgnati L. P., **Magaldi M. G.**, Zambianchi E., 2014. *Lagrangian transport and connectivity in the southern Adriatic Sea from surface drifters and HF-radar observations*. In: [2014 Ocean Sciences Meeting Abstract Book, 155](#). Co-produced by the American Society of Limnology and Oceanography, the American Geophysical Union and the Oceanography Society

-) Koszalka I. M., Haine T. W. N., **Magaldi M. G.**, 2013. *Mixing pot and roller coaster in the Denmark Strait Overflow*. In: [Report of the 11th ASOF ISSG Meeting in Helsinki, Finland](#). ASOF International Scientific Steering Group

-) **Magaldi M. G.**, Haine T. W. N., Pickart R. S., 2012. *On the nature and variability of the East Greenland Spill Jet*. In: [2012 Ocean Sciences Meeting Abstract Book, 293-294](#). Co-produced by the American Society of Limnology and Oceanography, the American Geophysical Union, the Oceanography Society, and the Estuarine Research Federation

-) **Magaldi M. G.**, Haine T. W. N., 2011. *Hydrostatic and non-hydrostatic simulations of the East Greenland Spill Jet*. In: [Report of the 9th ASOF ISSG Meeting in Bergen, Norway](#). ASOF International Scientific Steering Group

-) **Magaldi M. G.**, Haine T. W. N., Pickart R. S., 2010. *On the nature and variability of the East Greenland Spill Jet in summer 2003*. In: [Report of the 8th ASOF ISSG Meeting in Woods Hole, MA, USA](#). ASOF International Scientific Steering Group

-) Poje A. C., Haza A. C., Özgökmen T. M., **Magaldi M. G.**, 2009. *Resolution and Scale Dependence of Relative Dispersion in a Hierarchy of Ocean Models*. In: [Abstracts of the 2009 SIAM Conference on Mathematical and Computational Issues in the Geosciences, 62](#). Society for Industrial and Applied Mathematics

-) **Magaldi M. G.**, Özgökmen T. M., Griffa A., Chassignet E. P., Peters H., Iskandarani M., 2008. *Capex and form drag: the role of stratification*. In: [2008 Ocean Sciences Meeting Abstracts](#), 253. Co-produced by the Oceanography Society, the American Society of Limnology and Oceanography and the American Geophysical Union

-) **Magaldi M. G.**, Conversi A. M., 2004. *Individuazione dei dataset climatici adatti all'analisi delle possibili relazioni fra il plancton e le variabili meteorologiche [Identification of the climatic datasets suitable to the analysis of the possible relations between plankton and meteorological variables]*. In: [Rapporto Tecnico Interno No. 1/2004](#), 45 pages. CNR-ISMAR Lesina

-) Rinaldi F., Doglioli A. M., **Magaldi M. G.**, 2003. *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]*. In: [S.It.E. Lettera ai Soci 2003](#), 27. Società Italiana di Ecologia

-) Doglioli A. M., **Magaldi M. G.**, Vezzulli G., 2002. *Development of a numerical model to study the dispersion of wastes coming from a marine fish farm in the Ligurian Sea (Western Mediterranean)*. In: [Aquaculture Europe 2002 - Seafarming Today and Tomorrow - EAS Special Publication No. 32](#), 212-213. European Aquaculture Society

-) **Magaldi M. G.**, Doglioli A. M., 2003. *L'approccio modellistico per una maricoltura ecocompatibile [The modellistic approach for a sustainable mariculture]*. In: [Oceanografia ed ecosistemi marini](#), 15 pages. AISA/artesettima Edizioni, Parma

-) Doglioli A. M., **Magaldi M. G.**, 2003. *I movimenti del mare [Sea movements]*. In: [Oceanografia ed ecosistemi marini](#), 16 pages. AISA/artesettima Edizioni, Parma

#### ORAL PRESENTATIONS

**June 2019** - [Sciascia R.](#), [Guizien K.](#), [Bramanti L.](#), [Padrón M.](#), **Magaldi M. G.**, *Larval flow among red gorgonian populations in the Ligurian sea unveils stepping-stone connections: implications for conservation practice*, [7th LAPCOD Meeting](#), Venice, Italy [[view abstract HTML](#)]

**June 2019** - [Berta M.](#), [Corgnati L. P.](#), **Magaldi M. G.**, [Griffa A.](#), [Mantovani C.](#), [Poulain P.-M.](#), [Oddo P.](#), *Coastal submesoscale structures and variability from drifters and HF radar in the Ligurian Sea (Mediterranean)*, [7th LAPCOD Meeting](#), Venice, Italy [[view abstract HTML](#)]

**June 2019** - [Enrile F.](#), [Besio G.](#), [Stocchino A.](#), **Magaldi M. G.**, [Poulain P.-M.](#), *Lagrangian simulations and influence of initial conditions on dispersion calculations*, [7th LAPCOD Meeting](#), Venice, Italy [[view abstract HTML](#)]

**April 2019** - [Sciascia R.](#), **Magaldi M. G.**, [Vetrano A.](#), [Guizien K.](#), *Linking the Tyrrhenian and Ligurian seas: current reversal and flow variability within the Corsica Channel*, [2019 European Geosciences Union General Assembly](#), Vienna, Austria [[view abstract PDF](#)]

**November 2018** - **Magaldi M. G.**, *Il monitoraggio oceanografico per la sicurezza in mare e la protezione dell'ambiente [Monitoring the ocean for the safety and the protection of the environment]*, [Evento di lancio del progetto SICOMAR plus](#), Leghorn, Italy

**November 2018** - **Magaldi M. G.**, *Il progetto IMPACT: obiettivi e realizzazioni [The IMPACT project: objectives and outputs]*, [Conferenza intermedia del progetto IMPACT](#), Toulon, France

**September 2018** - [Berta M.](#), [Griffa A.](#), [Mantovani C.](#), [Corgnati L. P.](#), **Magaldi M. G.**, [Marini S.](#), [Molcard A.](#), [Quentin C.](#), [Brandini C.](#), [Pairaud I.](#), *The North-Western Mediterranean Sea multiplatform observing system: present applications, incoming advancements and future perspectives*, [2nd JERICO-NEXT General Assembly](#), Galway, Ireland

**June 2018** - [Sciascia R.](#), **Magaldi M. G.**, *Il progetto IMPACT: esplorare il mare dalla larga alla piccola scala [The IMPACT project: exploring the sea from the large to the small scales]*, [Progetto SE.D.RI.PORT](#), *La modellistica per la gestione e la protezione dell'ambiente marino*, La Spezia, Italy

**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** - Gelderoos 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.**, Gelderoos 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., *Barriere 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 University of Genoa, Genoa, Italy

**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, Lercio (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 Lercio Seminars, Lercio (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

- 18) [Applied Ocean Research](#)
- 17) [Journal of Advances in Modeling Earth Systems](#)
- 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

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#### ACHIEVEMENTS

<b>2024-current</b>	Chair of the EuroGOOS Fixed Platform Task Team
<b>2024-current</b>	EOOS Operation Committee Steering Committee Member
<b>2024-current</b>	CNR Expert Committee Member for Bilateral Agreements
<b>2023-current</b>	CNR GOOS Working Group Member for the Italian Oceanographic Commission
<b>2022-current</b>	Member of the EuroGOOS High Frequency Radar Task Team
<b>2021-current</b>	Member of the EuroGOOS Fixed Platform Task Team
<b>2021-current</b>	JERICO National Representative
<b>2021-current</b>	CNR representative and Committee Member of the Smart Bay Santa Teresa Agreement
<b>2019</b>	Visiting Professor at the Mediterranean Institute of Oceanography (MIO) - University of Toulon, Toulon, France
<b>2017-current</b>	National Italian Scientific Qualification as University Associate Professor
<b>2016-2023</b>	ISMAR National Councillor
<b>2014</b>	Bjerknes Fellow at the Geophysical Institute, University of Bergen, Bergen, Norway
<b>2011</b>	Session Chair at the 2011 CEAFM-Burgers Research Symposium, The Johns Hopkins University, Baltimore, MD, USA
<b>2003-2009</b>	Tuition Scholarships for full time study at RSMAS/MPO, University of Miami, Miami, FL, USA

2008	Winner of the <a href="#">RSMAS/MPO</a> Best Student Paper Award, University of Miami, Miami, FL, USA
2005-2008	Member of the Scientific Committee of <a href="#">AISA</a>
2003	Graduate Student Examination <a href="#">GRE</a> , Analytical: 780/800, Verbal: 550/800 points
2002	Test Of English as Foreign Language <a href="#">TOEFL</a> , Computer-Based Test: 267/300 points
1999-2005	National Councillor of <a href="#">AISA</a>
1997-1999	President of the Genoese section of <a href="#">AISA</a>
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 <a href="#">Aquinas College</a> , Perth, WA, Australia
1994	Certificate of Distinction in Year Eleven of the Senior Division of the Australian Mathematics Competition, Perth, WA, Australia