

including, but not limited to, conservation organizations, whale-watching companies, scientists and policy makers. To ensure that participants in the group begin the discussion on the same page, they must be provided with background information on the modeling and assessment of whale-watching impacts. The broad nature of the topic makes it impractical to include that information within the focus group itself, as this would severely limit time for discussion and interaction. In combining the focus group with a symposium, we can present our audience with the needed information, while providing people with the opportunity to interact and exchange ideas in order develop actionable outputs leading to a unified approach to the assessment of whale-watching impacts.



Poster session: 7:30 P.M. to 9:00 P.M.

POSTER SESSION

EXHIBIT HALL 2

Friday, 15 August, 19:30 to 21:00

A cash bar will be available.

P.1 Transborder cetacean monitoring using ferries as platforms of observation between Tunisia and Italy: winter results of an ACCOBAMS co-funded project.

Pellegrino, G *, Ass Ketos; Aissi, M Bizerte Science Faculty; Arcangeli, A ISPRA-NAT; Kchouk, ME Ass Atutax; Moulins, A Fond. CIMA; Ruvolo, A Accademia del Leviatano; Tringali, ML Ass Ketos; Crosti, R , MATTM-ISPRA

P.2 Abundance and distribution of fish eggs in the Colombian Pacific Ocean during September 2007.

Lopez, RH *, Military University Nueva Granada; Pinto, GJ Military University Nueva Granada; Baldrich, A Universidad de los Lagos-Chile

P.3 Marine Conservation at Dongsha Atoll in the South China Sea.

Dai, CF *, National Taiwan University

P.4 Trace metals in the blood of little penguins (*Eudyptula minor*): a novel tool for assessing marine coastal pollution.

Finger, A*, Victoria University, Melbourne, Australia; Dann, P, Phillip Island Nature Park, Australia; Nugegoda, D, RMIT University, Australia; Scarpaci, C, Victoria University, Australia

P.5 Vulnerability of *Modiolus* reefs to climate change: towards understanding the genetic basis of resilience.

Mackenzie, Clara *, Heriot-Watt University

P.7 Impact of degradation on mangrove carbon stocks in Madagascar.

Teoh, Marianne *, Imperial College London; Jones, Trevor Blue Ventures Conservation; Pfeifer, Marion Imperial College London

P.8 Historical baselines for large sharks in Cape Cod, Massachusetts (USA): Putting recent observed increases into context.

McCormack, E *, Colby College ; McClenachan, L Colby College

P.9 Impact of the ocean acidification on coral larvae and the monitoring of carbonate system in a Thai reef.

Chavanich, S *, Chulalongkorn University; Chinfak, N Chulalongkorn University; Lalitpattarakit, W Chulalongkorn University; Viyakarn, V Chulalongkorn University

P.10 Feeding behaviors of Antarctic fish at Syowa Station, Antarctica and the change of climate.

Viyakarn, V *, Chulalongkorn University; Chavanich, S Chulalongkorn University; Nomura, D National Institute of Polar Research; Watanabe, K National Institute of Polar Research

P.11 The plight of one: Success of another.

Handley, JM *, Nelson Mandela Metropolitan University; Pistorius, P Nelson Mandela Metropolitan University; Brickle, P South Atlantic Environmental Research Institute

P.12 Rehabilitation as a conservation measure for endangered ice seal populations affected by the climate change and growing anthropogenic impact.

Andrievskaya, E*; Alexeev, V; Trukhanova, IS, Baltic Fund for Nature, St. Petersburg

P.13 Diversity of coastal ecosystems and proposed ecologically sensitive coastal areas of Maharashtra, India.

Apte, DA , Bombay Natural History Society, India; Bhawe, VJ Bombay Natural History Society, India; Pitale, RD Bombay Natural History Society, India; Nagale, PS Bombay Natural History Society, India; Prasade, AP *Bombay Natural History Society, India

P.14 Pilot experiments on sustainable and participatory management of recreational seafood hand harvesting, an European LIFE+ project, 2013-2017.

Privat, A , Iodde; Tachoures, S Agence des aires marines protégées; Allain, J VivArmor Nature; Bonnin, JB Iodde; Delisle, F VivArmor Nature; Marras, P Agence des aires marines protégées; Amice, G *Agence des aires marines protégées

P.16 Using a computerized qualitative modeling to simplify a complex environmental policy question: The case of coral reefs and diving pressure.

R.A. Barankin , School for the Environment, University of Massachusetts Boston, USA/ Department of Zoology, George S. Wise Faculty of Life Sciences, Tel Aviv University, Israel; A. Halasz *Department of Zoology, George S. Wise Faculty of Life Sciences, Tel Aviv University, Israel; L. Yosef Department of Zoology, George S. Wise Faculty of Life Sciences, Tel Aviv University, Israel; M. Leiba Jaime and Joan Constantiner School of Education,





Tel Aviv University; D. Mioduser Jaime and Joan Constantiner School of Education, Tel Aviv University; R. Nachmias Jaime and Joan Constantiner School of Education, Tel Aviv University; J. Ram Jaime and Joan Constantiner School of Education, Tel Aviv University; R. Zuzovsky, Jaime and Joan Constantiner School of Education, Tel Aviv University

P.17 Cleaned reefs: The unfortunate journey of the cleaner wrasse.

Ramon, A *, Roger Williams University; Anderson, L.E Roger Williams University; Grutter, A University of Queensland; Tlusty, M New England Aquarium; Kaufman, L Boston University; Rhyne, A L Roger Williams University; Rhyne, A L New England Aquarium

P.18 Social networks and web technology for collaborative marine conservation planning.

Markantonatou, V. *, Department of Life Science and Environment, Politecnico University of Marche, Ancona, Italy; Hoggs, K. Department of Applied Economics, University of Murcia, Murcia, Spain; Noguera-Méndez, P. Department of Applied Economics, University of Murcia, Murcia, Spain; Semitiel-García, M. Department of Applied Economics, University of Murcia, Murcia, Spain; Sano, M. Griffith Centre for Coastal Management, Griffith University, Queensland, Australia; Cerrano, C. Department of Life Science and Environment, Politecnico University of Marche, Ancona, Italy

P.19 Seagrass mapping for the proposed Clyde South Arran MPA: assessing natural and anthropogenic pressures .

Binnie, A *, Community of Arran Seabed Trust; Beecher, P Community of Arran Seabed Trust; Gordon, D Community of Arran Seabed Trust; Thompson, H Community of Arran Seabed Trust; Willmott, C Community of Arran Seabed Trust

P.20 Restoration of historical fisheries and ecosystem services: Alewife fisheries in Maine.

McClenachan, L , Colby College; Madronal, S Colby College; Lovell, S *Colby College

P.21 Sea turtles still nest in Lagos, Southwestern Nigeria.

Adegbile Oyeronke M. *, Nigerian Institute for Oceanography and Marine Research Victoria Island Lagos; Obienu Justina A. Nigerian Institute for Oceanography and Marine Research Victoria Island Lagos

P.22 Community-based conservation – a key to successful sea turtle protection in Maio Island, Cape Verde.

Dutra, A , Maio Biodiversity Foundation; Koenen, F Maio Biodiversity Foundation; Benbow, S *Fauna and Flora International; Magileviciute, E Maio Biodiversity Foundation

P.23 The monitoring functions of an Internet community for non-native fish invasions and introductions.

Miyazaki, Y *, Kanagawa Prefectural Museum of Natural History; Murase, A Tokyo University of Marine Science and Technology; Shiina, M Uwajima Fisheries High School; Naoe, K Zukan.com, Co. Ltd.; Nakashiro, R Zukan.com, Co. Ltd.; Honda, J Zukan.com, Co. Ltd.; Yamaide, J Zukan.com, Co. Ltd.; Senou, H , Kanagawa Prefectural Museum of Natural History

P.24 Radioactive pollution in the South Atlantic as a possible stress factor in some incidents of penguin mortality.

Felix Maldonado *, University of Chile

P.25 Reaching conservation objectives in European Natura 2000 marine sites.

Cunha, AH *, JNCC; Cornick, L JNCC

P.26 High diversity in a functionally important priority marine habitat: ‘climax’ communities and management baselines.

Fariñas-Franco, JM. *, Heriot Watt University; Harries, D.B. Heriot Watt University; Mair, JM. Heriot Watt University; Moore, C. Heriot Watt University; Porter, JS Heriot Watt University; Sanderson, WG Heriot Watt University

P.27 Designating Marine Protected Areas at the Falkland Islands – the way forward?

Crofts, S *, University of Glasgow, Falklands Conservation; Bailey, D University of Glasgow; Nager, R University of Glasgow

P.28 Does marine conservation work? Evaluating the effectiveness of SACs and SPAs in the Solent and how they will respond to climate change.

White, S , Institute of Marine Sciences, School of Biological Sciences, University of Portsmouth; Watson, G Institute of Marine Sciences, School of Biological Sciences, University of Portsmouth; Herbert, R Faculty of Science and Technology, Bournemouth University, Talbot Campus; Farrell, P Institute of Marine Sciences, School of Biological Sciences, University of Portsmouth; Preston, J *Institute of Marine Sciences, School of Biological Sciences, University of Portsmouth

P.29 Population genetic structure and connectivity in *Parastichopus californicus* on the Pacific coast of Canada.

Xuereb, A , University of Toronto; Curtis, J. Pacific Biological Station; Cote, I.M. *Simon Fraser University; Guichard, F McGill University; Bernatchez, L. Laval University; Fortin, M.J. University of Toronto

P.30 Preliminary results from an extinction risk assessment of bony fishes of the Gulf of Mexico.

Linardich, C. *, IUCN Species Programme, Marine Biodiversity Unit, Old Dominion University; Harwell, H. Christopher Newport University; Carpenter, K.E. IUCN Species Programme, Marine Biodiversity Unit, Old Dominion University; McManus, R. IUCN Species Survival Commission; Moretzsohn, F. Harte Research Institute, Texas A&M University-Corpus Christi; Wood, J. Harte Research Institute, Texas A&M University-Corpus Christi; Lacher, T. IUCN Species Survival Commission, Texas A&M University-College Station;

P.32 The Marine Aquarium Biodiversity and Trade Flow Database: A new tool for monitoring the global trade in coral reef species.

Jorgenson, AC *, Roger Williams University ; Holmberg, R Roger Williams University; Tlusty, M New England Aquarium ; Kaufman, L Boston University; Rhyne, AL Roger Williams University ; Rhyne, AL New England Aquarium

P.33 The relationship between species richness and habitat heterogeneity in kelp forest communities of Baja California, Mexico. Implications for conservation.

Montaño-Moctezuma, G *, Instituto de Investigaciones Oceanológicas. Universidad Autónoma de Baja California; Torres-Moye, G Facultad de Ciencias Marinas. Universidad Autónoma de Baja California; Aguilar-Rosas, L Instituto de Investigaciones Oceanológicas. Universidad Autónoma de Baja California; Ramírez-Valdez, A Facultad de Ciencias Marinas. Universidad Autónoma de Baja California



P.34 Ecosystem services as a tool for coastal management.

Elliff, C *, Universidade Federal da Bahia; Fernandino, G
Universidade Federal da Bahia;

P.35 The 800 lb grouper in the room: how do we reduce the risk of species introductions?

Holmberg, R *, University of Massachusetts Boston; Futoma, E
Roger Williams University; Rhyne, AL Roger Williams University;
Rhyne, AL New England Aquarium; Tlusty, M New England
Aquarium; Kaufman, L Boston University Marine Program

P.36 Does local marine conservation work? A case study of bait collection.

Watson *, University of Portsmouth; J. M. Murray CEFAS,
Lowestoft; M. Schaefer University of Portsmouth; A. Bonner
Guardline; M. Gillingham University of Portsmouth

P.37 Geographic visualization of coral reef monitoring data in American Samoa.

Lawrence, A *, American Samoa Dept. of Marine & Wildlife
Resources; Ochavillo, D American Samoa Dept. of Marine
& Wildlife Resources; Reynolds, C One Water One Ocean Plc.

P.38 Integration of ecosystem services into local marine management : a participatory scenario approach.

Morisseau, F *, French Agency of marine protected areas;
Dedieu, K French Agency of marine protected areas; Mongruel.
R Ifremer, UMR M101, AMURE, Unité d'Economie Maritime;
Martin. J. C Ifremer, UMR M101, AMURE, Unité d'Economie
Maritime; Cabral. P. Ifremer, UMR M101, AMURE, Unité
d'Economie Maritime; Thiébaud. E. Université Pierre & Marie
Curie, Station Biologique de Roscoff; Schoenn. J. Université
Pierre & Marie Curie, Station Biologique de Roscoff/ IFREMER,
CRESCO, Laboratoire "Environnement et Ressources Finistère-
Bretagne Nord"; Le Mao. P. , IFREMER, CRESCO, Laboratoire
"Environnement et Ressources Finistère-Bretagne Nord"

P.39 Understanding the natural seasonal dynamics of seagrasses in NW Australia to determine dredging impacts.

McCallum, R *, Centre for Marine Ecosystems Research, Edith
Cowan University, Joondalup, WA Australia; McMahon, K
Centre for Marine Ecosystems Research, Edith Cowan University,
Joondalup, WA Australia; Lavery, P Centre for Marine Ecosystems
Research, Edith Cowan University, Joondalup, WA Australia;
Vanderklift, M Centre for Marine and Atmospheric Research,
CSIRO, Floreat, WA Australia; Haywood, M Centre for Marine
and Atmospheric Research, CSIRO, Brisbane, QLD Australia

P.40 Coastal sustainability from the waterfront view of homeowners: Using fuzzy-logic cognitive mapping for participatory conservation.

Scyphers, SB*, Northeastern University; Gray, Steven A University
of Massachusetts - Boston; Grabowski, Jonathan H Northeastern
University; Beck, Michael W The Nature Conservancy

P.41 The biodiversity value of biogenic reef development and over-development: When should we conserve a 'reef'?

Pearce, B. *, Pelagica Ltd; Farinas-Franco, J.M. Heriot Watt
University; Somerfield, P.J. Plymouth Marine Laboratory; Porter,
J.S. Heriot Watt University; Mair, J.M. Heriot Watt University;
Hall-Spencer, J University of Plymouth; Sanderson, W.G Heriot
Watt University

P.42 Historical Contingency, Predator Recovery, and Ecosystem Management.

Adrian C. Stier *, Northwest Fisheries Science Center; Jameal F.

Samhoury Northwest Fisheries Science Center; Philip S. Levin
Northwest Fisheries Science Center

P.43 Quantifying trophic ecological processes using stable isotope analysis: a detrital recycling case study.

Perkins, CJ *, University of North Carolina Wilmington; Conti-
Jerpe, IE University of North Carolina Wilmington; Marty, MJ
University of North Carolina Wilmington; Finelli, CM University
of North Carolina Wilmington

P.44 The impacts of the lionfish invasion on reef fish communities in Belize.

Hackerott, S *, University of North Carolina at Chapel Hill;
Valdivia, A University of North Carolina at Chapel Hill; Cox,
C. E. University of North Carolina at Chapel Hill; Bruno, J. F.
University of North Carolina at Chapel Hill

P.45 First matrix model for the vulnerable population of southern right whales (*Eubalaena australis*) in New Zealand waters.

Davidson, Anthony *, Zoology Department, Otago University;
Slooten, Elisabeth Zoology Department, Otago University;
Rayment, William Marine Science Department, Otago University

P.46 Use of non-invasive techniques to determine population size of marine otter *Lontra felina* in two locations of Peru.

Biffi, D *, Texas Christian University; Williams, DA Texas
Christian University

P.47 Integrating spatial variation in ecosystem services, resilience, and institutional capacity into marine conservation planning in the Gulf of California.

Siegel, KJ *, Oxford University Centre for the Environment;
Lasch, Cristina The Nature Conservancy – Mexico and
Northern Central America; Reddy, Sheila M.W. Central Science
Division, The Nature Conservancy; Leslie, Heather Center
for Environmental Studies & Department of Ecology and
Evolutionary Biology, Brown University

P.48 Conservation insights from spatial models of nursery use in reef fishes.

Claydon JAB *, Hopkins Marine Station of Stanford University;
Calosso MC Hopkins Marine Station of Stanford University;
Peachey RBJ CIEE Research Station Bonaire

P.49 Adaptive capacity of soft-shell clam co-management in Maine .

O'Connor, G *, Colby College; McClenachan, L Colby College

P.50 Marine plastic debris and natural plankton communities

Mihaylova, D *, Postgraduate Student, School of Environmental
Sciences, University of East Anglia, Norwich, England; Robinson,
Carol Supervisor, School of Environmental Sciences, University
of East Anglia, Norwich, England; Davies, Richard Supervisor,
School of Biological Sciences, University of East Anglia, Norwich,
England

P.51 A Comparison of the Major Drivers of Coral Reef Change in the British Virgin Islands.

Flynn, RL *, University of Rhode Island, Department of Natural
Resources Sciences; Forrester, GE University of Rhode Island,
Department of Natural Resources Sciences

P.52 Evaluating the management effectiveness of a Brazilian MPA over a 15 years period.

Araujo, JL *, Federal University of Pernambuco; Bernard, E

P.53 The influence of physical oceanography on the behaviour of small cetaceans at the Wave Hub marine renewables site, North Cornwall.

Cox SL *, Plymouth University; Witt MJ Exeter University; Embling CB Plymouth University; Miller PI Plymouth Marine Laboratory; Hosegood PJ Plymouth University; Ingram SN Plymouth University; Godley BJ Exeter University

P.54 An integrative approach to the conservation of the Sado bottlenose dolphin in the highly human-impacted Sado estuary environment, Portugal.

Carvalho, I *, Instituto Gulbenkian de Ciência, Portugal; Martinho, F Associação para as Ciências do Mar, Tech-Labs, Campus da FCUL, Portugal; Brito, C. Escola de Mar, Tech-Labs, Campus da FCUL, Portugal; Pierce, G Centre for Environmental and Marine Studies, Department of Biology, University of Aveiro, Campus Universitário de Santiago, Portugal; Sequeira, M Instituto da Conservação da Natureza e das Florestas – ICNF, Portugal; Silva, M Center of the Institute of Marine Research & Department of Oceanography and Fisheries, University of the Azores, Portugal; Freitas, L Museu da Baleia, Portugal; Ferreira, M, Sociedade Portuguesa de Vida Selvagem, Universidade do Minho, Departamento de Biologia, Campus de Gualtar, Portugal

P.55 Using larval dispersal models and habitat spatial analysis in reserve network design in the Saudi Arabian Red Sea.

Khalil, MT *, King Abdullah University of Science and Technology; Zhen, P King Abdullah University of Science and Technology; Nanninga, G King Abdullah University of Science and Technology; Genton, M King Abdullah University of Science and Technology; Weeks, R James Cook University; Pressey, R James Cook University; Berumen, M King Abdullah University of Science and Technology

P.56 Understanding the social organization of an apex marine predator to inform conservation practices: striped dolphins in the Gulf of Corinth, Greece.

Pearson, HC *, University of Alaska Southeast; Bearzi, G. Dolphin Biology & Conservation; Bonizzoni, S. Dolphin Biology & Conservation; Santostasi, N.L. Dolphin Biology & Conservation

P.57 The jewel of the marine aquarium trade: The South Pacific, a source of unique biodiversity.

Anderson, LE *, Roger Williams University; Holmberg, R Roger Williams University; Tlusty, M New England Aquarium; Kaufman, L Boston University; Rhyne, A L Roger Williams University; Rhyne, A L New England Aquarium

P.58 Movement of Grouper spp around Red Sea reefs.

McNeill, DC *, University of Glasgow; Bailey, D.M. University of Glasgow; Vivienne Main University of Glasgow; Inga Dehnert Open Ocean Centre, Dahab

P.59 Fine-scale population structure of two anemones (*Stichodactyla gigantea* and *Heteractis magnifica*) at two reefs in Kimbe Bay, Papua New Guinea.

Gatins, R *, Red Sea Research Center, King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia; Saenz-Agudelo, P Red Sea Research Center, King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia; Scott, A National Marine Science Center, Southern Cross University, NSW, Australia; Berumen, ML Red Sea Research Center, King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia

P.60 Striped dolphin abundance in the Gulf of Corinth, Greece: dataset simulations help improve sampling design.

Santostasi NL *, Dolphin Biology & Conservation; Bonizzoni S Dolphin Biology & Conservation; Bearzi G Dolphin Biology & Conservation

P.61 Marine spatial planning for the attention of conservation gaps in Costa Rica.

Martínez-Fernández, D *, Consolidating Costa Rica's Marine Protected Areas SINAC-UNDP-GEF; Montero-Cordero, A. Forever Costa Rica Association; Sancho, J. National System of Conservation Areas; Ruiz, P. Coastal Marine Biodiversity and Climate Change Adaptation; Castillo, P. Forever Costa Rica Association; Geppert, S. Coastal Marine Biodiversity and Climate Change Adaptation; Schlönvoigt, M. Coastal Marine Biodiversity and Climate Change Adaptation

P.62 External drivers of change and opportunities for Ecosystem Stewardship in artisanal fishing communities inside Marine Protected Areas in south Brazil.

Park, T-H *, University of Ghent; Rodrigo Pereira Medeiros Center for Marine Studies. Universidade Federal do Paraná

P.63 Influence of socio-economic dimensions and fishers' attitudes on uptake of By-catch Reduction Devices in a south Brazilian small-scale shrimp fishery.

Vessaz, F*, University of Ghent; Rodrigo Pereira Medeiros Centro de Estudos do Mar, Universidade Federal do Paraná; D'Orey, G, Gaivão Portella Centro de Estudos do Mar, Universidade Federal do Paraná

P.64 Understanding cumulative impacts of coastal development on seagrass using land-use change scenarios and Bayesian networks.

Auge, AA *, ARC CoE Coral Reef Studies; Woodberry, O Bayesian Intelligence; Reid, B ARC CoE Coral Reef Studies; Pressey, RL ARC CoE Coral Reef Studies; Brodie, JE TropWater; Dale, A The Cairns Institute; Yorkston, H Great Barrier Reef Marine Park Authority; Nicholson, AE, Monash University

P.65 Restoration of Biodiversity in estuarine ecosystems of Kali estuary, Karnataka, India.

Nayak, VN *, Department of Marine Biology, Karnataka University PG Centre, Karwar, Karnataka, India; Bhandary, MJ Dept. of Botany, Government First Grade College, Karwar – 581 301, Karnataka, India

P.66 Mangrove Status and Restoration Efforts in the Estuaries of West coast of Karnataka, India

Bhandary, MJ *, Dept. of Botany, Government First Grade College, Karwar, India; Shanthakumar, NL Conservator of Forests, Canara Circle, Sirsi, Karnataka, India; Nayak, VN Karnatak University Post Graduate Centre, Karwar, India

P.67 Seagrass habitat modification – an acceptable anathema?

Stafford-Bell, RE *, Victoria University, Melbourne, Australia; Robinson, RW Victoria University, Melbourne, Australia; Chariton, AA CSIRO, Australia

P.68 The Importance of Marine Fisheries and Ecosystems for Food Security in China.

Ling Cao *, Stanford University; Roz Naylor Stanford University

P.69 Comparison of maturation reaction norms in Scottish whiting (*Merlangius merlangus*) populations.

Burns, N.M. *, University of Glasgow



P.70 Using history to reset the shifted baselines of Turkish and Cypriot fishers.

Ulman, A *, Sea Around Us

P.71 Ecological and management consequences of the positive relationship between range size and abundance in highly mobile large pelagics.

Tremblay-Boyer, L*, UBC Biodiversity Research Centre, Canada; Harley, S, Secretariat of the Pacific Communities, New Caledonia; Pilling, G, Secretariat of the Pacific Communities, New Caledonia

P.72 Towards a classification scheme for external injuries of marine mammals.

Luksenburg, JA *, George Mason University

P.73 Participatory video for advocacy, capacity building and awareness raising in community-based coastal marine management.

Slade, L *, Mwambao Coastal Community Network Tanzania; Thani, A. Mwambao Coastal Community Network Tanzania; Haji, H Mwambao Coastal Community Network Tanzania

P.74 Documentation and development of management strategies for the conservation of marine biodiversity of the coast of Karnataka, India.

r k singh *, karnataka biodiversity board; v n nayak karnataka biodiversity board

P.75 Actor Participation and Institutional Linkage Evolution in Co-Management.

Widodo, H *, Coral Triangle Center

P.76 Unanticipated effects of 'sustainable' fishing; how claw removal affects stone crab (*Menippe* spp.) behavior and survival.

Duermit, L *, College of Charleston; Wilber, D Bowhead Technical and Professional Services

P.77 Feeding selection of a corallivorous and herbivorous parrotfish on a Panamanian coral reef.

Scott, AR *, Carleton College; Chaves, L Simon Fraser University; Marty, MJ University of North Carolina, Wilmington; Ormond, C Simon Fraser University; Nerness, A University of St. Thomas

P.78 Identification of thermal refugia in the Gulf of Thailand

Sutthacheep, M *, Yeemin, T; Pengsakun, S; and Samsuvan, W, Marine Biodiversity Research Group, Department of Biology, Faculty of Science, Ramkhamhaeng University, Thailand

P.79 Monitoring of oil pollution on coral communities in the Eastern Gulf of Thailand

Yeemin, T *, Sutthacheep, M; Suebpala, W; and Sangmanee, K Marine Biodiversity Research Group, Department of Biology, Faculty of Science, Ramkhamhaeng University, Thailand

P.80 Exploring innovative management for the red spiny lobster fishery in the Galápagos Islands.

Debevec, T *, Eddy, NE; Johnson, LA; Sim, J; and Westfall, K, Bren School of Environmental Science & Management

P.81 A case study on European hake gillnet fisheries in the southern Sea of Marmara: Comparison of catch rates and catch composition with different mesh sizes.

Deniz, T. , Istanbul University, Faculty of Fisheries; Ateş, C.

Muğla Sıtkı Koçman University, Faculty of Fisheries; Göktürk, D. *Istanbul University, Faculty of Fisheries; Uzer, U. Istanbul University, Faculty of Fisheries

P.82 An evaluation of the effects of fishing on the population structure of *Cittarium pica*, the West Indian Top Shell, in the British Virgin Islands and Puerto Rico.

Macfarlan, R.J.A. , PhD Candidate, University of Rhode Island, Natural Resources Science; Forrester, Graham *Prof. University of Rhode Island, Natural Resources Science

P.83 Quantifying recreational shore-angling catches around Malta (Central Mediterranean): insights for management and conservation.

Sandra Agius Darmanin *, Conservation Biology Research Group; Adriana Vella Conservation Biology Research Group

P.84 Payments for Ecosystem Services in developing world fisheries.

Annabelle Bladon *, Imperial College London

P.86 Aquatic tourism development in Nigeria protected areas panacea to global warming: Old Oyo National park as case study.

Ojo,S.O *

P.87 Year-round spatial overlap between energy infrastructure and Brown Pelican movements in the Gulf of Mexico.

Lamb, Juliet S. *, Clemson University, Clemson, SC; Jodice, Patrick G.R. U.S. Geological Survey, South Carolina Cooperative Fish and Wildlife Research Unit, Clemson, SC

P.88 East coast marine mammal acoustic study: using multiple modalities to assess habitat usage by harbour porpoises and bottlenose dolphins

Palmer, KJ *, University of St. Andrews; Brookes, K Marine Scotland: Science; Rendell, L University of St. Andrews

P.89 Tourist attitudes towards captive marine mammal attractions in the Turks and Caicos Islands.

Wassermann, S *, School for Field Studies - Center for Marine Resource Studies; Hind, E School for Field Studies - Center for Marine Resource Studies

P.90 Degree of contamination and threats of benthic litter in Salvador, BA, Brazil.

Fernandino, G *, Universidade Federal da Bahia; Elliff, C Universidade Federal da Bahia

P.91 From sand to reef; recycling glass bottles as settlement substrata in the Caribbean.

Ramos, FJ *, Divers Team; Rincón, NM Universidad Nacional de Colombia, Sede Caribe

P.92 Estimation of seasonal blubber stores of Bristol Bay beluga whales (*Delphinapterus leucas*) using high-resolution ultrasound.

Pasi, CJ *, Alaska Pacific University; Cornick, LA Alaska Pacific University; Goertz, C Alaska SeaLife Center; Huntington, KB Alaska Veterinary Pathology Services; Norman, S MarineMed; Quakenbush, L Alaska Department of Fish and Game; Hobbs, R Alaska Fisheries Science Center





P.93 Population genetic study for conservation of the endangered species, *Ellobium chinense*.

Jumin Jun *, National Institute of Biological Resources;
JunHyunjong Kil National Institute of Biological Resources;
Jeongeun Ban National Institute of Biological Resources; Jeong-Nam Yu National Institute of Biological Resources; Hyunkyung Oh National Institute of Biological Resources

P.94 Genetics and Ecological studies of *Luciogobius pallidus* from Jeju Island in Korea for establishing a conservation strategy.

Yu J-N *, National Institute of Biological Resources; Kim B-J National Institute of Biological Resources; Kim S National Institute of Biological Resources; Oh K National Institute of Biological Resources; Lim CE National Institute of Biological Resources

P.95 Philopatric behaviour in NE Atlantic Spurdog (*Squalus acanthias*), a regionally critically endangered elasmobranch .

Thorburn, JA *, College of Life Sciences & Medicine, University of Aberdeen; Neat, F Marine Scotland Science; Bailey, DM Institute of Biodiversity Animal Health and Comparative Medicine, University of Glasgow; Noble, LR College of Life Sciences & Medicine, University of Aberdeen; Jones, CS College of Life Sciences & Medicine, University of Aberdeen

P.96 Monitoring coastal-marine birds in the Costa Rican northern caribbean through community integrating and inter-institutional processes.

Bonilla, S *

P.97 Comparing volunteer and professionally-collected monitoring data shows that citizen scientists can detect long-term change on coral reefs.

Forrester, G *, University of Rhode Island; Conetta, D University of Rhode Island; Forrester, L University of Rhode Island; Kintzing, E University of New Hampshire; Jarecki, L University of Rhode Island; Baily, P Association of Reef Keepers

P.98 The first participatory marine megafauna by-catch assessment in Maio, Cape Verde.

Lopes, K , Maio Biodiversity Foundation; Passos, L Maio Biodiversity Foundation; Lee-Brooks, K * Fauna and Flora International; Magileviciute, E Maio Biodiversity Foundation; Dutra, A Maio Biodiversity Foundation; Koenen, F Maio Biodiversity Foundation

P.99 Maximizing mangrove forest conservation through multi-scale stakeholder engagement in citizen science.

Cousins, JA *, Earthwatch Institute; Huxham, M Edinburgh Napier University

P.100 Using citizen scientists to strengthen scientific, educational and conservation impacts in coral reef conservation

Cousins, JA *, Earthwatch Institute; Smith, DJ University of Essex

P.101 Engaging Island Developers and Dive Operators in Marine Protected Area Design: Lessons from Cambodia.

Phallin, Chea *, Fauna & Flora International; Berry Mulligan Fauna & Flora International; Sophie Benbow Fauna & Flora International

P.102 Establishing and building capacity of Fishers Sighting Network to assess distribution and diversity of marine mammal along coastal Cameroon.

Aristide Kamla Takoukam *, African Marine Mammal Conservation Organization; Ngafack Paul, Rodrigue African Marine Mammal Conservation Organization; Nguesseu Njanjouo, Ghislain African Marine Mammal Conservation Organization; Lucy Keith Diagne Sea to Shore Alliance; Tim Collins Wildlife Conservation Society;