



Black Sea nature conservation networks to support the European Blue Schools initiative

Naturalis
Biodiversity
Center

Aleksandre Gogaladze

Black Sea Workshop
October 28, 2020

Outline

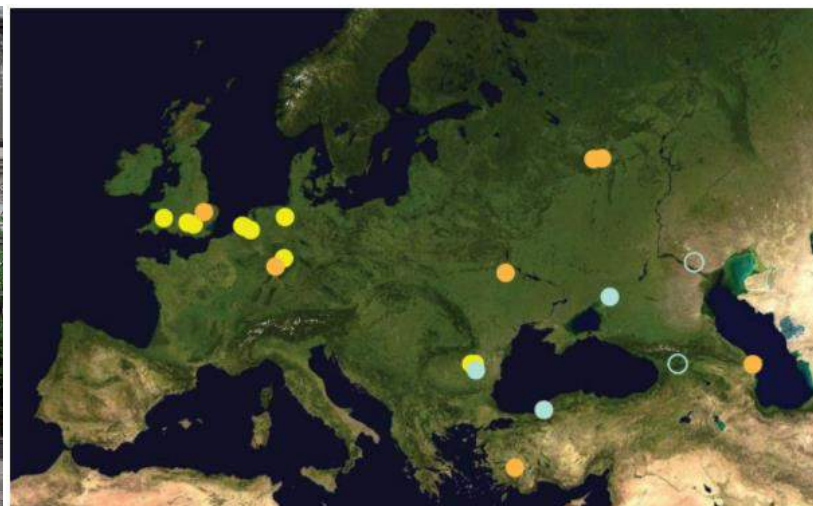
- ❑ My involvement with the Black Sea
- ❑ Relevant stakeholder networks
- ❑ Current initiatives and programs

The Background

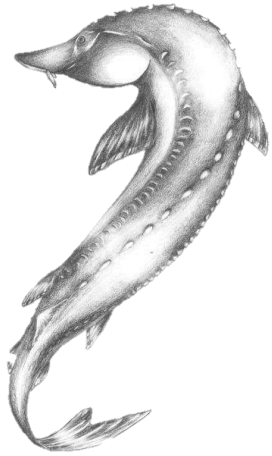


Grant Agreement number: 642973 – PRIDE – H2020-MSCA-ITN-2014

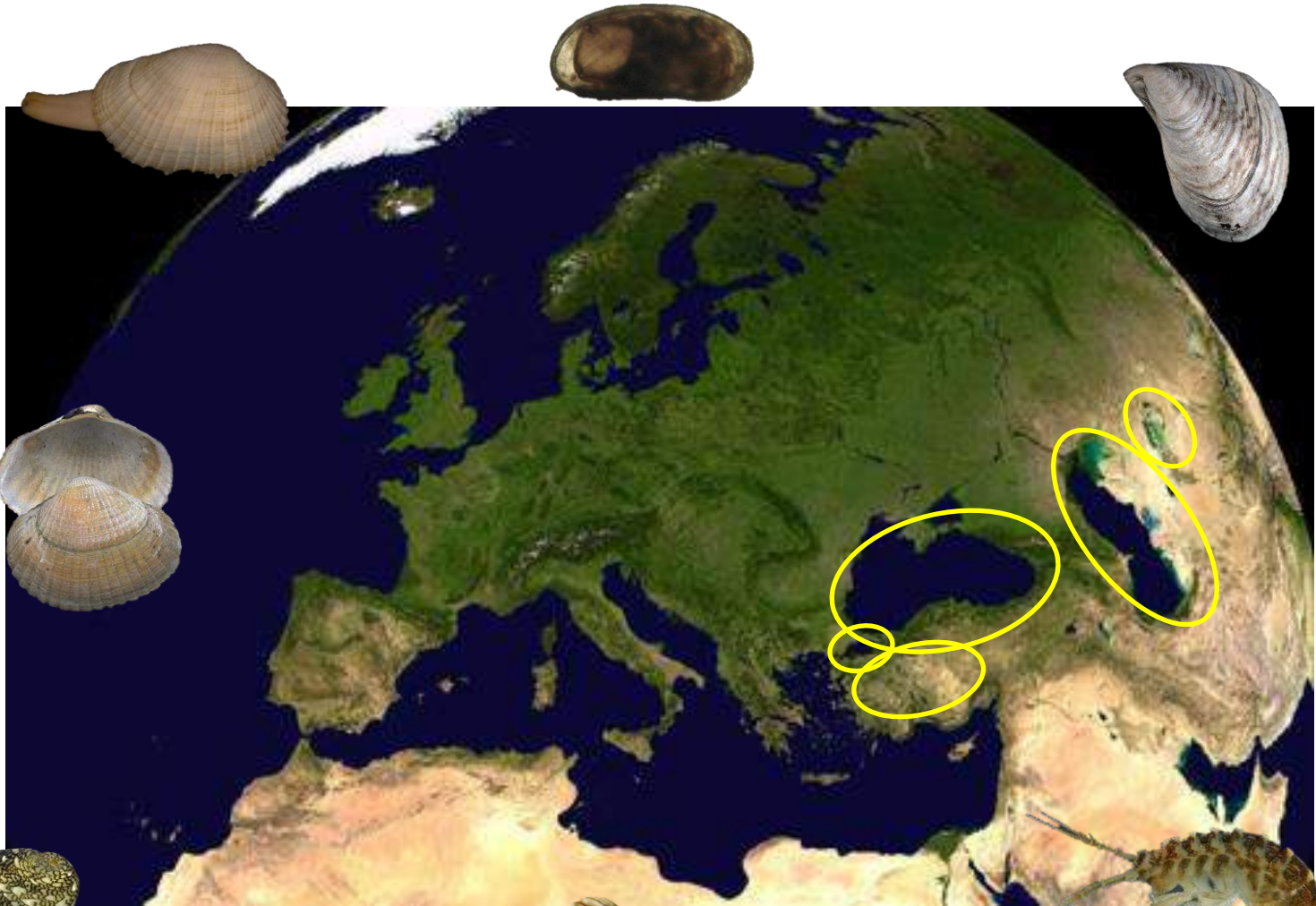
Program Director Dr. Frank P. Wesselingh



The Background



<https://www.deviantart.com/claudiaOruna/art/Huso-Huso-405060246>



<http://www.miseagrant.umich.edu/explore/native-and-invasive-species/species/fish-species-in-michigan-and-the-great-lakes>

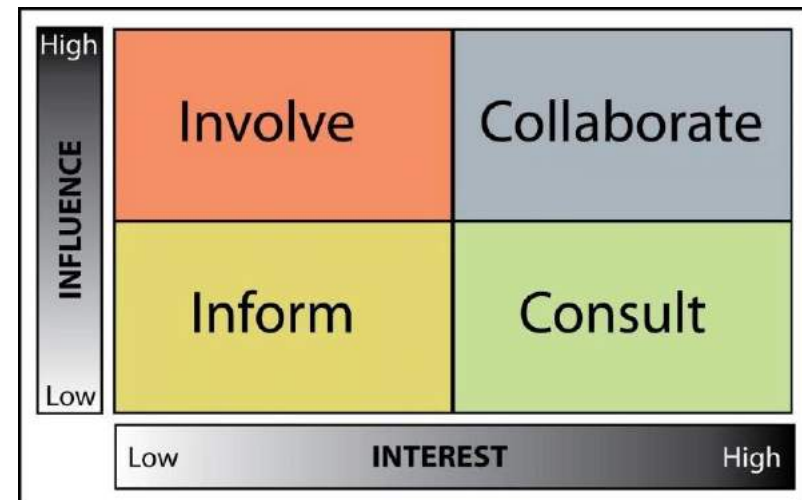
The Background

My role in PRIDE

- ✓ Stakeholder identification
- ✓ Liaison
- ✓ Development of outreach tools

Target stakeholders

- ✓ Pontocaspian scientific community (including scientists, and students)
- ✓ EU and Pontocaspian citizens with an interest in nature conservation
- ✓ Citizens in coastal areas of the Danube Delta in Ukraine and Romania
- ✓ Caspian Port authorities
- ✓ IUCN expert group on Mollusca



(Durham et al. 2014)

PRIDE Leaflet

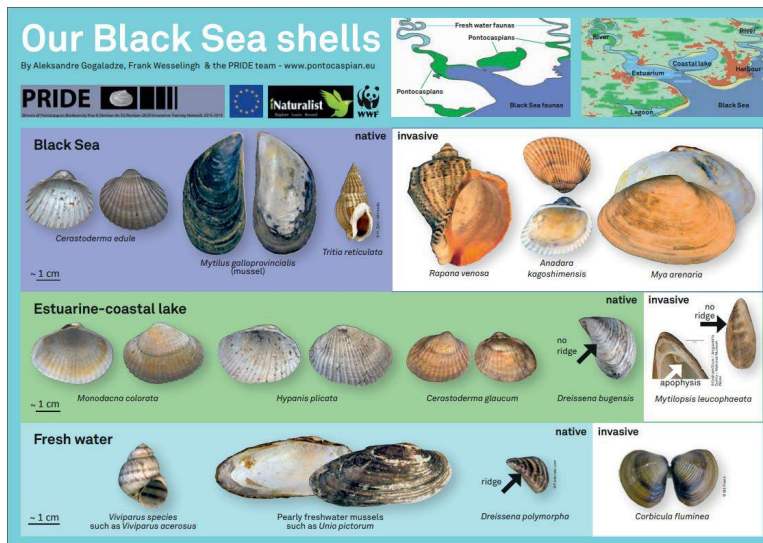
Citizens in coastal areas of NW Black Sea and the Danube Delta

Aim

- Awareness raising
- Citizen science for early detection

Target Groups

- Schools and universities
- Volunteers
- Active citizens







PRIDE Leaflet

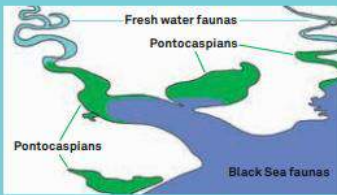
Available in 4 languages at <http://www.pontocaspien.eu/>


Our Black Sea shells







By Aleksandre Gogaladze, Frank Wesselingh & the PRIDE team - www.pontocaspien.eu















Drivers of Pontocaspian Biodiversity Rise & Decline: An EU Horizon 2020 Innovative Training Network 2015-2019





Black Sea	invasive
 <i>Cerastoderma edule</i> ~ 1 cm	 <i>Rapana venosa</i>
 <i>Mytilus galloprovincialis</i> (mussel)	 <i>Anadara kagoshimensis</i>
 <i>Tritia reticulata</i> native	 <i>Mya arenaria</i>

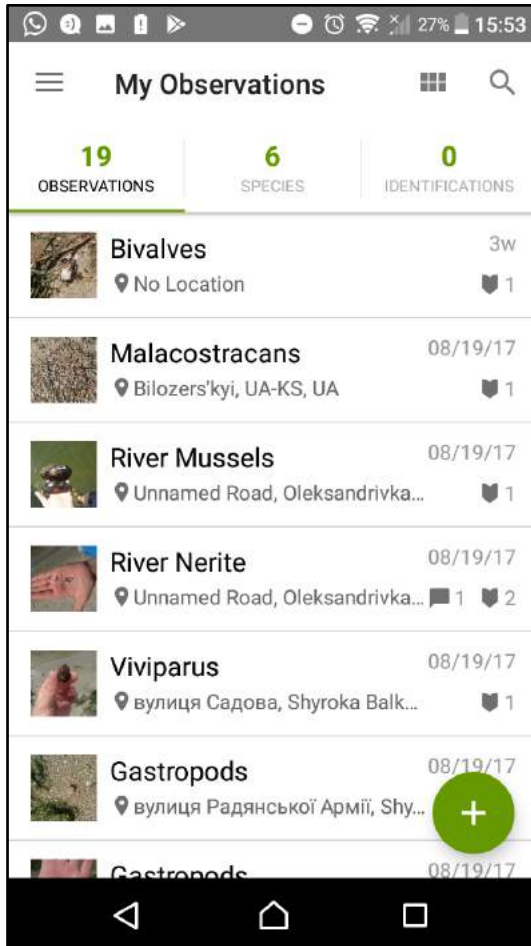
Estuarine-coastal lake	invasive
 <i>Monodacna colorata</i> ~ 1 cm	 <i>Mytilopsis leucophaeata</i> no ridge apophysis
 <i>Hypanis plicata</i>	 <i>Dreissena bugensis</i> no ridge
 <i>Cerastoderma glaucum</i>	

Fresh water	native	invasive
 ~ 1 cm <i>Viviparus</i> species such as <i>Viviparus acerosus</i>	 <i>Dreissena polymorpha</i> ridge	 <i>Corbicula fluminea</i>
 Pearly freshwater mussels such as <i>Anio pictorum</i>		

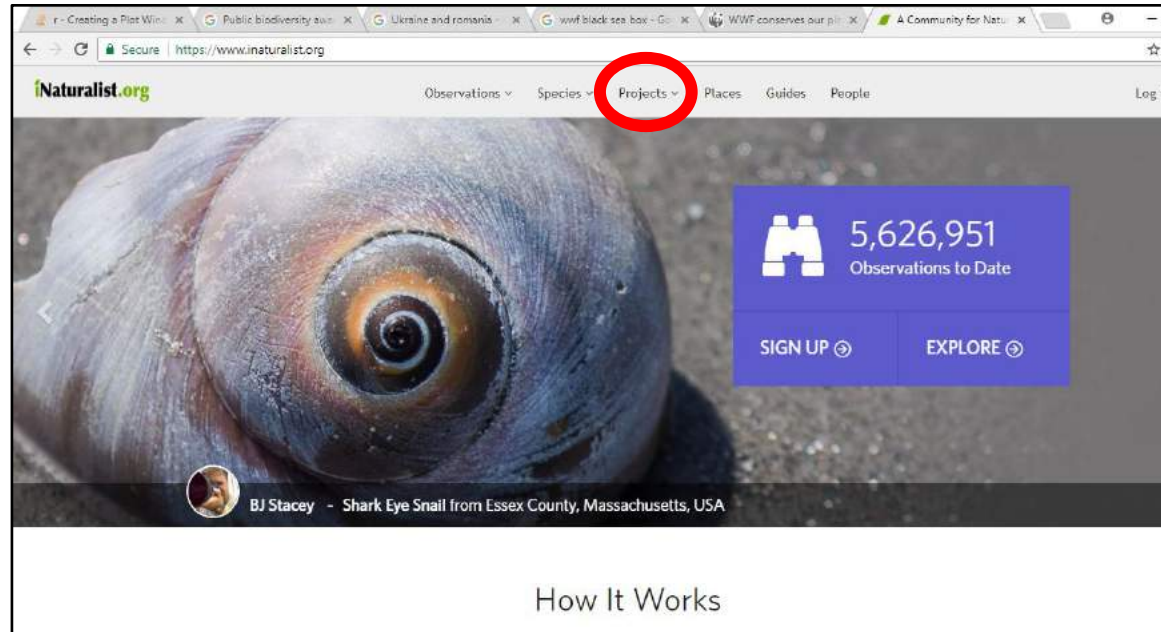
PRIDE Leaflet



iNaturalist App



iNaturalist website



Leaflet implementation

Members 13 members

Your membership 2 observations

Add from your observations
Download template for use in the bulk uploader

Export observations
Atom / KML / CSV

Usage stats

Project curator tools

- Find suitable observations
- Find unsuitable observations
- Export with private coordinates
- Filter by curator identification
- Identify observations

Journal

Your project journal is a tool for communicating with project members. You can use it to make announcements, set priorities, or talk about your project's findings.

To get started, [create a post](#) »

Current Assessments Add an assessment »

No assessments have been added to this project yet.

[View all assessments](#) »

About

Pontocaspian Biodiversity Rise and Demise (PRIDE) is a EU funded program. The research aim of the PRIDE program is to understand the drivers of past and present biodiversity change on the Pontocaspian biota in order to identify the causes, severity and future prospects of the current Pontocaspian biodiversity crisis. The program brings together 15 Early Stage Researchers with different ...more ↓

ADD OBSERVATIONS

Stakeholders in Romania

Identified stakeholders with large networks of volunteers

- Delphinariu Constanta
- WWF Romania
- Mare Nostrum
- Marine Biological Station of Agigea
- GeoEcoMar Constanta



Stakeholders in Ukraine

Identified stakeholders with large network of volunteers

- WWF in Ukraine
- Institute of Marine Biology
- Universities of Odessa Kherson and Mykolaiv
- Coastal protected areas



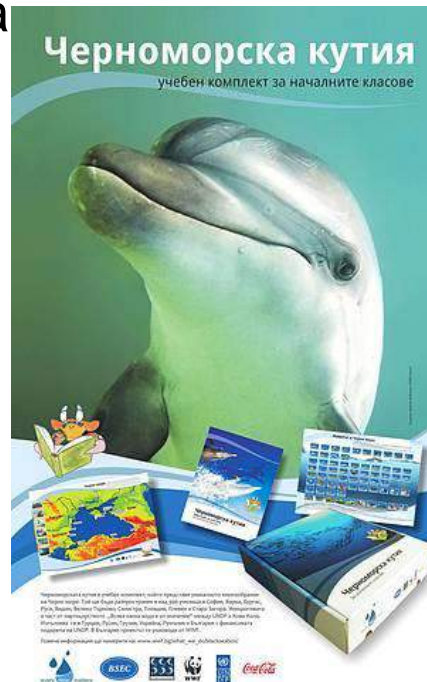
Programs and Initiatives

- **EU LIFE + programs; sturgeon watchers initiative**
- UN Black Sea Box
- Institute of Marine Biology program
- Coastal Protected areas network Ukraine and Romania



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- EU LIFE + programs; sturgeon watchers initiative
- UN Black Sea Box
- **Institute of Marine Biology summer school program**
- Coastal Protected areas network Ukraine and Romania

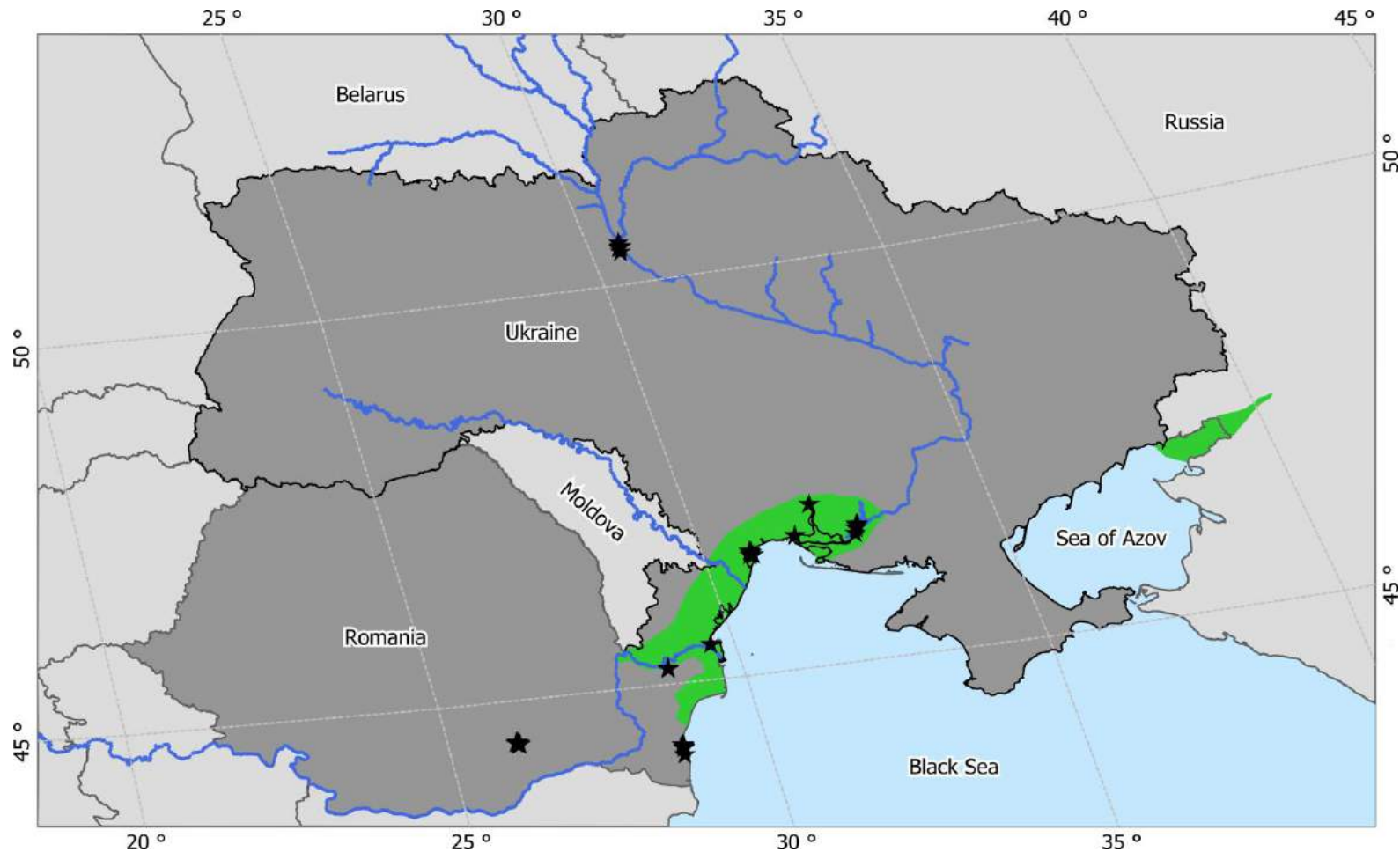


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More Stakeholders



(Gogaladze et al. 2020a, Gogaladze et al. 2020b)

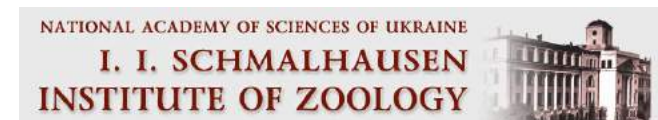


Acknowledgements

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- Mr. Razvan Popescu – Oceanic Club
- Ms. Mihaela Candea – Mare Nostrum
- Dr. Ana-Maria Krapal – Grigore Antipa Museum



- Dr. Mikhail O. Son – Institute of Marine Biology
- Prof. Dr. Vitaliy Anistratenko - Institute of Zoology
- Ms. Inna Goch - WWF Ukraine
- Ms. Natalia Gozak – NGO Ecoaction
- Ms. Kateryna Kurakina – WWF Ukraine/Rewilding Europe
- Ms. Tetiana Karpiuk - WWF Ukraine
- Tuzlovski Lagoons National Park Team





Thank you for your attention
Questions?

