



Visibility	Visibility	Public
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Identification	Title	sturgeons distribution genetics DDBR marine
	URL	dataportal.aquacross.eu/dataset/sturgeons_distribution_genetics_ddbr_marine
	Abstract	The NW Black Sea basin supports sympatric population of beluga (<i>Huso huso</i>), stellate sturgeon (<i>Acipenser stellatus</i>) and Russian sturgeon (<i>A. gueldenstadetii</i>). These ecologically similar fish exhibit varying life strategies during their extended juvenile period and appear to overlap at some stages within the marine coastal waters. The aim of the study was to assess the distribution and genetic diversity of sturgeons feeding in the Black Sea coastal area of the Danube Delta Biosphere Reserve (DDBR) during 2012. A total number of 76 sturgeons (70 stellate, 5 beluga and 1 Russian sturgeon) were captured during three fishing expeditions along the Romanian Black Sea coast of the DDBR using two fishing methods: active (pelagic trawling) and passive fishing (bottom set trammel nets). A high number of stellate sturgeons were captured in Sahalin and Zatoane areas highlighting their importance as feeding sites for all life stages of this species. Capturing of only 5 beluga sturgeon specimens suggested that coastal waters are less important feeding areas for this species. Genetic diversity of stellate and beluga sturgeons was assessed by PCR-RFLP of mtDNA D-loop region. Six out of ten composite haplotypes were detected in stellate sturgeons and two composite haplotypes in beluga sturgeons. Further studies on the dynamics of sturgeon population, on behavioural and ecological factors influencing the seasonal distribution are prerequisite for improved management and sustainable use of these resources of the Black Sea.
	Creation date	2013-01-29
	Publication date	2013-13-10
	Last revision date	2013-06-28
	Lineage	The work is based on the data gathered during field-investigations carried out in April - September 2012 period, respectively on the results of the analyses of historical data.
	Related publications	
	Limitations on public use	No limitations
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Keywords	Free keywords	Biota, Species distribution, Sturgeons, Danube Delta Biosphere Reserve, Black Sea, Romania
	Vocabulary title	
	Vocabulary date	
	Vocabulary date type	
Classification	Topic category	Biota
	INSPIRE theme	Species distribution



Spatial Information	Resource type	
	Spatial representation type	
	Projection	
Spatial extents	Case Study 3 . Danube River Basin	
	North	50.24
	South	42.08
	East	29.76
	West	8.15
Temporal extents	Individual date	
	Start date	1912-04-02
	End date	2013-06-28
Distribution	URL	http://dataportal.aquacross.eu/dataset/bf6f98da-65f8-4f1e-8b6d-6fa83acc7a0b/resource/4f80ce5a-ae91-419a-b1b5-b743c616b4e6/download/20170913holostencoet4colab2013sturgeonsdistributionandgeneticsddbr.pdf
	Name	sturgeon distribution and genetics DDR marine areas
	Format	.pdf