

# CURRICULUM VITAE

## PERSONAL INFORMATION



### Giuseppe Notarbartolo di Sciara

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Wikipedia [https://en.wikipedia.org/wiki/Giuseppe\\_Notarbartolo\\_di\\_Sciara](https://en.wikipedia.org/wiki/Giuseppe_Notarbartolo_di_Sciara)

## JOB Marine conservation ecologist

### WORK EXPERIENCE

- 2016 – present Honorary President and Vice President  
1986-1997, 2010-2016 President  
*Tethys Research Institute, Viale G.B. Gadio 2, 20121 Milano, Italy [www.tethys.org](http://www.tethys.org)*  
Sector: marine conservation science and policy
- 2014 – present COP-appointed Councillor for aquatic mammals  
*U.N. Convention on the Conservation of Migratory Species of Wild Animals (CMS)*
- 2017 Member of the Review Panel, 2nd Performance Review  
*Appointed by the Convention on the Conservation of Antarctic Marine Living Resources (CCAMLR), as an "internationally recognised expert whose expertise covers the relevant areas of environmental management, fisheries science and legal matters, including compliance and enforcement issues and the fight against IUU fishing" (COMM CIRC 17/25 and SC-CIRC 17/19)*
- 2012 – present Co-chair  
Joint IUCN WCPA/SSC Task Force on Marine Mammal Protected Areas
- 2012 – present Member of the Board of Governors  
*The Society of Marine Mammalogy*
- 2003 – present Member  
*IUCN SSC Shark Specialist Group*
- 2003 – present Member of the Board of Advisors  
*Pew Fellows in Marine Conservation*
- 2001 – present Coordinator  
1992- 1994 *CIESM Task Force on Marine Mammals*
- 2000 – present Regional Coordinator, Mediterranean and Black Sea  
*IUCN World Commission on Protected Areas – Marine*

- 1991 – present Deputy Chair  
*IUCN SSC Cetacean Specialist Group*
- 2006 - 2016 Contract Professor  
*University “Statale” of Milano*  
*Course on science and policy of marine biodiversity conservation*
- 2002 – 2010 Chair  
*Scientific Committee of ACCOBAMS*
- 1999 - 2003 Commissioner/Alternate Commissioner for Italy  
*International Whaling Commission*
- 1996 – 2003 President  
*Istituto Centrale per la Ricerca Applicata al Mare (ICRAM)*

### EDUCATION

- 1980 - 1985 PhD in Marine Biology  
*University of California at San Diego, Scripps Institution of Oceanography, La Jolla, California, USA*
- 1975 - 1976 Laurea in natural sciences, cum laude  
*University of Parma, Italy*
- 1969 - 1974 Laurea in biological sciences  
*University of Parma, Italy*

### PERSONAL SKILLS - LANGUAGES

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>
French	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>
Spanish	<b>C</b>	<b>C</b>	<b>C</b>	<b>B</b>	<b>B</b>

### SELECTED PUBLICATIONS

h-index Scopus: 21 - h-index Google Scholar: 40

Schweitzer J., Notarbartolo di Sciarra G. 1986. The rete mirabile cranica in the genus *Mobula*: a comparative study. *Journal of Morphology* 188:167-178.

Watkins W.A., Tyack P., Moore K.E., Notarbartolo di Sciarra G. 1987. *Steno bredanensis* in the Mediterranean Sea. *Marine Mammal Science* 3(1):78-82.

Notarbartolo di Sciarra G. 1987. A revisionary study of the genus *Mobula* Rafinesque, 1810 (Chondrichthyes: Mobulidae), with the description of a new species. *Zoological Journal of the Linnean Society, London* 91:1-91.

Notarbartolo di Sciarra G. 1987. Killer whale, *Orcinus orca*, in the Mediterranean

Sea. Marine Mammal Science 3(4):356-360.

Notarbartolo di Sciara G. 1988. Natural history of the rays of the genus *Mobula* in the Gulf of California. Fishery Bulletin 86(1):45-66.

Notarbartolo di Sciara G., Hillyer E.V. 1989. Mobulid rays off Eastern Venezuela. Copeia 1989(3):607-614.

Notarbartolo di Sciara G. 1990. A note on the cetacean incidental catch in the Italian driftnet swordfish fishery, 1986-1988. Reports of the International Whaling Commission 40:459-460.

Fossi M.C., Marsili L., Leonzio C., Notarbartolo di Sciara G., Zanardelli M. 1992. The use of non-destructive biomarker in Mediterranean cetaceans: preliminary data on MFO activity in skin biopsy. Marine Pollution Bulletin 24(9):459-461.

Notarbartolo G., Ausenda F., Orsi Relini L., Relini G. 1992. Una proposta di gestione dell'ambiente pelagico: la Riserva della Biosfera nel Bacino corso-ligure provenzale. Atti XXII Congresso della Società Italiana di Biologia Marina, Cagliari, Santa Margherita di Pula, 20-24 May 1991. Oebalia, Supplemento 17:517-521.

Watkins W.A., Daher M.A., Frstrup K.M., Howald T.J., Notarbartolo di Sciara G. 1993. Sperm whales tagged with transponders and tracked underwater by sonar. Marine Mammal Science 9(1):55-67.

Notarbartolo di Sciara G., Venturino M.C., Zanardelli M., Bearzi G., Borsani J.F., Cavalloni B. 1993. Cetaceans in the central Mediterranean Sea: distribution and sighting frequencies. Italian Journal of Zoology 60:131-138.

Forcada J., Notarbartolo di Sciara G., Fabbri F. 1995. Abundance of fin whales and striped dolphins summering in the Corso-Ligurian Basin. Mammalia 59(1):127-140.

Notarbartolo di Sciara G., Barbaccia G., Azzellino A. 1997. Birth at sea of a false killer whale, *Pseudorca crassidens*. Marine Mammal Science 13(3):508-511.

Bearzi G., Notarbartolo di Sciara G., Politi E. 1997. Social ecology of bottlenose dolphins in the Kvarneric' (northern Adriatic Sea). Marine Mammal Science 13(4):650-668.

Notarbartolo di Sciara G., Gordon J. 1997. Bioacoustics: a tool for the conservation of cetaceans in the Mediterranean Sea. Marine and Freshwater Behaviour and Physiology 30:125-146.

Berubé M., Aguilar A., Dendanto D., Larsen F., Notarbartolo di Sciara G., Sears R., Sigurjónsson J., Urban-Ramirez J., Palsbøll P.J. 1998. Population genetic structure of North Atlantic, Mediterranean Sea and Sea of Cortez fin whales, *Balaenoptera physalus* (Linnaeus, 1758): analysis of mitochondrial and nuclear loci. Molecular Ecology 7(5):585-599.

Bearzi G., Politi E., Notarbartolo di Sciara G. 1999. Diurnal behavior of free-ranging bottlenose dolphins in the Kvarneric (northern Adriatic Sea). Marine Mammal Science 15(4):1065-1097.

Brownell R.L., Jr., Tillman M.F., Notarbartolo di Sciara G., Berggren P., Read A.J. 2000. Further scrutiny of scientific whaling. Science 290:1696.

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Fossi M.C., Casini S., Ancora S., Moscatelli A., Ausili A., Notarbartolo di Sciara G. 2001. Do endocrine disrupting chemicals threaten Mediterranean swordfish? Preliminary results of vitellogenin and zona radiata proteins in *Xiphias gladius*. Marine Environmental

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Jahoda M., Lafortuna C.L., Biassoni N., Almirante C., Azzellino A., Panigada S., Zanardelli M., Notarbartolo di Sciara G. 2003. Mediterranean fin whale's (*Balaenoptera physalus*) response to small vessels and biopsy sampling assessed through passive tracking and timing of respiration. *Marine Mammal Science* 19(1):96-110.

Clapham P.J., Berggren P., Childerhouse S., Friday N.A., Kasuya T., Kell L., Kock K.-H., Manzanilla-Naim S., Notarbartolo di Sciara G., Perrin W.F., Read A.J., Reeves R.R., Rogan E., Rojas-Bracho L., Smith T.D., Stachowitsch M., Taylor B.L., Wade P.R., Brownell R.L., Jr. 2003. Whaling as science. *Bioscience* 53(3):210-212.

Orians G., Briand F., Diamond J., Colborn T., Gomez E., Guillemin R., Klug A., Konishi M., Lubchenco J., Mee L., Norse E., Notarbartolo di Sciara G., Payne R., Safina C., Suzuki D., Wilson E.O., Woodwell G. 2003. "Scientists versus Whaling": whose errors of judgment? *Bioscience* 53(3):200-203.

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Bearzi G., Reeves R.R., Notarbartolo di Sciara G., Politi E., Cañadas A., Frantzi A., Mussi B. 2003. Ecology, status and conservation of short-beaked common dolphins (*Delphinus delphis*) in the Mediterranean Sea. *Mammal Review* 33(34):224-252.

Palsbøll P.J., Bérubé M., Aguilar A., Notarbartolo di Sciara G., Nielsen R. 2004. Discerning between recurrent gene flow and recent divergence under a finite-site mutation model applied to North Atlantic and Mediterranean Sea fin whale (*Balaenoptera physalus*) populations. *Evolution* 58(3):670-675.

Notarbartolo di Sciara, G., Serena, F. & Mancusi, C. 2006. *Mobula mobular*. In: **IUCN 2009. IUCN Red List of Threatened Species. Version 2009.2.**

Notarbartolo di Sciara G., Agardy T., Hyrenbach D., Scovazzi T., Van Klaveren P. 2008. The Pelagos sanctuary for Mediterranean marine mammals. *Aquatic Conservation: Marine and Freshwater Ecosystems* 18:367-391. doi: 10.1002/aqc.855.

Guidetti P., Milazzo M., Bussotti S., Molinari A., Murenu M., Pais A., Spanò N., Balzano R., Agardy T., Boero F., Carrada G., Cattaneo-Vietti R., Cau A., Chemello R., Greco S., Manganaro A., Notarbartolo di Sciara G., Russo G.F., Tunisi L. 2008. Italian marine reserve effectiveness: does enforcement matter? *Biological Conservation* 141:699-709. doi:10.1016/j.biocon.2007.12.013

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Auster P.J., Fujita R., Kellert S.R., Avise J., Campagna C., Cuker B., Dayton P., Heneman B., Kenchington R., Stone G., Notarbartolo di Sciara G., Glynn P. 2009. Developing an ocean ethic: science, utility, aesthetics, self-interest and different ways of knowing. *Conservation Biology* 23(1):233-235. doi: 10.1111/j.1523-1739.2008.01057.x

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Fossi M.C., Casini S., Caliani I., Panti C., Marsili L., Viarengo A., Giangreco R., Notarbartolo di Sciara G., Serena F., Ouerghi A., Depledge M.H. 2012. The role of large marine vertebrates in the assessment of the quality of pelagic marine ecosystems. *Marine Environmental Research* 77:156-158. doi:10.1016/j.marenvres.2012.03.003

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Adnet S., Cappetta H., Guinot G., Notarbartolo-di-Sciara G. 2012. Evolutionary history of the devilrays (Chondrichthyes: Myliobatiformes) from fossil and morphological inference. *Zoological Journal of the Linnean Society, London* 166:132-159. doi: 10.1111/j.1096-3642.2012.00844.x

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Notarbartolo di Sciara G. 2012. Ancient waves, recent concerns: the budding of marine mammal conservation science in Italy. *Aquatic Mammals* 38(4):441-455. DOI 10.1578/AM.38.4.2012.441

Notarbartolo di Sciara G. 2013. Sperm whales, *Physeter macrocephalus*, in the Mediterranean Sea: a summary of status, threats, and conservation recommendations. *Aquatic Conservation: Marine and Freshwater Ecosystems* DOI: 10.1002/aqc.2409

Portman M., Notarbartolo di Sciara G., Agardy T., Katsanevakis S., Possingham H., Di Carlo G. 2013. He who hesitates is lost: why conservation in the Mediterranean Sea is necessary and possible now. *Marine Policy* 42:270-279.  
<http://dx.doi.org/10.1016/j.marpol.2013.03.004>

Lascelles B., Notarbartolo di Sciara G., Agardy T., Cuttelod A., Eckert S., Glowka L., Hoyt E., Llewellyn F., Louzao M., Ridoux V., Tetley M.J. 2014. Migratory marine species: their status, threats and conservation management needs. *Aquatic Conservation: Marine and Freshwater Ecosystems* 24 (Suppl. 2):111-127. DOI: 10.1002/aqc.2512

Corrigan C.M., Ardron J.A., Comeros-Raynal M.T., Hoyt E., Notarbartolo di Sciara G., Carpenter K.E. 2014. Developing important marine mammal area criteria: learning from ecologically or biologically significant areas and key biodiversity areas. *Aquatic Conservation: Marine and Freshwater Ecosystems* 24 (Suppl. 2):166-183. DOI: 10.1002/aqc.2513

De Boer M.N., Saulino J.T., Lewis T.P., Notarbartolo di Sciara G. 2015. New records of whale shark (*Rhincodon typus*), giant manta ray (*Manta birostris*) and Chilean devil ray (*Mobula tarapacana*) for Suriname. *Marine Biodiversity Records* Vol. 8; e10; doi:10.1017/S1755267214001432

Cagnolaro L., Cozzi B., Notarbartolo di Sciara G., Podestà M. (Editors). 2015. *Fauna d'Italia. Mammalia IV. Cetacea*. Calderini – Edagricole, Milano. 375 p.

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Suarez de Vivero, T.S. Agardy (editors), Routledge Handbook of ocean resources and management. Earthscan from Routledge, London and New York. 612 p.

Croll D.A., Dewar H., Dulvy N.K., Fernando D., Francis M.P., Galván-Magaña F., Hall M., Heinrichs S., Marshall A., McCauley D., Newton K.M., Notarbartolo-di-Sciara G., O'Malley M., O'Sullivan J., Poortviet M., Roman M., Stevens G., Tershy B.R., White W.T. 2015. Vulnerabilities and fisheries impacts: the uncertain future of manta and devil rays. Aquatic Conservation: Marine and Freshwater Ecosystems DOI: 10.1002/aqc.2591

Notarbartolo di Sciara G., Lauriano G., Pierantonio N., Cañadas A., Donovan G., Panigada S. 2015. The devil we don't know: investigating habitat and abundance of endangered giant devil rays in the North-Western Mediterranean Sea. PLOS ONE 10(11): e0141189. doi:10.1371/journal.pone.0141189

Geijer C., Notarbartolo di Sciara G., Panigada S. 2016. Mysticete migration revisited: are Mediterranean fin whales an anomaly? Mammal Review. DOI: 10.1111/mam.12069

Notarbartolo di Sciara G., Fernando G., Adnet S., Cappetta H., Jabado R.W. 2016. Devil rays (Chondrichthyes: *Mobula*) of the Arabian Seas, with a redescription of *Mobula kuhlii* (Valenciennes in Müller and Henle, 1841). Aquatic Conservation: Marine and Freshwater Ecosystems. DOI: 10.1002/aqc.2635

Coomber F.G., D'Inca M., Rosso M., Tepsich P., Notarbartolo di Sciara G., Moulins A. 2016. Description of the vessel traffic within the north Pelagos Sanctuary: inputs for Marine Spatial Planning and management implications within an existing international Marine Protected Area. Marine Policy 69:102-113. doi:10.1016/j.marpol.2016.04.013

Lawson J.M., Walls R.H., Fordham S.V., O'Malley M.P., Heupel M.R., Stevens G., Fernando D., Budziak A., Simpfendorfer C.A., Davidson L.N., Ender I., Francis M.P., Notarbartolo di Sciara G., Dulvy N.K. 2016. Sympathy for the devil: a conservation strategy for devil and manta rays. PeerJ PrePrints 4:e1731v1 <https://doi.org/10.7287/peerj.preprints.1731v1>

Notarbartolo di Sciara G., Agardy T. 2016. Building on the Pelagos Sanctuary for Mediterranean marine mammals. Pp. 162-179 in: P. Mackelworth (editor), Marine transboundary conservation and protected areas. Earthscan from Routledge, Oxford and New York, 313 p.

Notarbartolo di Sciara G., Hoyt E., Reeves R., Ardron J., Marsh H., Vongraven D., Barr B. In press. Place-based approaches to marine mammal conservation. Aquatic Conservation: Marine and Freshwater Ecosystems. DOI: 10.1002/aqc.2642

Notarbartolo di Sciara, G., Podestà, M., Curry, B.E. (Eds.), 2016. Mediterranean marine mammals ecology and conservation. Advances in Marine Biology 75.

Notarbartolo di Sciara G. 2016. Marine mammals in the Mediterranean: an overview. In: Notarbartolo di Sciara, G., Podestà, M., Curry, B.E. (Eds.), Mediterranean marine mammals ecology and conservation. Advances in Marine Biology 75:1-36 <http://dx.doi.org/10.1016/bs.amb.2016.08.005>

Notarbartolo di Sciara G., Castellote M., Druon J.-N., Panigada S. 2016. Fin whales (*Balaenoptera physalus*): at home in a changing Mediterranean Sea? In: Notarbartolo di Sciara, G., Podestà, M., Curry, B.E. (Eds.), Mediterranean marine mammals ecology and conservation. Advances in Marine Biology 75:75-101 <http://dx.doi.org/10.1016/bs.amb.2016.08.002>

Notarbartolo di Sciara G., Kotomatas S. 2016. Are Mediterranean monk seals (*Monachus monachus*) being left to save themselves from extinction? In: Notarbartolo di Sciara, G., Podestà, M., Curry, B.E. (Eds.), Mediterranean marine mammals ecology and conservation. Advances in Marine Biology 75:361-388 <http://dx.doi.org/10.1016/bs.amb.2016.08.004>

Panigada S., Donovan G.P., Druon J.N., Lauriano G., Pierantonio N., Pirotta E., Zanardelli M., Zerbini A.N., Notarbartolo di Sciara G. 2017. Satellite tagging of Mediterranean fin whales: working towards the identification of critical habitats and the focussing of mitigation measures. Scientific Reports 7:3365 DOI:10.1038/s41598-017-03560-9

Abudaya M., Ulman A., Salah J., Fernando D., Wor C., Notarbartolo di Sciarra G. 2017. Speak of the devil ray (*Mobula mobular*) fishery in Gaza. Reviews in Fish Biology and Fisheries DOI 10.1007/s11160-017-9491-0

Cañadas A., Aguilar de Soto N., Aissi M., Arcangeli A., Azzolin M., B-Nagy A., Bearzi G., Campana I., Chicote C., Cotte C., Crosti R., David L., Di Natale A., Fortuna C., Frantzis A., Garcia P., Gazo M., Gutierrez-Xarxa R., Holcer D., Laran S., Lauriano G., Lewis T., Moulins A., Mussi B., Notarbartolo di Sciarra G., Panigada S., Pastor X., Politi E., Pulcini M., Raga J.A., Rendell L., Rosso M., Tepsich P., Tomás J., Tringali M., Roger T. 2017. The challenge of habitat modelling for threatened low density species using heterogeneous data: the case of Cuvier's beaked whales in the Mediterranean. Ecological Indicators 85:128-136. <http://dx.doi.org/10.1016/j.ecolind.2017.10.021>

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#### HONOURS AND AWARDS

Knighthood in the Order of St. Charles, received from H.S.H. the Prince Albert II of Monaco on 17 November 2009, for services rendered to the Principality in my quality of Chair of the Scientific Committee of the "Agreement on the Conservation of Cetaceans of the Black Sea, Mediterranean Sea and Contiguous Atlantic Area".

Prize "Tridente d'Oro" awarded by the International Academy of Underwater Sciences and Technologies on 11 September 1993, on the island of Ustica (Italy), for activities in the field of marine science.

Career prize "Una vita per il mare" ("A life for the sea"), 10th edition, awarded in 2006 by the City Aquarium of Milano and Verdeacqua.

European Cetacean Society 2015 Conservation Prize "Mandy McMath Conservation Award".