

Inn

Germany

Assess solutions for connectivity in a major Danube tributary

Aim

- Combined assessment of multiple restoration sites (holistic approach)
- Improve migratory fish habitats and populations in alpine rivers
- Guidance for restoring critical habitats and migration corridors
- Improve future decision-making

Output

- Evidence from large-scale case study with multiple measures
- Recommendations for planning and maintaining positive restoration effects

Addressed Issues

- Improve longitudinal and lateral connectivity (Danube–Inn system, Germany)
- Assess functionality of fishways, backwaters, and tributary connections

Investigation Area

- River Inn, Germany (approx. 200 km length)
- Focus: Confluence with Danube (mean discharge: 741 m³/s)

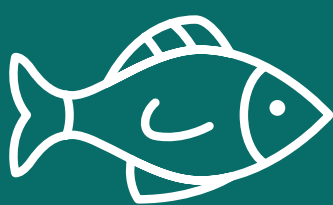
Implemented Measures

- Fishways at each hydropower station (technical and nature-like designs)
- Barrier removal to restore lateral connectivity
- Restoration of key habitats (e.g., spawning grounds, juvenile areas)

Stakeholders

- Hydropower companies (e.g., Verbund Innkraftwerke GmbH)
- Angling clubs, governmental institutions (water, fisheries, nature conservation)
- Established stakeholder communication platform

target species



 **14** Present species
 **5** Missing but expected species

Anadromous species	Acipenseridae	
	<i>Huso huso</i>	
	<i>Acipenser gueldenstaedtii</i>	
	<i>Acipenser stellatus</i>	
	Clupeidae	
	<i>Alosa immaculata</i>	
	<i>Alosa tanaica</i>	
	Salmonidae	
Potamodromous species	<i>Salmo labrax</i>	
	Acipenseridae	
	<i>Acipenser nudi-ventris</i>	
	<i>Acipenser ruthenus</i>	
	Cyprinidae	
	<i>Pelecus cultratus</i>	
	<i>Vimba vimba</i>	
	<i>Chondrostoma nasus</i>	
	<i>Barbus barbus</i>	
	<i>Rutilus virgo</i>	
	<i>Leuciscaus aspius</i>	
	<i>Leuciscus idus</i>	
	<i>Cyprinus carpio carpio</i>	
	<i>Ballerus ballerus</i>	
	Salmonidae	
	<i>Hucho hucho</i>	
	<i>Thymallus thymallus</i>	
	Percidae	
	<i>Zingel zingel</i>	
	<i>Zingel streber</i>	
	<i>Gymnocephalus schraetser</i>	



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