



Students work overview on sturgeon research in Georgia

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Us:





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With great support from Fauna & Flora Caucasus and national and international organizations.

Sturgeon Research in Georgia

- Which species remain?
- What is their population state?





Beridze, Boscari et al., 2021

Field Work activities

- River morphology studies
- Egg and Larvae fishing
- Fishing for juveniles
- Sampling benthic macroinvertebrates

Methods

Larvae/Drift net

Trammel net fishing-Stationary method

Trammel net fishing-Seining method

benthic sampling-Van Veen Grab





Genetic studies

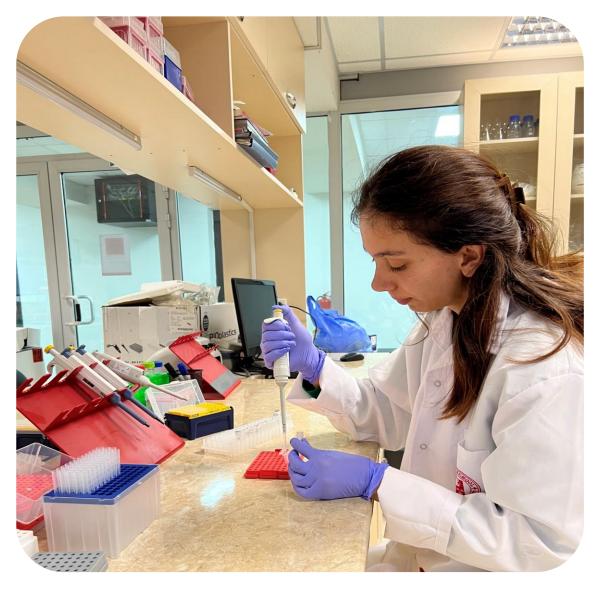
- ➤ Mitochondrial DNA sequencing
- > Hybrid detection markers
- > Sturgeon sex identification
- Population studies
- > Environmental DNA studies



Russian sturgeon in Georgia

- Distribution mapping
- Sex ratio
- Hybridization





Russian sturgeon in the eastern Black Sea basin, Georgia, Oryx

Results

- Four species identified



Black Sea Black Sea/Rioni River 2. Stellate sturgeon (*Acipenser stellatus*) 1. Beluga (*Huso huso*) 3. Russian sturgeon (*A. gueldenstaedtii*) 5. Non-native Siberian Sturgeon (*A. baerii*)



Our findings:





Interspecific hybridization in the Rioni River, Conservation Genetics

Ship sturgeon rediscovered in the Rioni River in Georgia." Oryx, Diversity





Wild versus Commercial sturgeon in Georgia, Diversity

eDNA for sturgeon monitoring in Georgia Metabarcoding & Metagenomics



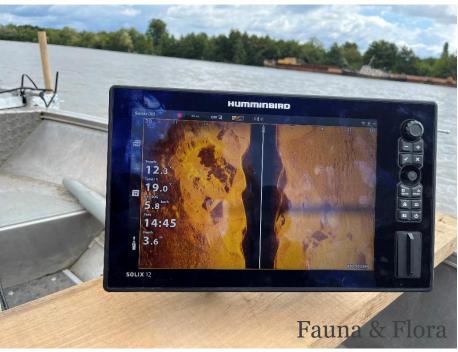
Future Plans

CERTAINSSaving Nature Together

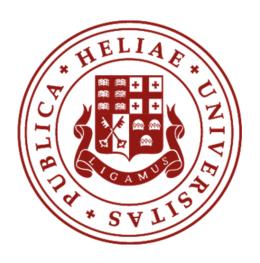
Increase capacity and apply new methods supported by Fauna & Flora Caucasus :

- ➤ Side Scan Sonar survey
- ➤ Acoustic telemetry





Our work is supported

















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