



Daniela Silvia Pace

Nationality: Italian | **Address:** Viale dell'Università, 32, 00185, Rome, Italy (Work)

● WORK EXPERIENCE

2018 - CURRENT Rome, Italy

UNIVERSITY RESEARCHER (ASSISTANT PROFESSOR) SAPIENZA UNIVERSITY OF ROME

- Research on marine mammals' behaviour, ecology, acoustics and conservation
- Research and monitoring of noise in the marine environment, and its impact on marine mammals
- Teaching "Marine Mammals Ecology and Acoustic Behaviour" at the Ecobiology Master Degree
- Co-Scientific Coordination of the Project "JCDM - Joint Cetacean Database and Mapping" by Sapienza University of Rome
- Scientific Coordination of the Project "Capitoline sea sounds: structural analysis of the bottlenose dolphin calls and the underwater noise in the marine soundscape of the highly anthropized waters of the Roman coasts" financed by Sapienza University of Rome
- Coordination of the Scientific Unit on Noise within the Italian Marine Strategy Framework Directive (MSFD) for the development of noise monitoring standard procedures
- Membership of the Pelagos Sanctuary working group on "Impacts" and "Assessments"; Coordinator of the "Noise" group
- Membership of the Mediterranean IMMA (Important Marine Mammals Areas) scientific panel for the Mediterranean Sea

2021 - CURRENT Capo Granitola (TP), Italy

ASSOCIATED RESEARCHER CNR-IAS

- Assessment of impacts of offshore anthropogenic activities on marine species to support a sustainable approach
- Study of cetaceans and noise in marine ecosystems
- Participation in the acoustic research campaign at Ny-Ålesund (Svalbard Islands, Norway)

2012 - CURRENT Italy

MARINE MAMMALS AND NOISE EXPERT (CONSULTANCY) RINA CONSULTING, PROGER S.P.A, SHELTER S.R.L., STUDIO SEVERINI S.R.L., AND OTHERS

- Scientific/technical coordination/advice on marine mammals' ecology, acoustics and conservation
- Scientific/technical coordination/advice on noise in the marine environment, and the impact of noise on marine mammals
- Development of Italian EIAs and acoustic/visual monitoring plans on noise and marine mammals (selected projects: Costa Concordia wreck removal, TAP Trans-Adriatic-Pipeline, Panigaglia gas terminal, Genova outer dam, Piombino gas terminal, Civitavecchia offshore windfarm, Marina di Ravenna gas terminal)

1998 - 2017 Rome, Italy

PRESIDENT OCEANOMARE DELPHIS ONLUS NPO

- Strategic planning and scientific direction (research and conservation of cetaceans in the Mediterranean Sea)
- Management of economic and human resources
- Definition and implementation of research, monitoring and conservation projects
- Fieldwork, data collection, management and statistical analysis
- Definition, drafting and finalization of scientific publications
- Scientific consultant for the EIA Commission of the Italian Ministry of Environment (MATTM) for the development of guidelines and monitoring protocols to monitor marine mammals and noise

2007 - 2013 Rome, Italy

SOCIAL COMMUNICATION AND FUND-RAISING DIRECTOR MARUZZA FOUNDATION

- Management and coordination of human, economic and organizational resources for fund-raising activities at companies, foundations of banking and business origin, public administrations, events in Italy
- Management of internal and external social communication

2007 - 2009 Rome, Italy

SCIENTIFIC DIRECTOR SYSTEMA NATURAE BIODIVERSITY FOUNDATION

- Strategic planning and scientific orientation in the marine biodiversity sector
- Coordination and management of human, economic and organizational resources for the peer review activities of research and conservation projects
- Planning, organization and management of grants for research and conservation
- Definition and relationship with the International Scientific Commission and other opinion leaders

2004 - 2007 Rome, Italy

HEAD OF THE TERRITORIAL NETWORK DEPARTMENT TELETHON FOUNDATION

- Management and coordination of human resources (team of 9 internal people and 25 external people)
- Economic and organizational for fundraising activities on the territory through voluntary networks (UILDM and AVIS), Public Administrations (Revenue Agency, Local Authorities, School Institutes) with the involvement of the competent Ministries, Events on the national territory
- Design, implementation and development of the new Telethon Territorial Network project (objectives: increase in fundraising and visibility / knowledge of the organization at local level)
- Management of internal and external communication activities

2001 - 2007 Naples, Italy

CONTRACT PROFESSOR OF MARINE ETHOLOGY UNIVERSITY OF NAPLES FEDERICO II

- Training and scientific research on marine organisms, with a focus on Cetacean species
- Planning, organization and management of grants for marine mammals research and conservation

2001 - 2004 Rome, Italy

HEAD OF THE SCIENTIFIC COMMUNICATION AND INFORMATION DEPARTMENT TELETHON FOUNDATION

- Management and coordination of human resources (team of 7 people), economic and organizational for scientific information activities in the area
- Organization of scientific communication events (round tables, conferences, annual convention of funded researchers)

1995 - 2001 Rome, Italy

SCIENCE OFFICER TELETHON FOUNDATION

- Management and coordination of human resources (team of 5 people), economic and organizational for scientific peer review activities of research projects (including the development of innovative IT systems for submitting / evaluating projects)
- Planning, organization and management of research grants
- Definition and relationship with the international Scientific Committee
- Analysis of the scientific productivity trend of funded research groups
- Strategic planning and scientific direction with international scientific Advisory Board

1991 - 1994 Campoverde di Aprilia (LT), Italy

CLINICAL RESEARCH SUPERVISOR ABBOTT S.P.A.

- Coordination of monitoring activities of clinical research and treatment of statistical elaborations
- Publication of results in scientific journals and their transfer to the Marketing sector
- Organization of symposia and round tables in national and international congresses
- International networking for the development of new study protocols.

1995 - 2001 Rome, Naples, Italy

MARINE BIOLOGIST UNIVERSITY OF NAPLES FEDERICO II, SAPIENZA UNIVERSITY OF ROME, STAZIONE ZOOLOGICA ANTON DOHRN

- Cetaceans' scientific projects definition and management

● EDUCATION AND TRAINING

2012 - 2016 Rome, Italy

PHD IN ENVIRONMENTAL AND EVOLUTIONARY BIOLOGY Sapienza University of Rome

1994 - 1995 Honolulu, Brisbane, Auckland, United States

VISITING SCIENTIST University of Hawaii (USA), University of Brisbane "St. Lucia" (AU), University of Auckland (NZ)

1984 - 1989 Rome, Italy

MASTER DEGREE IN BIOLOGICAL SCIENCES Sapienza University of Rome

2018 - 2018 Rome, Italy

ADVANCED GIS USER ESRI

2012 - 2012 United Kingdom

MARINE MAMMALS OBSERVER (MMO) JNCC

2009 - 2009 Lecce, Italy

MULTI-SCALE INTEGRATED MODELLING OF ECOSYSTEM SERVICES Salento University

2009 - 2009 St Andrew, United Kingdom

ECOLOGICAL STATISTICAL MODELLING St Andrew University

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH B2		B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access

Acoustic Software

Raven Pro Software | SeaPro | iZotope RX Advanced

GIS software

QGIS

Other

■ IFAW software (Logger, Rainbow Click, Whistle Detector) | Google Docs | Google Drive | Video Conferencing (Zoom, Teams, Skype, Webex) - Advanced | Social Media including Facebook, WhatsApp and Twitter

Graphics

Adobe Photoshop (Expert)

Statistical software

IBM Statistical package for Sciences (SPSS) | past

● ADDITIONAL INFORMATION

PROJECTS

2022 - CURRENT

Capitoline sea sounds: structural analysis of the bottlenose dolphin calls and the underwater noise in the marine soundscape of the highly anthropized waters of the Roman coasts Grant n.

RM1221816AE34004 - Sapienza University of Rome

Role: Scientific Coordinator

Duration: 12 months

Amount granted: 10.000 euros

2022 - CURRENT

ABIOMMED (Support coherent and coordinated Assessment of BIOdiversity and Measures across MEDiterranean for the next 6-year cycle of MSFD) Role in the project: partner

Duration: 18 months

Amount granted: none

2020 - 2022

Presence and distribution of bottlenose dolphin (*Tursiops truncatus*) in relation to priority coastal habitats and interaction with fishing activities in the area of the Tiber estuary and islands of Ponza, Palmarola and Zannone (Pontine archipelago) Role in the project: partner

Duration: 18 months

Amount granted: 42.734,58 euros

2020 - 2021

JCDM- Joint Cetacean Database and Mapping (JCDM) in Italian waters: a tool for knowledge and conservation Grant n. RM1201729F23D51B - Sapienza University of Rome

Role: Co-Scientific Coordinator

Duration: 12 months

Amount granted: 11.000 euros

2021 - CURRENT

MSFD grant for the purpose of achieving the priority objectives of Directive 2008/56/EC, as transposed d. lgs. 190/2010, for the assessment of underwater noise levels derived from vessel traffic (D11.2) Role: Scientific Coordinator

Duration: 28 months

Amount granted: 74.400 euros

2015 - 2015

Monitoring the presence of marine mammals during construction operations, with periodic recording of noise produced in the area where the Costa Concordia shipwreck lay (Giglio Island, Tyrrhenian Sea) as part of the "Remediation" phase Role: Scientific Coordinator

Duration: 4 months

Amount granted: 45.672 euros

2014 - 2015

Cetacean monitoring during construction of offshore platforms Fauzia and Elettra in the Adriatic Sea Role: Scientific Coordinator

Duration: 11 months

Amount granted: 216.720 euros

2012 - 2014

Baseline characterization project of the presence of marine mammals and marine noise level in the area surrounding the Costa Concordia shipwreck (Giglio Island, Tyrrhenian Sea) as part of the "Monitoring during the work" phase Role: Scientific Coordinator

Duration: 15 months

Amount granted: 196.820 euros

2012 - 2012

Baseline characterization of the presence of marine mammals and marine noise level in the area surrounding the Costa Concordia shipwreck (Giglio Island, Tyrrhenian Sea) as part of the "Underwater Baseline Survey" phase Role: Scientific Coordinator

Duration: 2 months

Amount granted: 14.000 euros

CONFERENCES AND SEMINARS

11/2023 - 11/2023 - University of California, Davis (UCDavis), USA - Anthropology Image Lab

Bioacoustics and multi-media practice in cetacean research: the case of bottlenose dolphins at the Tiber River estuary (Italy) Role: invited speaker

01/2023 - 01/2023 - Sapienza University of Rome, Italy

Quantitative research on aquatic mammals ecology and acoustics needs statistics Role: invited speaker

10/2022 - 10/2022 - University of California, Davis (UCDavis), USA - Anthropology Image Lab

All over the marine place: cetaceans Role: invited speaker

12/2021 - 12/2021 - Sapienza University of Rome, Italy

How studies on aquatic mammal ecology need to meet targeted statistical methods Role: invited speaker

2019 - 2019 - Sapienza University of Rome, Italy

The impact of anthropogenic noise on marine biodiversity Role: invited speaker

2018 - 2018 - Sapienza University of Rome, Italy

From deep brains to cultural minds: social life in cetaceans Role: invited speaker

2018 - 2018 - Sapienza University of Rome, Italy

Marine mammals and climate change Role: invited speaker

2018 - 2018 - Sapienza University of Rome, Italy

The Pelagos Sanctuary Role: invited speaker

2017 - 2017 - Sapienza University of Rome, Italy

Bioacoustics in the marine environment: a tool in ecology, behavior and conservation Role: invited speaker

2017 - 2017 - Sapienza University of Rome, Italy

Cetacean biology and ecology Role: invited speaker

2017 - 2017 - Sapienza University of Rome, Italy

Whales and whaling Role: invited speaker

2016 - 2016 - Sapienza University of Rome, Italy

Cetacean monitoring: the Costa Concordia wreck removal experience Role: invited speaker

LICENCES

CURRENT

Driving Licence A and B

CURRENT

Nautical Licence - Boat master Certificate for recreational crafts (without limits)

FIPSAS-CMAS 1 and 2 scuba diver

PUBLICATIONS

Finite mixtures in capture-recapture surveys for modelling residency patterns in marine wildlife populations

- 2024

Caruso, G., Alaimo di Loro, P., Mingione, M., Tardella, L., Pace, D.S., and Jona-Lasinio, G. (2023). Finite mixtures in capture-recapture surveys for modelling residency patterns in marine wildlife populations. *Biometrical Journal*, 66(1): 202200350. <https://doi.org/10.1002/bimj.202200350>

Cetaceans in the Mediterranean Sea: Encounter Rate, Dominant Species and Diversity Hotspots - 2023

Gnone G., Bellingeri M., Airoidi S., Gonzalvo J., David L., Di Meglio N., Cañadas A.M., Akkaya A., Awbery T., Mussi B., Campana I., Azzolin M., Dede A., Tonay A.M., Monaco C., Pellegrino G., Tepsich P., Moulins A., Arcangeli A., Labach H., Scheinin A., Mevorach Y., Carlucci R., Santacesaria F.C., Chicote C.A., Gazo M., Tintore B., Alessi J., Mandich A., Bittau L., Diaz Lopez B., Azzinari C., La Manna G., Pace D.S., Decandia D., Castelli A., Nuti S., Santoni M.C., Verga A., Tomasi N., Giacoma C., Costantino M., Falabrino M., and Azzellino

A. (2023). Cetaceans in the Mediterranean Sea: Encounter Rate, Dominant Species and Diversity Hotspots. *Diversity*, 15: 321. <https://doi.org/10.3390/d15030321>

Detecting trends in seagrass cover through aerial imagery interpretation: historical dynamics of a *Posidonia oceanica* meadow subjected to anthropogenic disturbance

- 2023

Mancini G., Mastrantonio G., Pollice A., Jona-Lasinio G., Belluscio A., Casoli E., Pace D.S., Ardizzone G., and Ventura D. (2023). Detecting trends in seagrass cover through aerial imagery interpretation: historical dynamics of a *Posidonia oceanica* meadow subjected to anthropogenic disturbance. *Ecological Indicators* 150: 110209. <https://doi.org/10.1016/j.ecolind.2023.110209>

Seasonal distribution of an opportunistic apex predator (*Tursiops truncatus*) in marine coastal habitats of the Western Mediterranean Sea

- 2022

Pace D.S., Panunzi G., Arcangeli A., Moro S., Jona Lasinio G. and Martino S. (2022). Seasonal distribution of an opportunistic apex predator (*Tursiops truncatus*) in marine coastal habitats of the Western Mediterranean Sea. *Frontiers in Marine Science*, 9: 939692. <https://doi.org/10.3389/fmars.2022.939692>

Resources and population traits modulate the association patterns in the common bottlenose dolphin living nearby the Tiber river estuary (Mediterranean Sea)

- 2022

Pace D.S., Ferri S., Giacomini G., Di Marco C., Papale E., Silvestri M., Ventura D., Casoli E., and Ardizzone G.D. (2022). Resources and population traits modulate the association patterns in the common bottlenose dolphin living nearby the Tiber river estuary (Mediterranean Sea). *Frontiers in Marine Science*, 9: 935235. <https://doi.org/10.3389/fmars.2022.935235>

Bray-call sequences in the Mediterranean bottlenose dolphin (*Tursiops truncatus*) acoustic repertoire

- 2022

Pace D.S., Tumino C., Giacomini G., Silvestri M., Pavan G., Papale E., Ceraulo M., Buscaino G. and Ardizzone G. (2022). Bray-call sequences in the Mediterranean bottlenose dolphin (*Tursiops truncatus*) acoustic repertoire. *Biology*, 11(3): 367. <https://doi.org/10.3390/biology11030367>

First report of epimeletic and acoustic behaviour of bottlenose dolphin (*Tursiops truncatus*) carrying dead calves

- 2022

Pedrazzi G., Giacomini G. and Pace D.S. (2022). First report of epimeletic and acoustic behaviour of bottlenose dolphin (*Tursiops truncatus*) carrying dead calves. *Biology*, 11(2): 337. <https://doi.org/10.3390/biology11020337>

Seagrass restoration monitoring and shallow-water benthic habitat mapping through a photogrammetry-based protocol

- 2022

Ventura D., Mancini G., Casoli E., Pace D.S., Jona-Lasinio G., Belluscio A., Ardizzone G. (2022). Seagrass restoration monitoring and shallow-water benthic habitat mapping through a photogrammetry-based protocol. *Journal of Environmental Management*, 304: 114262. <https://doi.org/10.1016/j.jenvman.2021.114262>

High spatial resolution underwater data for mapping seagrass transplantation: A powerful tool for visualization and analysis

- 2022

Ventura D., Castoro L., Mancini G., Casoli E., Pace D.S., Belluscio A., Ardizzone G. (2022). High spatial resolution underwater data for mapping seagrass transplantation: A powerful tool for visualization and analysis. *Data in Brief*, 40: 107735. <https://doi.org/10.1016/j.dib.2021.107735>

Determinants of variability in signature whistles of the Mediterranean common bottlenose dolphin

- 2022

La Manna G., Rako-Gospic N., Pace D.S., Bonizzoni S., Di Iorio L., Polimeno L., Perretti F., Ronchetti F., Giacomini G., Pavan G., Pedrazzi G., Labach H., and Ceccherelli G. (2022). Determinants of variability in signature whistles of the Mediterranean common bottlenose dolphin. *Scientific Reports*, 12(1): 6980. <https://doi.org/10.1038/s41598-022-10920-7>

Rehabilitation of Mediterranean animal forests using gorgonians from fisheries by-catch - 2022

Casoli E., Ventura D., Mancini G., Cardone S., Farina F., Donnini L., [Pace D.S.](#), Shaul R., Belluscio A., and Ardizzone G.D. (2022). Rehabilitation of Mediterranean animal forests using gorgonians from fisheries by-catch. *Restoration Ecology*, 30(1): e13465. DOI: <https://doi.org/10.1111/rec.13465>

Acoustic Presence of Dolphins Through Whistles Detection in Mediterranean Shallow Waters - 2021

Gregoriotti M., Papale E., Ceraulo M., de Vita C., [Pace D.S.](#), Tranchida G., Mazzola S., and Buscaino G. (2021). Acoustic Presence of Dolphins Through Whistles Detection in Mediterranean Shallow Waters. *Journal of Marine Science and Engineering*, 9: 78. DOI: <https://doi.org/10.3390/jmse9010078>

High spatial resolution photo mosaicing for the monitoring of marine benthic assemblages - 2021

Casoli E., Ventura D., Mancini G., [Pace D.S.](#), Belluscio A. and Ardizzone G. (2021). High spatial resolution photo mosaicing for the monitoring of marine benthic assemblages. *Coral Reefs*, 40: 1267-1280. <https://doi.org/10.1007/s00338-021-02136-4>

Capitoline dolphins: abundance estimates and residency patterns of *Tursiops truncatus* at the Tiber River estuary (Mediterranean Sea, Italy)

- 2021

[Pace D.S.](#), Di Marco C., Giacomini G., Ferri S., Papale E., Frachea A., Marini S., Casoli E., Ventura D., Mingione M., Alaimo di Loro P., Jona-Lasinio G., and Ardizzone G. (2021). Capitoline dolphins: abundance estimates and residency patterns of *Tursiops truncatus* at the Tiber River estuary (Mediterranean Sea, Italy). *Biology*, 10(4): 275. <https://doi.org/10.3390/biology10040275>

Artisanal fishing, dolphins, and interactive pinger: A study from a passive acoustic perspective

Buscaino G., Ceraulo M., Alonge G., [Pace D.S.](#), Grammauta R., Maccarrone V., Bonanno A., and Papale E. (2021). Artisanal fishing, dolphins, and interactive pinger: A study from a passive acoustic perspective. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(8): 2241-2256. <https://doi.org/10.1002/aqc.3588>

Trumpet sounds emitted by male sperm whales in the Mediterranean Sea - 2021

[Pace D.S.](#), Lanfredi C., Airoldi S., Giacomini G., Silvestri M., Pavan G., and Ardizzone G. (2021). Trumpet sounds emitted by male sperm whales in the Mediterranean Sea. *Scientific Report*, 11: 5867. <https://doi.org/10.1038/s41598-021-84126-8>

Integration of presence-only data from several data sources. A case study on dolphins' spatial distribution

- 2021

Martino S.*, [Pace D.S.*](#), Moro S., Casoli E., Ventura D., Frachea A., Silvestri M., Arcangeli A., Giacomini G., Ardizzone G., and Jona-Lasinio G. (2021). Integration of presence-only data from several data sources. A case study on dolphins' spatial distribution. *Ecography*, 44(10): 1533-1543. <https://doi.org/10.1111/ecog.05843> *Equal contribution

The conservation of the endangered Mediterranean common dolphin (*Delphinus delphis*): Current knowledge and research priorities

- 2021

Vella A., Murphy S., Verdugo J.G., de Stephanis R., Mussi B., Vella J.G., Larbi-Doukara K. and [Pace D.S.](#) (2021). The conservation of the endangered Mediterranean common dolphin (*Delphinus delphis*): Current knowledge and research priorities. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(S1): 110-136. <https://doi.org/10.1002/aqc.3538>

Facts and outcomes of the Mediterranean short-beaked common dolphin (*Delphinus delphis*) workshop

- 2021

[Pace D.S.](#), Mussi B., Vella A., and Vella J. (2021). Facts and outcomes of the Mediterranean short-beaked common dolphin (*Delphinus delphis*) workshop. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(S1): 5-7. <https://doi.org/10.1002/aqc.3549>

The higher, the closer, the better? Influence of sampling frequency and distance on the acoustic properties of common dolphins burst pulses in the Mediterranean Sea

- 2021

Papale E., Alonge G., Caruso F., Grammauta R., Mazzola S., Mussi B., [Pace D.S.](#), and Buscaino G. (2021). The higher, the closer, the better? Influence of sampling frequency and distance on the acoustic properties of common dolphins burst pulses in the Mediterranean Sea. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(S1): 5-7. <https://doi.org/10.1002/aqc.3158>

The decline of short-beaked common dolphin (*Delphinus delphis*) in the waters off the island of Ischia (Gulf of Naples, Italy)

- 2021

Mussi B., Zucchini A., Vivaldi C., Miragliuolo A. and [Pace D.S.](#) (2021). The decline of short-beaked common dolphin (*Delphinus delphis*) in the waters off the island of Ischia (Gulf of Naples, Italy). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(S1): 87-100. <https://doi.org/10.1002/aqc.3061>

Whistle variability of Mediterranean short-beaked common dolphin - 2021

Azzolin M., Gannier A., Papale E., Buscaino G., Mussi B., Ardizzone G., Giacoma C. and [Pace D.S.](#) (2021). Whistle variability of Mediterranean short-beaked common dolphin. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(S1): 36-50. <https://doi.org/10.1002/aqc.3168>

Reteporella spp. success in the re-colonization of bare coralligenous reefs impacted by Costa Concordia shipwreck: The pioneer species you did not expect

- 2020

Casoli E., Mancini G., Ventura D., [Pace D.S.](#), Belluscio A., and Ardizzone G. (2020). *Reteporella* spp. success in the re-colonization of bare coralligenous reefs impacted by Costa Concordia shipwreck: The pioneer species you did not expect. *Marine Pollution Bulletin*, 161: 111808. <https://doi.org/10.1016/j.marpolbul.2020.111808>

An integrated approach for cetacean knowledge and conservation in the central Mediterranean Sea using research and social media data sources

- 2019

[Pace D.S.](#), Giacomini G., Campana I., Paraboschi M., Pellegrino G., Silvestri M., Alessi J., Angeletti D., Cafaro V., Pavan G., Ardizzone G., and Arcangeli A. (2019). An integrated approach for cetacean knowledge and conservation in the central Mediterranean Sea using research and social media data sources. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 29(8): 1302-1323. <https://doi.org/10.1002/aqc.3117>

Habitat suitability modelling in sperm whale (*Physeter macrocephalus*) social groups - 2018

[Pace D.S.](#), Arcangeli A., Mussi B., Vivaldi C., Ledon C., Lagorio S., Giacomini G., Pavan G., and Ardizzone G. (2018). Habitat suitability modelling in sperm whale (*Physeter macrocephalus*) social groups. *Journal of Wildlife Management*, 82(5): 1062-1073. <https://doi.org/10.1002/jwmq.21453>

Italy introduces ante and post operam monitoring phases for offshore seismic exploration activities

- 2017

Fossati C., Mussi B., Tizzi R., Pavan G. and [Pace D.S.](#) (2017). Italy introduces ante and post operam monitoring phases for offshore seismic exploration activities. *Marine Pollution Bulletin*, 120(1-2): 376-378. <https://doi.org/10.1016/j.marpolbul.2017.05.017>

Analysis of the natural markings of Risso's dolphin (*Grampus griseus*) in the central Mediterranean Sea

- 2016

Mariani M., Miragliuolo A., Mussi B., Russo G.F., Ardizzone G. and [Pace D.S.](#) (2016). Analysis of the natural markings of Risso's dolphin (*Grampus griseus*) in the central Mediterranean Sea. *Journal of Mammalogy*, 97 (6): 1512-1524. <https://doi.org/10.1093/jmammal/gyw109>

First record of a hagfish anchored to a living bottlenose dolphin in the Mediterranean Sea - 2016

[Pace D.S.](#), Mussi B., Miragliuolo A., Vivaldi C. and Ardizzone G. (2016). First record of a hagfish anchored to a living bottlenose dolphin in the Mediterranean Sea. *Journal of Mammalogy*, 97 (3): 960-965. <https://doi.org/10.1093/jmammal/gyw022>

Cetacean value and conservation in the Mediterranean Sea - 2015

[Pace D.S.](#), Tizzi R., Mussi B. (2015). Cetacean value and conservation in the Mediterranean Sea. *Journal of Biodiversity and Endangered Species*, S1: S1.004. <https://doi.org/10.4172/2332-2543.S1.004>

Foreward - 2014

[Pace D.S.](#), Mussi B., Gordon J. and Wurtz M. (2014). Foreward. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 24(S1): 1-3. <https://doi.org/10.1002/aqc.2457>

Sociality of sperm whale off Ischia Island (Tyrrhenian Sea, Italy) - 2014

[Pace D.S.](#), Miragliuolo A., Mariani M., Vivaldi C., Mussi B. (2014). Sociality of sperm whale off Ischia Island (Tyrrhenian Sea, Italy). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 24(S1): 71-82. <https://doi.org/10.1002/aqc.2459>

Occurrence and spatio-temporal distribution of sperm whale (*Physeter macrocephalus*) in the submarine canyon of Cuma (Tyrrhenian Sea, Italy)

- 2014

Mussi B., Miragliuolo A., Zucchini A. and Pace D.S. (2014). Occurrence and spatio-temporal distribution of sperm whale (*Physeter macrocephalus*) in the submarine canyon of Cuma (Tyrrhenian Sea, Italy). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 24(S1): 59-70. <https://doi.org/10.1002/aqc.2460>

Assessing sperm whale (*Physeter macrocephalus*) movements within the Mediterranean Sea through photo-identification

- 2014

Carpinelli E., Gauffier P., Verborgh P., Airoidi S., David L., Di-Méglio N., Cañadas A., Frantzis A., Rendell L., Lewis T., Mussi B., Pace D.S. and de Stephanis R. (2014). Assessing sperm whale (*Physeter macrocephalus*) movements within the Mediterranean Sea through photo-identification. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 24(S1): 23-30. <https://doi.org/10.1002/aqc.2446>

Distribution and abundance estimates of bottlenose dolphins (*Tursiops truncatus*) around Lampedusa Island (Sicily Channel, Italy) - implications for their management

- 2014

Pulcini M., Pace D.S., Triossi F., La Manna G., Galante I., Fortuna M.C. (2014). Distribution and abundance estimates of bottlenose dolphins (*Tursiops truncatus*) around Lampedusa Island (Sicily Channel, Italy) - implications for their management. *Journal of the Marine Biological Association - JMBA*, 94(6): 1175-1184. <https://doi.org/10.1017/S0025315413000842>

Occurrence of bottlenose dolphins *Tursiops truncatus* in natural gas fields of the northwestern Adriatic Sea

- 2013

Triossi F., Willis T. and Pace D.S. (2013). Occurrence of bottlenose dolphins *Tursiops truncatus* in natural gas fields of the northwestern Adriatic Sea. *Marine Ecology*, 34: 373-379. <https://doi.org/10.1111/maec.12020>

Anthropogenic food patches and association patterns of bottlenose dolphin (*Tursiops truncatus*) at Lampedusa Island, Italy

- 2012

Pace D.S., Pulcini M. and Triossi F. (2012). Anthropogenic food patches and association patterns of bottlenose dolphin (*Tursiops truncatus*) at Lampedusa Island, Italy. *Behavioural Ecology*, 23(2): 254-264. <https://doi.org/10.1093/beheco/arr180>

Awareness, understanding and attitudes of Italians regarding palliative care - 2011

Benini F., Fabris M., Pace D.S., Versò V., Negro V., De Conno F., Orzalesi M.M. (2011) Awareness, understanding and attitudes of Italians regarding palliative care. *Annali Istituto Superiore Sanità*, 47(3): 253-259. https://doi.org/10.4415/ANN_11_03_03

First Record of Predation on False Killer Whales (*Pseudorca crassidens*) by Killer Whales (*Orcinus orca*)

- 2010

Visser I.N., Zaeschmar J., Halliday J., Abraham A., Ball P., Bradley R., Daly S., Hatwell T., Johnson T., Johnson W., Kay L., Maessen T., McKay V., Peters T., Turner N., Umuroa B., and Pace D.S. (2010). First Record of Predation on False Killer Whales (*Pseudorca crassidens*) by Killer Whales (*Orcinus orca*). *Aquatic Mammals*, 36(2): 195- 204. <https://doi.org/10.1578/AM.36.2.2010.195>

Behavior of a social unit of sperm whales (*Physeter macrocephalus*) entangled in a driftnet off Capo Palinuro (Southern Tyrrhenian Sea, Italy)

- 2008

Pace D.S., Miragliuolo A. and Mussi B. (2008). Behavior of a social unit of sperm whales (*Physeter macrocephalus*) entangled in a driftnet off Capo Palinuro (Southern Tyrrhenian Sea, Italy). *JCRM*, 10(2): 131-135. <https://hdl.handle.net/11573/994373>

CONFERENCE PARTICIPATION (POSTER/ORAL PRESENTATIONS) - LAST 5 YEARS

10/04/2024 - 12/04/2024

Pace D.S., Labriola M.S., Giacomini G. and Pedrazzi G. (2024). "Look Who's Talking": new insights into bottlenose dolphins' sociality gained from signature whistles. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Caradonna V., Borsani J.F., Pedrazzi G. and Pace D.S. (2024). Shipping noise induces changes in fin whale songs. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Pino G., Lanfredi C., Pedrazzi G., Airoidi S. and Pace D.S. (2024). Acoustic characterization of long-finned pilot whales' pulsed calls from the North-western Mediterranean Sea. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Labriola M.S., Pedrazzi G., Pammer P.O., Giacomini G., Jona Lasinio G. and Pace D.S. (2024). Bottlenose dolphins adjust their signature whistles during fishery interactions. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Turchi A., Pedrazzi G., Giacomini G. and Pace D.S. (2024). Skin marks analysis to assess bottlenose dolphin anthropogenic threats in the Roman seas (central Mediterranean). 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 10/04/2024

Pedrazzi G., Tumino C., Giacomini G. and Pace D.S. (2024). Preliminary analysis on the emission contexts of the bray-call sequences of the Mediterranean common bottlenose dolphin. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Mattiussi A., Pedrazzi G., Labriola M.S., Turchi A., Giacomini G., Pace D.S. (2024). Photo-identification data to define female reproductive parameters of bottlenose dolphin in the Tiber River estuary. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Patti P., Papale E., Pedrazzi G., Laspina M. & Pace D.S. (2024). DELFISHPAM project: passive acoustics to assess dolphins' interaction with fishing and aquaculture activities in the Maltese Islands. 35° European Cetacean Society Conference, Catania (Italy)

10/04/2024 - 12/04/2024

Pasanisi E., Pace D.S., Orasi A. and Arcangeli A. (2024). Navigating the Depths: A Comprehensive Review of Cetacean Distribution Models and Conservation Insights. 35° European Cetacean Society Conference, Catania (Italy)

18/04/2023 - 20/04/2023

Pedrazzi G., Troccoli A., Tumino C., D..... & Pace D.S. (2023). Whistles and bray-call variability in a Mediterranean bottlenose dolphin population: the effect of the context variables. 34° European Cetacean Society Conference, O Grove (Spain)

18/04/2023 - 20/04/2023

Antilli F., Lanfredi C., Pedrazzi G., Airoidi S. and Pace D.S. (2023). Potential signature whistles identified in groups of inner Mediterranean sub-population of long-finned pilot whales. 34° European Cetacean Society Conference, O Grove (Spain)

18/04/2023 - 20/04/2023

Comple F., Lanfredi C., Pedrazzi G., Airoidi S. and Pace D.S. (2023). Male sperm whales' (Physeter macrocephalus) foraging activity in the Western Ligurian Sea (Mediterranean Sea). 34° European Cetacean Society Conference, O Grove (Spain)

09/12/2019 - 12/12/2019

Borsani J.F., Papale E. and Pace D.S. (2019). How are fin whale songs affected by shipping noise in the Mediterranean Sea? World Marine Mammal Science (WMMS) Conference, Barcelona (Spain)

09/12/2019 - 12/12/2019

Frachea A., Arcangeli A., Giacomini G.,and Pace D.S. (2019). Modeling bottlenose and striped dolphins' distribution in relation to their prey's biomass in the Mediterranean Sea. World Marine Mammal Science (WMMS) Conference, Barcelona (Spain)

09/12/2019 - 09/12/2019

Papale E., Silvestri M., Giacomini G., Dalle Mura I., Pavan G., Grammauta R.,and Pace D.S. (2019). Acoustic response of bottlenose dolphins to airgun noise in the Adriatic Sea. World Marine Mammal Science (WMMS) Conference, Barcelona (Spain)

09/12/2019 - 12/12/2019

Marini S., Papale E., Giacomini G., Silvestri M.,..... and Pace D.S. (2019). Bottlenose dolphin social sounds during interaction with bottom-trawl fishery in the Mediterranean Sea. World Marine Mammal Science (WMMS) Conference, Barcelona (Spain)

TUTORSHIP - LAST 5 YEARS

Master Thesis Supervisor

Academic Year: 2022-2023

University: Sapienza University of Rome

Graduation Course: Statistical Methods and Applications (master)

Supervisors: G. Jona-Lasinio and D.S. Pace

Candidate: Petra Oswine Palmer

Thesis title: "Functional analysis of signature whistle in *Tursiops truncatus*"

Master Thesis Supervisor

Academic Year: 2022-2023

University: Sapienza University of Rome

Graduation Course: Ecobiology (master)

Supervisors: D.S. Pace and C. Lanfredi

Candidate: Giorgia Pino

Thesis title: "Prima caratterizzazione della struttura acustica dei suoni pulsati e multi-componente in *Globicephala melas* nell'area del Santuario Pelagos"

Master Thesis Supervisor

Academic Year: 2022-2023

University: Sapienza University of Rome

Graduation Course: Ecobiology (master)

Supervisors: D.S. Pace

Candidate: Alex Mattiussi

Thesis title: "*Female power*: prima caratterizzazione del network sociale e dei parametri riproduttivi femminili di una unità geografica mediterranea di *Tursiops truncatus*"

Master Thesis Supervisor

Academic Year: 2022-2023

University: Sapienza University of Rome

Graduation Course: Ecobiology (master)

Supervisors: D.S. Pace

Candidate: Alice Turchi

Thesis title: "Ad ogni azione la sua interazione: rilevanza ecologica e sociale dei marchi cutanei in *Tursiops truncatus*"

Master Thesis Supervisor

Academic Year: 2022-2023

University: Sapienza University of Rome

Graduation Course: Ecobiology (master)

Supervisors: D.S. Pace and G. Jona-Lasinio

Candidate: Maria Silvia Labriola

Thesis title: "*Look Who's Talking*": Analisi funzionale della variazione contesto-specifica dei fischi firma di tursiope (*Tursiops truncatus*) in un'unità geografica nel Mediterraneo centrale"

Master Thesis Supervisor

Academic Year: 2022-2023

University: Sapienza University of Rome

Graduation Course: Ecobiology (master)

Supervisors: D.S. Pace and J.F. Borsani

Candidate: Valentina Caradonna

Thesis title: "Canti di balenottera comune (*Balaenoptera physalus*) in Mar Ligure: caratteristiche strutturali e potenziali impatti del rumore navale"

Master Thesis Supervisor

Academic Year: 2022-2023
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Carolina Ricci
Thesis title: "L'integrazione del DNA ambientale nell'indagine sul comportamento alimentare del tursiope (*Tursiops truncatus*) in Mar Mediterraneo"

Master Thesis Supervisor

Academic Year: 2022-2023
University: Sapienza University of Rome
Graduation Course: Biological Sciences
Supervisor: D.S. Pace
Candidate: Alice Vaccaro
Thesis title: "*Life after whale fall*: processi chiave per il funzionamento degli ecosistemi marini profondi"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Elisa Saliva
Thesis title: "Home range, uso dell'habitat e pattern di attività di *Tursiops truncatus* in Mar Tirreno centrale"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Giulia Lamaj
Thesis title: "Studio del comportamento acustico del tursiope (*Tursiops truncatus*) durante l'interazione con la pesca a strascico"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Sofia Rinalduzzi
Thesis title: "*Tursiops truncatus* e pesca artigianale: variabilità del repertorio acustico durante fasi di alimentazione opportunistica"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Candidate: Gabriele Borsellini
Thesis title: "Influenza dei cambiamenti climatici sui macropredatori marini"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Statistics (master)
Supervisor: D.S. Pace & G. Jona-Lasinio
Candidate: Davide Betti
Thesis title: "Functional Analysis of Common Bottlenose Dolphin (*Tursiops truncatus*) Signature Whistles in a Mediterranean Geographical Unit"

Master Thesis Supervisor

Academic Year: 2021-2022

University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace and C. Lanfredi
Candidate: Federico Antilli
Thesis title: "Il repertorio acustico di *Globicephala melas* nell'area del Santuario Pelagos (Mediterraneo nord-occidentale)"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace and C. Lanfredi
Candidate: Valerio Comple
Thesis title: "Studio dell'ecologia alimentare di capodoglio (*Physeter macrocephalus*) nel Santuario Pelagos utilizzando tecniche di monitoraggio acustico passivo"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Irene D'Amario
Thesis title: "Analisi quali-quantitativa dei suoni pulsati e dei fischi emessi da *Tursiops truncatus* in contesti alimentari e sociali"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Aurora Troccoli
Thesis title: "Fischi firma di *Tursiops truncatus* in Mar Tirreno centrale: variazioni quali-quantitative in relazione ai contesti di emissione"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Serena Sciotti
Thesis title: "Analisi preliminare degli spiaggiamenti di *Caretta caretta* sulle coste del Lazio (2016-2020)"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Environmental Sciences
Supervisor: D.S. Pace
Candidate: Irene Giuliani
Thesis title: "Vita nel pod: socialità, dialetti e cultura in *Orcinus orca*"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Candidate: Valentina Caradonna
Thesis title: "Variazioni geografiche dei canti nei misticeti"

Master Thesis Supervisor

Academic Year: 2020-2021
University: Università Politecnica delle Marche

Graduation Course: Marine Biology (master)
Supervisor: D.S. Pace
Candidate: Letizia Moressa
Thesis title: "Social media e protocolli di ricerca: un approccio integrato per la modellizzazione della distribuzione e idoneità degli habitat per i cetacei in Adriatico"

Master Thesis Supervisor

Academic Year: 2021-2022
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Sara Verni
Thesis title: "The integration of environmental DNA in marine mammals' surveys: a case study on bottlenose dolphin (*Tursiops truncatus*) in the Mediterranean Sea"

Master Thesis Supervisor

Academic Year: 2020-2021
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Chiara Calcari
Thesis title: "Stabilità acustica e identità vocale nelle vocalizzazioni del pinguino africano (*Spheniscus demersus*)"

Master Thesis Supervisor

Academic Year: 2020-2021
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Carla Tumino
Thesis title: "Sequenze di Bray Call in *Tursiops truncatus*: caratteristiche sito- e contesto- specifiche in Mediterraneo"

Master Thesis Supervisor

Academic Year: 2020-2021
University: Sapienza University of Rome
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Candidate: Marcella Favazza
Thesis title: "Stima della lunghezza di capodoglio (*Physeter macrocephalus*) attraverso metodi acustici"

Master Thesis Supervisor

Academic Year: 2020-2021
University: Sapienza University of Rome
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Candidate: Elena Rossi
Thesis title: "Vocalizzazioni di balenottera comune (*Balaenoptera physalus*) e impatto dei fattori antropici"

Master Thesis Supervisor

Academic Year: 2019-2020
University: University of Pisa
Graduation Course: Marine Biology (master)
Supervisor: D.S. Pace
Candidate: Eleonora Pignata
Thesis title: "Integrazione di fonti di dati differenti per la stima e la previsione degli habitat idonei per i cetacei: un caso di studio in Arcipelago toscano"

Master Thesis Supervisor

Academic Year: 2019-2020
University: Sapienza University of Rome

Graduation Course: Environmental Sciences
Supervisor: D.S. Pace
Candidate: Zenab Irshaid
Thesis title: "Impatto del rumore antropogenico sulla fauna marina"

Master Thesis Supervisor

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Sara Ferri
Thesis title: "Struttura sociale e vocalizzazioni di *Tursiops truncatus* nel Mar Tirreno centrale"

Master Thesis Supervisor

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Chiara Di Marco
Thesis title: "Pressioni antropiche su *Tursiops truncatus* in Mar Tirreno centrale: effetti a livello di popolazione e di individuo"

Master Thesis Supervisor

Academic Year: 2019-2020
University: Sapienza University of Rome
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Candidate: Alessandro Frachea
Thesis title: "Modellizzazione della distribuzione di due specie di delfinidi in relazione alla biomassa delle loro principali prede in Mediterraneo centrale"

Master Thesis Supervisor

Academic Year: 2019-2020
University: Sapienza University of Rome & Università della Tuscia
Graduation Course: Ecobiology (master)
Supervisor: D.S. Pace
Mentor: Prof. Dario Angeletti (Ecologia)
Candidate: Sara Marini
Thesis title: "Caratterizzazione dei fischi di tursiope (*Tursiops truncatus*) durante le interazioni con la pesca a strascico"

Master Thesis Supervisor

Academic Year: 2019-2020
University: University of Rome 3
Graduation Course: Natural Sciences
Supervisor: D.S. Pace
Mentor: Prof. Massimiliano Scalici (Zoologia)
Candidate: Zoe Olivieri
Thesis title: "Relation between the anatomy of the beluga's skull and echolocation"

THIRD MISSION ACTIVITIES - LAST 3 YEARS

08/06/2023 - 10/06/2023

World Ocean Day 2023

Co-organizer with INGV and speaker at the United Nations "World Ocean Day 2023" event, Castello di Santa Severa, Rome (Italy)

<https://www.ingv.it/giornatamondialedeglioceani/programma#roma>

25/10/2021 - 25/10/2021

TV/Radio broadcast

Invited speaker at the TV program "PARLIAMONE" by RAI NEWS 24 on the sounds of cetaceans.

<https://carotelevisip.net/2021/10/25/due-righe-due-su-parliamone-di-rainews24-condotto-da-chiara-paduaano/>

01/10/2021 - 01/10/2021

TV/Radio broadcast

Invited speaker at the TV program " UNOMATTINA" by RAI 1 on marine mammals bioacoustics

https://www.raiplay.it/video/2021/10/Arrivano-i-capodogli---Unomattina----01102021-bdbad30b-d8a3-4274-b5ef-60d1e01c5d6a.html?fbclid=IwAR0iH4b8clOd92yk_6M_Dy3-T6pSh1V9_b4jVXdSkMgfofYtCiLgyQyayFo

16/04/2021 - 16/04/2021

Web Interview

Nature Publishing - IL BO LIVE - Sperm whale trumpets

https://ilbolive.unipd.it/it/news/cosa-dicono-giganti-marini-trumpet-capodogli?fbclid=IwAR1nUt6IKV7TRDQC93xTF3zXNOWjz_o-To01O5IXxJlxfXdzv-Y79g8kaLI

Rome, 08/01/2024

F.to

DANIELA SILVIA PACE