

EIA "Scoping,, Case Example 1

Hydro-power plant MOKRICE



This Project is funded by the European Union



Project implemented by Human Dynamics Consortium

Description of the Project

- A river dam and connecting dams.
- 11 km long accumulation pool with cca 2.030.000 m² surface area.
- An engine room with 3 turbines (3 x 129.97 GWh).
- 10,5 km of a 2 x 110 kV power line.
- Almost 10 km of anti-flood regulations (e.g. dams, etc.).
- 0,5 km of connecting roads.
- A fish lane.



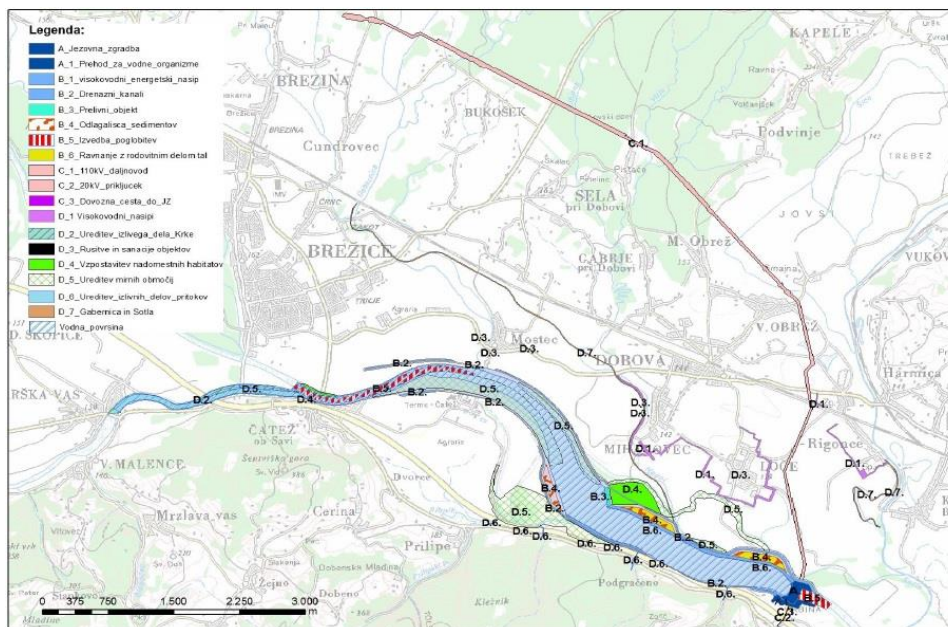
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Description of the Project

Environment and Climate
Regional Accession Network **ECRAN**



Scoping decisions

Environment and Climate
Regional Accession Network **ECRAN**

ENVIRONMENTAL TOPIC	CRUCIAL INFORMATIONS	SCOPING DECISION
CLIMATE CHANGE	<ul style="list-style-type: none"> Dealt with on SEA level – mainly positive impacts. Change of micro-climate. 	NO
AIR	<ul style="list-style-type: none"> Air pollution during construction. 	YES
SOIL	<ul style="list-style-type: none"> Mostly agricultural and forest areas. Loss of natural resource – 230 ha of agricultural land. No existing soil pollution – pollution during construction. 	YES <i>Focused on natural resources aspect!</i>
SURFACE WATERS	<ul style="list-style-type: none"> Dams and Accumulation. Anti-flood constructions. Change of river-flow regime and river-dynamics. Sedimentation and erosion. 	YES <i>Focused on physical state of streams, changes in dynamics and floods!</i>



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Scoping decisions

ENVIRONMENTAL TOPIC	CRUCIAL INFORMATIONS	SCOPING DECISION
UNDERGROUND WATERS	<ul style="list-style-type: none"> Changes in the level of underground water – potential for pollution. 	YES
NOISE AND VIBRATIONS	<ul style="list-style-type: none"> Noise/vibration pollution during construction and maintenance. 	YES
ELECTRO-MAGNETIC RADIATION	<ul style="list-style-type: none"> Dealt with on SEA level – no new information. 	NO
LIGHT POLLUTION	<ul style="list-style-type: none"> Will increase light pollution. 	YES
WASTE	<ul style="list-style-type: none"> Will generate considerable amounts of construction waste and soil. Already prepared waste management plan with known deposition sites. 	YES



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Scoping decisions

ENVIRONMENTAL TOPIC	CRUCIAL INFORMATIONS	SCOPING DECISION
NATURE	<ul style="list-style-type: none"> Rich Flora and Fauna. 4 Natura 2000 sites. 11 sites of high natural value. 	YES
CULTURAL HERITAGE AND LANDSCAPE	<ul style="list-style-type: none"> 11 cultural heritage sites, objects and impact areas. 	YES
HUMAN HEALTH	<ul style="list-style-type: none"> In general dealt with on SEA level. Specific issues (i.e. noise...) dealt with through other topics. 	NO



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EIA "Scoping,, Case Example 2

Pumping station with regional water supply



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Project description

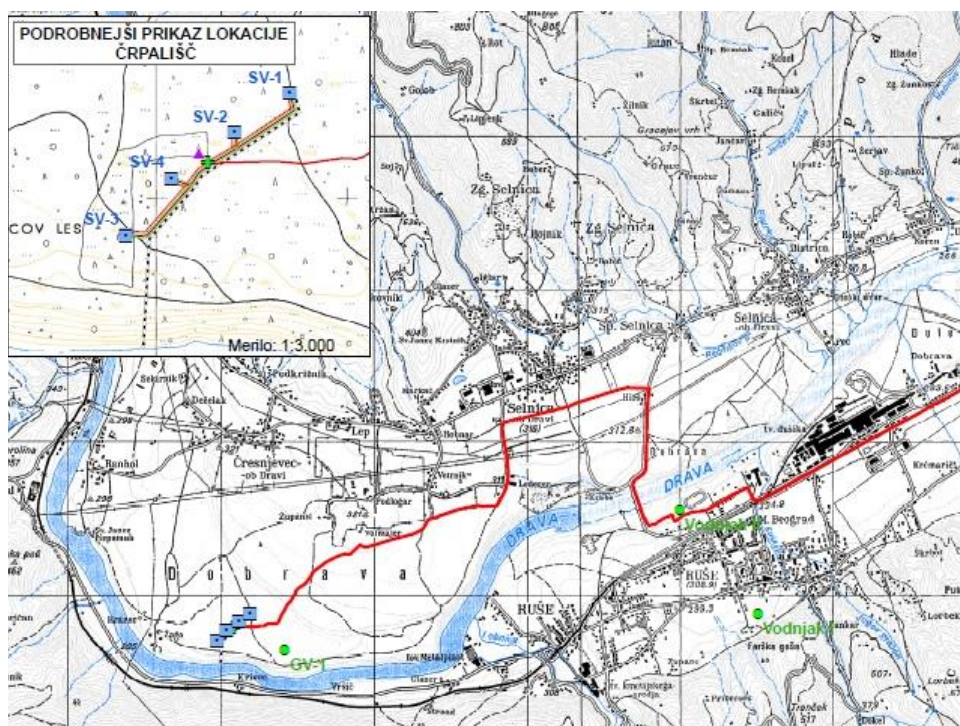
- Expansion of existing source of drinking water with 1 existing pumping station and predicted new 4 pumping stations - each with capacity 50 l/s.
- Regional water supply (14 km) + local water supply network (3 km).
- Water supply network was designed to mainly follow existing infrastructure corridors (e.g. roads, power-lines, etc.).



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Scoping

The main topics in the "scoping" stage:

- ✓ Elements of the environment: *air, soil, water, noise, waste*
- ✓ Nature: flora / fauna, Natura 2000, protected areas
- ✓ Society: Society, cultural heritage, landscape

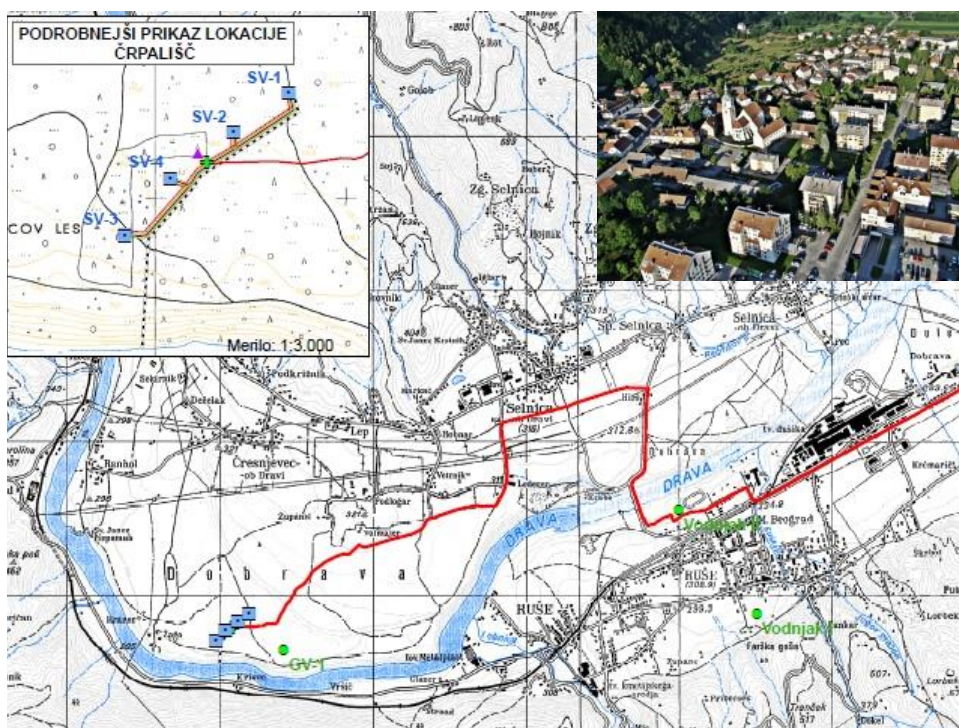
For this exercise we will focus on Noise, Natura2000 and Cultural heritage.



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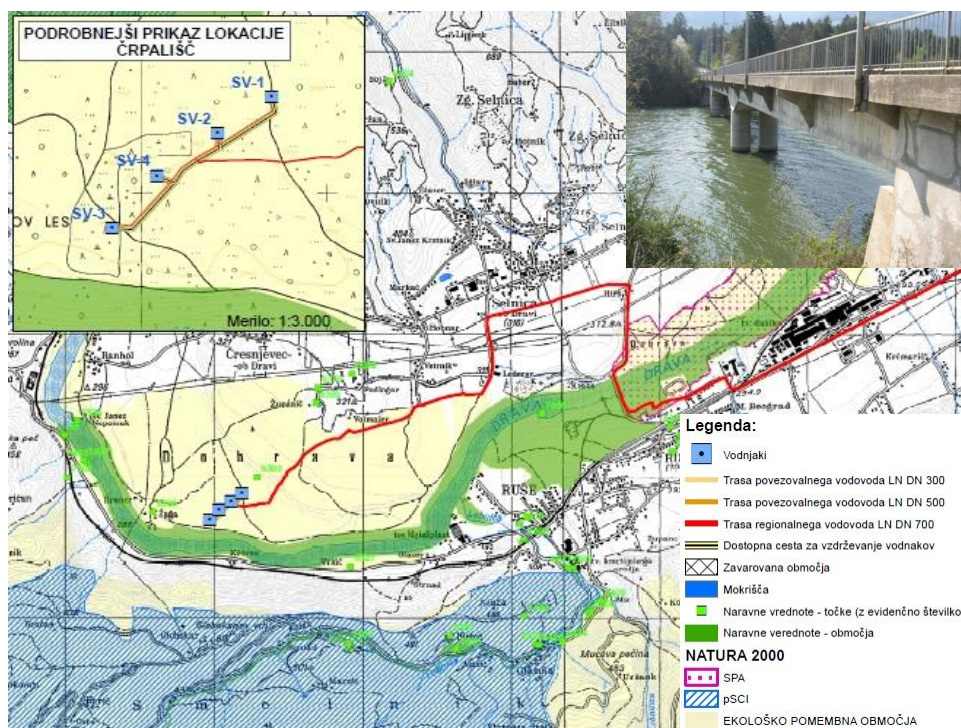
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Scoping

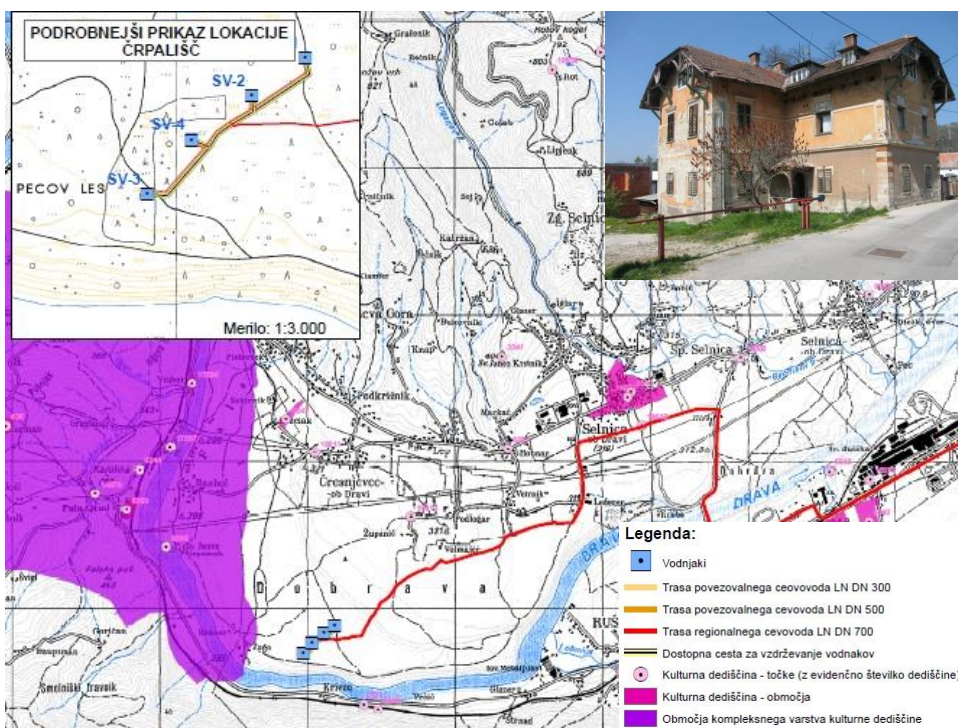
SEGMENT	POTENTIAL IMPACTS DURING CONSTRUCTION	POTENTIAL IMPACTS DURING WORKS	SCOPING DECISION
Noise	The noise caused by machinery and traffic in residential areas.	The noise caused by the pumping station. Noise caused during service and maintenance.	YES
Natura 2000			
Cultural heritage			



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SEGMENT	POTENTIAL IMPACTS DURING CONSTRUCTION	POTENTIAL IMPACTS DURING WORKS	SCOPING DECISION
Noise	The noise caused by machinery and traffic in residential areas.	The noise caused by the pumping station. Noise caused during service and maintenance.	YES
Natura 2000	PS - outside N2000 area. RW - within the N2000 areas, but uses existing transport corridor	No impact.	NO
Cultural heritage			



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Scoping

SEGMENT	POTENTIAL IMPACTS DURING CONSTRUCTION	POTENTIAL IMPACTS DURING WORKS	SCOPING DECISION
Noise	The noise caused by machinery and traffic in residential areas.	The noise caused by the pumping station. Noise caused during service and maintenance.	YES
Natura 2000	CS - outside N2000 area. RV - within the N2000 areas, but uses existing transport corridor	No impact	NO
Cultural heritage	PS - outside the field of cultural heritage. RW - goes through or near several buildings and areas of cultural heritage.	No impact.	YES