

## Simonepietro Canese



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**Current Position:** Tecnologo II° livello, Senior Technologist

**Current Affiliation:**

Department for Research Infrastructures for marine biological resources (RIMAR), Marine Robotics Technology Implementations (ITR)

**Education/Training/Experience**

Institute and Location	Degree / Function	Year	Field of Study
University of Genova, Zoology Institute, Marine Biology and Animal Ecology Laboratory. Via Balbi 5, 16126 Genova. Italy	Master Degree	1990-1996	Observations on fishing and biology of Atlantic bonito, <i>Sarda sarda</i> (Bloch, 1793)
University of Genova, Institute for Marine Environmental Sciences. Corso Europa 26 16132 Genova. Italy	Ph.D.	2001-2005	Habitat use and migrations of large marine vertebrates using satellite telemetry
Italian Institute for Environmental Protection and Research. Via Vitaliano Brancati 48 – 00144 Rome – Italy	Researcher	2005-2019	Deep sea habitat and species ecology, distribution, abundance and monitoring through use of remotely operated vehicle
Stazione Zoologica Anton Dohrn, Napoli, Italy	Senior Technologist	October 2019 - present	Deep sea habitat and species ecology, distribution, abundance and monitoring Development of robotics technologies for research in deep sea

## Publications

Author of 83 publications on ISI-journals (h index: 26)

### *List of publications of the last 10 years (2010-present):*

#### Peer-reviewed publications:

- F. Enrichetti, C. Dominguez-Carrió, M. Toma, G. Bavestrello, S. Canese, M. Bo. (2020). Assessment and distribution of seafloor litter on the deep Ligurian continental shelf and shelf break (NW Mediterranean Sea). *Marine Pollution Bulletin* 151. <https://doi.org/10.1016/j.marpolbul.2019.110872>
- P. Consoli, M. Sinopoli, A. Deidun, S. Canese, C. Berti, F. Andaloro, T. Romeo. (2020). The impact of marine litter from fish aggregating devices on vulnerable marine benthic habitat of the central Mediterranean Sea. *Marine Pollution Bulletin*, 152 (2020) 110928. <https://doi.org/10.1016/j.marpolbul.2020.110928>
- L. Angeletti, S. Canese, F. Cardone, G. Castellan, F. Foglini, M. Taviani. (2020). A brachiopod biotope associated with rocky bottoms at the shelf break in the central Mediterranean Sea: Geobiological traits and conservation aspects. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 1:10 DOI: 10.1002/aqc.3255
- Esposito V., Canese S., Scotti G., Bo M., De Vittori C., Andaloro F., Romeo T. (2019) *Spiculosiphon oceana* (foraminifera) and its affinity to intermediate stress conditions in the Panarea hydrothermal complex (Mediterranean Sea). *Marine Biodiversity Records*. 12:23 <https://doi.org/10.1186/s41200-019-0183-4>.
- Enrichetti F., Dominguez-Carrió C., Toma M., Bavestrello G., Betti F., Canese S., Bo M. (2019). Megabenthic communities of the Ligurian deep continental shelf and shelf break (NW Mediterranean Sea). *PLoS ONE* 14(10):e0223949. [doi.org/10.1371/journal.pone.0223949](https://doi.org/10.1371/journal.pone.0223949)
- K Cuny-Guirriec, E Douville, S Reynaud, D Allemand, L.Bordiera, M.Canese, C.Mazzoli, M. Taviani, S. Canese, M. McCulloch, J. Trotter, S. DamiánRico-Esenaro, J.-AlbertSanchez-Cabeza, A. CarolinaRuiz-Fernández, J. P.Carricart-Ganivet, P. M.Scott, A. Sadekov, P. Montagna.(2019). Coral Li/Mg thermometry: Caveats and constraints. *Chemical Geology* 523: 162-178. <https://doi.org/10.1016/j.chemgeo.2019.03.038>
- M. Bertolino, S. Ricci, S. Canese, A. Cau, G. Bavestrello, M. Pansini and M. Bo. (2019). Diversity of the sponge fauna associated with white coral banks from two Sardinian canyons (Mediterranean Sea). *Journal of the Marine Biological Association of the United Kingdom*. 99(8): 1735-1751. DOI: <https://doi.org/10.1017/S0025315419000948>
- M.Giusti, S.Canese, M.Fourt, M.Bo, C. Innocenti, A. Goujard, B. Daniel, L. Angeletti, M.Taviani, L.Aquilina, Tunesi L. (2019). Coral forests and Derelict Fishing Gears in submarine canyon systems of the Ligurian Sea. *Progress In Oceanography* 178:102186 DOI: 10.1016/j.pocean.2019.102186
- Bo M, Bavestrello G, Di Muzio G, Canese S, Betti F (2019). First record of a symbiotic relationship between a polyclad and a black coral with description of *Anthoplana antipathellae* gen. et sp. nov. (*Acotylea*, *Notoplanidae*). *Mar Biodiv* 49, 2549–2570 doi:10.1007/s12526-019-00982-8
- S.J. Parker, S. Mormede, S.M. Hanchet, A. Devries, S. Canese and L. Ghigliotti (2019). Monitoring Antarctic toothfish in McMurdo Sound to evaluate the Ross Sea region Marine Protected Area . *Antarctic Science* 31(4):1-13 DOI: 10.1017/S0954102019000245

- Enrichetti, F., Bo, M., Morri, C., Montefalcone, M., Toma, M., Bavestrello, G., Tunesi, L., Canese, S., M. Giusti, E. Salvati, R. M. Bertolotto, Bianchi, C.N.(2019). Assessing the environmental status of temperate mesophotic reefs: A new, integrated methodological approach. *Ecological Indicators* 102, 218-229. DOI: 10.1016/j.ecolind.2019.02.028
- P. Consoli, T., Romeo, T., Angiolillo, M., Canese, S., Esposito, V., Salvati, E., Scotti, G., Andaloro, F., Tunesi, L. (2019). Marine litter from fishery activities in the Western Mediterranean Sea: The impact of entanglement on marine animal forests. *Environmental Pollution*, 249, 472-481 doi: 10.1016/j.envpol.2019.03.072.
- D. Moccia, A. Cau, A. Alvito, S. Canese, R. Cannas, M. Bo, M. Angiolillo, M. C. Follesa. (2019). New sites expanding the “Sardinian cold-water coral province” extension: a new potential Cold-Water Coral network? *Aquatic Conservation Marine and Freshwater Ecosystems*; 29(1):153-160., DOI:10.1002/aqc.2975
- M. Cecchetto, C. Lombardi, S. Canese, S. Cocito, P. Kuklinski, C. Mazzoli, S. Schiaparelli. (2019). The Bryozoa collection of the Italian National Antarctic Museum, with an updated checklist from Terra Nova Bay, Ross Sea. *ZooKeys*; 812(14):1-22., DOI:10.3897/zookeys.812.26964
- R. O’Driscoll, Y. Ladroit, S.J. Parker, M. Vacchi, S. Canese, L. Ghigliotti, A. J. Dunford, S. Mormede. (2018). Acoustic deployments reveal Antarctic silverfish under ice in the Ross Sea. *Antarctic Science* 12/2018;, DOI:10.1017/S0954102018000366. R.L.
- M. Bo, M. Barucca, M. Biscotti, M. Brugler, A. Canapa, S. Canese, C. Lo Iacono, G. Bavestrello. (2018). Phylogenetic relationships of Mediterranean black corals (Cnidaria: Anthozoa: Hexacorallia) and implications for classification within the order Antipatharia. *Invertebrate Systematics*, 2018, 32, 1102–1110. <https://doi.org/10.1071/IS17043>
- P. Consoli, M. Falautano, M. Sinopoli, P. Perzia, S. Canese, V. Esposito, P. Battaglia, T. Romeo, F. Andaloro, F. Galgani, L. Castriota. (2018). Composition and abundance of benthic marine litter in a coastal area of the central Mediterranean Sea. *Environmental Pollution* 136:243-247. <https://doi.org/10.1016/j.marpolbul.2018.09.033>
- M. Bo, S. Canese, G. Bavestrello. (2018). On the coral-feeding habit of the sea star *Peltaster placenta*. *Marine Biodiversity*, DOI:10.1007/s12526-018-0931-4
- P. Consoli, F. Andaloro, C. Altobelli, P. Battaglia, S. Campagnuolo, S. Canese, L. Castriota, T. Cillari, M. Falautano, C. Pedà, P. Perzia, M. Sinopoli, P. Vivona, G. Scotti, V. Esposito, F. Galgani, T. Romeo. (2018). Marine litter in an EBSA (Ecologically or Biologically Significant Area) of the central Mediterranean Sea: Abundance, composition, impact on benthic species and basis for monitoring entanglement. *Environmental Pollution* 236: 405-415. <https://doi.org/10.1016/j.envpol.2018.01.097>
- C. Ghiglione, M. C. Alvaro, M. Cecchetto, S. Canese, R. Downey, A. Guzzi, C. Mazzoli, P. Piazza, H. T. Rapp, A. Sarà, S. Schiaparelli. (2018). Porifera collection of the Italian National Antarctic Museum (MNA), with an updated checklist from Terra Nova Bay (Ross Sea). *ZooKeys* 758: 137–156. doi: 10.3897/zookeys.758.23485 <http://zookeys.pensoft.net>
- R. L. O’Driscolla, S. Canese, Y. Ladroit, S. J. Parker, L. Ghigliotti, S. Mormede, M. Vacchi. (2018). First in situ estimates of acoustic target strength of Antarctic toothfish (*Dissostichus mawsoni*) *Fisheries Research* 206: 79–84. <https://doi.org/10.1016/j.fishres.2018.05.008>
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- M. Taviani, L. Angeletti, S. Canese, R. Cannas, F. Cardone, A. Cau, A.B. Cau, M.C. Follesa, F. Marchese, P. Montagna, C. Tessarolo. (2017). The “Sardinian cold-water coral province” in the context of the Mediterranean coral ecosystems. *Deep Sea Research Part II: Topical Studies in Oceanography* 145: (61-78) doi: 10.1016/j.dsr2.2015.12.008
- M. Renzi, T. Romeo, C. Guerrantia, G. Perra, S. Canese, P. Consoli, S. E. Focardi, C. Berti, M. Sprovieri, S. Gherardi, D. Salvagio, L. Giaramita, V. Esposito, P. Battaglia, S. Giacobbe, F. Andaloro. (2017). Are shipwrecks a real hazard for the ecosystem in the Mediterranean Sea ? *Marine Pollution Bulletin* 124(1): 21-32. <http://dx.doi.org/10.1016/j.marpolbul.2017.06.084>
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- M. C. Fossi, T. Romeo, C. Panti, M. Bainsi, L. Marsili, T. Campani, S. Canese, F. Galgani, J. Druon, S. Airoidi, S. Taddei, M. Fattorini, C. Brandini, C. Lapucci. (2017). Plastic debris occurrence, convergence areas and fin whales feeding ground in the Mediterranean Marine Protected Area Pelagos Sanctuary: a modelling approach. *Frontiers in Marine Science*, section Marine Pollution. 4:167. doi: 10.3389/fmars.2017.00167
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- M. Giusti, M. Bo, M. Angiolillo, R. Cannas, A. Cau, M.C. Follesa, S. Canese. (2017). Habitat preference of *Viminella flagellum* (Alcyonacea: Ellisellidae) in relation to bathymetric variables

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- V. Melli, M. Angiolillo, F. Ronchi, S. Canese, O. Giovanardi, S. Querin, T. Fortibuoni. (2017). The first assessment of marine debris in a Site of Community Importance in the north-western Adriatic Sea (Mediterranean Sea). *Marine Pollution Bulletin* 114(2): 821-830. <https://doi.org/10.1016/j.marpolbul.2016.11.012>
- A. Cau, L. Bramanti, R. Cannas, M. C. Follesa, M. Angiolillo, S. Canese, M. Bo, D. Cuccu & K. Guizien. (2016). Habitat constraints and self-thinning shape Mediterranean red coral deep population structure: implications for conservation practice. *Scientific Reports* 6, Article number: 23322. doi:10.1038/srep23322
- M. Taviani, L. Angeletti, L. Beuck, E. Campiani, S. Canese, F. Foglini, A. Freiwald, P. Montagna, F. Trincardi. (2016). Reprint of On and off the beaten track: Megafaunal sessile life and Adriatic cascading processes. *Marine Geology* 375: 146-160. DOI: 10.1016/j.margeo.2015.10.003
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- F Antonioli, VL Presti, M.G. Morticelli, L Bonfiglio, M.A. Mannino, M. Palombo, G. Sannino, L. Ferranti, S. Furlani, K Lambeck, S. Canese, R. Catalano, F. Chiocci, G. Mangano, G. Scicchitano, and Stefano Tonielli. (2016). Timing of the emergence of the Europe–Sicily bridge (40–17 cal ka BP) and its implications for the spread of modern humans. *Geological Society, London, Special Publications*, 411. <https://doi.org/10.1144/SP411.1>
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