



Adriatic Biodiversity
Conservation Center
AQUARIUM BOKA



Centar za zaštitu
biodiverziteta Jadrana
AKVARIJUM BOKA



AdriBioPro2024

1-4 October
Kotor
Montenegro

International Conference: Adriatic Biodiversity Protection

PROGRAMME

**October 1st
2024**

KC "Nikola Đurković" Gallery

17:30-18:00

Registration participants

18:00-19:00

Conference Exhibition - "Man and the Sea" Opening

**October
2nd 2024**

KC "Nikola Đurković" Theater Hall

9:00-9:30

Registration of participants

9:30-10:30

Opening words

Welcome words by Mayor of Kotor, Mister Vladimir Jokić

Welcome words by Professor Vladimir Božović, the University of Montenegro Rector

Welcome words by H.E. Anne-Marie Maskay, Ambassador of France in Montenegro

Welcome message by DG MARE (tbc)

Welcome message by director Mirko Đurović, Institute of Marine Biology, UCG

Folklore Ensemble "Nikola Đurković"

Closing words

10:40-11:30

Panel Session Skills

by Antonio Agrossi, Interreg IPA South Adriatic Joint Secretariat

11:30-12:00

Refreshments

12:00-14:00

Panel Session AdriaMed

12:00-13:00

FAO AdriaMed dialogue on the past and present

13:00-14:00

Adriatic fisheries and aquaculture: next 25 years (Identifying Gaps and Opportunities for Future Development; The role of young generation)

14:00-15:00

Lunch

15:00-15:30

Networking

15:30-16:30	Elasmobranch biodiversity, conservation and management Rigers Bakiu and Marco Kule: Critical life stage (recruits and spawners) and spatial analyses of 2 ray and 2 shark species in the Albanian territorial waters Lovrenc Lipej and Borut Mavrič: Elasmobranch research in the Adriatic sea: experiences from Slovenia Jacopo Bernardi, Giulia Bressan, Carlotta Mazzoldi: Using local ecological knowledge to understand the recreational fishing impact on elasmobranch populations in the Northern Adriatic Sea coastal area Ilija Cetković, Ana Pesic, Aleksandar Joksimovic, Zdravko Ikica and Ilinka Aloric: Collecting data on elasmobranchs in a developing country: achieved goals and experiences of Montenegro Discission
16:30-17:30	Poster session all topics KC "Nikola Đurković", Multimedial Hall
12:00-12:35	Climate Change and impact to ecosystems Dario Giaioti, Alessandro Minigher, Elena Giancesini and Moira Pittis: Trends of sea level, air temperature and precipitations in the Mediterranean, according to the Med-CORDEX and Euro-CORDEX simulations of future climate scenarios Charalampos Vasileiadis, Dario Giaioti, Quentin Robiquet, Danijela Joksimović, Albert Rodríguez de Gea and Adam Gauci: MedSeaRise: a step further in understanding how to face the risks related to the progressive increase of sea level in the Mediterranean Rade Garić, Mirna Batistić and Marijana Hure: State of gelatinous zooplankton research in the Adriatic Sea
12:40-14:00	Panel session MedSeaRise Angelique Melet: Sea Level Rise in Europe: 1st Assessment Report of the Knowledge Hub on Sea Level Rise Tarzan Legović: Adriatic Sea level rise until 2099
14:00-15:00	Lunch
15:00-15:30	Networking
15:30-17:30	Sea level rise: how to exploit climate change scenarios for effective adaptations? Giorgia Verri : Climate projections of the Adriatic Sea: the role of river release

Jasmina Obhodaš: New insights from climate change studies based on the evaluation of temporal trends of marine environmental indicators including impacts on rising sea levels

**October
3rd 2024**

KC "Nikola Đurković", Multimedial Hall

9:30-11:00

Marine and freshwater biodiversity, systematics, taxonomy and data

Neven Cukrov, Ante Šiljeg and Sandi Orlic: Novel approaches for the monitoring of freshwater bodies

Vesna Mačić, Slavica Petović, Nikola Djordjević, Luka Čalić, Milena Bataković, Radovan Kandić, Marinko Lončović and Ivana Adžić: Boka Kotorska Bay as a potential Natura 2000 site

Ante Žuljević, Ivan Cvitković, Zrinka Mesić, Siniša Tkalčec, Jelena Nejašmić, Branimir Jurun and Ivan Vučić: Towed camera as the main ground truthing methods during Croatian marine coastal and benthic habitats mapping

Martina Canessa, Giorgio Bavestrello, Egidio Trainito and Vesna Mačić: The pipe of life: peculiarities of a gorgonian assemblages in Boka Kotorska Bay (Montenegro)

Nikola Djordjević, Nađa Grozdanić, Maja Petrović, Siniša Simić, Milica Marković, Slavica Petović and Tatjana Stanojković: Sponges extracts from the Adriatic Sea induces apoptosis on HeLa cells

Nenad Sekulić and Saša Branković: Diversity of marine life in the coastal zone of the Hilandar Monastery (Mount Athos, Greece)

Nicola Ungaro: The Project "Puglia FishLifeStyle": Biological characteristics and ecology of the main resources for Puglia fishery
Discussion

11:00-11:30

Refreshments and Networking

11.30-13:30

Aquatic alien and invasive specie

Dimitrios K. Moutopoulos, Nikoletta Sidiropoulou, Nikos Doumpas, Ioannis Giovos, Emmanouil Perrakis and Dimitrios Tsianis: Investigating consumer attitudes and market trading of edible marine invasive alien species in the Greek seafood market

Sule Gurkan, Simge Bozkaya, Ertan Taskavak and Fatma Kocbas: Sexual and Seasonal Approaches to Biological Indices of the Invasive Fish Species Red Cornetfish (*Fistularia petimba* Lacepède, 1803) on the Eastern Mediterranean Coasts (Turkey)

Aleksandar Joksimović, Ana Pešić, Olivera Marković, Ilija Četković and Ilinka Alorić: New, additional frequent record of invasive species of lionfish (*Pterois miles*) on the Montenegrin coast, Adriatic Sea

Vera Stanković, Aleksandra Marković, Branka Pestorić and Andreas Ballot: eDNA - A modern tool for the preservation of marine ecosystems: the example of the sea of Montenegro

Fisheries resources and fishing technology

Ilinka Aloric, Ana Pesic, Ilija Cetkovic, Aleksandar Joksimovic and Zdravko Ikica: Dentex maroccanus in the southeastern Adriatic Sea?

Tarzan Legović: Limits to commercial fishery in the 21st century

Adriana Gioel Tranchina and Jerina Kolitari: Marine recreational fishing in Italy and Albania. Critical issues and perspectives from national legislation

Marine protected areas, conservation of aquatic resources and ecosystems

Massimo Virgili, Andrea Petetta, Giulio Barone, Daniel Li Veli, Giada Bargione and Alessandro Lucchetti: Engaging fishers in sea turtle conservation in the Mediterranean Sea: Engaging fishers in sea turtle conservation in the Mediterranean Sea

Mélanie Zittel and Florent Merle: « OFB's engagement for ecosystem conservation in Adriatic Sea : from endangered species to sustainable management tools and education »: « OFB's engagement for ecosystem conservation in Adriatic Sea : from endangered species to sustainable management tools and education »

Stéphane Coupé, Mathieu Foulquié, Maite Vázquez Luis, Ioannis Giantsis, Fabio Scarpa, José Rafa García-March, Jean-Marc Prévot, Nardo Vicente and Robert Bunet: Genetic adaptation of Pinna nobilis to the parasite Haplosporidium pinnae: Genetic adaptation of Pinna nobilis to the parasite Haplosporidium pinnae

Mathieu Foulquié, Stéphane Coupé, Nardo Vicente and Robert Bunet: Population Status and Conservation of the Critically Endangered Fan Mussel (Pinna nobilis) in Thau Lagoon, France: Population Status and Conservation of the Critically Endangered Fan Mussel (Pinna nobilis) in Thau Lagoon, France

Discission

13:30-14:30 Light lunch

14:30-15:00 Networking

Aquaculture and blue growth

15:00-17:00 **Michael Chatziefstathiou**, Theodore Mavraganis, Cosmas Nathanailides, Charalampos Karipidis and Fotis Karipidis: Combining the Circular Economy and Blue Growth concepts to protect biodiversity and improve the sustainability of aquaculture: valorisation of sludge from wine processing wastes as a nutrient-rich fish feed ingredient

Andreja Ramšak: Mussels and mussel farming in the wind of changes

Clément Chazot, Aurélie Spadone, Raphaëla le Gouvello and François Simard: Towards a regenerative Blue Economy: Mapping the Blue Economy

Malamati Mina, Vasiliki Filinta, Michael Chatziefstathiou, Ioannis Mitsopoulos, Elena Mente and Nikolaos Vlahos: Cultivation potential of the macroalgae Ulva compressa at different nitrogen levels in aquaculture as an indicator of nitrogen absorption

Tarzan Legović: The maximum sustainable fish culture

Nihad Fejzić, Melba Reantaso and Adnan Jazic: Aquatic Animal Health Surveillance in Bosnia and Hercegovina: Achievements, Status, and Challenges

Sara Mattiello, Mattia Latini, Cristiano Fragassa, Radmila Gagić and Carlo Santulli: Use of Adriatic Sea marine waste in biocomposites using bio-epoxy resin

Marine litter, ecotoxicology, and water pollution

Aikaterina Katsaouni, Ioanna Tzioga, Roxani Naasan Aga Spyridopoulou, Maria Sidiropoulou and Anastasia Charitou: Octopus fishing pots, a major plastic litter in the Thracian Sea, North Aegean Sea

Mercedes Muñoz Cañas: Tackling plastic pollution in the Mediterranean Sea

Neda Bosković, Željko Jaćimović and Oliver Bajt: Rivers in Montenegro which belong to the Adriatic Basin as secondary sources of microplastic along the Montenegrin coast

Josip Gregac, Marinka Kutle, Andrija Vinković, Vladivoj Valković, Tarzan Legović and Jasmina Obhodas: Improving sediment quality in Blue Flag marinas over 15 years

Discussion

17:00-17:15

**October
4th 2024**

Closing words

09:00-15:00

Project meetings

Poster Session

Marine and freshwater biodiversity, systematics, taxonomy and data management

Slađana Nikolić, Ines Peraš and Milica Mandić: Marine Bivalve Molluscs of Montenegro (southeast Adriatic Sea)

Slađana Rakita, Ivana Čabarkapa, Nada Čujić-Nikolić, Dragana Drakulović and Ana Rotter: Exploring the nutritional potential of *Ulva lactuca* from Boka Kotorska Bay

Bojana Tubić, Nataša Popović, Jelena Đuknić, Maja Raković and Momir Paunović: Overview of stoneflies diversity patterns in Serbian hilly and mountain streams

Maja Raković, Nataša Popović, Jelena Đuknić, Bojana Tubić, Momir Paunović, Stefan Anđus and Jelena Tomović: New data of the endangered species *Theodoxus transversalis* (C. Pfeiffer, 1828) in the lower part of the Danube River

Sasho Trajanovski, Biljana Budzakoska Gjoreska and Konstantin Zdraveski: Lake Prespa: Temporal-Spatial Analysis of Macrozoobenthos and Ecological Status

Sonja Trajanovska, Marina Talevska and Sasho Trajanovski: The state of the macrophyte vegetation in Pespa Lake in the last decade (2014-2024)

Nenad Sekulić and Saša Branković: Diversity of marine life in the coastal zone of the Hilandar Monastery (Mount Athos, Greece)

Maja Mucko, Branka Pestorić, Davor Lučić, Antonija Matek and Zrinka Ljubešić: Summer zooplankton community composition in the South Adriatic Sea (Lastovo Island)

Dragana Milošević, Danilo Mrdak, Miloje Šundić and Milena Nenadović: Preliminary diet analysis of European eel, *Anguilla anguilla* (Linnaeus, 1758) from Lake Skadar (Montenegro)

Branka Pestorić, Davor Lučić, Antonija Melek, Zrinka Ljubešić, Maja Mucko: Zooplankton community in open waters in Adriatic sea

Maria Kalentsits, Tamsin Vicary, Ingrid Čatić, Sofija Konjević and Nicoletta Milone: Assessment of research trends and collaborative practices in the Adriatic region in the past 25 years: a case study within the FAO AdriaMed - ASFA cooperation

Jelena Hinić-Jordanovska, Valentina Slavevska-Stamenković, Vasil Kostov, Irina Manevska, Stojmir Stojanovski and Dijana Blazhekovikj-Dimovska: Effects of coal mining activities and photovoltaic power plant operation towards the macroinvertebrate community in Oslomej reservoir and river Temnica (R. North Macedonia)

Jelena Hinić Jordanovska, Valentina Slavevska-Stamenković, Katja Zendelska and Petar Spasović: The impact of small hydropower plants on stone crayfish *Austropotamobius torrentium* (Schränk 1803)

Irina Manevska, Jelena Hinić-Jordanovska, Marija Kostova, Valentina Slavevska-Stamenković and Vasil Kostov: Ecological research of ichthyofauna and benthic fauna in Kozjak reservoir

Aquatic alien and invasive species

Davor Lučić, Natalia Bojanić, Jakica Njire, Ivona Viočić and Josip Primorac: Alien zooplankton species in the port of Ploče and the Neretva estuary (south-eastern Adriatic Sea)

Jelena Nejašmić, Marija Kvesić Ivanković, Ivan Cvitković, Marija Despalatović, Petra Lučić and Ante Žuljević: Understanding *Bursatella leachii* Blainville, 1817 in Croatian waters: molecular aspect of an alien marine species

Ivana Čabarkapa, Jasmina Lazarević, Miloš Županjac, Aleksandar Bajić, Mladen Horvatović, Dragana Lukić and Nevena Hromiš: Managing Invasive Species with a Zero-Waste Approach: The Case of Spiny-Cheek Crayfish in Serbia

Fisheries resources and fishing technology

Vesna Đikanović, Jelena S. Vranković, Branko Miljanović, Nemanja Pankov and Katarina Jovičić: Status of relict species *Umbra krameri* Walbaum, 1792 in Serbian waters

Valentina Caserta, André Punt, Enrico Arneri, Tim Berginc, Vanja Cikes-Kec, Andrea De Felice, Iole Lenori, Alberto Santojanni and Silvia Angelini: Integrating key ecosystem components into stock assessment models for fishery management

Vanja Čikeš Keč, Barbara Zorica and Jakov Krželj: Could otolith shape tell us more? Adriatic sardine case

Nedo Vrgoč, Igor Isajlović, Damir Medvešek and Ratko Cvitanić: The establishment of the FRA (Fisheries Restricted Area) as a mechanism for the protection of bottom resources of the Adriatic

Stojmir Stojanovski, Lidija Velkova-Jordanoska, Dijana Blazhekovikj-Dimovska, Valentina Slaveska Stamenković and Jelena Hinić: Contribution to parasite fauna of Prespa nase (*Chondrostoma prespense* Karaman, 1924) (Pisces: Cyprinidae) in lake Prespa, Republic of N. Macedonia

Aquaculture and blue growth

Belma Kalamujić Stroil, Dragojla Golub and Radoslav Dekić: The State of the Aquaculture and Freshwater Fisheries Sector in Bosnia and Herzegovina

Rajko Martinovic, Danijela Joksimovic, Ana Perošević-Bajceta, Ivana Cabarkapa and Hermann Ehrlich: Major cations in shell organic matrix of the Mediterranean mussel from the Adriatic coast of Montenegro

Marine litter, ecotoxicology, and water pollution

Jelena S. Vranković, Katarina Jovičić and Vesna Đikanović: Gill biomarkers for the effects of environmental pollution in *Blicca bjoerkna*

Sonila Shehu, Elda Marku, Pranvera Lazo and Jonida Tahiraj: Evaluation of the impact of Commercial port activity in the environmental situation of Vlora bay, Albania

Flora Qarri, Vanela Gjerci and Elda Marku: Application of smart sensors and national pollution hub for preventing marine water pollution in Albania

Tanja Kobal, Margareta Kračun Kolarević, Stoimir Kolarević, Tea Zuliani and Andreja Ramšak: Polyethylene microplastics as vector for TBT transfer in mussel *Mytilus galloprovincialis*

Mihajlo Jović, Antonije Onjia and Ivana Smičiklas: Comparative advantages of the rapid method for methylmercury determination in seafood using direct mercury analyzer

Ivana Smičiklas, Snežana Dragović, Antonije Onjia, Milica Mandić and Mihajlo Jović: First record of methylmercury concentrations in mussels and oysters from Boka Kotorska Bay

Anxhela Çurri and Jerina Kolutari: Combatting Sea Turtle By catch: Addressing Ghost Gear in Drini Bay

Ines Kokić, Slađana Nikolić and Milica Mandić: Assessment of marine litter on Montenegrin beaches (south Adriatic Sea)

Ana Perošević-Bajčeta, Danijela Joksimović, Rajko Martinović, Bojana Knežević and Maja Pagnacco: Trace elements in *S. pilchardus* from Montenegrin coast - human health risk assessment

Sandra Jokanovic: Estimation of biological and chemical parameters in Kumbor area (Bokakotorska Bay)

Marine protected areas, conservation of aquatic resources and ecosystems

Mathieu Foulquié, Stéphane Coupé, Nardo Vicente and Robert Bunet: Population status of the Critically Endangered Fan Mussel (*Pinna nobilis*) in french coastal lagoons

Nada Ćujić Nikolić, Dragana Drakulović, Zorana Mutavski, Slađana Rakita, Ivana Čabarkapa, Katarina Šavikin and Muki Spighel: The Green Secret of the Adriatic Sea: New Approaches to Utilize *Ulva* spp. from Boka Kotorska Bay

Environmental education

Ana Vujović, Vladimir Pešić and Roger Meek: Thermoregulation in Hermann's tortoise in a changing thermal environment: A year long perspective

Aleksandra Komarnicki Ćirlić: Education of fishermen as a stakeholders tool in preserving biodiversity

Evangelos Papadimitriou, Mariia Bykadorova, Christos Mammides, Elli Kiourani, Lucia Fanini and Claudio Saez: Optimizing Benthic Marine Research through Advanced Photogrammetry Techniques

Evangelos Papadimitriou, Mariia Bykadorova, Christos Mammides, Elli Kiourani, Lucia Fanini and Claudio Saez: Photogrammetric Analysis and Spatial Mapping of *Aplysina aerophoba*

Ana Pešić, Radmila Gagić and Danilo Nikolic: Transforming Waste into Resource: A Potential of *Posidonia oceanica* Waste Valorization for Biocomposites

Elasmobranch biodiversity, conservation and management

Jacopo Bernardi, Matteo Barbato, Luca Bolognini, Licia Finotto, Francesco Garzon, Lucy A. Hawkes, Matthew Witt and Carlotta Mazzoldi: Multidisciplinary approach to study the interaction and survival of pelagic sharks in recreational fishery in the Northern Adriatic Sea