

Andrea Scuteri

Marine Environmental Consultant

Scientific Diving - Photogrammetry - GIS - Geophysics

+39 340 071 6828

andrea.scuteri@gmail.com

Vico della Croce Bianca – Genova – Italy

P. IVA - 08660480727

PROFILE

Marine Biologist and Environmental Consultant with experience in multidisciplinary marine projects, including underwater ecological monitoring, underwater photogrammetry, offshore surveys, and environmental impact assessments. Skilled in data processing, geophysical surveys, and cartographic analysis within GIS environments, with a strong hands-on approach to fieldwork.

Thrives in problem-solving scenarios and field team coordination, effectively adapting to technical and environmental challenges. Combines scientific expertise with a proactive, practical mindset, with proven experience in team coordination and complex project execution.

EXPERIENCE

UBICA SRL – Genova – *Environmental Consultant*

September 2021 - Present

Field survey coordination and supervision in multidisciplinary marine campaigns (including Party Chief role in offshore operations)

Scientific diving operations for ecological monitoring and in-situ data acquisition

GIS-based spatial data analysis and cartographic production

Underwater photogrammetry: data acquisition, processing, and 3D reconstruction for environmental and habitat analysis

USBL positioning system operations (nearshore & offshore)

Geophysical survey operations (nearshore & offshore)

GEOSCAPE SOC. COOP – Genova – *Environmental Consultant*

September 2021 - Present

Scientific diving operations for ecological monitoring and field data acquisition

Offshore environmental monitoring

Coastal modelling and marine environmental analysis

GIS-based spatial data processing and cartographic production

DIVERS DEN – Cairns, Australia — *SCUBA Instructor*

February 2021 - September 2021

PADI Instructor and Guide

Underwater photographer

SKILLS

GEOSPATIAL & DATA

ANALYSIS:

QGIS – ArcGIS

PHOTOGRAMMETRY AND 3D PROCESSING

Agisoft Metashape –

RealityCapture –

CloudCompare – MeshLab –

Blender – Fusion360

DIVING & FIELD OPERATIONS

TDI Trimix Diver –

Advanced European

Scientific Diver – PADI Open

Water Scuba Instructor –

Oxygen Provider

GEOPHYSICAL & SURVEY EQUIPMENT

ROV – USBL – Multibeam

echosounder – Side-scan

sonar – Magnetometer –

Sub-bottom profiler

SPOKEN LANGUAGES

ITALIAN: Native

FRENCH: Native

ENGLISH: Proficient

SPANISH: Intermediate

KEY PROJECTS & FIELD CAMPAIGNS

WIND ENERGY POZZALLO – Summer 2024 - *Party chief / Survey Operator – Sicily Channel*

End-to-end offshore campaign conducted in collaboration with WSP Italia (formerly Golder Associates, Torino) on behalf of Edison, covering both the field acquisition phase and the subsequent environmental impact assessment for a proposed offshore wind farm.

The 60+ day offshore operation combined geophysical survey — multibeam bathymetry, side-scan sonar, sub-bottom profiler, magnetometer, and ROV inspection of identified targets — with biological sampling: Van Veen grab sampling, sediment sieving and benthos analysis, Niskin bottle water column sampling, and plankton trawling for laboratory analysis.

Collected data subsequently contributed to the feasibility study and environmental impact assessment developed in collaboration with WSP Italia.

OCEAN CITIZEN – 2023-ongoing - *Underwater Photogrammetrist & Data Processor — Horizon Europe Research Project*

Part of a 23-partner EU-funded consortium (>€10M) developing innovative monitoring and restoration protocols for coastal marine ecosystems. Contribution focused on the development of photogrammetry-based underwater monitoring approaches, with the dual aim of advancing field acquisition techniques and automating post-processing pipelines to extract quantitative metrics — including and structural metrics - from 3D reconstructions.

Field campaigns conducted across multiple European pilot sites, including Gran Canaria, Tarragona, and Copenhagen.

UNDERWATER SURVEY & ENVIRONMENTAL MONITORING - 2019–ongoing - *Freelance Field Technician — Various Clients*

Ongoing involvement in underwater survey and environmental monitoring projects for multiple client across a broad range of underwater survey and environmental monitoring projects. Work encompasses scientific diving, technical diving, DPV-aided underwater mapping, biological cartography, ROV operations down to 150m depth, routinely using a USBL positioning system.

Core expertise developed around *Posidonia oceanica* meadows and coralligenous formations.

Involvement covers the full project cycle — from field data acquisition through to cartographic production and spatial data management in QGIS, and final report writing.

STUDIES

MASTER’S DEGREE IN MARINE SCIENCES

Università degli Studi di Genova

September 2016 - March 2019

Grade: 110/110 with honours

DEGREE IN BIOLOGY

Università degli Studi di Bari

September 2012 - March 2016

OTHER

OPITO BOSIET n. 99045700130422009 (exp. 13/04/2027)