

Elisa Baldrighi_CV

Date and place of Birth: 21/09/1982, Codogno (Italy)

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Research interests

- 1) Ecology and taxonomy of benthic meiofauna and macrofauna, with particular attention to deep-sea systems and extreme shallow and deep-sea environments
- 2) Nature of the interactions between different benthic components i.e., micro-, meio- and macrofauna
- 3) Relationship between benthic biodiversity, functional diversity and ecosystem functioning considering different spatial scales and environments
- 4) Assessment of the ecological quality status and evaluation of the impacts (natural and anthropogenic) on benthic environments through benthic organisms i.e., microbes, meiofauna and nematofauna, macrofauna.

Work skills

- 1) Offshore sampling activities: micro- meio- and macrofauna sample collection and environmental parameter acquisition (e.g. organic matter, grain size) sediment sampling (MUC, Box-corer, grab, scuba diving). Use of O₂, pH and Redox probes.
- 2) Set-up of meio- and macrofauna laboratories
- 3) Extraction, classification and determination of biomass of meio- and macrofauna organisms
- 4) Identification of nematodes (morphological identification including preparation of
- 5) permanent slides, optical and scanning electron microscopy) and macrofaunal organisms (morphological identification)
- 6) Operational knowledge of stable isotope technique for the study of benthic trophic web
- 7) Operational knowledge of microbial techniques for microbial standing stock assessment (analysis of abundance and biomass) and DNA extraction from sediment, water column and from organic tissue (i.e. microbiome)
- 8) Analysis of environmental parameters: organic matter and *Chl-a* sediment content; grain size
- 9) Manipulation of ecological datasets and statistical analyses
- 10) Writing of scientific papers/reports
- 11) Teaching (different levels)
- 12) Scientific outreach for different audiences
- 13) Organization of scientific meetings
- 14) Management of relations with national and international private companies and public research entities

Key figures

- **25 peer-reviewed publications (11 as first author).**
- **Guest editor** of the special issue *'The Impact of Treated Urban Wastewaters and Flood Discharge on the Quality of the Bathing Water, WATER* (MDPI)

- **Editorial board** of the journals *Sustainability* and Marine Biology Section of *Biology*, **Referee** for 11 scientific journals (Deep-Sea Research Part I, Metals, Marine Biology, Frontiers in Marine Science, Water, JEMBE, Limnology & Oceanography, Marine Biodiversity, Marine Biology Research, Scientia Marina, MARSYS)
- **18** oceanographic cruises and **>20** daily cruises
- Participation to **17** national and international projects (**2 as Principal Investigator:** Assemble Plus 7th and 8th calls - MEBOX and MEBOXtour projects);
- **Post-doc research experiences:** **5** years Italy (CNR-IRBIM, Ancona); **2** years France (LEP Ifremer - IUEM)
- **Participation to 31** national and international **meetings and conferences** with a total of **16** oral presentations and **2** posters as first author
- Since 2006 several seminars and laboratory activities with students (Master 1 and 2; high-school students) on benthic ecology, deep-sea ecology, anthropogenic impact and risk assessment on marine environment.
- Tutoring of 2 Master 2 thesis and Tutor of 8 stage (3 Master 1 and 5 Master 2 students)
- **13** collaboration contracts as free-lance with private and public entities (ETS, EDISON, API, ARPA Marche and ARPA Sardegna, UNIVPM, DeepGreen Inc., The Metal Company, Ifremer, Shelter)
- Organizer of BALMAS info-day (2015); WATERCARE info-day (2021), Researcher's Night (2015) and co-organizer of several project meetings;
Chair (2020-2021) for the Working Group *Healthy&Clean Ocean* for the EU4Ocean platform (<https://webgate.ec.europa.eu/maritimeforum/>);
Steering committee member of OLI (www.oceanliteracyitalia.it), the Italian Society of Ocean Literacy

EDUCATION

- 2013:** Polytechnic University of Marche. Ph.D. in Marine Biology and Ecology. Title: *Macrofauna biodiversity and ecosystem functioning in the deep-sea Mediterranean sediments: analysis at different spatial scales*. 256 pp. Advisor: Prof. A. Pusceddu; Co-advisor: Dr. E. Manini
- 2007:** Polytechnic University of Marche. Master Degree in Marine Biology (110/ 110 with honours). Title: *Meiofauna biodiversity and organic matter in the deep-sea Tyrrhenian sediments*. Advisor: Prof. A. Pusceddu
- 2005:** Polytechnic University of Marche. Degree in Marine Biology and Oceanography (110/110). Title: *Deep-sea Biodiversity and ecosystem functioning along the European continental margins*. Advisor: Prof. R. Danovaro

RESEARCH ACTIVITIES

15/09/2020- 31/03/2021: CNR-IRBIM (Ancona) – Post doc fellowship on the project WATERCARE “ *WATER MANAGEMENT SOLUTIONS FOR REDUCING MICROBIAL ENVIRONMENT IMPACT IN COASTAL AREAS*” (UE-INTERREG ITALIA-CROAZIA CBC ROGRAMME) (<https://www.italy-croatia.eu/web/watercare>). **Duties:**

- Evaluation of microbial impact along coastal waters affected by discharge of polluted waters
- Field sampling activities
- Laboratory analysis (microbial contamination, nutrients in the water column)
- Responsible of Communication and Dissemination activities for the project

Scientific responsible: Dr. Elena Manini

01/09/2019 – 30/08/2020: CNR-IRBIM (Ancona) – Post doc fellowship on the project CATCHUP FISH “*Tecniche di pesca sostenibile nella Laguna di Lesina*” (<https://catchupfish.it/>). **Duties:**

- Study of microbiome of commercial species that live in the Lesina Lagoon and the
- Microbial characterization of the sediments and water column
- Interaction with benthic communities

Scientific responsible: Dr. Elena Manini

01/2017- 01/2018: Ifremer (Brest, France). Post-doctoral researcher. Project: PIONEER *Prokaryote–nematode Interaction in marine extreme environments: a unique source for Exploration of innovative biomedical applications*” (https://wwz.ifremer.fr/pioneer_eng/Presentation).

Duties:

- Meiofauna and nematofauna analysis (abundance, distribution, diversity) inhabiting extreme environments from shallow to deep-sea systems
- Nematode identification through light microscopy and SEM
- Sediments analyses: granulometry, organic matter content, TOC
- Meiofauna sampling
- Set up of laboratory experiments to explore the relation between nematodes and prokaryotes
- Data elaborations, production of scientific reports and scientific papers

Scientific responsible: Dr. Daniela Zeppilli

09/2016 – 12/2016: UBO - Université de Bretagne Occidentale. LabexMER grant, Research fellow. Project: Axis 3 “Geobiological interactions in extreme environments”. MEDEA “*Macrofaunal and meiofaunal interactions in Deep-sea hydrothermal vents: focus on colonisation Experiments at the Lucky Strike hydrothermal vent field*”.

Duties :

- Study of macro- and meiofaunal interactions in deep-sea hydrothermal vents: meio- and macrofauna analyses, counting and identification
- Data elaborations, production of scientific papers and oral presentation (*Labex Day*)

Scientific responsible: Dr. Daniela Zeppilli and Dr. Jozée Sarrazin

05/2016 – 08/2016: Ifremer, Brest, France. Research fellowship as ‘Visiting Scientist’. Project: MEDEA “*Macrofaunal and meiofaunal interactions in Deep-sea hydrothermal vents: focus on colonisation Experiments at the Lucky Strike hydrothermal vent field*”.

Duties :

- Study of macro- and meiofaunal colonization processes in deep-sea hydrothermal vents
- Meiofauna and macrofauna identification
- Data elaborations and production of scientific papers

Scientific responsible: Dr. Daniela Zeppilli and Dr. Jozée Sarrazin

05/2014-04/2016: CNR-ISMAR, Ancona. Post-doctoral Researcher. Project: BALMAS “Ballast Water management system for Adriatic Sea protection” (www.balmas.eu).

Duties:

- Risk assessment for the introduction of pathogens in the Adriatic Sea from ballast waters and their interaction with macrobenthic and meiobenthic organisms from coastal waters.
 - Responsible of WP2 for the Italian groups: Communication and Dissemination plan, organization of meetings, conferences and scientific seminars for stakeholders, researchers and students.
 - Scientific coordinator of WP 5.3: Harmful aquatic organisms and pathogens impacts in the Adriatic Sea. Coordination of sampling activities; laboratory analyses of meio- and macrobenthic communities and sediments (organic matter content, grain size).
 - Data elaborations, production of scientific papers and annual reports
- Scientific responsible: Dr. Elena Manini

07/2013 – 12/2013: Consorzio Nazionale Interuniversitario di Scienze del Mare (CoNISMa). Research fellowship. Project: PORTO TRAPANI II.

Duties:

- Analyses of meio- and macrobenthic communities from impacted Adriatic sea port areas - sorting, counting and identification of organisms. Focus on nematode taxonomy.
 - Analysis of sediments – organic matter content as proteins, lipids and carbohydrates; Chl-a content; grain size
 - Data elaborations
- Scientific responsible: Prof. Francesco Regoli

04/2013 – 06/2013: Società Cooperativa ‘Mare Ricerca’ a.r.l. – CNR-ISMAR (Ancona). Short term research contract.

Duties:

- Monitoring of coastal areas and assessment of the impact of off-shore oil plants in the Adriatic Sea through the macrofaunal communities (distribution and taxonomy).
 - Field sampling activities on board (TecnoPesca - CNR vessel) and macrofauna samples processing.
- Scientific responsible: Dr. Gianna Fabi

2009-2013: Polytechnic University of Marche. Doctoral fellowship. Project: BIOFUN

- Characterization of deep-sea macrobenthic communities from the deep Mediterranean sea and Atlantic Ocean. Numerous field activities for samples collection (national and international oceanographic cruises); laboratory analyses of macrofauna organisms (sorting, counting, identification and biomass).
- Characterization of sediments – organic matter content, microbial content, microbial production, grain size

- Work experience at the Royal Netherland Institute for Sea Research (NIOZ), Texel. Supervisor Dr. M. Lavaleye. Deep-sea macrobenthic taxonomy and ecology from Mediterranean Sea and Atlantic Ocean. Field activity: collecting and samples processing of deep-sea sediments and water during several oceanographic cruises in collaboration with the NIOZ.
- Work experience at the Netherlands Institute of Ecology (NIOO-KNAW), Yerseke. Supervisor Dr. L. Moodley. Research subject: stable isotopes techniques and analyses on macrobenthic organisms from the deep Mediterranean Sea (trophic web characterization).
- Data elaboration, annual oral presentations during meetings and congresses
Scientific responsible: Prof. Antonio Pusceddu and Dr. Elena Manini

05/2007-12/2008: ETS – EcoTechSystem s.r.l. (Ancona). Short term job contracts. **Four Projects:** POR MIDAN (6 months), POR CAINO (5 months), APIOIL (5 months), CSA BRINDISI (3 months).

Duties:

- Seasonal monitoring and assessment of environmental suitability for off-shore aquaculture in the coastal Adriatic area and lagoons.
- Characterization of the benthic system: meiofauna and macrofauna distribution and biodiversity, organic matter loads effect on the benthic compartment.
- Scientific reports writing and arrangement of several field activities.

Scientific responsible: Dr. Monica Armeni

FREELANCE CONTRACTS as benthic ecology expert

February 2022: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. *Survey of the Benthic Biodiversity of Eratosthenes Seamount in the EEZ of the Republic of Cyprus* project.

Duties:

- Sediment samples analyses for macro- and meiofauna characterization (abundance and diversity) from deep sea Eratosthenes Seamount;
- Final Report writing with statistical analysis of results

27/01/2022 – 04/02/2022: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. Offshore Environmental Post-drilling Survey (OEPS), Eni Montenegro project.

Duties:

- Environmental sampling leader
- Sampling activities on board: benthic macrofauna sampling; zooplankton, grain size and pollutants into the sediment

26/12/2021 – 07/01/2022: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. SCIPIO – Floating Offshore Windfarm project, Sardegna.

Duties:

- Environmental sampling leader
- Sampling activities on board: ROV inspection of benthic habitats and description; gravity corer sampling

12/12/2021 – 18/12/2021: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. Tran Adriatic Pipeline (TAP) project, Adriatic sea sampling monitoring.

Duties:

- Environmental sampling leader –
- Sampling activities on board: macrofauna; CTD rosette; sediment pollutants

27/04/2021 – 01/06/2021: DeepGreen Inc. (now The Metals Company). Second benthic science campaign in the Pacific to the NORI-D area to establish the environmental baselines that document biodiversity, biology and ecology in the polymetallic nodule fields (<https://deep.green/deep-sea-science-program>).

Duties:

- Meiofauna sampling leader
- Sampling activities on board i.e., meiofauna (1st priority), macrofauna and geochemistry (as assistant)

Scientific PI: Dr. J. Ingels, FSU

01/04/2021-23/04/2021: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. ARPA Sardinia monitoring program - San Gilla Lagoon Sardinia.

Duties:

- Taxonomical characterization of macrobenthic communities inhabiting the impacted area of San Gilla Lagoon (Sardinia)
- Data elaboration

14/10/2020 – 01/12/2020: DeepGreen Inc. (now The Metals Company). First benthic science campaign to the NORI-D area in the central Pacific to establish the environmental baselines that document biodiversity, biology and ecology in the polymetallic nodule fields (<https://deep.green/deep-sea-science-program>).

Duties:

- Meiofauna sampling leader
- Sampling activities on board i.e., meiofauna (1st priority), macrofauna and geochemistry (as assistant)

Scientific PI: Dr. J. Ingels, FSU

01/10/2019 – 30/12/2019: Polytechnic University of Marche – Life Science Department (Ancona). Job contract as freelance. Project: ROSPO MARE_2019 (EDISON). **Duties:**

- Taxonomical characterization of macrobenthic communities inhabiting impacted areas along Adriatic coasts
- Data elaboration and statistical analyses and report writing

01/09/2019-04/10/2019: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. ARPA Sicily monitoring program – Gala Port Sicily.

Duties:

- Taxonomical characterization of macrobenthic communities inhabiting the impacted area of Gala Port (Sicily)
- Data elaboration and brief report

08/2019-09/2019: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. Offshore sampling campaign (slope area south-eastern of Sardinia island) on R/V Bourbon Emerald. Project: 19_28_BoDnt_Sardegna

Duties:

- Seabed imagery analysis for megafauna identification through a Remotely Operated Vehicle
- Data elaborations and production of a scientific report

08/2018 – 12/2018: Ifremer (Brest, Bretagne) - Institut Français de Recherche pour l'Exploitation de la Mer. Job contract as freelance. Project : PIONEER “*Prokaryote–nematode Interaction in marine extreme environments: a unique source for Exploration of innovative biomedical applications*”

Duties:

- Analysis of meiofaunal samples from a shallow pockmark area off Brittany (France)
- Meiofauna extraction, counting and taxa identification
- Data elaborations and production of a scientific report

06/2018-07/2018: ETS - EcoTechSystems s.r.l. (Ancona). Job contract as freelance. Offshore sampling campaign (slope area south-eastern of Sardinia island) on R/V Bourbon Emerald.

Project: 050_SEA_18_BoDnt_Sardegna

Duties:

- Seabed imagery analysis for megafauna identification through a Remotely Operated Vehicle
- Data elaborations and production of a scientific report

PEER REVIEWED PUBLICATIONS

Published

1. Enrichetti F., **Baldrighi E.**, Bavestrello G., Betti F., Canese S., Costa A., del Pasqua M., Giangrande A., Langeneck J., Misic C., Putignano M., Toma M., Bo M. 2022. *Ecological role and phylogenetic position of a new habitatforming species (Canalipalpata, Sabellidae) from the Mediterranean mesophotic soft-bottoms.*, ECSS, <https://doi.org/10.1016/j.ecss.2021.107737>

2. Manini E., **Baldrighi E.**, Ricci F., Grilli F., Giovannelli D., et al. 2022. *Effects of violent floods on the microbiological quality of bathing waters and impact on the Fano coast.* In prep. for WATER, <https://doi.org/10.3390/w14030502>

3. M. Romei, M. Lucertini, E. Esposito Renzoni, **E. Baldrighi**, F. Grilli, E. Manini, M. Marini, L. Iagnemma.(2021) *A detention reservoir reduced combined sewer overflows and bathing water contamination due to intense rainfall.* Water, <https://doi.org/10.3390/w13233425>

4. P. Penna, **E. Baldrighi**, M. Betti, L. Bolognini, A. Campanelli, S. Capellacci, S. Casabianca, C. Ferrarin, G. Giuliani, F. Grilli, E. Manini, F. Moro, A. Penna, F. Ricci, M. Marini. (2021) *Water quality integrated system: a methodological approach to improve bathing water management* Journal of Environmental Management. <https://doi.org/10.1016/j.jenvman.2021.>

5. Ferrarin, C.; Penna, P.; Penna, A.; Spada, V.; Ricci, F.; Bilić, J.; Krželj, M.; Ordulj, M.; Šikoronja, M.; Đuračić, I.; **Baldrighi, E.**, et al. (2021) *Modelling the Quality of Bathing Waters in the Adriatic Sea.* Water. <https://doi.org/10.3390/w13111525>

6. **E. Baldrighi**, C. Vasapollo, E. Grassi, F. Alvisi, L. Cesaroni, Balsamo M., F. Semprucci (2021) *Meiobenthic assemblages as ecological indicators of natural variability induced by ecosystem engineers.* Regional Studies in Marine Science. <https://doi.org/10.1016/j.rsma.2021.101824>

7. Michelet, C., Zeppilli, D., Hubas, C., **Baldrighi, E.**, Cuny, P., Dirberg, G., et al. (2021). *First Assessment of the Benthic Meiofauna Sensitivity to Low Human-Impacted Mangroves in French Guiana.* Forests, 12(3), 338. <https://doi.org/10.3390/f12030338>

8. Appolloni, L., Zeppilli, D., Donnarumma, L., **Baldrighi, E.**, Chianese, E., Russo, G. F., Sandulli, R. (2020). *Seawater Acidification Affects Beta-Diversity of Benthic Communities at a Shallow Hydrothermal Vent in a Mediterranean Marine Protected Area (Underwater Archaeological Park of Baia, Naples, Italy)*. Diversity, 12(12), 464; [doi:10.3390/d12120464](https://doi.org/10.3390/d12120464) [www.mdpi](http://www.mdpi.com)
9. N. Sánchez, D. Zeppilli, **E. Baldrighi**, A. Vanreusel, MG. Lahitsiresy, C. Brandily, L. Pasteur, L. Macherioutou, G. García-Gomez, S. Dupré, K. Olu. (2020). *A threefold perspective on the role of a pockmark in benthic faunal communities and biodiversity patterns*. Deep–Sea Research I, <https://doi.org/10.1016/j.dsr.2020.103425>
10. **E. Baldrighi**, I. Dovgal, D. Zeppilli, A. Abibulaeva, C. Michelet, et al. (2020). *The Cost for Biodiversity: Records of Ciliate–Nematode Epibiosis with the Description of Three New Suctorian Species*. Diversity 2020, 12, 224; [doi:10.3390/d12060224](https://doi.org/10.3390/d12060224)
11. **E. Baldrighi**, D. Zeppilli, L. Appolloni, L. Donnarumma, E. Chianese, et al. (2020). *Meiofaunal communities and nematode diversity characterizing the Secca delle Fumose shallow vent area (Gulf of Naples, Italy)*. PeerJ 8:e9058; [DOI 10.7717/peerj.9058](https://doi.org/10.7717/peerj.9058)
12. Donnarumma L, Appolloni L, Chianese E, Bruno R, **Baldrighi E**, et al. (2019). *Environmental and Benthic Community Patterns of the Shallow Hydrothermal Area of Secca Delle Fumose (Baia, Naples, Italy)*. Front. Mar. Sci. 6:685. [doi: 10.3389/fmars.2019.00685](https://doi.org/10.3389/fmars.2019.00685)
13. **E. Baldrighi**, J. Grall, N. Quillien, R. Carriço, V. Verdon, D. Zeppilli (2019). *Meiofauna communities' response to an anthropogenic pressure: The case study of green macroalgal bloom on sandy beach in Brittany*. Estuarine, Coastal and Shelf Science 227: 106326; <https://doi.org/10.1016/j.ecss.2019.106326>
14. **E. Baldrighi**, F. Semprucci, A. Franzo, I. Cvitkovic, D. Bogner, et al. (2018). *Meiofaunal communities in four Adriatic ports: Baseline data for risk assessment in ballast water management*. Marine Pollution Bulletin. <https://doi.org/10.1016/j.marpolbul.2018.06.056>
15. Luna G.M., Manini E., Turk V., Tinta T., D'Errico G., **Baldrighi E.**, et al. (2018). *Status of faecal pollution in ports: A basin-wide investigation in the Adriatic Sea*. Marine Pollution Bulletin: doi.org/10.1016/j.marpolbul.2018.03.050.
16. **E. Baldrighi**, A. Vanreusel, D. Zeppilli, R. Sandulli & M. Segonzac (2018). Occurrence of *Chromadorita regabi* sp. nov. (Nematoda: Adenophorea), a nematode egg predator of *Alvinocaris muricola* (Crustacea: Decapoda: Caridea: Alvinocarididae) from a deep cold seep area of the Gulf of Guinea. The European Zoological Journal: <https://doi.org/10.1080/24750263.2018.1498926>
17. **E. Baldrighi**, Zeppilli D., Crespin R., Chauvaud P., Pradillon F., Sarrazin J. (2017). *Colonization of synthetic sponges at the deep-sea Lucky Strike hydrothermal vent field (Mid-Atlantic Ridge): a first insight*. Marine Biodiversity: doi.org/10.1007/s12526-017-0811-3.
18. **Baldrighi E**, Giovannelli D, D'Errico G, Lavaleye M and Manini E (2017). *Exploring the Relationship between Macrofaunal Biodiversity and Ecosystem Functioning in the Deep Sea*. Frontiers in Marine Science : [doi: 10.3389/fmars.2017.00198](https://doi.org/10.3389/fmars.2017.00198).

19. **E. Baldrighi** and E. Manini (2015). *Deep-sea meiofauna and macrofauna diversity and functional diversity: are they related?*. Marine Biodiversity. DOI: [10.1007/s12526-015-0333-9](https://doi.org/10.1007/s12526-015-0333-9)

20. **E. Baldrighi**, M. Lavaleye, S. Aliani, A. Conversi, E. Manini (2014). *Large spatial scale variability in the bathyal macrobenthos abundance, biomass, α - and β -diversity along the Mediterranean continental margin*. PLoS ONE 9(9): e107261. doi:[10.1371/journal.pone.0107261](https://doi.org/10.1371/journal.pone.0107261).

21. D. Giovannelli, M. Molari, G. d'Errico, **E. Baldrighi**, C. Pala, E. Manini (2013). *Large-scale distribution and activity of prokaryotes in deep-sea surface sediments of the Mediterranean Sea and the adjacent Atlantic Ocean*. PLoS ONE 8(8): e72996. doi:[10.1371/journal.pone](https://doi.org/10.1371/journal.pone).

22. **E. Baldrighi**, S. Aliani, A. Conversi, M. Lavaleye, M. Borghini, E. Manini (2013). *From microbes to macrofauna: an integrated study of different deep benthic communities and their response to environmental variables along the Malta Escarpment (Ionian Sea)*. Scientia Marina. doi: [10.3989/scimar.03811.03B](https://doi.org/10.3989/scimar.03811.03B).

Pre-prints

23. **E. Baldrighi**, D. Giovannelli, G. D'errico, MSS. Lavaleye, E. Manini. *Deep-Sea ecosystem: a world of positive species interactions?* Biogeoscience Discussion, doi: 10.5194/bg-2016-26

ACCEPTED

24. F. Rebecchi, D. Zeppilli, **E. Baldrighi**, A. Di Cosmo, G. Polese, A. Pisaniello, J. Grall. *First insights into meiofauna community of maerl bed in the Bay of I Brest (Brittany)*. Scienza Marina – IN PRESS - Scientia Marina 86(1) March 2022, <https://doi.org/10.3989/scimar.05230.024>

25. F. Alvisi, **E. Baldrighi**, S. Merlino, M. Locritani, M. Panfili, S. Colella, S. Bronco, F. Cicogna, S. Coiai, E. King. *Walking on the Sea Traces: a Citizen Science platform to bring Ocean Literacy at home during the lockdown period*. Mediterranean Marine Science Journal - special issue on Ocean Literacy. – IN PRESS - <https://ejournals.epublishing.ekt.gr/index.php/hcmr-med-mar-sc/article/view/26931>

LANGUAGES

Italian: mother tongue; English: fluent oral and written; French: good oral and written

PRIVACY POLICY

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Rome, 09/06/2020

Elsa Falotigli