

Francesco Massa

Graduate Technician – Professional Area of Science and Technology, Technical Profile
(formerly Category D))

EDUCATION AND TRAINING

2018 24 ECTS Educational Path

Educational Path for the acquisition of 24 ECTS (Ex D.M.616/2017, code 10713)

2014 PhD in Environmental Sciences (Marine Sciences)

Thesis title: Technologies, WebGIS and geoservices for the acquisition and dissemination of marine data: towards an interoperable marine strategy

University of Genoa – Faculty of Mathematical, Physical and Natural Sciences

2010 Master's Degree in Marine Environmental Sciences (Class 82/S)

Thesis title: WebGIS for the management of coastal marine areas (MACISTE)

University of Genoa – Faculty of Mathematical, Physical and Natural Sciences

2006 Postgraduate Master in Geographic Information Systems and Remote Sensing (72 ECTS)

University of Siena – GeoTechnologies Centre (CGT)

2004 Bachelor's Degree in Basic Environmental Sciences (Class 27)

Thesis title: Laboratory techniques for the biochemical study of proteases from Antarctic echinoderms: perspectives for their biochemical use

University of Genoa – Faculty of Mathematical, Physical and Natural Sciences

ACADEMIC APPOINTMENTS

2020 – Present

Technical Officer (former Category D)

Expert in oceanographic scientific sampling, geospatial data analysis, Geographic Information Systems (GIS). ROV and UAV pilot.

DISTAV – Department of Earth, Environmental and Life Sciences, University of Genoa

2024 – Present

Adjunct Professor

Course: GIS Applications for the Marine Environment (Master's Degree in Marine Biology and Ecology).

DISTAV – University of Genoa

2017 – 2019

Adjunct Professor

Course: Environmental Data Processing within the Bachelor's Degree in Environmental and Natural Sciences.

DISTAV – University of Genoa

2014 – 2020

Postdoctoral Research Fellow

Project: Management of marine environmental data through geoservices. Development of a web-based system (OGC-SWE standard) supporting new systems and in-situ sensors for marine monitoring.

DISTAV – University of Genoa

2013

Google Summer of Code 2013 – Profile dataset support for istSOS

OSGeo – Open Source Geospatial Foundation

Google Inc., through SUPSI – University of Applied Sciences and Arts of Southern Switzerland

OTHER PROFESSIONAL EXPERIENCES

2011 Teaching assignment (8 hours) at SeaMap S.r.l. – Training course on GIS and GeoDatabase systems using free and open source software (GFOSS). Genoa

2009 Teaching assignment (35 hours) at AESSEFFE – Savona: Course “Technician of Geographic Information Systems” (Internal code A09SV020 – Province Code: SV2007BQ-300)

2008 – Professional assignment at ARCADIA SIT – Forest photo-interpretation work (maps: 257.1 Pigna; 270.1 Ventimiglia; 257.2 Dolceacqua)

2008 Professional assignment at CONISMA – Collaboration on the development of a WEB-GIS protocol for the creation of a georeferenced information system (database) Project: ASPIM II)

2007 Project contract at GIS&WEB S.r.l. – Digitization and styling of thematic maps; definition of research models on WebGIS system (GISClient)

2007 Project contract – Implementation on PostgreSQL ODMBS of the data model called “MARLAB” for the management of marine sampling data

TECHNOLOGY TRANSFER RESULTS IN TERMS OF PARTICIPATION IN THE CREATION OF NEW ENTERPRISES (SPIN-OFF), DEVELOPMENT, USE AND COMMERCIALIZATION OF PATENTS AND SOFTWARES

1. **2012** Povero, Paolo, Starnini R., Caviglia D., Spotorno F., Costa, Sara, Massa, Francesco (2012). **MACISTE-RIP** (Waste-Pollution-Cleaning). Institutional Archive of the University of Genoa, code 11567/393519
2. **2011** Povero, Paolo, Starnini R., Caviglia D., Costa, Sara, Massa, Francesco (2011). **MACISTE-ICE**. Institutional Archive of the University of Genoa, code 11567/393500
3. **2011** Povero, Paolo, Starnini R., Caviglia D., Venturini S., Massa, Francesco, Costa, Sara (2011). **MACISTE-MPA**. Institutional Archive of the University of Genoa, code 11567/393505
4. **2011** Povero, Paolo, Caviglia D., Starnini R., Costa, Sara, Massa, Francesco (2011). **MACISTE-Port Section**. Institutional Archive of the University of Genoa, code 11567/393513
5. **2010** Povero, Paolo, Starnini R., Caviglia D., Carbone M., Costa, Sara, Massa, Francesco (2010). **Marine Coastal Information SysTEm (MACISTE®)**. Institutional Archive of the University of Genoa, code 11567/392446

Genova, 18/08/2025

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