



Agreement on the Conservation of Cetaceans of the Black Sea, Mediterranean Sea and contiguous Atlantic area, concluded under the auspices of the Convention on the Conservation of Migratory Species of Wild Animals (CMS)

Accord sur la Conservation des Cétacés de la Mer Noire, de la Méditerranée et de la zone Atlantique adjacente, conclu sous l'égide de la Convention sur la Conservation des Espèces Migratrices appartenant à la Faune Sauvage (CMS)



Seventh Meeting of the Parties to ACCOBAMS

Istanbul, Republic of Turkey, 5 - 8 November 2019

01/10/2019

English

Original: English

ACCOBAMS-MOP7/2019/Doc27

PANELS OF EXPERTS FOR THE FOLLOW UP COMMITTEE

PANELS D'EXPERTS POUR LE COMITE DE SUIVI DES OBLIGATIONS

*Delegates are kindly invited to bring their own documents to the Meeting.
This document will be available only in electronic format during the Meeting.*

PANELS OF EXPERTS FOR THE FOLLOW UP COMMITTEE

EXPERTS FROM PARTIES

Since Mr. Moustafa Fouda (Egypt) and Ms. Nadia Deckert (France) have been elected in 2016 by the Parties as full-term member, their terms have commenced at the end of MOP6 and will run until the end of MOP8.

Parties will be asked to elect by secret ballots 1 member from candidates proposed by Parties:

EXPERTS PARMIS LES PARTIES

Étant donné que M Moustafa Fouda (Egypte) and Mme. Nadia Deckert (France) ont été élus en 2016 par les Parties comme membre avec un mandat complet, leur mandat ont commencé à la fin de la MOP6 et courent jusqu'à la fin de la MOP8.

Les Parties seront invitées à élire à bulletin secret 1 membre parmi les candidats proposés par les Parties :

PARTIES	Proposed candidates / Candidats proposés
ALBANIA / ALBANIE	-
ALGERIA / ALGERIE	Ms. Souad LAMOUTI
BULGARIA / BULGARIE	-
CROATIA / CROATIE	-
CYPRUS / CHYPRE	-
EGYPT* / EGYPTÉ	
FRANCE* / FRANCE	
GEORGIA / GEORGIE	Mr. Zurab GURIELIDZE
GREECE / GRECE	-
ITALY / ITALIE	-
LEBANON / LIBAN	-
LIBYA / LIBYE	-
MALTA / MALTE	-
MONACO / MONACO	-
MOROCCO / MAROC	Ms. Imane TAI
MONTENEGRO / MONTENEGRO	-
PORTUGAL / PORTUGAL	-
ROMANIA / ROUMANIE	-
SLOVENIA / SLOVENIE	-
SPAIN / ESPAGNE	-
SYRIA / SYRIE	-
TUNISIA / TUNISIE	-
UKRAINE / UKRAINE	-

Relevant *curricula vitae* are presented in [Annex I](#) / Les *curricula vitae* sont présentés en [Annexe I](#)

*** The Committee members elected by the Parties shall not include more than one national of the same Party. Since Mr Moustafa Fouda and Ms Nadia Deckert were candidates proposed respectively by Egypt and France, these two Countries cannot propose another candidate.**

** Les membres du Comité élus par les Parties ne doivent pas comprendre plus d'un ressortissant d'un même Pays Partie. Étant donné que M. Moustafa Fouda et Mme Nadia Deckert étaient des candidats proposés respectivement par l'Égypte et la France, ces deux pays ne peuvent pas proposer d'autre candidat.*

EXPERTS FROM PARTNERS

Since Mr. Tilen GENOV has been elected in 2016 by the Partners as full-term member, his term has commenced at the end of MOP6 and runs until the end of MOP8.

Partners will be asked to elect by secret ballots 1 member from candidates proposed by Partners:

EXPERTS PARMIS LES PARTENAIRES

Étant donné que M. Tilen GENOV a été élu en 2016 par les Partenaires comme membre avec un mandat complet, son mandat a commencé à la fin de la MOP6 et court jusqu'à la fin de la MOP8.

Les Partenaires seront invités à élire à bulletin secret 1 membre parmi les candidats proposés par les Partenaires :

PARTNERS / PARTENAIRES	Proposed candidates / Candidats proposés
CIMA Research Foundation	Ms. Aurelie MOULINS
Marine Protected Area "Capo Carbonara"	Mr. Fabrizio ATZORI

Relevant curricula vitae are presented in [Annex II](#) / Les *curricula vitae* sont présentés en [Annexe II](#)

ANNEX 1 / ANNEXE 1**Curricula vitae of candidates proposed by Parties / Curricula vitae des candidats proposés par les Parties**

PARTIES	Proposed candidates	Pages
ALGERIA	Ms. Souad LAMOUTI	5
GEORGIA	Mr. Zurab GURIELIDZE	9
MOROCCO	Ms. Imane TAI	15

CURRICULUM VITAE

Souad LAMOUTI

Home address : 53 rue Youghourta Algiers, Algeria

Mobil phone number: +213 772365757

Email address: souad.lamouti@Gmail.com

Date of birth: December 3th 1978

Place of birth: Algiers

EDUCATION

- *In progress* : Doctoral studies in *Biological oceanography and marine environment*, (FSB/USTHB)
- 2006-2010: Magister in *Biological oceanography and marine environment*, (FSB/USTHB)
- 2003-2006: engineer studies in marine sciences: *marine environnement* (ISMAL)
- 1996-2000: Applied university studies diploma in marine sciences: *marine Ecology* (ISMAL)
- 1995-1999: Licence in Archeological prehistory.
- 1996 : Baccaureate : Option : nature and life sciences.
- 1995 : Baccaureate : Option : nature and life sciences.

THESIS WORKS

- In progress: **Mapping benthic biocenosis, remarkable habitats and Alien species in the Algerian coast**
- 2010 : Magister thesis, ***Contribution to the development of biocenotical maps in the central region of the Algerian coast using In-situ observations and remote sensing.***
- 2006: Engineer thesis: **Mapping *Posidonia oceanica* beds in the PAC Area, Thalassothérapie center Bearch , Sidi Fredj (Algeria)**
- 2003: DEUA thesis: **Contribution the the knowledges of *Posidonia oceanica* beds ichtyofauna in Bouismail's Bay (Algeria)**
- Prehistoric archeology licence: **Study of Taza I cave bones remains (Fish, amphibians, Birds, reptiles , mamals and humans)**

PROFESSIONAL EXPERIENCES :

Research:

- From 2011: **Researcher, Fisheries Department (CNRDPA)**
- (In progress) : expert in charge of the
- Study for the classification of the Marine part of the Edough monts, Annaba , ALGERIA, GIZ/GENBI (component B)
- (In progress) Head of project : Environmental Study update and management recommendation tools for the classification of the Gouraya National Park marine area, Bejaia, Algeria, PNG-MED /MPA NET-WORK ,
- 2010 : Head of project: Monitoring of *Posidonia oceanica* beds, remarkable habitats and invasive species from Bounettah island (Reghaia, Algiers), APPL, Wilaya of Algiers.
- 2007 : Head of project setting up monitoring networks of *Posidonia oceanica* meadows, remarkable habitats and invasive species in the wilaya of Algiers as part of the SMAP3 project (APPL / CIRSA)

Teaching:

- 2010-2011 : Tutorial, Applied bioinformatics, FSB/USTHB.
- 2007-2009 : Practical works, office , FSB/ USTHB
- 2007-2008 : Tutorials, Histology, INESSM

PUBLICATIONS

- Lamouti S. & Bachari N. E. I (2011) ***Bursatella leachii, De Blainville, 1817 in Algeria***. In Eleftheriou, A., Anagnostopoulou – Visilia, E., Anastasopoulou, E., Ates, A., Bachari, N., Cavas, L., Cevik, C., Ulha, M., Cevik, F., Delos, A., Derici, O., Erguden, D., Fragopoulou, N., Giangrande, A., Goksan, T., Gravili, C., Gurlek, M., Hattour, A., Kapiris, K., Kouraklis, P., Lamouti, S., Prato, E., Papa, L., Papantoniou, G., Parlapiano, I., Poursanidis, D., Turan, C., & Yaglioglu, D. (2011). ***New Mediterranean Biodiversity Records (December 2011)***. *Mediterranean Marine Science*, 12(2), 491-508.
- Lamouti S. & Bachari N. E. I (2011) **Répartition de deux espèces introduites à caractère invasif dans la région centre de la côte algérienne *Caulerpa racemosa* et *Oculina patagonica***. Bulletin du centre national de développement des ressources biologiques (CNDRB), numéro spécial.
- Lamouti s. & Gasmi M (2010) **Caractérisation et surveillance de l'herbier à *Posidonia oceanica* de l'ilot de Bounettah (Reghaïa, Algérie)**, 4ème symposium méditerranéen sur la végétation marine, Hammamet du 02 au04 décembre 2010, CAR/ASP.

COMMUNICATIONS IN SCIENTIFIQUE MEETINGS

- Lamouti S. (2017) **Contribution à la connaissance de la diversité et de la répartition des cétacés de la cote algérienne**, Quatrième Conférence ACCOBAMS sur la conservation des cétacés dans les Pays du Sud de la Méditerranée, 11-13 Novembre 2017, Oran, Algérie.
- Lamouti S. & Bachari N. E. I (2016) **Apport de la télédétection et des observations in-Situ à la cartographie d'habitats marins d'intérêt pour la pêche artisanale dans la Baie de Bou Ismail**, construire un avenir pour une pêche artisanale durable en Méditerranée et en mer Noire Conférence régionale, 7-9 mars 2016, Alger, Algérie (FAO/CGPM)
- Lamouti S. & Bachari N. E. I (2013) **Distribution of introduced marine species along the coasts of algiers and tipaza**, 4ème congrès international des populations et des communautés animales dynamique et biodiversité des écosystèmes terrestres et aquatiques du 19 au 21 novembre 2013, Taghit (Bechar) Algérie, 19-21 Novembre, 2013
- Lamouti S. & Bachari N. E. I (2013) **Mapping marine vegetation in the central region of the algerian coast**, 4ème congrès international des populations et des communautés animales dynamique et biodiversité des écosystèmes terrestres et aquatiques du 19 au 21 novembre 2013, Taghit (Bechar) Algérie, 19-21 Novembre, 2013
- Lamouti S. & Bachari N. E. I (2013) **Utilisation des méthodes d'observation in Situ et de télédétection optique pour la cartographie des biocénoses benthiques dans la région centre de la cote algérienne**, 39ème Anniversaire de l'USTHB, Avril 2013
- Lamouti S. & Bachari N. E. I (2013) **Méthodes de cartographie des biocénoses benthiques, habitats remarquables et espèces invasives dans la région centre de la côte algérienne**. Séminaire Hebdomadaire du centre national de développement des ressources biologiques (CNDRB), Mars 2013.
- Hemida F., Chemli M., Ouhammou M., Lamouti S., Cherabi O. (2011) **Les Brachyours de la région d'Alger : Inventaire et dynamique de quelques populations**. Congrès de la société zoologique de France, Nice 13-16 septembre 2011.
- Lamouti s. & Bachari N.E.I (2011) **Records of alien species along the algerian coast (central region)**, 7th international conference on marine bioinvasions, Barcelona 23-25, August, 2011
- Lamouti s. & Bachari N.E.I (2010) **Combinaison de télédétection spatiale et plongée sous-marine pour le développement des cartes biocénotiques**. The International Conference on "Biodiversity of the Aquatic Environment "Towards a Diverse and Sustainable World", 13-15 December, 2010, Lattakia- Syria
- Lamouti s. & Gasmi M (2010) **Caractérisation et surveillance de l'herbier à *Posidonia oceanica* de l'ilot de Bounettah (Reghaïa, Algérie)**, 4ème symposium méditerranéen sur la végétation marine, Hammamet du 02 au04 décembre 2010, CAR/ASP.

- Lamouti s. & Bachari N.E.I (2010) **Combinaison de télédétection spatiale et plongée sous-marine pour le développement des cartes biocénotiques**, congrès international sur la gestion des ressources halieutiques, Alger 29 et 30 novembre 2010, ENSSMAL - Lamouti s. & Bachari N.E.I (2010) ***Oculina patagonica* (De Angelis, 1908), dans la région centre de la côte algérienne**, 2eme colloque international sur la biodiversité et les écosystèmes littoraux, Oran 28-30 novembre 2010, Irse /Université d'Oran.

TRAININGS AND WORKSHOPS

In marine sciences:

- 2019 : Atelier de formation **EcAp-MED II/ASI** sur l'estimation de l'abondance des cétacés, February 25-28th 2019 Bizerte, Tunisia
- 2018: **The QUIETMED training workshop addressing the practical aspects related to the implementation of a regional monitoring programme of underwater noise**, 22-24 October 2018, Malta.
- 2018 : **Workshop régional sur le renforcement des capacités des pays francophones de l'Afrique du Nord dans l'identification rapide des espèces marines non indigènes moyennant le code barre de l'ADN**, Tunis, 26 septembre au 03 octobre 2018 (INAT).
- 2018: **1st ODYSSEA Summer School Operational Oceanography for Science, Business and Society**, Nea Karvali, Greece 3-12 September 2018 (Domesticus University of Thrace)
- 2018: **ACCOBAMS SURVEY INITIATIVE : Aerial observers workshop**, 23-28 Mai 2018, Cuers-France
- 2017 OTGA/ISRA-CRODT **Gestion des données sur la biodiversité marine (OBIS) Training Course** 17 - 20 July 2017, Dakar, Sénégal
- 2016: **Advanced training school on sustainable Blue Growth in the Mediterranean and the black sea countries**, Trieste, Italy 4-8 juillet 2016(OGS)
- 2016: **Atelier de Formation sur l'Approche Eco systémique des Pêches (AEP) Tunis, Tunisie, 11 – 15 Avril 2016 (FAO/Copemed-INSTM)**
- 2012 : **The First Gozo international BioDivMex Workshop: Mediterranean Biodiversity and sustainable development**, September 9-15, 2012, Gozo, Malta. (CNRS/ University of Malta)
- 2010 : **Analyses multidimensionnelles exploratoires en environnement** à l'observatoire océanologique de Ville Franche sur mer (UPMC, France)
- 2007 : **Stage d'écologie dans le parc national d'El Kala** (FSB/USTHB)
- 2004 : **Stage d'écologie méditerranéenne ECOMED 2004** à l'observatoire océanologique de Banyuls sur mer. (UPMC, France)

In archaeology:

- 2005 : **Underwater Archeology training , Algiers.** (EUROMED Heritage II /sous projet n°6)
- http://www.archeonavale.org/Alger_2005/index_an.php
- 2004 : **Underwater Archeology training , Malta.** (EUROMED Héritage II sous projet n°6)
- http://www.archeonavale.org/Malte_2004/index_an.php
- 2002 : **Excavation at Ain Hanech**, Sétif (Institut d'Archéologie)
- 1999 : **Excavation at Ain Hanech**, Sétif (Institut d'Archéologie)
- 1998 : **Saharian prehistory training, Djanet**, Illizi (Institut of Archéology)

In GIS and remote sensing:

- 2014 : Short course : **Principals and applications of GIS and remote sensing**. September 25th to November 28th 2014, ITC, Faculty of Geoinformation Science and Earth Observation, University of Twente, Enschede, Pays-Bas

FIELD EXPERIENCE

- 2018: **ACCOBAMS SURVEY INITIATIVE : Aerial Survey**, 30juin au 31 Juillet 2018, Balearic Island -Algeria.
- 2018: **ACCOBAMS SURVEY INITIATIVE : Boat Survey**, 08-21 juin 2018, Offshore Algeria, Research vessel « Song of the whale » (MCR)
- 2016: **Survey for the ecological caracterisation of the Cap lindless marine part**, Oran, Research vessel Belkacem Grine (CNRDPA)
- 2015 : **Ecosystem survey for the small pelagic stock assessment, ECOSYS – CENTRE2015**, Research vessel Belkacem Grine (CNRDPA)
- 2015 : **Ecosystem survey for the small pelagic stock assessment, ECOSYS – OUEST2015**, Research vessel Belkacem Grine (CNRDPA)
- 2015 : **Mission for alive sharks investigations « Expédition Grands Requins du Bassin Algérien (GREBA) »**, Skikda 14-20 Juin2015 (CNRDPA, ENSSMAL, Longitude181)
- 2013: **Pilot survey for the assesement of selectivity of square mech trawl net**, Professional Fishing boat Mimouna –Rabha , Bouzedjar (CNRDPA/ CopeMedII)
- 2012 : **Demersal stock assesement survey along the algerian coast, ALDEM2012**, Research vessel Belkacem Grine (CNRDPA)
- 2011 : **Hydroacoustic survey survey for the small pelagic stock assessment along the algerian coast, ALPEL 2011**, Research vessel Belkacem Grine (CNRDPA)
- 2010 : **Dives for observations and samplingq , Algiers and Tipaza**, projet ARCUS intitulé "Inventaire de la Biodiversité Marine sur les côtes méditerranéennes d'Afrique du Nord", USTHB/ "TETHYS
- 2004 : **Dives for observations and sampling befor the instalation of aquaculture farm** CNDPA.
- 2000 : **Beam trawling survey in Bou Ismail Bay (Tipaza, Algeria) in order to study the ichtyofauna of *Posidonia oceanica* beds** (ISMAL)
- 2000 : **survey for monitoring of *Posidonia oceanica* bed in El Djamila bay** (Algiers)
- 1999 : **Survey in the Bays of Algiers and Bou Ismail** (zooplankton sampling - Water sampling - Fishing - Species identification and storing - Echosounding) Mohamed Essedik Ben Yahiya oceanographic ship (ISMAL).

LANGUAGE

Arabic (native speaker), Frensh (native speaker), English (Good level), Spanish (Basic Level)

Computer science

Operating systems: Windows, Mac Os X

Softwares:

Microsoft office (Excel, Word, Power Point), (good level)

Abobe Photoshop, Adobe Première (average) I)

ENVI, Echoview, ERDAS, Surfer, ARCGIS, QGIS (Average level)

Statistica, R (Basic Knowledges)

Diving

- 2006: ** CMAS diving instructor
- 2002: * CMAS diving instructor
- 2000: *** CMAS Diver
- 1999: ** CMAS Diver
- 1998: * CMAS Diver

Other

Fist Aids certificate (Algerian Red Crescent)

Boat Driving licence, Category « A »

Helicopter Underwater Escape training (INPP, France)

Fill out Form



Instruction

Please, fill all the required data with the following font: Sylfaen (size 11)

Name, Surname Zurab Gurielidze

Department, Discipline, Academic Status

In this field, please indicate discipline (specialization) and academic degrees (rank): full, associate, assistant professor, researcher, associate researcher, assistant researcher or other.

Full professor; Conservation Biology

Position

Please specify administrative (or other) position at the University or University Research Institutes or Centers.

professor of the Institute of Ecology (The Program for the Ecology and Conservation of Large Mammals) , Ilia State University

About

Biography

Graduated from Tbilisi (Ivane Javakishvili) State University (Biology, zoology) (1981). PhD in Zoology from Institute of Zoology, Georgian Academy of Sciences, 1999. The doctoral research on the Natural Mechanisms of Red Deer Population Regulation in Lagodekhi Reserve.

Studied in Jercey Wildlife Conservation Trust (Great Britain) (1997) where was certified as specialist in Breeding and management of Endangered Species. Graduated Endangered Species Recovery postgraduate programme (University of Kent) (1997) with diploma in Conservation of Endangered Species.

Work Experience:

NACRES (Biodiversity Conservation and Research/ non-governmental organization) (1989-2002);

Institute of Zoology, Georgian Academy of Sciences (1989-2002)

Invitee lecturer in Tbilisi State University (Course: Wildlife Management) 2004-2006

Senior Technical Specialist; Georgian Protected Areas Development Center (2002-2006)

Since 2006 Tbilisi Zoo Director

Since 2006 till 2013 associate professor at Ilia State University

Since 2013 full professor at Ilia State University, Institute of Ecology, Program for the Ecology and Conservation of Large Mammals

Has been involved in over 15 international projects in field of Conservation Biology

Since 2000, scientific council member of the Convention on the Conservation of Migratory Species of Wild Animals (Bone Convention);

Studies largely in conservation biology of large mammals and in ecology of predator-prey interactions

Scientific interests / research interests

- Conservation Biology
- Ecology of predator-prey interaction
- Black Sea Cetacean
- Black Sea Habitat Assessment
- Endangered Large Mammals
- Human-Carnivore conflict

Publications

Alexander Gavashelishvili, Yuriy A Yarovenko, Elmar A. Babayev, Giorgi Mikeladze, Zurab Gurielidze, Davit Dekanoidze, Niko Kerdikoshvili, Levan Ninua, Nika Paposhvili. 2108. Modeling the distribution and abundance of eastern tur (*Capra cylindricornis*) in the Caucasus. *Journal of Mammalogy*, xx(x):1–13, 2018 DOI:10.1093/jmammal/gyy056

Kopaliani N., Shakarashvili M., Gurielidze Z., Qurkhuli T., Tarkhnishvili D. 2014. Gene flow between wolf and shepherd dog populations in Georgia (Caucasus). *Journal of Heredity*/ doi: 10.1093/jhered/esu014

Murtskhvaladze M, Gurielidze Z, Kopaliani N, Tarkhnishvili D. 2012. Gene introgression between *Gazella subgutturosa* and *G. marica*: limitations of maternal inheritance analysis for species identification with conservation purposes. *Acta Theriologica*, 2012

Kopaliani N. & Gurielidze Z. 2009. Status of Turkeys in Georgia and Conservation Action Plan CEPF, WWF. assets.panda.org/downloads/cepf_caucasus_web_1.pdf

Lukarevsky V, Akkiev M, Askerov E, Agili A, Can E, Gurielidze Z, Kudaktin A, and Yarovenko Y. 2007. Status of the Leopard in the Caucasus. *CAT News Special Issue 2 – Caucasus Leopard*. Stampfli Publikationen AG, Bern, Switzerland

http://www.catsg.org/fileadmin/filesharing/3.Conservation_Center/3.2.Status_Reports/leopard/Lukarevsky_et_al_2007_Status_of_the_Leopard_in_the_Caucasus.pdf

Gurielidze Z. 2004. Red Deer : Natural Mechanisms of Population Regulation. *Proceedings of the Institute of Zoology (Georgian Academy of Science) Tbilisi*

Гуриелидзе З., Мачарашвили И., Лорткипанидзе Б. 2003. Результаты исследования охотничьих угодий. Консервация Аридных и Семиаридных Экосистем Закавказья. Сборник Научных Трудов, NACRES, Тбилиси 2003.

Мачарашвили И., Гуриелидзе З., Лорткипанидзе Б. 2003. Инвазивные виды млекопитающих аридных и семиаридных экосистем Восточной Грузии. Консервация Аридных и Семиаридных Экосистем Закавказья. Сборник Научных Трудов, NACRES, Тбилиси 2003.

Лукаревский В., Аскеров Э., Гхазарян З., Гуриелидзе З., Малхазян А. Мачарашвили И. 2003. Состояние популяции леопарда в Закавказье. Материалы Международного Совещания. VII съезд Териологического Общества. Москва, 2003. 400 с.

Badridze J., Butkhuzi L., Gurielidze Z. 1998. Population Assessment of the Striped Hyena in Georgia. "Russian conservation news" vol 12. Moscow

Badridze J. Gurielidze Z. Butkhuzi L, Kopaliani N. 1998. Wolf II: Formation of predatory and hunting behavior in the captive raised wolves. *Metsniereba*. Tbilisi

National Biodiversity Conservation Reports

Kopaliani N., Gurielidze Z., Javakhishvili Z., Devidze N., Ninua L., Dekanoidze D., Shvelidze T. 2017. Cetacean Survey in Nearshore Waters of Anaklia (Black Sea, Georgia). Funded by the Anaklia Development Consortium

Kopaliani N., Gurielidze Z., Devidze N., Ninua L., Dekanoidze D., Javakhishvili Z. 2015-2017 Monitoring of Black Sea Cetacean in Georgian Waters and Indication of Core areas in Georgian Black Sea. Report for the Ministry of Natural Resources and Environment Protection of Georgia. Supported Kolkheti Protected Areas' Development Fund

Kopaliani N, Gurielidze Z, Devidze N, Shakarashvili M. 2016. Action Plan for the Conservation of Black Sea Cetacean In Territorial Waters of Georgia (for the Ministry of Natural Resources and Environment Protection of Georgia). Supported Kolkheti Protected Areas' Development Fund

Gurielidze Z., Kopaliani N., Devidze N., Ninua L., Dekanoidze D., Javakhishvili Z., Paposhvili N., Qerdikoshvili N. 2014. Monitoring of Black Sea Cetacean in Georgian Waters. Report for the Ministry of Natural Resources and Environment Protection of Georgia. Supported by Kolkheti Protected Areas' Development Fund

Gurielidze Z., Kopaliani N., Devidze N., Shakarashvili M. Javakhishvili Z. 2012. Black Sea Biodiversity. Situation Analysis. NBISEP. Supported by GIZ (Die Deutsche Gesellschaft für Internationale Zusammenarbeit)

Courses

- **Current Courses**

✓Please specify the courses you currently teach Along with the course title, indicate period (academic year / semester) and level (bachelor's / master's / doctoral).

Bachelor's level

Predator-prey interactions in ecosystem (spring semester)

Master's Level

Marine ecosystems (Autumn Semester)

Monitoring of animal species (Spring Semester)

Species Conservation (Spring Semester)

- **Course Catalog**

✓Please specify the courses, taught in the past years. Along with the course title, indicate period (academic year / semester) and level (bachelor's / master's / doctoral). Courses should be arranged in chronological order, from the oldest to the newest.

Bachelor's level

Predator-prey interactions in ecosystem (Spring semester) Since 2011

Diversity of life. Since 2006 till 2008

Master's Level

Marine ecosystems (Autumn Semester) Since 2014

Monitoring of animal species (Spring Semester) Since 2008

Species Conservation (Spring Semester) Since 2008

Population Viability Analysis Since 2007 till 2010

Additional Information

Since 2009 supervised 11 MSC thesis

Participation in international scientific forums

Conservation and ecology of chamois in Georgia. Chamois International Congress. Majella National Park. Lama dei Peligni. Abruzzo, Central Italy. 17th-20th June 2014.

Convention of Migratory Species (CMS) Scientific Council Meeting. 2013. Bonn. Germany

ACCOBAMS Regional Meeting. Conservation Status of Black Sea Cetaceans. 2012. Istanbul, Turkey.

Convention of Migratory Species (CMS) Scientific Council Meeting. 2010. Bergen. Norway

Contact Information

- **E-mail** zurab_gurielidze@iliauni.edu.ge; zgurielidze@zoo.ge

- **Telephone No.**
(+995 99) 56 80 31

-
- **Address and Room**

- **Personal website**

✓Indicate if applicable.

-
- **CV * Pdf**

✓Upload your resume (CV).

TAI Imane

Née le 31/03/1972 à Casablanca,

Mariée et mère de deux enfants

05, Rue an 20, Résidence Amiane, Avenue

Mehdi Ben Barka Casablanca, Maroc

GSM : (+212) 06 72 82 74 16

Email: taiimane.it@gmail.com



CHERCHEUR AU LABORATOIRE DE BIOLOGIE-ÉCOLOGIE

CHARGÉE DE LA COORDINATION DU RÉSEAU DE SUIVI DES ÉCHOUGES

A L'INSTITUT NATIONAL DE RECHERCHE HALIEUTIQUE

Cursus universitaire

- 2015 :** **Doctorat Es- Sciences (Spécialité Ecologie Marine)**
Université Mohammed V-Agdal, Faculté des Sciences, Rabat
Titre de la thèse : «Peuplements démersaux et épibenthiques des fonds chalutables de la côte nord atlantique marocaine»
- 2006 :** **Diplôme d'Etudes Supérieures Approfondies en Ecosystème Marins et Côtiers**
Université Hassan II, Faculté des Sciences Ain chock Casablanca
Titre du mémoire : «Contribution à l'étude de la biologie et de l'exploitation de la raie étoilée Raja asterias (Delaroche, 1809) de la côte nord atlantique marocaine (Larache-Agadir)»
- 1995 :** **Licence Es-Sciences en Biologie Animale**
Université Hassan II, Faculté des Sciences Ain chock Casablanca

Expérience professionnelle

- Depuis janvier 2015** Chargée de la coordination du Réseau de Suivi des Echouages (mammifères marins, tortues marines, requins...) ; Intervention sur les échouages (collecte des informations et prélèvement des échantillons, compilation et centralisation de la base de données) ; Suivi des Cétacés en mer, Observation aérienne de la mégafaune marine dans le cadre du projet Accobams survey Initiative ; Impliquée dans l'étude de la biodiversité marine ;
- Décembre 2010 – Décembre 2014** Affectée au Laboratoire de Biologie Ecologie, chargée de l'étude de la biodiversité marine ; suivi des espèces marines menacées et des mammifères marins ;
- Janvier 2007 - Décembre 2010** Affectée au Laboratoire d'Evaluation et de Prospection des Ressources Démersales, chargée du suivi et de l'évaluation des

pêcheries démersales ;

Décembre 1999 - Janvier 2007 Affectée au laboratoire de Suivi des Ressources et leur Exploitation chargée du suivi et de l'évaluation des pêcheries crevettière et merluttière ;

Juin 1997- Décembre 1999 Affectée au Service Démersal Nord, chargée du suivi direct et indirect du merlu blanc et de la crevette rose.

Domaine de compétence

Habitats essentiels et connectivité avec les poissons de fond	Acquisition des connaissances nouvelles sur la biodiversité des zones d'interface et identifier leur importance pour la pêche. Caractérisation de l'ichtyofaune (juvénile), la macrofaune benthique et la microfaune planctonique et leur variabilité intra et interannuelle , analyse de la structuration des réseaux trophiques (estomacs et isotopes stables). Etudier la connectivité entre les poissons des sites et ceux du plateau ;
Observation en mer et aérienne des cétacés et tortues marines	Suivi et observation de la mégafaune marine.
Suivi des échouages des Cétacés et des tortues marines	Intervention sur les échouages (Nécropsie, prélèvements des échantillons pour des études écologiques). Collecte de données et du matériel biologique.
Biodiversité marine et Ecologie	Suivi des espèces menacées (requins, raies...) ; Etude des peuplements épibenthiques et démersaux . Interactions trophiques. Organisation des communautés. Etude de la dynamique de la biodiversité exploitée ;
Biologie des pêches	Taxonomie et Biologie des ressources halieutiques : croissance reproduction et régime alimentaire.
Suivi des espèces exploitées	Campagnes de prospection par chalutage de fond ; campagnes multidisciplinaires ; Statistiques de pêche et échantillonnage au niveau des ports et sites de pêche.
Gestion et aménagement des pêcheries et des espaces marins	Dynamique des populations exploitées ; Gestion des stocks ; indicateurs globaux et spécifiques ; Contribution à l'évaluation des stocks. Suivi de la mise en place des Aires Marines Protégées (AMP-pêche) au Maroc. Contribution aux réunions et ateliers relatifs à la mise en place du plan stratégique 2011-2020 de la convention sur la diversité biologique.
Déploiement de la démarche qualité	Mise en place d'une démarche qualité selon le référentiel ISO 9001 version 2008, au niveau du laboratoire de Biologie-Ecologie

et élaboration des procédures et des instructions techniques ;
Mise en place des protocoles et procédures d'intervention sur les échouages d'espèces marines protégées.

Communication et organisation

Contribution à l'animation des forums, séminaires et manifestations organisés par l'INRH, coordination des programmes de recherche, Coordination du réseau-INRH de suivi des échouages des espèces marines protégées le long du littoral marocain.

Expertise scientifique

- Point de contact national Maroc à l'ECS (European Cetacean Society) ;
- Coordinatrice du Réseau de Suivi des Echouages INRH/Maroc;
- Point de contact Maroc du projet ACCOBAMS Survey Initiative ;
- Membre du comité de pilotage du projet pécaturisme et Whale Watching au Maroc ;
- Membre du comité de suivi des obligations de l'ACCOBAMS ;
- Chef du projet ACCOBAMS intitulé : Renforcement du réseau d'échouage des cétacés des côtes marocaines formation à leur gestion et création d'une banque de tissus ;
- Membre Du Comité National de Biodiversité (Maroc).

Stages et formations professionnelles

- Formation sur les techniques de suivi des cétacés en mer : conception de programmes de suivi des populations de cétacés, collecte des informations et traitement et analyse des données ;
- Formation sur la photo-identification et le traitement des bases de données des cétacés ;
- Formation sécurité H.U.E.T. (Helicopter Underwater Escape Training) ;
- Formation sur l'observation aérienne de la mégafaune marine (Cétacés, tortues marines, oiseaux marins, élastombranchés et grands poissons migrateurs) ;
- Formation sur la gestion des échouages des espèces marines et sur les méthodes d'hygiène et sécurité lors des interventions sur les échouages ;
- Formation sur les modèles écosystémiques : Ecopath, Ecosim ;
- Formation en techniques de photographie. INRH-CASA ;
- Formation sur l'Approche Écosystémique des Ressources Marines Exploitées, organisée par l'UMR 212 EME. Sète, France ;
- Formation en qualité à la norme ISO / CEI 9001V2008. INRH-CASA ;

- Formation pratique en métrologie. INRH-CASA ;
- Formation sur les modalités de gestion des Aires Marines Protégées (AMP) au profit des cadres et responsables du Département de la Pêche Maritime et Organismes sous tutelle, IAV Hassan II, Rabat ;
- Formation aux nécropsies de cétacés organisée par l'ACCOBAMS en partenariat avec l'INRH. Tanger ;
- Formation en cétologie (Identifications des espèces de cétacés, pathologie, menaces, mesures de conservation et techniques d'étude), organisée par l'ACCOBAMS en partenariat avec l'Université Chouaib Doukkali et l'INRH. El Jadida ;
- Formation au référentiel ISO 9001, dans le cadre de la mise en place de la démarche qualité au niveau des différents laboratoires de l'INRH, Casablanca ;
- Formation sur l'aménagement des pêcheries intitulée « Fisheries Oriented Resource Management » à Kotchi, Japon ;
- Cours sur l'identification des métiers et standardisation de l'effort de pêche, à Palma de Majorque (Espagne) ;
- Cours sur l'inférence statistique, Statistique descriptive et analyse de la variance ;
- Application des logiciels statistiques EXCEL et SPSS; initiation et perfectionnement.

Langues

Arabe (lu, écrit, parlé) ; **Français** (lu, écrit, parlé); **Anglais** (lu, écrit moyen, parlé moyen); **Espagnol** (lu, écrit moyen, parlé moyen).

Publications

Journaux à comité de lecture :

Masski H. and **Taï I.**, 2017. Exceptional leatherback sea turtle stranding events along the coast of Casablanca (Morocco) during 2015. Marine Turtle Newsletter No. 153, 2017. 22p.

Abdellaoui S., El Halouani H., **Taï I.**, Masski H., 2017. Resource partitioning within major bottom fish species in a highly productive upwelling ecosystem. Journal of Marine Systems 173 (2017) 1–8.

Abdellaoui S., Masski H., **Taï I.**, Halouani H., 2016. Food and feeding strategy of four fish species from the continental Moroccan Atlantic slope -Eastern Atlantic. RJPBCS 7(6) Page No. 1973. ISSN: 0975-8585.

Taï I., Masski H., Mérigot B., Benchoucha S., Abdellaoui S., Yahyaoui A., Bazairi H., 2015. Spatial distribution of demersal and epibenthic communities along the northern Atlantic waters of Morocco -North West Africa-, *J. Mater. Environ. Sci.* 6 (6) (2015) 1699-1708.

Abdellaoui S., Masski H., **Taï I.**, Labriej K., El Halouani H., 2014. Feeding habits of *Merluccius merluccius* L. and its variability factors in the Moroccan Atlantic Sea. *Journal of Biologie and Earth*, 2014, Vol 4, Issu 1, B 105-B112.

Taï I., Masski H., Benchoucha S., Yahyaoui A., Chaghif A. et Bazairi H., 2013. Diversité et répartition des espèces demersales et benthiques des fonds chalutables de la côte nord atlantique marocaine : cap Spartel (35°47'N) - baie d'Agadir (30°26'N). *Bull. Soc. zool. Fr.*, 138(1-4) : 305-322.

Benchoucha S., Bekkali M., Fahd A., Ramdani M., **Taï I.**, Talbaoui E., Abid N. et El Fanichi C. 2013. Contribution à l'étude du régime alimentaire de la crevette rose du large (*Parapenaeus longirostris*) au large de la côte atlantique marocaine. *Bull. Soc. zool. Fr.*, 138(1-4) : 213-227

Hilmi K., Kifani S., Orbi A., Makaoui A., Benazouz A. et **Taï I.**, 2012. Variabilité climatique au niveau de l'écosystème du courant des Canaries (10°N-36°N) à l'échelle interdécennale, p. 229-236. in GARCIA, S., TANDSTAD, M. & CAMELO, A.M.; eds. *FAO Fisheries and Aquaculture roceedings/FAO comptes rendus des pêches et de l'aquaculture*. N°. 18. Rome, FAO. 2012. 606 p.

Taï I., Ramdani M., Benchoucha S., et Yahyaoui A. 2011. Etude du régime alimentaire de la raie étoilée *Raja asterias*, Delaroche, 1809 dans la région nord atlantique marocaine *Bull. Soc. zool. Fr.*, 136(1-4) : 49-61.

Taï I., Benchrifi S., Zoubai A., Ramdani M., Yahyaoui A. et Bazairi H. 2010. Contribution à l'étude de la reproduction et de la croissance de la raie étoilée *Raja asterias* Delaroche, 1809 dans la région nord atlantique marocaine en 2005. *Bull. Inst. Scient., Rabat, section Sciences de la Vie*, 32 (2), 73-80.

HOCEIN, RAGHMANE SOUKAINA. FISH RECRUITMENT DYNAMICS WITHIN TWO MAJOR TRANSITIONAL ECOSYSTEMS OF THE NORTHERN MOROCCAN ATLANTIC. SIBIC 2018, Congress of the Iberian Society for Ichthyology , 12 - 16 juin 2018, Faro, Portugal.

Autres publications :

Bilan d'activité du réseau de suivi des échouages, 2019. Echouages des espèces marines protégées sur le littoral marocain en 2018

Hicham M., Ismaïl A., **Tai I.**, Kalmouni A., Bazairi H., Raghmane S. 2018 Fish recruitment dynamics within two major transitional ecosystems of the Northern Moroccan Atlantic. SIBIC 2018, Congress of the Iberian Society for Ichthyology, 12-16 juin 2018, Faro Portugal.

Ismail A., Hicham M., **Taï I.**, Kalmouni A., Raghmane S., Bazairi H., 2018 First record of *OREOCHROMIS NILOTICUS* in Merja Zerga lagoon: A Ramsar site of the northern Morocco. SIBIC 2018, Congress of the Iberian Society for Ichthyology, 12-16 juin 2018, Faro Portugal.

Bilan d'activité du réseau de suivi des échouages, 2018. Echouages des espèces marines protégées sur le littoral marocain en 2017

Institut National de Recherche Halieutique (INRH), Guide des ressources marines au Maroc, Tome 2 : Algues, invertébrés, tortues et mammifères marins. Casablanca. 2017. 250 pages.

Bilan d'activité du réseau de suivi des échouages, 2017. Echouages des espèces marines protégées sur le littoral marocain en 2016

Bilan d'activité du réseau de suivi des échouages, 2016. Echouages des cétacés et tortues marines sur le littoral marocain en 2015. 20p.

Guide d'intervention sur les échouages des espèces marines protégées. 2016. 22p.

Fiches d'identification des principales espèces de cétacés, phoques, et tortues marines. 2016. 29p.

Taï I., Masski H., Malouli Idrissi M., 2016. Procédures et protocoles d'intervention scientifiques sur les échouages. 20p.

Masski H., **Taï I.**, 2016 Cétacés des côtes marocaines. Enseignements tirés de données d'échouages. Période 1980-2009. 34p.

Taï I., 2015. Peuplements démersaux et épibenthiques des fonds chalutables de la côte nord atlantique marocaine. Diversité biologique et structuration». Thèse de doctorat.

Institut National de Recherche Halieutique (INRH), Guide des ressources marines du Maroc, Tome 1 : Les poissons. Casablanca 2015. 558 p.

Taï I., Masski H., Manchih K., Abdellaoui S., Idrissi F. H., Benchoucha S., Malouli Idrissi M., 2015. Cas d'échouages signalés le long du littoral marocain. Bulletin Halieutique Ed. 2015. 44 p.

Taï I., Manchih K., Masski H., Benchoucha S., Malouli Idrissi M., 2015. Communautés à intérêt écologique. Bulletin Halieutique Ed. 2015. 44p.

Taï I., 2006. Contribution à l'étude de la biologie et de l'exploitation de la raie étoilée *Raja asterias* (Delaroche, 1809) de la côte nord atlantique marocaine (Larache-Agadir). Mémoire de DESA. 2006 ;

FAO, 2007. Contribution à l'élaboration du rapport du groupe de travail sur les espèces demersales. Gambie. COPACE/PACE, Novembre 2007.

FAO, 2004. Contribution à l'élaboration du rapport du groupe de travail sur les espèces demersales. Sénégal. COPACE/PACE, Septembre 2004.

FAO, 2003. Contribution à l'élaboration du rapport du groupe de travail sur les espèces demersales. Guinée. COPACE/PACE, Septembre 2003.


ANNEX 2 / ANNEXE 2**Curricula vitae of candidates proposed by Partners / Curricula vitae des candidats proposés par les Partenaires**

PARTNERS	Proposed candidates	Page
CIMA Research Foundation	Ms. Aurelie MOULINS	17
Marine Protected Area "Capo Carbonara"	Mr. Fabrizio ATZORI	23

PERSONAL INFORMATION

Aurelie Moulins

 Via Magliotto, 2, 17100 Savona (Italy)

 (+39) 019 230271

 aurelie.moulins@cimafoundation.org

 www.linkedin.com/in/aurelie-moulins-29878630  www.researchgate.net/profile/Aurelie_Moulins

Date of birth 22/10/1976 | Nationality French

WORK EXPERIENCE

01/01/2016–Present

Member of Editorial Board of Peer-Reviewed scientific journals

International Marine Science Journal

<https://openaccesspub.org/journal/imsj>

International Journal of Marine and Environmental Sciences

<https://www.cosmoscholars.com/journals/2017-04-30-09-02-00/international-journal-of-marine-and-environmental-sciences>

01/01/2014–Present

Researcher

CIMA Research Foundation, Savona (Italy)

www.cimafoundation.org

Associated Investigator of "GIAS - Gis and Artificial Intelligence for real-time forecasting, detection and surveillance of the sea at the service of cross-border navigation safety". Funds: INTERREG Italia-Francia Marittimo 2014-2020 (FESR). Duration: 3 years (2019-2022). <http://interreg-maritime.eu/it/web/gias/progetto>

Associated Investigator of "SICOMARplus - Transboundary system for safety at sea As part of the risks of navigation and environmental protection MARino". Funds: INTERREG Italia-Francia Marittimo 2014-2020 (FESR). Duration: 3 years (2018-2021). <http://interreg-maritime.eu/it/web/sicomarplus/progetto>

Principal Investigator of "EcoSTRIM - Eco-Sustainable Tourism Investments to stimulate and promote the competitiveness and innovation of the Marine cross-border cooperation activities". Funds: INTERREG Italia-Francia Marittimo 2014-2020 (FESR). Duration: 3 years (2018-2021). <http://interreg-maritime.eu/it/web/ecostrim/progetto>

Principal Investigator of "Predictability study of impacts provoked by bottom sludge during the construction of multipurpose platform: part 2 - assessment during dredging". Funds: Savona Port Authority. Duration: 3 years (2016-2018).

Principal Investigator of "Pelagos Noise Noise impact estimated from marine traffic on sperm whale (*P. macrocephalus*) and Cuvier's beaked whale (*Z. cavirostris*). Funds: Pelagos International. Duration: 1 year (2014).

Responsible of the Planification of the photo-identification course **and Professor** of the "Joint workshop on Estimating Cetaceans' Abundance" of ACCOBAMS & RAC/SPA, Bizerte (Tunisie), 25-28 February 2019.

Professor of the "Training on photo-identification and databases" of ACCOBAMS & RAC/SPA, Beyrouth (Liban), le 1-5 October 2018.

Main tasks: project management; marine in field data collection and analysis; archive and database management; Focal Point of Savona District for marine mammal stranding network; project writing; supervision of thesis for bachelor and master degree and PhD students.

01/06/2012–31/12/2013

Research collaborator

CIMA Research Foundation, Savona (Italy)

www.cimafoundation.org

Principal Investigator of "Analysis of the distribution and abundance of sperm whale (*Physeter macrocephalus*), Risso's dolphin (*Grampus griseus*) and Cuvier's beaked whale (*Ziphius cavirostris*)

in the Pelagos Sanctuary with the specific concerns about climate change and impacts of anthropogenic pressures". In collaboration with Politecnico di Milano. Funds: Ministero dell'Ambiente e della Tutela del Territorio e del Mare. Duration: 1 year (2013-2014).

Project Manager of "*ISHMAEL - Investigating sperm whale habitat in the marine environment of the ligurian-corsica sea: part 1 - monitoring design*". In collaboration with University of Genova. Funds: Fondation TOTAL (France). Duration: 6 months (2013).

Invited Expert: "MSFD Supporting document on the Initial Assessment on Cetaceans, including methodology, data used and results". Funds: CONISMA. Duration: 1 month (2012).

Co-Investigator CIMA Foundation's services: "Seawetra", "MaMaS"

Co-Investigator CIMA Foundation's projects: "Aboard ferries", "Ziphius", "Stranding Network"

Main tasks: marine infield data collection and analysis; sightings database management; geoserver/geonetwork management for marine data according to INSPIRE standards; Focal Point of Savona District for stranding network according to Ligurian Regional Action Plan; project writing; supervision of thesis for bachelor degree, master.

01/01/2011–31/05/2012

Post Doc

DIST Dipartimento di Informatica Sistemistica e Telematica, Università di Genova, Genoa (Italy)

www.dibris.unige.it

Principal Investigator of "*Monitoring-ferry: suivi saisonnier des populations de cétacés et validation de l'intérêt de REPCET en termes de monitoring*". Funds: Partie Française du Sanctuaire Pelagos (France). Duration: 24 months (2011-2012).

Principal Investigator of "*Study of pelagic cetaceans in the North East Sardinia: a priority bio-resource of the Archipelago of La Maddalena National Park and the International Marine Park of the strait of Bonifacio*". Funds: RAC/SPA. Duration: 6 months (2011).

Principal Investigator of "*Predictability study of impacts provoked by bottom sludge during the construction of multipurpose platform: part 1 - the ecosystem baseline conditions*". Funds: Savona Port Authority. Duration: 3 years (2010-2012).

01/02/2004–31/12/2010

Research Assistant

Centro interuniversitario di ricerca in monitoraggio ambientale (C.I.M.A.), Savona (Italy)

Principal Investigator of "*Predictability study of impacts provoked by bottom sludge during the construction of multipurpose platform: part 1 - the ecosystem baseline conditions*". Funds: Savona Port Authority. Duration: 3 years (2010-2012).

Co-Investigator of "*Behavior of the Ziphius (cycles of dive and surface). Distribution of the Ziphius*". In collaboration with GREC. Funds: Partie Française du Sanctuaire Pelagos (France). Duration: 1 month (2010).

Co-Investigator of "*Portofino - bottlenose dolphin monitoring*"
Funds: Marine Protected Area of Portofino & Italian Environment Minister. Duration: 1 year (2009).

Co-Investigator: "*Bottlenose Dolphin in N Tyrrhenian sea*"
Funds: Tuscan Archipelago & Capoliveri Municipality. Duration: 15 days (2007).

Marine Mammal Observer Team leader of "*GROSMARIN, seismic campaign in the Pelagos Sanctuary*". Funds: Géoazur, Université de Nice. Duration: 15 days (2007).

Academic teaching of Environmental Engineer degree course and Biology degree courses. Funds: University of Genoa. Duration: about 30h/year (2004, 2005, 2006)

Co-Organizer of the Course and Teacher of "*Pelagos whale-watching guide*" training. Funds: ISFORCOOP. Duration: 4 months (2009).

Co-Organizer of the 3 Courses and Teacher of "*Cetacean Monitoring Techniques*" courses. Funds: ACCOBAMS and Italian Environment Minister. Duration: 1 weeks each (2005,2006).

Main tasks: marine infield data collection and analysis; sightings database management; Project writing; supervision of thesis for bachelor and master degree.

01/09/2003–01/02/2004

Teacher in Côte d'Azur district

Academy of PACA

Biology teacher In College and High School.

01/07/2001–01/07/2003 **Research Assistant**
 Oceanographic Museum of Monaco, Monte Carlo (Monaco)
 Infield data collection and analysis of cetacean distribution in the Mediterranean sea.
 Museum animations about scientific campaign.

01/01/2001–31/06/2001 **Research Collaborator**
 Navy Medicine Institute (Institut de Médecine Navale du Service Santé des Armées)
 Boulevard Ste-Anne, Toulon (France)
Research investigation on on the effects of the long-term nitrogen protoxide narcosis on the behaviour.

EDUCATION AND TRAINING

01/09/2004–30/03/2008 **Ph. D. in Marine Biology with label Doctor Europeus**
 Université Claud Bernard Lyon I, Lyon (France)
 Title: " *Towards an integrated approach and management of pelagic biodiversity inside a Marine Protected Area: Case of the cetacean populations in the Pelagos Sanctuary (North-western Mediterranean Sea)*"
Main research institute: Research Interuniversity Centre in Environmental Monitoring (CIMA) - University of Genoa (ITALY)
Hosting research institute: IRD (France) – Duration: 9 months.



01/09/2000–30/06/2001 **Master degree (second year) Diplôme d'Etudes Approfondies**
 University of Aix-Marseilles II, Aix-Marseille (France)
Principal subjects: Physiology of extreme environments; Techniques of adaptation to extreme environments; Ecology of extreme environments

01/09/1999–30/06/2000 **Master degree (first year) Maîtrise de Biologie des Populations et Ecosystèmes**
 UPMC - University Pierre and Marie CURIE, Paris (France)
Principal Subjects: Oceanography

PERSONAL SKILLS

Mother tongue(s) 

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	C1	C1	C1	C1	C1
	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Operating systems (Windows, Androide): Proficient user

Microsoft Office: Proficient user

GIS Softwares (QGIS): Proficient user

Computing softwares (Matlab, R): Proficient user

Database Management softwares (PostgreSQL, PostGIS): Proficient user

Softwares for spatially web referenced resources (GeoServer, GeoNetwork, Geodata): Proficient user

Photo-identification softwares (Soc-prog/Mark): Proficient user

ADDITIONAL INFORMATION

Research interests

Cetacean ecology modelling; photo-identification; dynamics of marine ecosystems; coastal monitoring; webGIS platform and DB as conservation tools; development Marine Protected Area mitigation measures; spatial and temporal species distributions; marine biodiversity; population dynamics of marine population; biological conservation applications; marine traffic (AIS).

List of scientific publications

Chapters

[CB2] Azzellino A., Airolidi S., Gaspari S., Lanfredi C., **Moulins A.**, Podestà M., Rosso M. and Tepsich P. Risso's dolphin, *Grampus griseus*, in the Western Ligurian sea: trends in population size and habitat use. In: Mediterranean Marine Mammal Ecology and Conservation. Publisher: Advances in Marine Biology, Editors: Notarbartolo Di Sciarra G, Podestà M, Curry BE. Pages 205-232. DOI:10.1016/bs.amb.2016.08.003

[CB1] Podestà M., Azzellino A., Canadas A., Frantzis A., **Moulins A.**, Rosso M., Tepsich P. and Lanfredi C. Cuvier's beaked whale, *Ziphius cavirostris*, distribution and occurrence in the Mediterranean sea: high-use areas and conservation threats. In: Mediterranean Marine Mammal Ecology and Conservation. Publisher: Advances in Marine Biology. Editors: Notarbartolo Di Sciarra G, Podestà M, Curry BE. Pages 103-140. DOI:10.1016/bs.amb.2016.07.007

Peer-review articles

[PR16] Caruso F., Sciacca V., Parisi I., Viola S., de Vincenzi G., Bocconcelli A., Mooney TA., Sayigh L., Li S., Filiciotto F., **Moulins A.**, Tepsich P. and Rosso M., 2019 Acoustic recordings of rough-toothed dolphin (*Steno bredanensis*) offshore Eastern Sicily (Mediterranean Sea). The Journal of the Acoustical Society of America, 146(3):EL286-EL292. DOI: 10.1121/1.5126118.

[PR15] Cañadas A., Aguilar de Soto A., Aissi M., Arcangeli A., Azzolin M., Nagy AB., Bearzi G., Campana I., Chicote C., Cotte C., Crosti R., David L., Di Natale A., Fortuna C., Frantzis A., Garcia P., Gazo M, Gutierrez-Xarxa R., Holcer D., Laran S., Lauriano G., Lewis T., **Moulins A.**, Mussi B., Notarbartolo di Sciarra G., Panigada S., Pastor X., Politi E., Pulcini M., Raga JA., Rendell L, Rosso M., Tepsich P., Tomas J., Tringali M. and Roger Th., 2017. The challenge of habitat modelling for threatened low density species using heterogeneous data: The case of Cuvier's beaked whales in the Mediterranean. Ecological Indicators 85:128-136. DOI:10.1016/j.ecolind.2017.10.021.

[PR14] Morgado C., Martins A., Rosso M., **Moulins A.** and Tepsich P., 2017. Fin Whale Presence and Distribution in the Pelagos Sanctuary: Temporal and Spatial Variability Along 2 Fixed-Line Transects Monitored in 2009-2013. International Journal of Marine and Environmental Sciences 1(1):1-14. https://www.cosmosscholars.com/images/A_PDFS/IJMES/IJMES-V1N1A1-Tepsich.pdf

[PR13] Coomber F., **Moulins A.**, Tepsich P. and Rosso M., 2016. Sexing free-ranging adult Cuviers beaked whales (*Ziphius cavirostris*) using natural marking thresholds and pigmentation patterns. Journal of Mammalogy 97(3):879-890. DOI:10.1093/jmammal/gyw033

[PR12] Coomber F., D'Inca M., Rosso M., Tepsich P., Notarbartolo Di Sciarra G. and **Moulins A.**, 2016. Description of the vessel traffic within the north Pelagos Sanctuary: Inputs for Marine Spatial Planning and management implications within an existing international Marine Protected Area. Marine Policy 69:102-113. DOI:10.1016/j.marpol.2016.04.013

[PR11] Cominelli S., **Moulins A.**, Rosso M. and Tepsich P., 2015. Fin whale seasonal trends in the

Pelagos Sanctuary, Mediterranean Sea. *Journal of Wildlife Management* 80(3):490-499. DOI:10.1002/jwmg.1027

[PR10] Campana I., Crosti R., Angeletti D., Carosso L., David L., Di-Méglio N., **Moulins A.**, Rosso M., Tepsich P. and Arcangeli A., 2015. Cetacean response to summer maritime traffic in the Western Mediterranean Sea. *Marine Environmental Research* 109:1-8. DOI:10.1016/j.marenvres.2015.05.009

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[PR06] Rosso M., Ballardini B., **Moulins A.** and Würtz M., 2011. Natural markings of Cuvier's beaked whale *Ziphius cavirostris* in the Mediterranean Sea. *African Journal of Marine Science*, 33(1):45–57. doi:10.2989/1814232X.2011.572336

[PR05] Aïssi M., Celona a., Comparetto G., Mangano R., Würtz M. and **Moulins A.**, 2008. Large-scale distribution of fin whale (*Balaenoptera physalus*) in the Central Mediterranean Sea. *Journal of the Marine Biological Association of the UK* 88(6):1253-1261. DOI:10.1017/S0025315408000891

[PR04] **Moulins A.**, Ballardini M., Rosso m. and Würtz M., 2008. Partition of the Pelagos Sanctuary (north-western Mediterranean Sea) into hotspots and coldspots for cetacean sightings. *Journal of the Marine Biological Association of the UK* 88(6):1273-1281. DOI:10.1017/S0025315408000763

[PR03] Rosso M., **Moulins A.** and Würtz M., 2008. Colour patterns and pigmentation variability on striped dolphin *Stenella coeruleoalba* (Meyen, 1833) in North-Western Mediterranean sea. *Journal of the Marine Biological Association of the UK* 88(6):1211-1219. DOI:10.1017/S0025315408001641

[PR02] **Moulins A.**, Nani B., Rosso M. and Würtz M., 2007. Aspects of distribution of Cuvier's beaked whale (*Ziphius cavirostris*) in relation to topographic features in the Pelagos Sanctuary (north-western Mediterranean sea). *Journal of the Marine Biological Association of the UK* 87(1):177-186. DOI:10.1017/S0025315407055002

[PR01] **Moulins A.** and Würtz M. 2005. Occurrence of a herd of female sperm whales and their calves (*Physeter catodon*), off Monaco, in the Ligurian Sea. *Journal of the Marine Biological Association of the UK* 85(1):213-214. DOI:10.1017/S0025315405011094h



Curriculum Vitae Europass

Personal information

**FABRIZIO ATZORI**

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Nationality: Italian

Place and date of birth: Cagliari - 9th January 1984

Gender: Male

Marine biologist since to 2008

Profession

Management of Marine Protected Areas / Management of marine and coastal environmental problems

Professional experience

Position

Municipality of Villasimius - Marine Protected Area "Capo Carbonara"
Via Roma 60 – 09049 – Villasimius (Italia)

Type of work

Public administration - Municipality of Villasimius - Marine Protected Area "Capo Carbonara"

Date

11/06/2015 till now

Type of work

Marine Protected Area "Capo Carbonara" – Director

Activities

Management of the complex, medium-sized organisation unit known as the "Marine Protected Area", with responsibility for administrative, financial and technical/scientific management, including the adoption of independent spending powers, human resource organisation (an average of 10 employees), instruments and control;

- Adoption of administrative acts and measures binding on the administration;
- Chairing of tender and selection committees;
- Responsibility for tendering and competition procedures, conclusion of contracts;
- Adoption of financial management measures, assumption of expenditure, administration and personnel management commitments, authorisation and concession measures and measures assigned by the Articles of Association and regulations or delegated by the Statutory Auditor;
- Supervision and control of the application of the regulations, plans adopted and/or approved;
- Management of buildings, maintenance of installations, fittings, equipment, means and materials assigned and/or purchased for the MPA;
- Formulation of the budget proposal, the annual forecast and any regular adjustments;
- Preparation of the final account;
- Single Processor for projects carried out by and on behalf of the MPA;
- Actions to promote and support relations with different institute (Ministry, Region, Province, Research Institutes, Universities, Associations and Public and Private, national and international Organisations) in application of economic and/or collaboration agreements in general;
- Programming of use, maintenance of nautical and vehicles and delivery structures (n. 3);
- Design, implementation and coordination of monitoring and research activities on target species and habitats with a view to integrated coastal zone management - ICZM;

- Coordination of actions functional to the management of Sites of Community Interest and of national interest (SCI/SPA) falling within the territory pursuant to international Directives and Conventions; Definition of research and monitoring plans, programmes and projects relating to ecological aspects. Specifically: communication interventions for the dissemination of knowledge of the coastal marine environment, promotion of environmental education, monitoring of species and habitats; interventions for the promotion and enhancement of marine products and the use of the sea, interventions for the promotion of recreational and sports events and recreational activities and the enhancement of quality products under the MPA brand;
- Design and implementation of communication, training and environmental education plans for schools and users of the MPA, including the design of communication support and network projects between the MPAS of Sardinia;
- Collaborative initiatives with protected areas and other institute responsible for development, promotion and protection of the environment and sustainable development;
- Design for the setting up and management of the Centre for Environmental Education and Sustainability (CEAS);
- Development of actions aimed at marketing and promoting the services of the MPA;
- Initiatives for participation in activities for the development of scientific aspects and research, collaborating with universities, departments and research institutions and institutes;
- Initiatives with economic correspondence, such as projects aimed at obtaining funding in the fields of Provincial, Regional, National, community;
- Organisation of activities such as: research, publications, programmes, events and collaborations on different environmental, educational, economic, social and historical-cultural aspects;
- Verification of compliance with ecological, environmental, accident prevention, fire prevention and safety regulations;

Activities

- Life+ project approval "Res-Mar: Recovery of threatened habitats in the Capo Carbonara marine area, Sardinia" (Call 2012 - Management from 2015 to 2018) for € 363,612.00;
- INTERREG MED project approval "MEDSEALITTER: Developing Mediterranean - specific protocols to protect biodiversity from litter impact at basin and MPAs scales (Call 2015 + Management from 2016 to date) for 200.000,00 €;
- Approval of the project PO MARITIMO "STRATUS: Environmental Strategies for Sustainable Tourism" (Call 2015 - Management from 2016 to date) for 204,579.20 €;
- Approval of the Segrè Foundation project "Rat eradication on the Serpentara-Cavoli Archipelagos, Sardinia" (Call 2017 - Management from 2017 to 2020) for 148,000.00 €;
- Drafting of the Management Plans (ISEA) with the granting of loans by the Ministry of the Environment and Protection of Land and Sea for 116,101.71 € (2015), 127,741.38 € (2016) and 211,531.63 € (2017);
- Grant of structural funding from the Ministry of the Environment and Land and Sea for 81,000.00 € (2015), 132,500.00 € (2016) and 100,000.00 € (2017);
- Grant of 286,777.29 (2016) for the management of the Marine Strategy by the Ministry of the Environment and Protection of Land and Sea;
- Grant from the Autonomous Region of Sardinia for the management of marine fauna in difficulty, within the Regional Network for 8,571.43 € (2015), 26,182.88 € (2016) and 26,666.66 € (2017);
- Grant from the Autonomous Region of Sardinia for the management of the SCI, € 20,000 (2014);
- Grant from the Autonomous Region of Sardinia within the framework of the POR FESR project "Interventions for the protection and enhancement of natural attraction areas of strategic importance (Protected Areas on Land and the sea, protected landscapes) such as to consolidate and promote development processes". (call 2016 - management from 2017 to 2020) for 900,000.00 €;
- Grant from the Autonomous Region of Sardinia for the management of sea rescue in the MPA for 11,884.48 € (2015), 12,984.78 € (2016), 14,923,01 € (2017) 23.333,33 € (2018);
- Support to the Municipality of Villasimius and FLAG Sardegna Orientale ex GAC (Coastal Action Group) for the submission and subsequent award, in the European Fisheries Fund (FEAMP)2 007-2013 call, of the R.E.T.I project. Relaunch and Innovative Transformations in Fisheries 201-2020" for the implementation of the Local Development Strategy and the granting of the feamp contribution for the implementation of the PdA € 1,357,044.00;

	<ul style="list-style-type: none"> • Installation of mooring buoys in the period 2016, in 5 areas already in delivery to the managing body, for a total of 30 buoys. Management of buoys fields with service at sea, also to support of surveillance. • Agreement with the Port Authority, Guardia di Finanza for the surveillance in AMP. • Creation of the charter of the seabed, the charter of biocoenosis of the MPA and DONIA application in collaboration with Andromede Oceanologie, Agence de l' Eau and Conservatoire du Littoral. • Monitoring of yachting activities, recreational fishing activities and alien species through training courses carried out in collaboration with the University of Cagliari, University of Sassari, University of Aberdeen, College of the Atlantic; • Monitoring of professional fishing and visual census in agreement with the University of Cagliari and University of Nice; • Monitoring of the acidification of the lower Tyrrhenian Sea in agreement with the ISPRA; • Monitoring for plastic pollution study activities and monitoring of cetaceans and turtles "Fixed line transect using ferries as platform of observation for monitoring cetacean populations" in agreement between Tirrenia, ISPRA, MPA Capo Carbonara, Ketos Association, CIMA Foundation, University of Pisa - DBIOL Department and Associazione Accademia del Leviatano • Visual census and cartography of AMP dive sites; • Environmental education: voluntary camps, awareness campaigns with MareVivo, Legambiente and private companies; • Institutional communication: new website, facebook page, press office twitter, 2D and 3D documentary production in collaboration with Roberto Rinaldi "institutional video clips (2017)"; bilingual brochures, MPA calendars, posters, MPA personnel uniforms produced in collaboration with SLAM brand. • Organization of sporting events: canoeing competitions, Italian Underwater Photography Championships (2016), provincial, regional, national and international sailing competitions (GC32 Racing Tour - year 2017); • Membership of Federparchi, parks.it and Medpan Network.
Reference	Municipality of Villasimius - Marine Protected Area "Capo Carbonara" Via Roma 60 – 09049 – Villasimius (Italia)
Type of work	Public administration - Municipality of Villasimius - Marine Protected Area "Capo Carbonara"
Date	03/01/2012 - 04/01/2015
Position	Municipality of Villasimius - Marine Protected Area "Capo Carbonara" Marine Biologist - Sardinian Project Master and Back
Activities	<ul style="list-style-type: none"> • RES.MAR: Network for environmental protection in the maritime space. Action A, Coastal erosion monitoring network. Cross-border cooperation programme Italy-France "Marittimo" 2007-2013; • Regional Network for the Conservation of Marine Fauna (turtles and marine mammals) monitoring, recovery and care of animals in distress, awareness and information according to the logic of the network between the nodes belonging to the same; • Management and support to the installation of the video-monitoring system of the AMP with positioning of 9 cameras; • Environmental education: voluntary camps, awareness-raising campaigns; • Institutional communication: website, facebook page, twitter; • SCI: Technical, scientific and logistical support activities for the monitoring of the habitats and species of the "Habitats" and "Birds" Directives concerning the SCI at sea and the SPAs possibly overlapping with them, coinciding with the perimeter of the "Capo Carbonara" SCI Marine Protected Area at sea 1T8040020 "Isola dei Cavoli, Serpentara, Punta Molentis e Campulongu" - POR FESR 2007-2013 Activity Line 4.1.21; • A Zone, no take no entry - perimeter project of the AMP Capo Carbonara. Scientific support • Project for positioning eco-sustainable anchors for navigation limits. Scientific support • ISPRA: Cetacean monitoring along the main cross-border maritime routes in the Western Mediterranean Marine Region (Southern Tyrrhenian); • Application of the CARLIT method (coastal mapping for surface macro algae) along the rocky coast of Cape Carbonara MPA and the main islands (I. Cavoli and I. Serpentara) for

	<p>the assessment of ecological status according to the Water Framework Directive 2000/60/EU;</p> <ul style="list-style-type: none"> • Evaluation of the fish stock in the Marine Protected Area (professional, artisan, sport fishing) due to anthropization. Study using visual census and experimental fishing campaigns; • <i>Pinna nobilis</i> mapping in the AMP of Capo Carbonara by visual census. • Member of the restricted group with technical and scientific responsibility for the <i>Caretta caretta</i> nest - 11th July 2014 - Cala Sinzias; • Updating and implementation of GIS System, cartographic elaboration of thematic maps and database management of technical-scientific data related to marine monitoring areas;
References	Municipality of Villasimius - Marine Protected Area "Capo Carbonara" Via Roma 60 – 09049 – Villasimius (Italy)
Type of work	Public administration - Coastal, marine management and environmental conservation
Date	1/11/2010 – 11/09/2011
Position	Scholarship
Activities	Effect of climate change on swimming behaviour in a North East American fish (<i>Rhinichthys atratulus</i>).
References	Towson University – Maryland – USA - Prof. Jay A. Nelson
Type of work	Scientific research
Date	02/09/2009 – 11/09/2010
Position	Scholarship
Activities	Effect of pollutants and fish ecophysiology, in particular of the species <i>Solea solea</i> and <i>Brachidanio renio</i>
References	FREDD (Université de La Rochelle, IFREMER, CNRS) – Francia. Prof. Paco BUSTAMANTE e Dott.ssa Christel LEFRANCOIS
Type of work	Scientific research
Date	01/11/2008 – 01/10/2009
Position	Scholarship – Sardinian Project Master and Back
Activities	Effect of pollutants and fish ecophysiology, in particular of the specie <i>Solea solea</i> .
References	FREED – France - Prof. Paco BUSTAMANTE e Dr. Christel LEFRANCOIS
Type of work	Scientific research
Date	15/10/2008 – 31/12/2008
Position	Scholarship
Activities	Parasites of fish and molluscs from fresh and salt water. Systematic and ecology. Health and economic problems
Reference	University of Cagliari –Department of Parasitology - Prof. ssa Vincenza Figus
Type of work	Scientific research
Date	01/02/2006 – 15/09/2007
Position	Stage
Activities	Evaluation of population dynamics, recruitment and economic assessments, sustainable management through visual and photographic sampling of the sea urchin resource, <i>Paracentrotus lividus</i> , in the Carloforte's Island (SW Sardinia)
Reference	University of Cagliari - Prof. Addis Piero
Type of work	Scientific research

Date	15/09/2006 – 15/09/2008
Position	Stage
Activities	Assessment of population dynamics, recruitment and economic evaluations, sustainable management through visual and photographic sampling of the sea urchin resource, <i>Paracentrotus lividus</i> , in Southern Sardinia
Reference	University of Cagliari - Prof. Addis Piero
Type of work	Scientific research
Date	01/10/2006 – 15/05/2008
Position	Stage
Activities	Trawling campaigns, GRUND (Group National Evaluation Resources Demersal) and international MEDITS (An international bottom trawl survey in the Mediterranean sea) carried out around the Sardinia seas.
Reference	University of Cagliari - Prof. Addis Piero
Type of job	Scientific research
Date	01/05/2006 – 01/05/2006
Position	Stage
Activities	Identification and description of the preferential habitat for the settlement phase of the juvenile red lobster <i>Palinurus elephas</i> , (Crustacea: Decapoda) along the coasts of central-western Sardinia. Commissioned by the Ministry of Environmental Policy, Directorate General for Fisheries. VI Three-year Plan for Fisheries and Aquaculture (Law 41/82)
Reference	University of Cagliari - Dr. Danila Cuccu
Type of job	Scientific research

Date	2017
Qualification	Ph.D
Activities	Ecology and Sustainable management of environmental resources. The effect of the marine litter on the sea turtle <i>Caretta caretta</i> on a regional scale (Sardinia) and on the lower Tyrrhenian Sea.
Organisation and training	University of Tuscia - Viterbo - Rome
Date	2006 - 2008
Qualification	M.Sc in Marine Biology
Activities	Aspetti morfometrici e tassonomici dei becchi nelle famiglie Histoteuthidae e Loliginidae (Cephalopoda: Decapoda)
Organisation and training	University of Cagliari
Date	2002 - 2006
Qualification	B.Sc in Marine Bioecology
Activities	Alcuni aspetti della maturità sessuale nei maschi di <i>Bathypolypus sponsalis</i> (P.H. Fischer, 1892), (Cephalopoda: Octopodidae)
Organisation and training	University of Cagliari
Date	1990 - 1996
Qualification	Scientific Maturity
Activities	Italian Language and Letters, Latin Language and Letters, English Language and Literature, History, Geography, Philosophy, Natural Sciences, Chemistry, Geography, Physics,

	Mathematics, Drawing and Art History, Religion, Physical Education
Organisation and training	Liceo scientifico Leon Battista Alberti – Viale Colombo - Cagliari
Personal skills and competences	
Licences	<ul style="list-style-type: none"> • Type B driving licence. • Entitlement to command pleasure craft (craft and craft within 12 miles of the coast, motor propulsion only) obtained on 25/03/2010. • Limited radio telephonist certificate for ships.
Courses	<ul style="list-style-type: none"> • Diving licenses: ("Deep PADI - 2018" (- 40 meters), "Advanced Padi, 2007" (-30 meters), "Open water FIPSAS" - 2000 (-18 meters); • Specialisation for the use of Nitrox mixtures for dives up to -40 metres (2016). • International science for underwater and scientific technician (I.S.S.D): cartography, geomorphology and sedimentology techniques, phyto and zoobenthos systematics, study of the sea grass, techniques of analysis of the quality of the coastal environment (2008); • First Aid Course; • BLS (Basic Life Support) Course; • BLSD (Basic Life Support Defibrillation) course; • Course on Maritime State Property. The management of the procedures for the granting of concessions in the light of EU directives and in the expectation of 31 December 2013. Perspectives and operational solutions;

Coordination activities	<ul style="list-style-type: none"> • Working group for the management of nesting sites in Campus, Cala Pira and Piscina Rei, 2016; • Participation in the technical tables for the definition and drafting of the hatching protocol for the event of nesting of the sea turtle <i>Caretta caretta</i> in Cala Sinzias, year 2014; • Coordination of the internship activity of Marzia Mattia Porcu (Degree in Natural Sciences, University of Bologna), within the framework of the internship for the achievement of the three-year degree (Cetacean monitoring along the cross-border maritime route Cagliari - Palermo); • Coordination of the internship activity of Elisa Castangia (Degree in Natural Sciences, University of Cagliari), within the framework of the internship for the achievement of the specialized degree (Professional artisan fishing in the Marine Protected Area "Capo Carbonara"); • Coordination of Barbara Meloni's internship activities (Degree in Communication Sciences, University of Cagliari), as part of the internship to obtain a three-year degree; • Tutor of the internship activity for the course 522 for "Technician of management of Marine Protected Areas, Oases and Natural Parks" POR European Social Fund 2007/2013. Objective Regional Competitiveness and Employment. Location: AMP Capo Carbonara on behalf of: So.So.R. School of Regional Social Workers, registered office in Cagliari. 13 Students for 100 total hours in partnership with the Marine Protected Area of "Penisola del Sinis - Isola di Mal di Ventre (Dr. Giorgio Massaro - Director of AMP); • Coordination of the internship activity of Marra Giorgia as part of the Master's Degree II "Management of Coastal Water Areas and Resources" A.A. 15/16 - University of Camerino - Implementation of the actions of the MPAs concerning the regional network for wildlife, monitoring and awareness related to habitats and species of conservation interest, analysis of the fish stock by visual census technique, analysis of landed fish for professional fishing, evaluation of the pressure of fishing activities and human activities in general for the definition of the maximum allowable load; • Tutor of the "Environmental Protection" course of the L.I.B.E.C.C.I.O project (Lavoro Impresa Blue Economy Certificazione delle Competenze Impiantistica e Orientamento); Notice POR Sardegna FSE 2014-2020 - "Integrated activities for empowerment, professional training, skills certification, job support, the promotion of new entrepreneurship, transnational mobility in the areas of "Green & Blue Economy" - Line B - Priority Axis 1 Employment, 30 students for 16 hours; • Member of the Steering Committee for the degree Specialising in Sustainable Tourism Management and Monitoring - Faculty of Economics and Commerce - Department of Economics and Business Sciences - University of Cagliari. • Member of the Steering Committee for the Three-year Degree Course in Natural Sciences, Master Degree Course in Science and Technology for the Environment - University of Cagliari; • Teacher at the Master of 2nd level in "Coastal Water Resources and Area Management" - University of Camerino. 				
Mother language	Italian				
Other language					
Selfvaluation	Understanding		Spoken		Written
European level (*)	Listen	Read	Oral interaction	Oral production	
English	C1	C1	B2	B2	B1
French	C2	C2	C2	C2	C2
Spanish	A2	A2	A2	A2	A1
	(*) <i>Quadro comune europeo di riferimento per le lingue</i>				

Technical skills and competences	For my professional needs and personality I acquired and developed skills in the management of instrumentation related to the marine industry (GPS, fishfinder, radar, ...), diving and the marine environment in general.
Organisational skills and competences in the laboratory	<ul style="list-style-type: none"> • fish maintenance: including contamination phase, biometrics and anaesthesia for long-term use; • Kinetics of contamination and bio-accumulation by following early exposure to PCBs and studying their toxic effects; • Characterisation at exposure of PCBs at the level of basic biological functions; • Determination of consequences of contamination at individual and population level (from growth to reproduction); • Analysis of decontamination pathways; • Ability to program experiments using swimming tunnels, breathing apparatus and speed chamber; • Analysis of the bioenergetics metabolism and of the biomechanical and bio-mimetic swimming characteristics; • Ability to analyze major forms of stress (frequency of ventilation and hormone levels in the blood); • Ability to use laboratory instruments (from glassware to instruments such as precision scales, microscopy, stereoscope, phmeter);
Organisational skills and competences in an environment	<ul style="list-style-type: none"> • Scientific research applied to environmental monitoring in the marine, terrestrial and air environments; • Monitoring and assessment of environmental quality and decontamination by biological and chemical means and parameters (indicators); • Analysis of adaptive biological responses of living organisms on environmental changes and presence of toxic substances; • Preparation in the preparation and oral and/or written presentation of scientific works; • Good organisational skills and competences for monitoring, preparation and organisation of field instrumentation (roles and tasks); • Application of the Visual Census to evaluate of the fish stock; • Organisation and management of the activities on marine fauna (turtles and cetaceans); • Adequate knowledge of Environmental Law, in particular: reference to legislation on water, air, soil and waste (Legislative Decree 152/2006); UNI CEI EN ISO/EC 17025/2005; • Principles of safety in laboratories; hints of Criminal Law with reference to crimes against the Public Administration; • Good knowledge of computer use, Office package, Access program and database creation; • Good use of GIS programs (GvSIG in particular, preliminary use of Arc-GIS 9.1) with creation of thematic maps; • Good use of field survey tools: GPS and data visualization software; • Technical skills and competences on the study of reserve effect in Marine Protected Areas: experimental design, sampling and data analysis;
Organisational skills and competences in the administrative field	<ul style="list-style-type: none"> • Issue of all licences for activities allowed within the MPA (professional fishing, sport fishing, excursions, events), including licences for studies in collaboration with various research bodies both public, private and universities; • Management of activities in the Marine Protected Area including the purchase of goods through ME.PA. (tangible supplies), infrastructure and asset management, internal budget planning and management activities; • Drafting of regulations for the activities allowed in the Marine Protected Area. ISEA and So.De.Cri. management; • Creation of public calls for tenders for services and/or material supply; • Planning of research activities, supervision of regional, national and European projects; • Drafting of administrative acts (resolutions, decisions);

<p>Research and Paper</p> <ul style="list-style-type: none"> • Environmental publications in international indexed journals 	<ol style="list-style-type: none"> 1. M. Cannas, F. Atzori, F. Rupsard, P. Bustamante, V. Loizeau, C. Lefrancois. PCB contamination does not alter aerobic metabolism and tolerance to hypoxia of juvenile sole (<i>Solea solea</i> L. 1758). Aquatic Toxicology, Volume 127, February 2013, Pages 54-60; 2. Nelson J.A, Atzori F., Gastrich K.R. Phenotypic plasticity of fish swimming performance across a gradient of urbanization. Environmental Biology of Fishes. May 2015, Volume 98, pages 1431–1447. 3. Arcangeli A., Campana I., Angeletti D., Atzori F., Azzolin., Carosso L., Di Miccoli V., Giacoletti A., Gregoriotti M., Luperini C., Paraboschi M., Pellegrino G., Ramazio M., Sarà G., Crosti R. Amount, composition and spatial distribution of floating macro litter along fixed trans-border transects in the Mediterranean basin. Marine Pollution Bulletin (in press); 4. M. F. Cinti, F. Frau, F. Atzori, S. Corrias. Importance of <i>Posidonia oceanica</i> meadows for the distribution of the mollusc bivalve <i>Pinna nobilis</i> (Linnaeus, 1758) in the Capo Carbonara Marina Protected Area. PeerJ PrePrints 3:e1286 https://dx.doi.org/10.7287/peerj.preprints.1047v1. 5. Piazzzi L., Gennaro P., Atzori F., Cadoni N., Cinti M.F., Frau F., Ceccherelli G. ALEX index enables detection of alien macroalgae invasions across habitats within a marine protected area. Marine Pollution Bulletin. Volume 128 (2018) 318–323. 6. Piazzzi L., Gennaro P., Atzori F., Cadoni N., Cinti M.F., Frau F., Ceccherelli G. Benthic mucilage blooms threaten coralligenous reefs. <i>Marine Environmental Research</i>. (under review). 7. Guidetti P., Addis P., Atzori F., Bussotti S, Calò A., Cau Al., Culioli J.M., De Lucia G.A., Di Franco A., Di Lorenzo, Follesa M.C., Gazale V., Massaro G., Mura F., Navone A., Pala D., Panzalis P.A., Pusceddu A., Ruiu A., Cau A. Marine Natura 2000 sites within the wider conservation policy framework: a case study from Sardinia Island (Italy) (under review).
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• Poster

1. **Atzori F.**, Cannas M., Domenici P., Lefrançois C.
The effect of PCBs on the startle response in common sole juveniles (*Solea solea* L.). Glasgow '09 - Congress of Comparative Biochemistry and Physiology;
2. **Atzori F.**, Cannas M., Domenici P., Lefrançois C.
The effect of PCBs on the startle response in common sole juveniles (*Solea solea* L.). La Rochelle '09 25th Forum of the young oceanographer;
3. **Atzori F.**, Frau F., Cinti M. F., Corrias S., Lippi S., Paliaga B., Arcangeli A.
The role of Marine Protected Areas for monitoring marine species: the example of Capo Carbonara MPA in the Sardinia channel. Liège '14, 14-28th Conference Marine mammals as sentinels of a changing environment;
4. **F. Atzori**, F. Frau, M.F. Cinti, S. Corrias, S. Lippi, B. Paliaga, A. Arcangeli.
The role of Marine Protected Areas for monitoring marine species: the example of Capo Carbonara MPA in the Sardinia Channel. The 28nd Annual Conference, ECS 2014 (European Cetacean Society), Liege, 5-9 Aprile 2014.
5. Frau F., **Atzori F.**, Cinti M.F., Ghiani R., Paliaga B., Corrias S.
Distribuzione di *Pinna nobilis* (Linnaeus, 1758) (Mollusca, Bivalvia) nell'Area Marina Protetta di Capo Carbonara (Sardegna). "Atti XLV Congresso SIBM" Venezia, 19-23 maggio 2014;
6. A. Sabatini, **F. Atzori**, F. Palmas, M., Secci, P. Addis
La pesca artigianale nell'Area Marina Protetta "Capo Carbonara". "Atti XLVI Congresso SIBM" Roma, 11-12 giugno 2015;
7. Castangia E., Addis P., **Atzori F.**, Frau G., Palmas F., Podda C., Secci M., Sabatini A.
Elementi di contabilità ambientale: la pesca artigianale nell' AMP "Capo Carbonara". "Atti XLVIII Congresso SIBM" Roma, 7-9 giugno 2017;
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Cagliari 22th January 2019

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The undersigned declares that the information contained in this curriculum vitae is accurate and truthful and that he is aware of the criminal penalties provided for in the event of false declarations, falsification of documents and use of false documents, pursuant to art. 76 of Presidential Decree no. 445 of 28/12/00 and under his own responsibility issues this declaration with self-certification value pursuant to art. 46 and 47 of Presidential Decree no. 445 of 28/12/00.

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Cagliari 22th Jnuary 2019

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