



## Preliminary Program

# „Deltas & Wetlands” DDNI Scientific Event Community, 29-th edition

## Deltas & Wetlands International Symposium (hybrid event)

Tulcea, June 01 - 05, 2022

- ✓ **June 01, 2022 (Wednesday)** - Arrival of participants
- ✓ **June 02, 2022 (Thursday)**
  - 9.30 - 10.00 - Registration of participants (*Romanian time*)  
Venue: „Mihail Kogălniceanu” City Hall - 20 Păcii Street, Tulcea County Council
  - 10.00 - 10.30 - **Opening ceremony (Dr. Biol. Marian TUDOR, General Director of DDNI)**
  - 10.30 - 11.30 - **Keynote Speakers**
    - **Dr. Róbert - Eugen SZÉP \*** - Danube Delta Regional Monitoring Integration in ICPDR TNMN - TransNational Monitoring Network
    - **Prof. Dr. Angheluță VĂDINEANU** - Long-term retrospective and prospective views on the dynamics and governance of the local and regional coupled Nature and Society Ecological Complexes (NSEC), nested in the Romanian part of the eastern Lower Danube River sub-catchement: A focus on Danube Delta Biosphere Reserve (*Edaphic-Bloom Danube*)  
**Awarding the title of Researcher Emeritus from DDNI Tulcea**
  - 11.30 - 11.45 - *Coffee break*
  - 11.45 - 13.00 - **Section I, Biodiversity & nature conservation, natural resources & Socio-economic aspects**

<ul style="list-style-type: none"> <li>➤ <b>Convener: Prof. Dr. Siniša OZIMEC</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Co-convener: Dr. Gabriel LUPU</b></li> </ul>
<ul style="list-style-type: none"> <li>11.45 - 12.00 Prof. Dr. Siniša OZIMEC, Dragan PRLIĆ</li> <li>12.00 - 12.15 Daniela HOLOSTENCU, Adela AMBROSIMOV, Elena TAFLAN</li> <li>12.15 - 12.30 Prof. Dr. Alexandru-Ionuț PETRIȘOR, Arh.-Urb. Liliana Elza PETRIȘOR</li> <li>12.30 - 12.45 Prof. Dr. Elchin Hafiz SULTANOV *</li> <li>12.45 - 13.00 Dr. Viktória MIKLÓSOVÁ *</li> <li>13.00 - 13.10 Dr. Manuela Sidoroff</li> </ul>	<ul style="list-style-type: none"> <li>Biodiversity monitoring in the Aljmaš floodplain near the Drava-Danube confluence (eastern Croatia)</li> <li>A glance on the molecular identification of Danube Delta aquatic macroinvertebrates</li> <li>Urban ecology: state-of-the-art in Romania</li> <li>The results of winter counts of birds in Azerbaijan in 2022 winter</li> <li>Case Study: Landscape management of the Little Danube</li> <li>DANUBIUS-RO, insights on implementation of european and regional strategies to sustain the development of transitional zones</li> </ul>
  - 13.10 - 14.30 - **Lunch & Networking**  
Venue: „Toma Caragiui” Conference Room - 2 Isaccei Street, Delta Hotel Tulcea
  - 14.30 - 16.30 - **Conservation of biodiversity in wetlands - endangered habitats and species, International Symposium**  
(Measures to ensure a favorable status of protection and conservation of habitats and endangered species in DDBR in an international context - Large Infrastructure Operational Program, Project code 123621)  
Venue: „Mihail Kogălniceanu” City Hall - 20 Păcii Street, Tulcea County Council
  - 14.30 - 15.30 - **EDAPHIC-BLOOM - Danube Delta Stakeholders Meeting**  
**- Green Deal Challenges - Decarbonising Danube Delta: 3D Initiative**

Parallel events



**Convener: Prof. Dr. Florin NEMȚEANU**

**Co-convener: Dr. Eng. Valeriu VILAG**

14.30 - 14.45 Magdalena-Andreea STRACHINESCU-OLTEANU

Mission Ocean of Horizon Europe - Work Programme 2022 and the Implementation Charter

14.45 - 15.00 Dr. Iuliana NICHERSU

Innovations in Regional Decarbonisation - 3D Working group strategy

15.00 - 15.15 Dr. Delia DIMITRIU, Dr. Emilia PECHEVA

Building a Framework towards Netzero Mobility in Danube Delta

15.15 - 15.30 **Discussions**

**Q & A**

- 15.30 - 15.45 - *Coffee break*

**Venue: Avramide HOUSE, 32 Progresului Street, Tulcea**

- 17.00 - 18.30 - **Posters presentations & PICO - Innovative business approaches & Coffee:**

Mihaela APOSTOL \*

New technologies to manage environmental challenges

Juergen RAIZNER,

Networking through Technology Transfer. Creating Synergies

Roxana - Ștefania

for Multiplying Forces when it comes to connect academic and

BOBORUȚĂ

business environment

Călin HUMA, Nicholas

Portsmouth Aqua UK

SCOTT

Emi Mihaela COȘERU

Support services for SMS's offered by IPA SA Bucharest - Galați Subsidiary / Enterprise Europe Network

- 19.00 - *Festive dinner*

✓ **June 03, 2022 (Friday)**

**Venue: „Mihail Kogălniceanu” City Hall - 20 Păcii Street, Tulcea County Council**

- 09.00 - 10.30 - **Keynote Speaker**

- **Bart FOKKENS:** The EU Biodiversity Strategy making river and wetland restoration mainstream (*Edaphic-Bloom Danube*)
- **Dr. Valeria ABAZA:** State of marine and coastal environment in 2021
- **Dr. Radu MUSCALU:** Exploitation of fish stock in artificial pools. Business management and planning in aquaculture

**Venue: „Toma Caragiu” Conference Room - 2 Isacsei Street, Delta Hotel Tulcea**

- 10.30 - 15.00 **ANADROM Conference**

**Venue: „Mihail Kogălniceanu” City Hall - 20 Păcii Street, Tulcea County Council**

- 10.30 - 11.00 - **Section II, Environmental factors. Ecological restoration and Anthropic Impact**

➤ **Convener: Dr. Radu MUSCALU**

➤ **Co-convener: Dr. Biol. Iuliana Mihaela TUDOR**

10.30 - 10.40 Dr. Ștefan RĂILEANU

Fires, ticks and epidemiological aspects in the spread of diseases to wild and domestic animals on the territory of the Danube Delta

10.40 - 10.50 Dr. Enikő Anna TAMÁS,  
Dr. Béla KALOCSA

Changes in the hydrological regime of the middle Danube reach and its implications on the lateral connectivity and the reconstruction of floodplains

10.50 - 11.00 Dr. Octavian PACIOGLU, \*  
Florin DUȚU, Ana B. PAVEL, Laura TIRON  
DUȚU

The influence of hydrology and sediment grain-size on the spatial distribution of macroinvertebrate communities in two submerged dunes from the Danube Delta

**Venue: „Dobrogea” City Hall - 20 Păcii Street, Tulcea County Council**

- 09.30 - 13.00 - **Parallel event: Organic, sustainable, regenerative agriculture practices in Danube Delta (EDAPHIC-BLOOM Danube)**



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

- 11.00 - 11.10 - **Coffee break**
- 11.10 - 11.40 - **Keynote Speaker**
  - **Prof. Dr. Costel NEGREI:** Evaluation of the Impact of the Royalty on the Fishery Resource (*EDAPHIC-BLOOM Danube*)
  - **Tunde KALLAI \*** : Climate-resilient low-cost measurement technologies and in-situ datasets for heterogeneous Earth systems
- 11.40 - 12.10 - **Section III, New Research approaches in EU climate change challenge. Neutral carbon 2050**
  - **Convener: Conf. Dr. Raluca Georgiana LĂDARU**      ➤ **Co-convener: Dr. Marian MIERLĂ**

11.40 - 11.50	Prof. Dr. Costin LIANU, Prof. Dr. Irina Gabriela RADULESCU, Drd. Cosmin LIANU	Decarbonization business models and challenges at the level of companies, farmers, business associations and clusters
11.50 - 12.00	Drd. Oliver LIVANOV	The organic carbon content from the Danube Delta soils. Results from the 2021 field campaign
12.00 - 12.10	Dr. Victoria MOCANU, Dr. Sorina DUMITRU, Dr. Cristian PĂLTINEANU	Assessing carbon sequestration and possible greenhouse gas emission within the Danube Delta soils
- 12.10 - 12.30 - **Keynote Speaker**
  - **Prof. Dr. Detlef GÜNTHER-DIRINGER:** ArcGIS Web Application of the Lower Danube / Danube-Delta (*EDAPHIC-BLOOM Danube*)
- 12.30 - 13.00 - **Sect IV, Geographical Information System and Application System Modeling**
  - **Convener: Prof. Dr. Detlef GÜNTHER-DIRINGER**      ➤ **Co-convener: Drd. Cristian TRIFANOV**

12.30 - 12.40	Dipl.-Ing. (FH) Konrad BERNER	VR-application of planned dike-opening
12.40 - 12.50	Dr. Svetlana SEGĂRCEANU, Dr. Romulus CHEVERESAN	Acoustic detection of Danube Delta bird species in the framework of SMARTSENSE project
12.50 - 13.00	Adrian PASAT	PIMEO AI - a platform for environmental monitoring of the aquatic sensitive environments
- 13.00 - 14.30 - **Lunch & Networking**

[Venue: „Toma Caragiu” Conference Room - 2 Isacsei Street, Delta Hotel Tulcea](#)

- 14.30 - 15.30 - **Conservation of biodiversity in wetlands - endangered habitats and species, International Symposium** (Measures to ensure a favorable status of protection and conservation of habitats and endangered species in DDBR in an international context - Large Infrastructure Operational Program, Project code 123621)

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

- 14.30 - 16.00 - **Invasive Alien Species Observatory Network - IASON International Conference**
- 16.00 - 16.10 - **Coffee break**
- 16.10 - 17.45 - **EDAPHIC-BLOOM DANUBE, Danube Delta Stakeholders Meeting - Green Deal Challenges - Decarbonising Danube Delta: 3D Initiative**
  - **Convener: Dr. Delia DIMITRIU**      ➤ **Co-convener: Dr. Iuliana NICHERSU**

16.10 - 16.20	Prof. Dr. Margarida COELHO *	Challenges and opportunities for a smart and sustainable mobility in Port cities
16.20 - 16.30	Prof. Dr. Liana CIPCIGAN	Decarbonising transport through electrification
16.30 - 16.40	Teodor FROLU	Soft mobility in Danube Delta - solution for sustainable



16.40 - 16.50	Dr. Iulian NICHERSU	development
16.50 - 17.00	Dr. Eng. Valeriu VILAG	3D - Agriculture Pillar
17.00 - 17.10	Ana BRĂILEANU	3D Energy - Capturing existing knowledge for future initiatives aimed at meeting local Danube Delta needs
17.10 - 17.20	Dr. Raluca NICOLAE	Climate change mitigation: the role of circular economy in Danube Delta to reduce carbon footprint in several sectors
17.20 - 17.30	Valentin MOLDOVEANU	The impact of climate change on the biodiversity components in the Danube Delta
17.30 - 17.40	Dr. Iuliana NICHERSU	3D Cross - Cutting Priorities
	<b>Discussion</b>	DTC Network for strategic exploitation & networking - key to fostering a stronger Danube Innovation ecosystem
		<b>Q&amp;A</b>
• 17.45 - 18.15	- <b>Roundtable of debates:</b> <b>„Pharmaceuticals vs. water quality”</b> Dr. Adrian BURADA Assoc. Prof. Dr. Viktória CZUPPON CSIZMADIÁNE Dr. Cristina DESPINA, Daniela SECELEANU-ODOR, Mihaela ȚIGĂNUȘ, Drd. Orhan IBRAM, Dr. Iuliana-Mihaela TUDOR, Dr. Marian TUDOR	Traceability of pharmaceuticals Local economic development activities as a part of conservation Pharmaceutical residues in Danube Delta Biosphere Reserve - first results
• 18.15 - 18.30	- <b>Conclusions &amp; Awards</b>	
✓	<b>June 04, 2022 (Saturday)</b>	
•	9.00 - 19.00	- Field application in the Danube Delta Biosphere Reserve ( <i>EDAPHIC-BLOOM Danube</i> )
✓	<b>June 05, 2022 (Sunday)</b>	- Departure of participants

\* - online participation



## POSTERS:

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

- 1 Dr. Eng. Viorel CUZIC Contributions to the knowledge the avifauna of Oltina lake, Bugeac lake and Dunăreni lake nature reserves, Constanța county
- 2 Dr. Aurel NĂSTASE, IANI Marian, Dr. HONȚ Ștefan, Dr. PARASCHIV Marian, Dr. CERNIȘENCU Irina, COCIAȘ Ștefan, Dr. NĂVODARU Ion Preliminary data regarding fish fauna from freshwater of Danube Delta Biosphere Reserve
- 3 Dr. Lucian BOLBOACĂ, Dr. Alexandru-Cătălin DOROȘENCU, Dr. Mihai MARINOV, Marta PERAITA, Dr. Vasile ALEXE Habitat selectivity of breeding Red-footed Falcon (*Falco vespertinus*) in DDBR
- 4 Dr. Alexandru Cătălin DOROȘENCU, Dr. Lucian Eugen BOLBOACĂ, Dr. Mihai MARINOV, Dr. Vasile ALEXE, Marta PERAITA, Dr. Viorel CUZIC, Constantin ION, Laurențiu PETRENCU, Lucian FASOLĂ-MĂTĂȘARU, Vitalie AJDER, Vlad AMARGHIOALEI Breeding population estimates of Common Goldeneye (*B. c. clangula*) (Palmer 1976, Bellrose 1980) in Danube Delta Biosphere Reserve
- 5 Marta PERAITA, Dr. Alexandru Cătălin DOROȘENCU, Dr. Lucian Eugen BOLBOACĂ, Dr. Mihai MARINOV, Dr. Vasile ALEXE, Dr. Viorel CUZIC, Iuliana POȘTARU, Ana Mirela SCIOTNIC Brief analysis of the bird species recorded in the Danube Delta Biosphere Reserve and their phylogenetic relationships
- 6 Dr. Gabriel CHIȘAMERA, Dr. Mihai MARINOV, Dr. Viorel POCORA, Dr. Vasile ALEXE, Dr. Lucian-Eugen BOLBOACĂ, Dr. Alexandru - Cătălin DOROȘENCU New data on the distribution of Pine Marten - *Martes martes* and Beech Marten – *Martes foina* populations from Danube Delta Biosphere Reserve
- 7 Dr. Ioana COBZARU, Dr. Viorel Dumitru GAVRIL, Dr. Andreea CIOBOTĂ, Dr. Mihaela CIOBOTĂ, Dr. Cătălin Răzvan Stanciu, Dr. Gabriel Bogdan CHIȘAMERA Danube Delta Biosphere Reserve - an important stopover for tern migrations (Aves: Laridae). Insight from ringing-recovery database of the Romanian Ornithological Center
- 8 Prof. Dr. Constantin CIUBUC General presentation of the volume Carabidae from Romania
- 9 Drd. Silviu COVALIOV Natural vegetal resources of the Danube Delta territory - present status and trends
- 10 Dr. Gabriel LUPU, Dr. Mihai DOROFTEI, Drd. Silviu COVALIOV, Dr. Aurel NĂSTASE, Dr. Irina CERNIȘENCU, Dr. Alexandru DOROȘENCU, Dr. Lucian BOLBOACĂ, Dr. Mihai MARINOV, Dr. Vasile ALEXE, Eugenia MARIN, Dragoș BALAIKAN, Drd. Liliana ENE, Diana BOTA, Dr. Ion NĂVODARU Status of biodiversity, habitats, sustainable exploitation of natural resources and socio-economic implications in Danube Delta Biosphere Reserve in 2020

### II. Environmental factors, Ecological Restoration & Anthropic Impact

- 1 Dr. Andra-Cosmina ALBULESCU Mapping over 80 years of wetland sensitivity to human intervention. The spatial dynamics of the lakes and wetlands of the Jijia-Iași Wetlands Ramsar Site in 1935-2018
- 2 Dr. Corneliu Mihăiță POHONȚU Chronic and acute exposure to landfill leachate on zebrafish model used as bioindicator in polluted aquatic ecosystems
- 3 Iasemin SULIMAN Zooplankton and Water quality of Carasuhat and Zaghen Wetlands, Danube Delta Biosphere Reserve
- 4 Dr. Teodora Ramona PINTILIEASA Actual state of fish communities in the lower basin of Bistrița river (2021), Romania
- 5 Daniela SECELEANU-ODOR The seasonal distributions of N fractions in the main lakes of the Danube Delta Biosphere Reserve between 2019-2021
- 6 Drd. Elena Daniela PANTEA, Dr. Daniela Effect of the environmental conditions on biochemical composition and





- Mariana ROȘIORU, Prof. Dr. Natalia ROȘOIU condition index of *Mytilus galloprovincialis* (Lamarck, 1819) from the Romanian Black Sea coast
- 7 Dr. Irina CATIANIS, Drd. Gabriel IORDACHE, Hydro-chemical characteristics of lakes in the southern part of the Rusca-Gorgova-Uzlina inter-distributary depression, Danube Delta, Romania
- 8 Dr. Adriana Maria CONSTANTINESCU, Dr. Laura TIRON DUȚU, Eng. Dumitru GROSU BSB ECO MONITORING BSB MONITORING - Joint Monitoring for Environmental Protection in BSB countries - Project Number: BSB-884
- 9 Drd. Silviu COVALIOV Bioaccumulation of heavy metals in fish species from Danube Delta
- Orhan IBRAM

#### IV. Geographical Information System and Application System Modeling

- 1 Dr. Valentin PANAIT New data about the evolution of the Murighiol-Dunavăț area reflected in old cartographic materials and by modern remote sensing techniques
- 2 Gabriel IORDACHE, Irina CATIANIS, Adriana Maria CONSTANTINESCU Identification and spatial distribution of emergent aquatic vegetation of lakes in the northern part of the Rusca-Gorgova-Uzlina inter-distributary depression, Danube Delta, Romania
- 3 Drd. Cristian TRIFANOV Some morphodynamic aspects concerning the meandred river section of the St. Gheorghe's arm from the Danube Delta Biosphere Reserve
- 4 Drd. Anca CRĂCIUN Flood susceptibility in Danube Delta using GIS and multicriteria decision-making analysis
- 5 Drs. Marcel ROMPELMAN Applying the principles of the circular economy for the tailings dump in the Vărăria area, Tulcea

#### IASON project:

- 1 Assist. Prof. Dr. Spyros TSIFTSIS Invasive Alien Species along Nestos river: current status and preliminary results of the monitoring actions
- 2 Drd. Silviu COVALIOV, Dr. Mihai DOROFTEI The most common alien invasive plant species of Danube Delta Biosphere Reserve territory
- 3 Dr. Yuriy KVACH, Dr. Viktor DEMCHENKO, Dr. Yuliia KUTSOKON, Dr. Volodymyr YURYSHYNETS The Chinese sleeper (*Perccottus glenii*) distribution in the Ukrainian part of the Danube Delta and perspectives of the post-invasion spread
- 4 Dr. Mikhail SON, Dr. Olena BONDRENKO, Dr. Vasyl DYADICHKO, Dr. Yuriy KVACH Preliminary results of IASON Project alien aquatic invertebrate surveys in the Ukrainian Danube Delta
- 5 Dr. Oleksandr HAIDASH, Maksym YAKOVLEV Results of monitoring of invasive species of mammals and reptiles in the Ukrainian part of the Danube Delta
- 6 Dr. David TSISKARIDZE, Dr. Guranda MAKHARADZE Invasive Alien Species Observatory and Network Development for the Assessment of Climate Change Impacts in Georgia (Kolkheti and Chorokhi Delta)
- 7 Dr. Rafet Çağrı ÖZTÜRK, Dr. Mehmet AYDIN, Dr. Coşkun ERUZ, Dr. Fatma Tellî KARAKOÇ, Dr. Ahmet ŞAHİN, Dr. Hacer SAĞLAM, Dr. İlknur KURT, Dr. Muzaffer FEYZİOĞLU, Dr. Yahya TERZİ, Dr. Nurettin BAŞKAN Invasive and Alien Fish Species in Kizilirmak Deltaic Area
- 8 Gabriela MOROZOV, Gabriela CREȚU, Fănica BAȘCĂU Danube Delta Biosphere Reserve Authority's Experience in the IAS Management
- 9 Dr. Gabriel LUPU, Drd. Silviu COVALIOV, Matei SIMIONOV, Raluca (BOZAGIEVICI) CĂLIN Invasive Alien Species from the Danube Delta representative for the phenomenon of invasiveness
- 10 Dr. Gabriel LUPU, Drd. Silviu COVALIOV, Matei SIMIONOV, Raluca (BOZAGIEVICI) CĂLIN IASON Project - Invasive Alien Species Observatory and Network Development for the Assessment of Climate Change Impacts in Black Sea Deltaic Protected Areas