

ArKoNaVera

Implementation of regional protective measures and development of a new national conservation program for the priority species: Freshwater pearl mussel (*Margaritifera margaritifera*) and Painter's mussel (*Unio pictorum*)

Aims:

- Stabilisation of freshwater (river) mussels
- Restoration of their self reproduction
- Protection of their genetic diversity



Margaritifera margaritifera



Unio pictorum



Running water (project region)

Gemeinsam gefördert durch das
BMUB/BFN und BMBF:

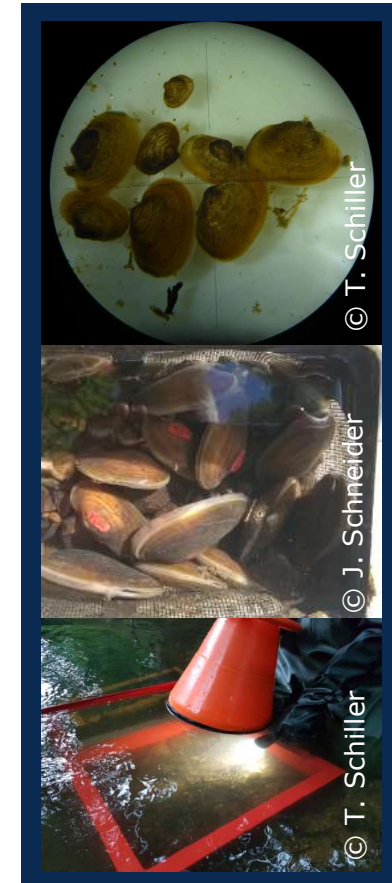
FKZ: 01LC131A-D und 3514685E13-I13

Methods:

- Breeding program for freshwater mussels
- Identification of suitable mussel habitats (e.g. abiotic, biotic, chemical & hydrological parameters, bed substrate quality)
- Habitat optimisation activities (including land purchase or exchange)
- Mussel resettlement
- Stock monitoring & evaluation of resettlement
- Genetic analysis
- Identification of essential components of mussel diet (e.g. DNA-Metabarcoding, stable isotopes, growth experiments)
- Decision making tool as guideline for authorities
- Public relations



Synthesis of research and practical implementation for successful mussel conservation



Research partners



Implementation partners