

## „Deltas & Wetlands” DDNI Scientific Events Community, 31-st edition Deltas & Wetlands International Symposium

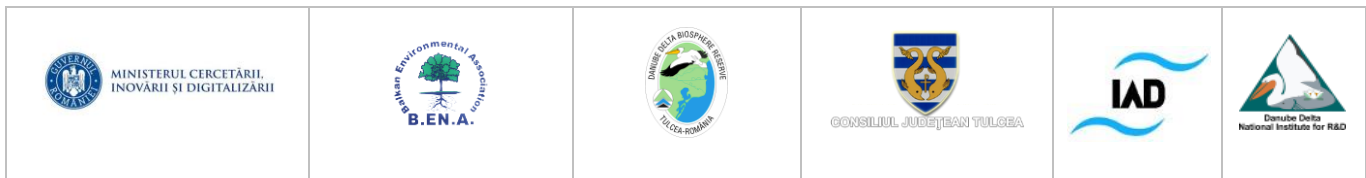
Tulcea, May 13 - 17, 2024

✓ **May 13, 2024 (Monday)** - Arrival of participants

✓ **May 14, 2024 (Tuesday)**

Venue: „Mihail Kogălniceanu” City Hall, 20 Păcii Street, Tulcea

- 9.30 - 10.00 - Registration of participants (*Romanian time*)
- 10.00 - 11.00 - **Opening ceremony** - **Dr. Biol. Marian TUDOR**, General Director of DDNI
- 11.00 - 11.30 - **Keynote Speaker**
  - Prof. Dr. **Ming JIANG** (Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences) - **Wetlands Conservation Network in Amur River Basin: outcomes and experiences**
    - Signing of MoU between Northeast Institute Of Geography And Agroecology (IGA), CAS and Danube Delta National Institute for R&D (DDNI) Tulcea
- 11.30 - 12.00 - The awarding of the honorary plaques "Researchers Emeritus" for **Mr. Nicolae PANIN, Academician** and **Mr. Dan BĂLTEANU, Academician**. Symposium interviews
  - Prof. Dr. Emeritus **Stoica Preda GODEANU** - Launch of the book "**The eight layers of our planet**"
- 12.00 - 13.30 - **Lunch & Networking - Venue: Delta Hotel 4 \***, 2 Isacpei St. Tulcea
- 13.30 - 14.30 - **Mission Ocean - Common Action Plan Danube Lighthouse & Black Sea Strategy - DANUBE4All / DaWetRest / Restore4Life / DALIA**
  - Mrs. **Magdalena-Andreea STRACHINESCU-OLTEANU**, Head of Unit, DG MARE, EC: *Mission Ocean perspectives*
  - Mrs. **Andreea-Ştefania IONAŞCU**, ONG Mare Nostrum Constanţa: *Common Maritime Agenda - connecting Danube with Black Sea*
  - Prof. **Ekaterina BATCHVAROVA**, Prof. **Boian KOULOV**: *The DaWetRest Project: an Element of the Black Sea Lighthouse System*
  - Dr. **Mihai ADAMESCU**: *Wetlands - Life supporting units (The Restore4Life project as a promoter of wetland restoration in the Danube River)*
  - Prof. Dr. **Helmuth HABERSACK \***: *DANUBE4all - Restoration of the Danube River Basin Waters for Ecosystem and People from Mountains to Coast*
  - Dr. **Christian FERRARIN**, Prof. Dr. **Adrian STĂNICĂ**, Dr. **Irina DINU**: *A hydrodynamic model of the Danube Delta for evaluating river-lagoon-sea connectivity and reconnection solutions*
  - Mr. **Ion-Alexandru MORGOVAN \***: *DALIA - DPS 9 actions regarding floating waste pollution of rivers*
    - Convener: Dr. Eng. **Iulian NICHERSU**, DDNI Tulcea
- 14.30 - 16.30 - **Lower Danube and Danube Delta Living Lab (EcoDALLi) on Water Systems**
  - Chairman: Mr. **Gheorghe CONSTANTIN**, Director, Ministry of Environment, Waters and Forests of Romania
  - Moderator: **Dr. Delia DIMITRIU**, Smarter Mobility Solutions Ltd. UK
- 16.30 - 16.40 - *Coffee break*



- 16.40 - 17.30 - **Scientific cooperation in progress between China and Romania:**

Yingji PAN	Quantifying the effects of global change on wetland plants from a trait-based perspective
Xiangjin SHEN	Critical role of water conditions in the responses of autumn phenology of marsh wetlands to climate change on the Tibetan Plateau
Jingjie ZHANG	Integrating Catchment-Scale Monitoring and Modeling Approaches to Enhance Research and Water Quality Management
Mihai DOROFTEI	Comparative study on management techniques and strategies for the conservation of wetlands in the context of climate change between Romania and China
  
- 17.30 - 18.00 - **PICO - Business approaches**
  - Mr. **Pierre ERWES**, Executive Chairman: BioMarine, Co-Founder: Blue Forward Fund - Seventure
  - Mrs. **Mihaela APOSTOL**, Tehnoinstrument IMPEX SRL Bucharest, *New technologies applied to environmental monitoring: next generation mobile survey of CH4 emissions*
  - Mr. **Sorin BOGDAN** - MDS Electric SRL Bucharest, *Equipment and solutions for water monitoring*
  - Mr. **Vasili APOSTOL**, SC IPA SA Galați, *Support services for companies through the Enterprise Europe Network*

[Venue: Avramide HOUSE, 32 Progresului Street, Tulcea](#)

- 18.10 - 18.50 - **Posters presentations & Coffee**

[Venue: Delta Hotel 4 \\*, 2 Isaccei St. Tulcea](#)

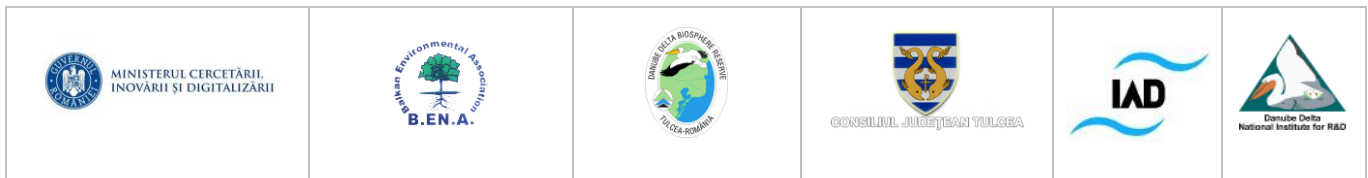
- 19.00 - *Festive dinner*

✓ **May 15, 2024 (Wednesday)**

[Venue: „Mihail Kogălniceanu” City Hall, 20 Păcii Street, Tulcea](#)

- 09.00 - 09.30 - **Keynote Speaker**
  - Prof. Dr. **Richard PREZIOSI** - Faculty of Science and Engineering, University of Plymouth
- 09.30 - 11.45 - **Section I, Biodiversity & nature conservation, natural resources & Socio-economic aspects**
  - Convener: Prof. Dr. **Katrin TEUBNER**, Co-convener: Dr. **Gabriel LUPU**

Mihai DOROFTEI	Habitats of the Danube Delta
Elchin SULTANOV *	Results of winter counts of birds in Azerbaijan in 2024
Alexandru DOROȘENCU	Review of the management plan and Danube Delta Biosphere Reserve regulation - the goal and objectives of the management plan, conservation measures and activities
Silviu COVALIOV	Beekeeping potential estimation in Danube Delta Biosphere Reserve - a new approach to improve biodiversity conservation and local traditions
Dorin ALEXANDRU POP	The Third National Report Decoded: Updates, Advanced Trends and Future Scenarios in Amphibian and Reptile Conservation in Romania
Liliana ENE	Status of biodiversity, reed habitats, sustainable exploitation of natural resources, invasive species and socio-economic implications in Danube Delta Biosphere Reserve in 2023



Olga ALEXANDROU Dalmatian pelicans in Greece and avian flu outbreak 2022: impact and preliminary results of an ecoepidemiology study

Giorgos Catsadorakis On the method for censusing great white pelican nesting aggregations through aerial photos taken by UAVs, in Lake Mikri Prespa, NE Greece

Călin COTOI Phragmites australis and Arundo donax: Transnational plant lives and technologies in the socialist Danube Delta

Teodora TĂNASE Fish introductions alter the early development of common frogs in alpine habitats

- 11.45 - 12.15 - **Roundtable debate: „Artificial intelligence for climate change adaptation and mitigation”**
- 12.15 - 13.45 - **Lunch & Networking - Venue: Delta Hotel 4 \* , 2 Isaccei St. Tulcea**
- 13.45 - 14.45 - **Keynote Speakers**
  - Prof. Dr. **Bernd CYFFKA** - International Association for Danube Research (IAD), *Ecosystems Services of Wetland Biomes*
  - Mr. **Nick NELSON** - INTER-FLUVE US: *Connections: Vertical and lateral connectivity along rivers*
- 14.45 - 16.15 - **Section II, Environmental factors. Ecological restoration and Anthropogenic Impact**
  - Convener: Prof. (Associate) Dr. **Dužanka CVIJANOVIĆ**,  
Co-convener: Dr. **Adrian BURADA**

Cornel TARABIC Investigating Habitat Soundscapes in protected areas

Dužanka CVIJANOVIĆ Designing and Fine-Tuning Restoration Measures for Peatland Ecosystems (Vlasina Plateau, Middle Danube Basin)

Katrin TEUBNER Shifting Restoration Focus: From Minimum to Optimum Light Requirements re-establishing submerged macrophytes

Enikő Anna TAMÁS Analysis of floodplain aggradation patterns along the Danube, Tisza and Hernád Rivers in Hungary

Markus WEINBAUER Viruses und microorganisms on floating particles

Hugo FARIA Tracking Change: Impact Assessment in the context of the Danube Lighthouse

Mladen KULEV, Valeri GEORGIEV Environmental Factors Monitoring Systems of the Future (EFMS)

- 16.15 - 16.45 - **Keynote Speaker**
  - Mr. **Jose Luiz MOUTINHO** - AIR Centre: *Protecting and Restoring our Ocean & Waters: Cross-basin collaboration between the Atlantic, Arctic and Danube Delta*
- 16.45 - 18.00 - **Section IV, Geographical Information System and Application System Modeling**
  - Convener: Prof. Dr. **Dragoș Sebastian CRISTEA**, Co-convener: Dr. **Alexandru BĂNESCU**

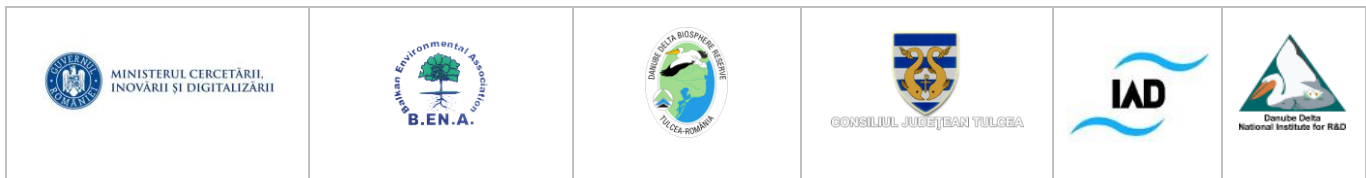
Cristian TRIFANOV EMODnet: Advancing European Bathymetry Initiatives for Enhanced Marine Data Integration and Accessibility

Mihnea-Ștefan COSTACHE \* Mapping Riparian Condition Index in the Cotmeana watershed based on GIS and Remote sensing techniques

Dragoș Sebastian CRISTEA Smartsense - demonstrator of an innovative application for sustainable research and promotion of tourist areas using advanced techniques for computerized visualization and audio-visual recognition

Andrei TOMA Remote Sensing-Based Mapping of Aboveground Biomass in the Danube Delta

Cristian TRIFANOV Changes of the hydro-morphological conditions of the Sfântu Gheorghe arm as a result of the hydrotechnical works to regulate the water course



- 18.00 - 18.10 - *Coffee break*
- 18.10 - 18.30 - **New Scientists Event**

✓ **May 16, 2024 (Thursday)**

Venue: „Mihail Kogălniceanu” City Hall, 20 Păcii Street, Tulcea

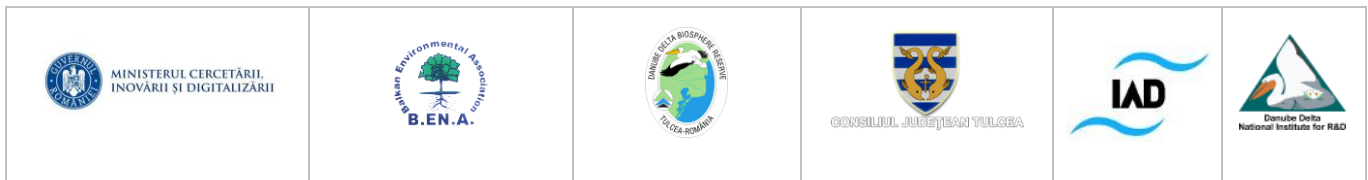
- 09.00 - 12.00 - **Lower Danube and Danube Delta Living Lab (EcoDALLi) on Biodiversity**
  - Chairman: Mr. **Bogdan - Ioachim BULETE**, Governor, Danube Delta Biosphere Reserve Authority
  - Moderator: Dr. **Orieta HULEA**, General Director, WWF Romania
- 12.00 - 12.20 - **NEVERMORE** - Stakeholder engagement and social science for climate action, Mrs. Daniela PETROSCHI, The Prefect's Institution Tulcea County
- 12.20 - 13.50 - **Lunch & Networking - Venue: Delta Hotel 4 \*, 2 Isaccei St. Tulcea**
- 13.50 - 14.30 - **Keynote Speakers**
  - Dr. **Delia DIMITRIU** - Smarter Mobility Solutions Ltd. UK: *Decarbonising Danube Delta: Building upon Existing Initiatives and the Role of 3D Network*
  - Mrs. **Ulrike LEIS \*** - European Climate Initiative EUKI: *EUKI Networking Conference 2024 - Joining hands to drive the green transitions forward*
- 14.30 - 17.00 - **Section III, Green Deal Challenges. 3D Initiative (Decarbonising Danube Delta)**
  - Moderator: Prof. Dr. **Florin Codruț NEMȚANU**, Faculty of Transport, University POLITEHNICA of Bucharest
  - **Overview of the 3D Initiative experience. Results (COP27, COP28)**
    - What, Who & How about 3D Initiative - Dr. Eng. **Iulian NICHERSU** (DDNI)
    - Brief presentations of the 3D Strategy pillars (Mobility, Agriculture, Renewable Energy, Circular Economy)
    - Co-development of experimentations rooted in agroecological principles in Bio Danubius Hub, Inter-Bio President Prof. Dr. **Costin LIANU**
    - 3D internationalization (COP27, COP 28) - Mr. **Vlad SANDU**, Geostud SRL
  - **3D existing cooperation - Danube Delta & Nile Delta and Valley**
    - Advancement of green materials and circular economy, Prof. Dr. **Irene GABRIEL**, Nile University
    - Decarbonization of Nile Delta in Egypt: Challenges and opportunities, Prof. Dr. **Hamada M. MAHMOUD**, Beni-Suef University
  - **3D debates & next steps - follow up / existing projects**
    - Moderators: Dr. **Iuliana NICHERSU** - FZI Research Center for Information Technology Germany, Dr. **Raluca Ioana NICOLAE**, Geostud SRL
    - 3D Initiative Strategy and forward planning, Dr. **Iuliana NICHERSU** - FZI Research Center for Information
- 17.00 - 17.10 - *Coffee break*
- 17.10 - 17.45 - **Symposium Conclusions & Awards**

✓ **May 17, 2024 (Friday)**

- 09.00 - 19.00 - Field trip in the Danube Delta Biosphere Reserve

✓ **May 18, 2024 (Saturday)** - Departure of participants

- \* **online participation**



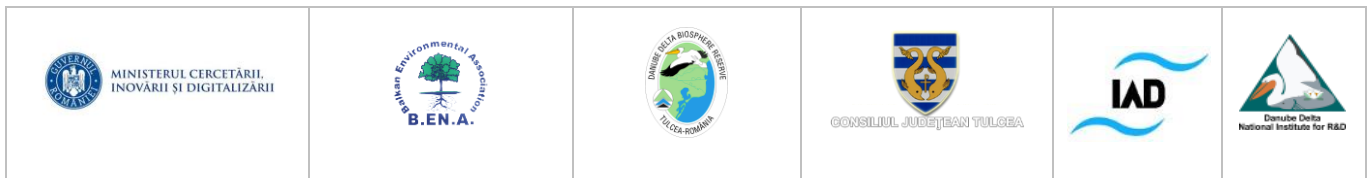
## Posters:

### Section I - Biodiversity and nature conservation, natural resources & Socio-economic aspects

Ana-Maria Chiosa, Simona Dumitrița Chirilă, Gabriel Lupu	Considerations on the diversity of entomofauna in the Șerbănești Lake area (Bacău county)
Simona Dumitrița Chirilă, Ștefan Răileanu, Livia Oana David, Mihai Doroftei, Silviu Covaliov	Study of the palatability of vegetation in the pastures of the Danube Delta, Romania
Florentina Sicrieru, Marian Mierlă, Eugenia Marin	Local population's perception of life quality in Danube Delta Biosphere Reserve: Mahmudia commune case study
Ștefan Honț, Marian Paraschiv, Marian Iani, Iuliana-Mihaela Tudor	An insight regarding adult sturgeon migration on Danube Delta's branches
Aurel Năstase, Irina Cernișencu, Marius Georgian Radu	Estimation of growth parameters and exploitation status of <i>Carassius Gibelio</i> (Gibel carp) stocks, in the fishery resource of the Danube Delta in 2023
Aleksandra Marković, Ivana Trbojević, Vera Stanković	New records of charophytes in Eastern Serbia: distribution and conservation perspectives
Viorel Cuzic	Some observations on the woodpecker species and their ecology in Northern Dobrogea
Mihaela Ciobotă, Andreea Ciobotă, Gabriel B. Chișamera, Viorel D. Gavril, Mihai Marinov, Vasile Alexe, Lucian E. Bolboacă, Alexandru C. Doroșencu, Ioana Cobzaru	Dead or alive: recovery data of the Great Cormorant ( <i>Phalacrocorax carbo</i> , Linnaeus 1758) in Romania – between net-entrapment, shooting and resightings in Dobrogea region
Andreea Ciobotă, Mihaela Ciobotă, Viorel D. Gavril, Gabriel B. Chișamera, Ioana Cobzaru	Dispersal patterns of the Mute Swan ( <i>Cygnus olor</i> , Gmelin 1789) in South East Romania, based on new ringing data
Maria Durão, Hugo Faria	Beyond conventional methods: Non-traditional communication activities to reach younger audiences
Alina-Maria Aldea, Mitică Ciorpac, Mihai Marinov, Vasile Alexe, Kiss J. Bottond, Dragoș-Lucian Gorgan	Genetic diversity of endangered European mink ( <i>Mustela lutreola</i> L., 1761) inferred by mitogenome analysis

### Section II: Environmental factors, Ecological restoration and Anthropic Impact

Florentina-Aurelia Vasiliță, Carmen - Anca Safta, Panaitescu Mariana, Panaitescu Fănel - Viorel	Experimental researches from the Năvodari area regarding the presence of hydrocarbons in the soil of the Romanian Black Sea coastline
Silvia Chelcea, Maria Cristina Trifu	Sulina Branch - Suspended sediment transport and monitoring improvement
Ștefan Răileanu, Simona Dumitrița Chirilă, Livia Oana David, Mihai Doroftei, Silviu Covaliov	Parasitological and floristic analysis in some grasslands and pastures from the Danube Delta, Romania
Elena Ristea, Luminița Lazăr, Nicoleta Damir, Vasile Lavric	Assessing the impact of climate change on Black Sea waters nutrient dynamics and eutrophication
Daniela Seceleanu-Odor, Adrian Burada, Cristina Despina, Nicoleta Cioceanu, Bogdan Gheorghe, Mihaela Țigănuș, Iasemin Suliman, Orhan Ibram, Iuliana-Mihaela Tudor	Seasonal trend of physical-chemical parameters in Danube Delta Biosphere Reserve lakes in 2023
Nicoleta Cioceanu, Cristina Despina, Adrian Burada, Petre-Bogdan Gheorghe, Daniela Seceleanu, Mihaela Țigănuș, Iasemin Suliman, Orhan Ibram, Iuliana-Mihaela Tudor	The influence of the hydrological regime on the abundance and distribution of microplastics transported by the Danube River
Laurențiu Cristea, Marius Deaconu, Luminița Drăgășanu, Cornel Tarabic, Narcisa Burtea, Dan Rădulescu	Investigating Habitat Soundscapes in protected areas
Ionuț-Alexandru Chelaru, Dorel Ureche, Diana Mirilă, Alin Stelian Ciobîcă, Mircea Nicușor Nicoară	Single and combined toxicological effects of meropenem and ketoprofen treatments on zebrafish behavior
Oliver Livanov, Alexandru Banescu, Adrian Burada, Paula Pindic, Ciprian Anore	The Particle Size of the Bottom Sediments in Some Canals of the Fluvial-Marine Danube Delta



Albert Scriciu

The complex interlink of safeguarding water availability and quality to mitigate and adapt to hydroclimatic extremes in Europe

Florentina-Aurelia Vasiličă, Carmen-Anca Safta, Mariana Panaitescu, Fanel-Viorel Panaitescu

Experimental researches from the Navodari area regarding the presence of hydrocarbons in the soil of the Romanian Black Sea coastline

Daniela Florea, Florina Rădulescu, Vasile Lavric, Dan-Lucian Vasiliu, Andra Bucșe, Albert Scriciu

Assessment of heavy metals contamination in Danube River sediments

Koulov, B., Stoyanova, V., Borisova, B., Rachev, N.

National Research Program "Environmental Protection and Reduction of Adverse Events and Natural Disasters' Risks" - Implementation of the 2023 Activities

#### Section IV: Geographical Information System and Application System Modeling

Dragoș Sebastian Cristea, Romulus Chevereșan, Marius Ivanov, Svetlana Segărceanu

Smartsense - demonstrator of an innovative application for sustainable research and promotion of tourist areas using advanced techniques for computerized visualization and audio-visual recognition

Valentin Panait, Tone Marcela

Creation of a spatial database using CORINE Land Cover vector maps, regarding the evolution of fortifications in the Lower Sector of the Danube

Anca Crăciun, Romulus Costache, Nicu Ciobotaru

The impact of climate change on the maximum discharge on the Danube at Isaccea

Dorottya Szám, Gábor Keve, Árpád Fekete, Zsolt Hetesi, Enikő Anna Tamás

Analysis of rainfall distribution patterns on the central part of the Tisza River floodplain

Ion Grigoraș, Marian Mierlă, Cristian Trifanov

Flexible application for collecting data from the field on the mobile phone