

Nikoletta Diogou

Marine Mammal Acoustic Ecologist - Oceanographer

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@NikiDiogou

Skills

- **Acoustic signal processing** using: Osprey, Ishmael, Triton software
- **Statistical data analysis and habitat modeling** using: R, MATLAB software
- **Oceanographic data analysis** using: ERDDAP, Ocean Data View
- **Noise level analysis** using Spectral Probability Density (SPD)
- **Standard visual methods for cetacean identification and abundance estimates**
- **Science communication** and outreach using: Microsoft PowerPoint, Word, Excel

EDUCATION

- 2012-present** • **PH.D. • MARINE SCIENCES • UNIVERSITY OF THE AEGEAN • GREECE**
Hellenic Centre for Marine Research (HCMR), Oregon State University Research Collective for Applied Acoustics (ORCAA), Oregon State University / NOAA Cooperative Institute for Marine Resource Studies (CIMRS), Applied Physics Laboratory - University of Washington
- 2004-2007** • **M.SC • BIOLOGICAL OCEANOGRAPHY • NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS • GREECE**
- 2003-2004** • **SOCRATES / ERASMUS • ANIMAL BIOLOGY • UNIVERSITY OF BARCELONA, SPAIN**
- 1999-2004** • **B.SC • ENVIRONMENTAL SCIENCES • UNIVERSITY OF THE AEGEAN, GREECE**

LANGUAGE SKILLS

Greek: Native, **English:** Fluent, **Spanish:** Fluent, **Italian:** Intermediate, **French:** Intermediate, **Portuguese:** Basic

PUBLICATIONS

- IN REVIEW**
- **Diogou N.**, Palacios D. M., Nystuen J. A., Papathanassiou E., Katsanevakis S., Klinck H. Sperm whale (*Physeter macrocephalus*) acoustic ecology in the Gulf of Alaska, 2007-2012 – Part 1: detectability and seasonality at Ocean Station PAPA. *Deep-Sea Research – Part I*.
 - **Diogou N.**, Palacios D. M., Nystuen J. A., Papathanassiou E., Katsanevakis S., Klinck H. Sperm whale (*Physeter macrocephalus*) acoustic ecology in the Gulf of Alaska, 2007-2012 – Part 1: oceanographic drivers of interannual variability at Ocean Station PAPA. *Deep-Sea Research – Part I*.
 - **Diogou N.**, Nystuen J. A., Papathanassiou E., Katsanevakis S., Klinck H. Year-round sperm whale presence in the Greek Seas. *Mediterranean Marine Science*.
 - Trygonis V., **Diogou N.**, Andreadis O., Kapota S., Dimitriadis C., Sourbes L., Koutsoubas D. and Katsanevakis S.. Summer occurrence of striped (*Stenella coeruleoalba*) and short-beaked common dolphins (*Delphinus delphis*) in southern Zakynthos, Ionian Sea. *Acta Adriatica*.
- PUBLISHED**
- 2014** • **Diogou N.**, Klinck, H., Oswald, J. N., Papathanassiou, E., Georgakarakos, S., and Nystuen, J. A., Passive Acoustic Detections of Odontocetes in the Ionian and Aegean Seas, Greece. *Proceedings of Underwater Acoustics*, pp. 1627-1632.
 - 2012** • **Diogou N.**, J. Nystuen, E. Papathanassiou, S. Georgakarakos. Preliminary results of the research for the presence of cetaceans in Greek Seas using passive acoustic monitoring (PAL). *Proceedings of Panhellenic Symposium on Oceanography and Fisheries 10*.
 - 2007** • **Diogou N.** Geographical Distribution of Cetaceans in the Mediterranean Sea. Masters thesis, Kapodistrian University of Athens. 130 pp.
 - 2003** • **Diogou N.** Determining Heavy Metal Concentrations in the Mediterranean Portuguese dogfish (*Centroscymnus coelolepis*). Undergraduate thesis, University of the Aegean. 102 pp.

PROFESSIONAL EXPERIENCE

- 2012-2017** ○ **RESEARCH SCHOLAR • CIMRS, OSU • OREGON, USA**
Doctorate research on the Project: Bioacoustic Analysis of Data recorded at Ocean Station PAPA in the Gulf of Alaska (GOA). Advisor: Holger Klinck, Ph.D.
- 2015-2017** ○ **CONSULTANT MARINE BIOLOGIST • ENVECO S.A.**
PROJECT 1 (Aug-Nov 2017): Environmental Action Plan (EAP) concerning the Exploration of Hydrocarbons in Offshore Block 2 (northwest of Corfu island) in the Ionian Sea, Greece.
PROJECT 2 (Apr-May 2015): Baseline Environmental Study (BES) concerning the Exploration and Exploitation of Hydrocarbons for the areas of Katakolo and Patraikos Gulf in the Ionian Sea, Greece.
PROJECT 3 (May-Jul 2015): Strategic Environmental Assessment (SEA) concerning the Construction of Offshore Marine Wind Farms in 12 sites around the Greek Seas.
- 2015-2016** ○ **RESEARCH SCIENTIST • NATIONAL MARINE PARK OF ZAKYNTHOS (NMPZ)**
Contractor with the University of the Aegean
Coordinator of the cetaceans' monitoring project within the NMPZ.
- 2011-2014** ○ **RESEARCH SCHOLAR • INSTITUTE OF OCEANOGRAPHY, HCMR • ATHENS, GREECE**
Doctorate research on the Project: Bioacoustic Analysis of Data recorded at Pylos and Athos Stations in the Ionian and Aegean Seas. Supervisor: Evangelos Papathanassiou, Ph.D.
- 2012** ○ **CONSULTANT MARINE BIOLOGIST • INSTITUTE OF OCEANOGRAPHY, HCMR • ATHENS, GREECE**
Strategic Environmental Assessment (SEA) concerning the Exploration and Exploitation of Hydrocarbon for the areas of Katakolo and Patraikos Gulf, in the Ionian Sea.
- 2010-2011** ○ **RESEARCH SCIENTIST • SPOT A DOLPHIN - ORGANIZATION FOR THE RECORDING OF OPPORTUNISTIC CETACEAN SIGHTINGS IN GREECE**
- 2005-2011** ○ **ARCHELON - THE SEA TURTLE PROTECTION SOCIETY IN GREECE**
• **ENVIRONMENTAL EDUCATION OFFICER • ATHENS, GREECE • 2008 - 2011**
• **PROJECT COORDINATOR OF WEST PELOPONNESE • KYPARISSIA, GREECE • 2008 - 2011**
• **REHABILITATION OFFICER AND RESCUE CENTER COORDINATOR • ATHENS, GREECE • 2005 - 2007**
- 2007-2008** ○ **ASSOCIATE SCIENTIST • ARCHIPELAGOS - INSTITUTE OF MARINE AND ENVIRONMENTAL RESEARCH IN THE AEGEAN • IKARIA ISLAND, GREECE**

FIELD RESEARCH

- 2003-2017** ○ **ACOUSTIC EQUIPMENT DEPLOYMENT • NORTHEAST PACIFIC OCEAN – USA - Oregon State University.**
- 2012-2016** ○ **MARINE MAMMAL MONITORING • NORTH EAST PACIFIC OCEAN – USA - Oregon State University.**
- SUMMER 2015** ○ **MARINE MAMMAL MONITORING • IONIAN SEA – GREECE - NMPZ & University of the Aegean.**
- SEPT 2013** ○ **UNDERWATER NOISE MEASUREMENTS • NORTH EAST PACIFIC OCEAN – USA - Oregon State University.**
- SUMMER 2011&2014** ○ **CETACEAN MONITORING • NORTH AEGEAN SEA – GREECE - HCMR, National Marine Park of Alonissos, Mom: Hellenic Society for the Study and Protection of the Monk seal.**
- 2008-2010** ○ **SEA TURTLE MONITORING & PROTECTION • PELOPONNESE – GREECE - ARCHELON - Sea Turtle Protection Society of Greece.**
- OCT-DEC 2007** ○ **COASTAL MARINE BIODIVERSITY • IKARIA ISLAND – GREECE - ARCHIPELAGOS - Institute of Marine and Environmental Research in the Aegean.**
- MAY-JUN 2006** ○ **MARINE MAMMAL MONITORING • NORTH EAST ATLANTIC OCEAN & MEDITERRANEAN SEA – National and Kapodistrian University of Athens**

PRESENTATIONS

CONFERENCES/SYMPOSIA

- 2017** ● **Diogou N.**, Palacios D. M., Nystuen J. A., Papathanassiou E., Katsanevakis S., Klinck H. Modeling the Environmental Drivers of Sperm Whale (*Physeter macrocephalus*) Multi-year Occurrence Patterns in the Gulf of Alaska. Poster presentation, 22nd Biennial Conference for the Marine Mammals, Halifax, Nova Scotia, Canada.
- 2016** ● **Diogou, N.** Interannual variability in sperm whale acoustic occurrence at Ocean Station PAPA from 2007-2012 related to oceanography. Poster presentation, Ocean Station PAPA 60th Anniversary Symposium, Sidney, British Columbia, Canada.
- 2016** ● **Diogou N.**, Klinck H., Nystuen J., Palacios D. What whales want: The long term acoustic presence of sperm whales offshore in the Gulf of Alaska and their relationship to oceanographic conditions. Oral Presentation, SMM-NW Student Chapter, Seattle, WA, USA.
- 2015** ● **Diogou N.**, Klinck H., Nystuen J., Palacios D. Sperm whale (*Physeter macrocephalus*) acoustic occurrence patterns in the Gulf of Alaska and their environmental drivers. Poster presentation, 21st Biennial Conference for the Marine Mammals, San Francisco, USA.
- 2015** ● **Diogou N.** Passive acoustic recordings of sperm whale (*Physeter Macrocephalus*) presence at Ocean Station PAPA over six years. Poster presentation, Five-year review of the Cooperative Institute for Marine Resources, Oregon State University and NOAA Pacific Marine Environmental Laboratory, Newport, Oregon, USA.
- 2015** ● **Diogou N.**, Papathanassiou E., Nystuen J, Katsanevakis S., Klinck H. Acoustic presence of sperm whales (*Physeter macrocephalus*) and delphinids in the Ionian and Aegean Seas, Greece. Poster presentation, Integrated Marine Research in the Mediterranean and the Black Seas, PERSEUS, Brussels, Belgium.
- 2014** ● **Diogou N.**, Klinck, H., Oswald, J. N., Papathanassiou, E., Georgakarakos, S., and Nystuen, J. A. Passive Acoustic Detections of Odontocetes in the Ionian and Aegean Seas, Greece. Poster presentation, Underwater Acoustics Conference, Island of Rhodes, Greece.
- 2014** ● **Diogou N.** The acoustic presence of sperm whales (*Physeter macrocephalus*) at Ocean Station PAPA in the Gulf of Alaska 2007-2012. Oral Presentation, SMM-NW Student Chapter, Bellingham, WA.
- 2013** ● **Diogou, N.**, Klinck, H., Nystuen, J.A. The acoustic presence of sperm whales (*Physeter macrocephalus*) at Ocean Station PAPA in the Gulf of Alaska 2007-2012. Oral Presentation, Acoustical Society of America, San Francisco, CA, USA.
- 2013** ● **Diogou, N.** Seasonal and interannual variability of sperm whale (*Physeter macrocephalus*) presence in the Gulf of Alaska. Oral Presentation, SMM-NW Student Chapter, Seattle, WA, USA.
- 2012** ● **Diogou N.**, J. Nystuen, E. Papathanassiou, S. Georgakarakos. Preliminary results of the research for the presence of cetaceans in Greek Seas using passive acoustic monitoring (PAL). Oral presentation, 10th Panhellenic Symposium on Oceanography and Fisheries, Athens, Greece.
- 2010** ● **Diogou N.**, Clifford R.J., Dimopoulos D., Perkins R.. Local Community's Perceptions towards Marine Protected Areas and the Conservation Management of the Loggerhead *Caretta caretta*, with Specific Reference to the Bay of Kyparissia. Poster presentation, 30th Annual International Symposium for the Biology and conservation of the Sea Turtle, India.
- 2007** ● Podiadis V, Karpouzli E, **Diogou N**, Verriopoulos G, Exadactylos A. Seasonal Distribution and Sighting frequency of cetaceans in the Mediterranean Sea. Poster presentation, V European Congress of Mammalogy, Grosseto, Italy.
- 2006** ● **Diogou N.**, Carapace weighting as a form of treatment for long-term floating disorder in a loggerhead: a case study. Poster presentation, 26th Annual International Symposium for the Biology and conservation of the Sea Turtle, Crete, Greece.

INVITED SEMINARS & OUTREACH

- 2016** ● **Diogou, N.** What whales want: The long term acoustic presence of sperm whales offshore in the Gulf of Alaska and their relationship to oceanographic conditions. Hatfield Marine Science Center, Marine Mammal Institute Seminar Series. Oregon State University, Newport, Oregon, USA.
- 2015** ● **Diogou, N.** The use of Acoustics to monitor marine mammals. Cyprus Oceanographic Center, University of Cyprus, Nicosia, Cyprus.
- 2014** ● **Diogou, N.**, Fregosi S., Fournet M., Nelson D. #SciCom: The Science – Social Media Connection. Hatfield Marine Science Center, Science Seminar Series. Newport, Oregon, USA.
- 2014** ● **Diogou, N.**, Fregosi S. Do you speak whale?. American Cetacean Society - Oregon Chapter, Monthly Science Seminar. Newport, Oregon, USA.
- 2013** ● **Diogou, N.** Marine Bioacoustics: Sounds in the Sea. American Cetacean Society - Oregon Chapter, Naturalists Seminar. Newport, Oregon, USA.
- 2012** ● **Diogou, N.** Three research scientific questions: My study. Hatfield Marine Science Center, CIMRS. Newport, Oregon, USA.

GRANTS & AWARDS

- 2018** ○ **PICES • Ocean Observatory Science Summer School (competitively selected participant)**
Travel Grant, University of Victoria/PICES/Ocean Networks Canada (\$600)
- 2017** ○ **SMM • 22st Biennial Conference of the Society for Marine Mammalogy**
Travel Grant, American Cetacean Society (\$200), Travel Grant, Society for Marine Mammalogy (\$400)
- 2017** ○ **SMM-NW Student Chapter • 21st NWSSMM meeting**
Travel Grant, American Cetacean Society (\$200. In total I raised \$600 for 2 more lab-mates that participated at the meeting)
- 2016** ○ **STATION PAPA 60TH ANNIVERSARY SYMPOSIUM**
Travel Grant, Accommodation expenses, Per Diem; NOAA/PMEL Washington State University (\$1400)
- 2015** ○ **SMM • 21st Biennial Conference of the Society for Marine Mammalogy**
Travel Grant, Oregon State University (\$1000)
- 2014** ○ **ASA • 168th Meeting of the Acoustical Society of America**
Travel Grant, Oregon State University and ASA (\$1100)
- 2013** ○ **SMM-NW Student Chapter • 17th NWSSMM meeting**
Travel Grant, Accommodation expenses; Oregon State University (~\$500)
- 2014** ○ **ASA • 166th Meeting of the Acoustical Society of America • San Francisco, USA**
Travel Grant, Oregon State University & ASA (\$1500)
- 2012** ○ **SeaBASS • Bioacoustic Summer School (competitively selected participant)**
Travel Grant, Pennsylvania State University/NOAA/Office of Naval Research (\$1400)
- 2012-2015** ○ **OREGON STATE UNIVERSITY**
Award for the research project: Bioacoustic Analysis of Data recorded at Ocean Station PAPA in the Gulf of Alaska. Office of Naval Research (~\$40.000)
- 2011-2013** ○ **Hellenic Centre for Marine Research**
Graduate Student Scholarship, PERSEUS Project (Policy-oriented marine Environmental Research in the Southern European Seas) (~\$25.000)
- 2011** ○ **DCLDE Workshop • 5th International Workshop on Detection, Classification, Localization, and Density Estimation of Marine Mammals using Passive Acoustics**
Travel Grant, Latsis Foundation (\$1000), Travel Grant, DCLDE Organizing Committee (\$1600)
- 2010** ○ **30th Annual International Symposium for the Biology and conservation of the Sea Turtle, India.**
Travel Grant, International Sea Turtle society (\$830)
- 2003-2004** ○ **Socrates / Erasmus, International Mobility Program**
Scholarship, State Scholarships Foundation (IKY) (\$4000)

ASSOCIATIONS / CERTIFICATIONS

PINT OF SCIENCE GREECE - DIRECTOR
THE SOCIETY FOR MARINE MAMMALOGY
THE ACOUSTICAL SOCIETY OF AMERICA
THE AMERICAN CETACEAN SOCIETY
THE EUROPEAN CETACEAN SOCIETY
HATFIELD STUDENT ORGANIZATION AT OREGON STATE UNIVERSITY'S HATFIELD MARINE SCIENCE CENTER
INTERNATIONAL SEA TURTLE SOCIETY
HELLENIC OCEANOGRAPHERS ASSOCIATION
HELLENIC ENVIRONMENTALISTS ASSOCIATION
SSI OPEN WATER DIVER
ARCHELON BOARD OF DIRECTORS (GENERAL SECRETARY, 2012-2013)