



Daniela Silvia Pace

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

● WORK EXPERIENCE

2018 - CURRENT Rome, Italy

UNIVERSITY RESEARCHER and CONTRACT PROFESSOR SAPIENZA UNIVERSITY OF ROME

- Teaching "Marine Mammals Ecology and Acoustic Behaviour" at the Ecobiology Master Degree
- Research on marine mammals' behaviour, ecology, acoustics and conservation
- Research and monitoring of noise in the marine environment, and its impact on marine mammals
- 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
- Co-Scientific Coordination of the Project "JCDM - Joint Cetacean Database and Mapping" by Sapienza University of Rome
- 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
- Research campaigns at Ny-Ålesund (Svalbard Islands, Norway)

2012 - CURRENT Italy

MARINE MAMMALS MONITORING AND NOISE EXPERT (CONSULTANCY) RINA CONSULTING, PROGER S.P.A, SHELTER S.R.L., STUDIO SEVERINI S.R.L., DUOMI 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, Vado Ligure gas terminal)

1998 - 2017 Rome, Italy

PRESIDENT OCEANOMARE DELPHIS ONLUS NPO

- Strategic planning and scientific direction (monitoring, research and conservation of cetaceans in the Mediterranean Sea)
- Management of economic and human resources
- Definition and implementation of research, monitoring and conservation projects on cetaceans
- 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 monitoring, 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	C1	B2	B2	C1

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

SELECTED 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

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: 144.400 (74.400 in 2021-2023 and 70.000 in 2024-2026) 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

20/03/2024 - 27/03/2024 - Roma Tre University, Italy

- **Sentinel species in marine ecosystems: cetaceans and sea turtles in the Mediterranean Sea**
- **Aquatic mammals threats and conservation**

Role: invited speaker

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**
- **Marine mammals and climate change**
- **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

Mattiussi, A., Labriola, M., Pedrazzi, G., Turchi, A., Rinalduzzi, S., Giacomini, G., and Pace, D.S. (2024). Uplifting conservation management strategies: mid-term studies are able to capture the dynamic patterns of site-fidelity and seasonal abundance of coastal dolphin populations. Submitted to Ocean and Coastal Management

Turchi, A., Pedrazzi, G., Mattiussi, A., Labriola, M., Petrone, D., Rinalduzzi, S., Giacomini, G., and Pace, D.S. (2024). Skin marks in Capitoline dolphins shed light on threats to the population at the Tiber River Estuary (Mediterranean Sea). Submitted to Aquatic Conservation

Papale E., Giacomini G., Grammauta R., Silvestri M., Pedrazzi G., and Pace D.S. (2024). Acoustic response of common bottlenose dolphin (*Tursiops truncatus*) to airgun noise in the Adriatic Sea (Italy). Submitted to Marine Pollution Bulletin

Bellingeri M., Nebuloni, A. Akkaya A., Alessi J., Arcangeli A., Airoidi S., Azzinari C., Gonzalvo J., David L., Di Meglio N., Cañadas A.M., Awbery T., Campana I., Azzolin M., Dede A., Tonay A.M., Monaco C., Pellegrino G., Tepsich P., Moulins A., Labach H., Scheinin A., Mevorach Y., Carlucci R., Santacesaria F.C., Chicote C.A., Gazo M., Tintore B., Mandich A., Bittau L., Diaz Lopez B., La Manna G., Mussi B., Nuti S., Pace D.S., Decandia D., Castelli A., Santoni M.C., Verga A., Tomasi N., Giacomina C., Costantino M., Falabrino M., Azzellino A., Gnone G. (2024). Ecology of the common bottlenose dolphin in the Mediterranean Sea: are there two ecotypes? Scientific Reports, *in press*

Pace D.S., Pedrazzi G., D'Amario I., Troccoli A., Giacomini G., Pavan G., Ventura D., Casoli E., Ardizzone G.D. and Papale E. (2024). The acoustic ecology of wide-ranging cetaceans: the effect of the interactions with the surrounding environment in sound expression. Integrative Zoology, <https://doi.org/10.1111/1749-4877.12934>

Labriola, M.S., Pammer, P., Pedrazzi, G., Giacomini, G., Jona-Lasinio, G., and Pace, D.S. (2024). A Functional Data Analysis approach for modelling frequency-modulated tonal sounds in animal communication. Methods in Ecology and Evolution, <https://doi.org/10.1111/2041-210X.14446>

Pace D.S. and Pedrazzi G. (2024). Bottlenose dolphin acoustic emissions during predation on flathead grey mullets using barrier feeding techniques: a case study in the Mediterranean Sea. *Ethology, Ecology and Evolution*, <https://doi.org/10.1080/03949370.2024.2411507>

Pasanisi E., Pace D.S., Vitale M., Orasi A. and Arcangeli A. (2024). A global systematic review of species distribution modelling approaches for cetaceans and sea turtles. *Ecological Informatics*, <https://doi.org/10.1016/j.ecoinf.2024.102700>

Caruso, G., Alaimo di Loro, P., Mingione, M., Tardella, L., Pace, D.S., and Jona-Lasinio, G. (2024). 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>

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., Giacomina 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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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

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>

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>

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>

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>

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>

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>

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>

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/jwmg.21453>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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

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>

Pace D.S (2009). I cetacei del Mediterraneo e la conservazione. In: Atti del 35° Seminario sulla Evoluzione biologica e i grandi problemi della biologia. La Biodiversità. Accademia Nazionale dei Lincei, pp. 51-85.

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)

Pace D.S., Irshaid, Z., Pedrazzi, G., Papale, E., Buscaino, G., & Cerulo, M. (2024). First assessment of the biophonies in the underwater soundscape of the Marine Protected Area "Secche di Tor Paterno" (Mediterranean Sea). Annual Congress of the Italian Ecological Society (SIIE), Rome, 24-25 September 2024. **[Oral Presentation]**

Caradonna V., Borsani J.F., Pedrazzi G. & Pace D.S. (2024). Shipping noise causes fin whale songs to shift to lower frequencies and reduces fitness. 57th European Marine Biology Symposium, Naples, 16-20 September 2024. **[Oral Presentation]**

Labriola M.S., Pedrazzi G., Pammer P.O., Giacomini G., Jona Lasinio G. & Pace D.S. (2024). A computational bioacoustics approach for modelling signal modulation in sentinel species. 23 European Conference on Computational Biology (ECCB) 2024, Turku, Finland, 16-20 September 2024. **[Poster Presentation]**

Mastrantonio, G., Jona Lasinio, G., Pammer, P.O., Pedrazzi, G., Pace, D.S., Labriola, M.S. (2024), Clustering dolphin signature whistles with Dirichlet process mixtures. 52nd Scientific Meeting of the Italian Statistical Society, Bari, Italy, 17-20 June 2024. **[Oral Presentation]**.

Pasanisi E., Pace D.S., Orasi A. and Arcangeli A. (2024). Filling the gaps on sea turtles' spatial ecology: an overview on species distribution modelling studies. 53^o Congresso della Società Italiana di Biologia Marina (SIBM), Rome (Italy), 12-13 June 2024. **[Poster Presentation]**

Pace D.S., Labriola M.S., Giacomini G. & Pedrazzi G. (2024). "Look Who's Talking": new insights into bottlenose dolphins' sociality gained from signature whistles. 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Oral Presentation]**

Caradonna V., Borsani J.F., Pedrazzi G. & Pace D.S. (2024). Shipping noise induces changes in fin whale songs. 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Oral Presentation]**

Pino G., Lanfredi C., Pedrazzi G., Airolidi S. & Pace D.S. (2024). Acoustic characterization of long-finned pilot whales' (*Globicephala melas*) pulsed calls from the North-western Mediterranean Sea. 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Oral Presentation]**

Labriola M.S., Pedrazzi G., Pammer P.O., Giacomini G., Jona Lasinio G. & Pace D.S. (2024). Bottlenose dolphins adjust their signature whistles during fishery interactions: the influence of human activities on individual recognition and cooperation. 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Oral Presentation]**

Turchi A., Pedrazzi G., Giacomini G. & Pace D.S. (2024). Skin marks analysis to assess bottlenose dolphin anthropogenic threats in the Roman seas (central Mediterranean). 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Poster Presentation]**

Pedrazzi G., Tumino C., Giacomini G. & Pace D.S. (2024). Preliminary analysis on the emission contexts of the bray-call sequences of the Mediterranean common bottlenose dolphin. 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Poster Presentation]**

Mattiussi A., Pedrazzi G., Labriola M.S., Turchi A., Giacomini G. & Pace D.S. (2024). Use of photo-identification data to define female reproductive parameters of bottlenose dolphins (*Tursiops truncatus*) in the Tiber River estuary (central Mediterranean Sea, Italy). 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Poster Presentation]**

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^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Poster Presentation]**

Pasanisi E., Pace D.S., Orasi A. & Arcangeli A. (2024). Navigating the Depths: A Comprehensive Review of Cetacean Distribution Models and Conservation Insights. 35^o European Cetacean Society Conference, Catania (Italy), 10-12 April 2024. **[Poster Presentation]**

Pedrazzi G., Troccoli A., Tumino C., D'Amario I., Silvestri M., Giacomini G. & Pace D.S. (2023). Whistles and bray-call variability in a Mediterranean bottlenose dolphin population: the effect of the context variables. 34^o European Cetacean Society Conference, O Grove, Galitia (Spain), 18-20 April 2023. **[Poster Presentation]**

Mastrantonio, G., Bibbona, E., Yip, H.C., Jona Lasinio, G., Pollice, A., Pace, D.S., Labriola, M.S., Valente, D., Gamba, M. (2024). From Dolphins to Lemurs: Two Applications of Statistical Modeling in Animal Sound Analysis. ISM Symposium on Environmental Statistics, Tokyo, Japan, 20-22 March 2024. **[Oral Presentation]**

Environmental Statistics 2024, Tokyo, Japan Antilli F., Lanfredi C., Pedrazzi G., Airolidi S. & Pace D.S. (2023). Potential signature whistles identified in groups of inner Mediterranean sub-population of long-finned pilot whales (*Globicephala melas*). 34^o European Cetacean Society Conference, O Grove, Galitia (Spain), 18-20 April 2023. **[Poster Presentation]**

Compte F., Lanfredi C., Pedrazzi G., Airoidi S. & Pace D.S. (2023). Male sperm whales' (*Physeter macrocephalus*) foraging activity in the Western Ligurian Sea (North-western Mediterranean Sea). 34th European Cetacean Society Conference, O Grove, Galitia (Spain), 18-20 April 2023. **[Poster Presentation]**

Borsani J.F., Papale E. & 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), 9-12 December 2019. **[Poster Presentation]**

Frachea A., Arcangeli A., Giacomini G., Silvestri M., Criscoli A., Ferri S., Di Marco C., Marini S., Campana I., Paraboschi M., Pellegrino G., Alessi J., Cafaro V., Angeletti D., Pavan G., Papale E., Jona-Lasinio G., Moro S., Ardizzone G.D. & 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), 9-12 December 2019. **[Poster Presentation]**

Papale E., Silvestri M., Giacomini G., Dalle Mura I., Pavan G., Grammauta R., Ardizzone G.D. & Pace D.S. (2019). Acoustic response of bottlenose dolphins (*Tursiops truncatus*) to airgun noise in the Adriatic Sea. World Marine Mammal Science (WMMS) Conference, Barcelona (Spain), 9-12 December 2019. **[Poster Presentation]**

Marini S., Papale E., Giacomini G., Silvestri M., Di Marco C., Ferri S., Frachea A., Buffa G., Buscaino G., Angeletti D., Pavan G., Ardizzone G.D. & 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), 9-12 December 2019. **[Oral Presentation]**

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Pace D.S., Miragliuolo A., Dernowski R., Vivaldi C. & Mussi B. (2013). Acoustically derived growth rates of sperm whales (*Physeter macrocephalus*) around Ischia and Ventotene islands (Italy): preliminary results. 30th International workshop of the International School of Ethology (Erice, Italy) "Cetacean echolocation and outer space neutrinos: ethology and physics for an interdisciplinary approach to underwater bioacoustics and astrophysical particles detection". Erice, October 18-21, 2013. **[Poster Presentation]**

Pace D.S., Mariani M., Miragliuolo A. & Mussi B. (2010). Occurrence and distribution of the endangered short-beaked common dolphin (*Delphinus delphis*) and possible impact of striped dolphin (*Stenella coeruleoalba*) off Ischia Island (south-eastern Tyrrhenian Sea, Italy). Annual Conference of the European Cetacean Society (ECS), Stralsund, Germany, 02-04 March, 2010. **[Poster Presentation]**

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Berretta C., Cataldi M.A., Morri E., Pace D.S., Scolozzi R., Zaccarelli N. & Santolini R. (2009). Stima dei servizi ecosistemici a scala regionale come supporto a strategie di sostenibilità XXVI Congresso Nazionale della Società Italiana di Ecologia (SIte), Bolzano 15-18 settembre 2009. **[Poster Presentation]**

Pace D.S., Mariani M., Miragliuolo A., Venier M. & Mussi B. (2009). Preliminary analysis of the social structure of the short-beaked common dolphin (*Delphinus delphis*) in the Tyrrhenian Sea, Italy. Annual Conference of the European Cetacean Society (ECS), Istanbul, Turkey, 02-04 March, 2009. **[Poster Presentation]**

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Arcangeli A., Bedocchi A., Bellingeri M., Cerioli N., Crosti R., Fossa F., Frigerio L., Gattoni A.M., Gnone G., Lorusso L.C., Mussi B., Muzi E., Nuti S., Pace D.S., Poggi A., Tepsich P., Ukmar E. (2008). La ricerca sui Cetacei in Italia: quale contributo per la conservazione? 6° Congresso CoNISMa. Lecce, 4 - 8 novembre 2008. **[Oral Presentation]**

Blasi M.F. & Pace D.S. (2006). Interaction between bottlenose dolphins (*Tursiops truncatus*) and fishery in Eolian Archipelago. 1st European Congress of Conservation Biology, 22-26 August 2006 - Eger, Hungary. **[Poster Presentation]**

Blasi M.F. & Pace D.S. (2006). Interactions between bottlenose dolphin (*Tursiops truncatus*) and the artisanal fishery in Filicudi Island (Italy). Annual Conference of the European Cetacean Society (ECS), Gdynia, Poland, 02-07 April, 2006. **[Poster Presentation]**

Pace D.S. & Iadevito M.L. (2005). Habitat Preference and Feeding Behaviour of a Lone Bottlenose Dolphin (*Tursiops truncatus*) in the Gulf of Manfredonia - Italy. Kyoto Conference "Delphinid and Primate Social Ecology: A Comparative Discussion". Kyoto, Japan, July 29 - 30, 2005. **[Poster Presentation]**

Pace D.S., Miragliuolo A. & Mussi B. (2005). Behaviour of a nursery group of entangled sperm whale (Southern Thyrrenian Sea, Italy). Annual Conference of the European Cetacean Society (ECS), La Rochelle, France, 01-04 April, 2005. **[Poster Presentation]**

Mussi B., Miragliuolo A. & Pace D.S. (2005). Acoustics and behaviour of sperm whale nursery groups in the water of Ischia, Italy. Annual Conference of the European Cetacean Society (ECS), La Rochelle, France, 01-04 April, 2005. **[Poster Presentation]**

Coldagelli, Pace D.S. & Tizzi R. (2005). Pattern of association of bottlenose dolphin (*Tursiops truncatus*) females during gestation and postnatal period. Annual Conference of the European Cetacean Society (ECS), La Rochelle, France, 01-04 April, 2005. **[Poster Presentation]**

Matassa D.S., Tizzi R. & Pace D.S. (2005). Aggressiveness, dominance and reconciliation in bottlenose dolphin (*Tursiops truncatus*) females during gestation and after birth. Annual Conference of the European Cetacean Society (ECS), La Rochelle, France, 01-04 April, 2005. **[Poster Presentation]**

Marcucci S., Tizzi R. & Pace D.S. (2005). Tactile interactions of two females of bottlenose dolphin (*Tursiops truncatus*) during pre and postpartum periods. Annual Conference of the European Cetacean Society (ECS), La Rochelle, France, 01-04 April, 2005. **[Poster Presentation]**

Pace D.S. & Iadevito M.L. (2005). Preferenza di habitat e comportamento alimentare di un individuo solitario di *Tursiops truncatus* (Montagu, 1821) nel Golfo di Manfredonia. 66° Congresso Unione Zoologica Italiana (UZI), Roma, 16-22 settembre, 2005. **[Oral Presentation]**

Tizzi R., Pace D.S., Accorsi, P.A., Gamberoni, M., San Juan Rodriguez, J., Catacchio, S. and Azzali, M. (2004). Multidisciplinary approach to the study of *Tursiops truncatus* pregnancy a crucial value? Annual Conference of the European Cetacean Society (ECS), Kolmården, Sweden, 28-31 March, 2004. **[Poster Presentation]**

Pace D.S. & Tizzi R. (2003). Learning maternal care: a possible example in *Tursiops truncatus*. Annual Conference of the European Association for Aquatic Mammals (EAAM), Tenerife, March 12-15, 2003. **[Poster Presentation]**

Tizzi R., Gabaldo M. & Pace D.S. (2003). Behavioral aspects of pregnancy in bottlenose dolphin (*Tursiops truncatus*). Annual Conference of the European Association for Aquatic Mammals (EAAM), Tenerife, March 12-15, 2003. **[Poster Presentation]**

Pace D.S., Pulcini M. & Triossi F. (2003). Interactions with fisheries: modalities of opportunistic feeding for bottlenose dolphins at Lampedusa Island. Annual Conference of the European Cetacean Society (ECS), Las Palmas, Gran Canaria, March 9-12, 2003. **[Poster Presentation]**

Tizzi R. & Pace D.S. (2003). Individual differences in maternal behaviour profile in bottlenose dolphin: presence of crucial factors? Annual Conference of the European Cetacean Society (ECS), Las Palmas, Gran Canaria, March 9-12, 2003. **[Poster Presentation]**

Pace D.S., Pulcini M. & Triossi F. (2002). Ecologia comportamentale e conservazione: interazione tra *Tursiops truncatus* e pesca a strascico presso l'Isola di Lampedusa. Congresso della Società Italiana di Etologia (SIE), Torino, 17-20 settembre 2002. **[Poster Presentation]**

Borrelli L., Pace D.S., Zullo M. & Fiorito G. (2002). Il repertorio comportamentale di *Octopus vulgaris*: metodologie di analisi e aspetti neuro-comportamentali della contemporaneità di azioni, posture e display cromatici. Congresso della Società Italiana di Etologia (SIE), Torino, 17-20 settembre 2002. **[Poster Presentation]**

Tizzi R. & Pace D.S. (2002). Apprendimento delle cure parentali: un possibile esempio nel tursiope (*Tursiops truncatus*). Congresso della Società Italiana di Etologia (SIE), Torino, 17-20 settembre 2002. **[Poster Presentation]**

Pace D.S. & Triossi F. (2001). Behaviour of Bottlenose dolphin (*Tursiops truncatus*) in association with trawls: results at Lampedusa Island (Italy). World Marine Mammal Science Conference, Vancouver, Canada, November 28 - December 3, 2001. **[Poster Presentation]**

Pace D.S. & Tizzi R. (2001). Learning maternal care: a possible example in bottlenose dolphin (*Tursiops truncatus*). World Marine Mammal Science Conference, Vancouver, Canada, November 28 - December 3, 2001. **[Poster Presentation]**

Pace D.S., Borrelli L. & Fiorito G. (2001). Color patterns in *Octopus vulgaris* (Cephalopoda, Mollusca): displays and/or signals? VIII Congress of the European Society for Evolutionary Biology (ESEB), Aarhus, Denmark, August 20-26, 2001. **[Poster Presentation]**

Pulcini M., Triossi F. & Pace D.S. (2001). Distribution, habitat use and behavior of bottlenose dolphin at Lampedusa Island: results of five-years survey. Annual Conference of the European Cetacean Society (ECS), Rome, May 6-10, 2001. **[Poster Presentation]**

Tizzi R., Gabaldo M. & Pace D.S. (2001). Pregnancy in bottlenose dolphin (*Tursiops truncatus*): behavioral and respiratory aspects. Annual Conference of the European Cetacean Society (ECS), Rome, May 6-10, 2001. **[Poster Presentation]**

Tizzi R., Castellano A. & Pace D.S. (2000). The development of play behavior in bottlenose dolphin calf (*Tursiops truncatus*). Annual Conference of the European Cetacean Society (ECS), Cork, April 2-5, 2000. **[Poster Presentation]**

Tizzi R., Chieruzzi T. & Pace D.S. (1999). The development of contact behavior in *Tursiops truncatus* calves. 13th Biennial Conference Biology of Marine Mammals, Maui (Hawaii, USA), 28 November-3 December, 1999. **[Poster Presentation]**

Pace D.S., Pulcini M. & Triossi F. (1998). *Tursiops truncatus* population at Lampedusa Island (Italy): preliminary results. World Marine Mammal Science Conference, Monaco, January 20-24, 1998, Abstract p. 102. **[Poster Presentation]**

Pulcini M. & Pace D.S. (1998). Behavior and ecology of *Delphinus delphis* in the Ionian Island of Greece. World Marine Mammal Science Conference, Monaco, January 20-24, 1998, Abstract p. 109. **[Poster Presentation]**

Tizzi R., Trombetti C. & Pace D.S. (1998). Alloparental care in *Tursiops truncatus*: a case report. World Marine Mammal Science Conference, Monaco, January 20-24 1998, Abstract p. 135. **[Poster Presentation]**

Pulcini M., Pace D.S., Triossi F. (1997). Note sulla presenza di *Tursiops truncatus* lungo le coste dell'isola di Lampedusa. III Convegno nazionale sui Cetacei (Centro Studi Cetacei), Napoli, 5-6 dicembre, 1997. **[Poster Presentation]**

Pulcini M., Pace D.S., Triossi F. & Cerioni S. (1997). Preliminary results on the occurrence of *Tursiops truncatus* along Lampedusa Island coasts. Annual Conference of the European Cetacean Society (ECS), Stralsund, March 10-12, 1997. **[Poster Presentation]**

Pulcini M., Pace D.S., Mecozzi M. & Cerioni S. (1996). Use of multivariate analysis and photoidentification techniques on a population of *Delphinus delphis*, Linnaeus, 1758, in the Ionian Island of Greece. XXVII Congresso della Società Italiana di Biologia Marina (SIBM), Isola d'Elba, 20-25 maggio, 1996. **[Poster Presentation]**

Fano E.A., Colangelo M.A., Pace D.S., Picciotti S., Vercillo R. (1990). Tabelle di vita e di fertilità di quattro popolazioni di *Asellus aquaticus* (L.) (Crust. Isop.). Abstract U.Z.I. Atti: 93. **[Poster Presentation]**

● TUTORSHIP – (selection, LAST 5 YEARS)

Master Thesis Supervisor

Academic Year: 2023-2024

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

● **THIRD MISSION – (selection, LAST 3 YEARS)**

05/10/2024 - 05/10/2024

Pianeta Terra Festival

Invited speaker "CLICK, FISCHI E CANTI: IL LINGUAGGIO DELLA COMUNITÀ DELLE BALENE E DEI DELFINI"

<https://www.pianetaterrafestival.it/blog/2024/09/17/5-ott-pace/>

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://carotelevip.net/2021/10/25/due-righe-due-su-parliamone-di-rainews24-condotto-da-chiara-paduano/>

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=IwAR0iH4b8cOd92yk_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-To01O5lXxJlxfXdzv-Y79g8kaLl

La sottoscritta dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Roma, 11/12/2024

f.to DANIELA SILVIA PACE