INTRODUCTION TO CASE EXAMPLES

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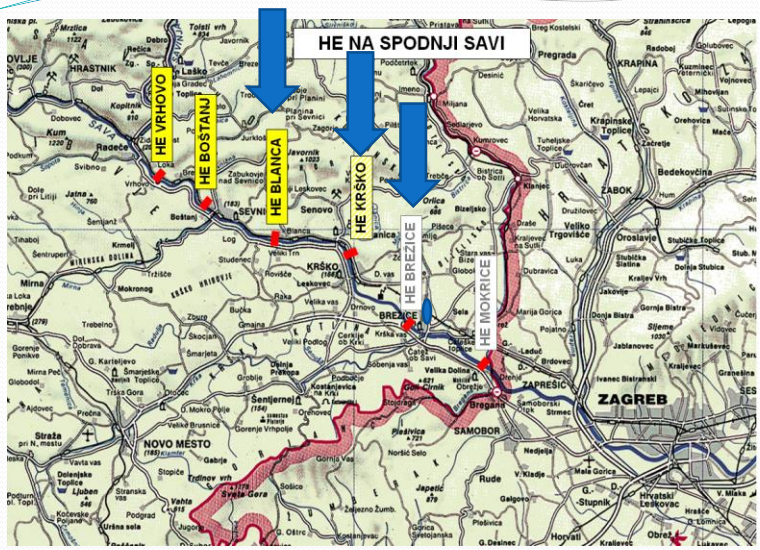
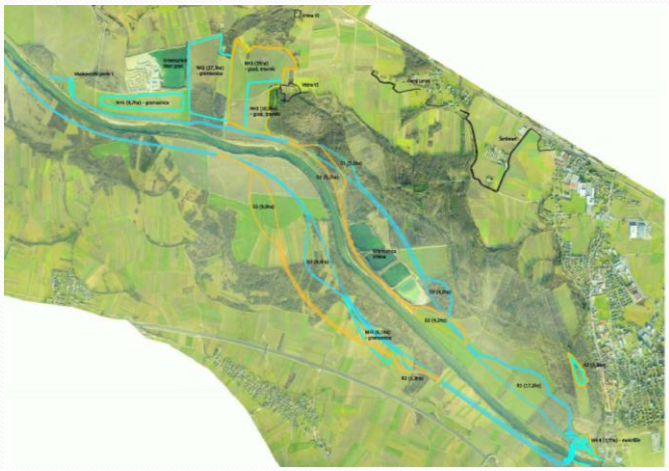
Introduction to site visit

- Hydropower plant Brezice in building
- Hydropower plant Krsko with emphasis to sanitation works
- Hydropower plant Blanca built
- with emphasis on presentation of fish lane



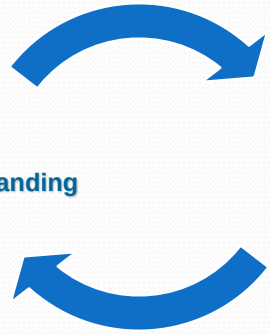
I. CASE Hydropower plant Brezice



Energy sector and environment

- **Biodiversity measures**
- **Environment is integrated part**
- **Transparency**
- **Public consultation**
- **More environmental capacities cooperating in the preparation**

understanding

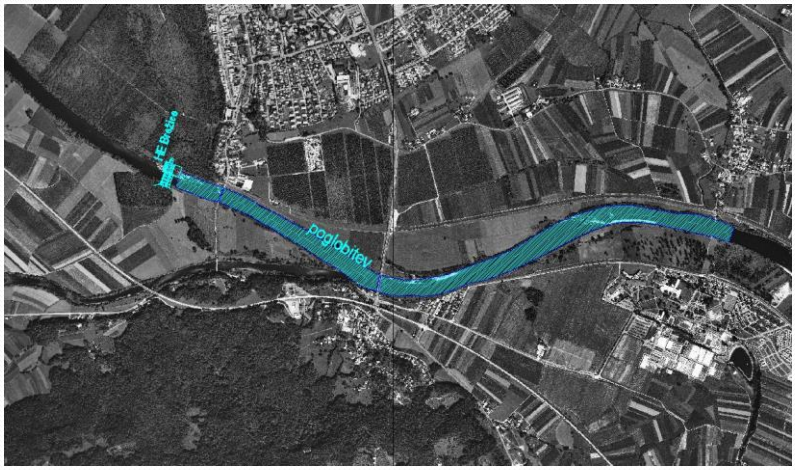


Some gaps: capacities/late beginning/ why SEA?

Main result/common result

Biodiversity measures
Environment is integrated part
Transparency
Public consultation
More environmental capacities coopin the erating preparation
Morfological status will be change, using Art 4.7 of Water Framewok Directive

Flood protection measures

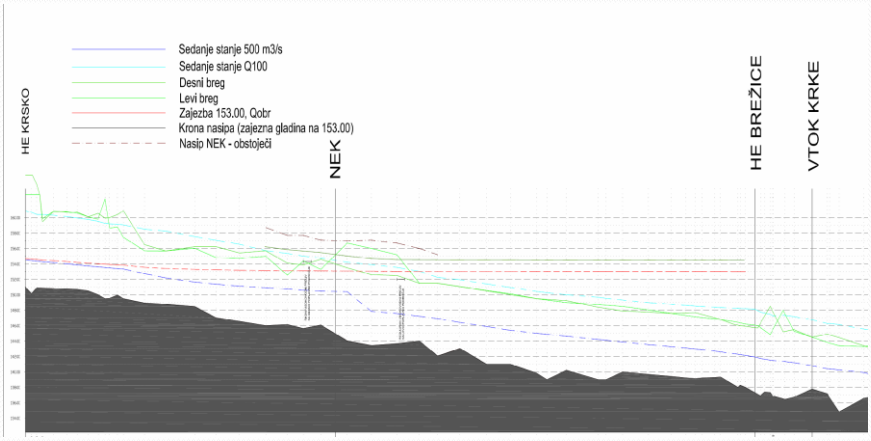


Alternatives

Initially, due to the gap in new spatial regulations, where alternatives are possible, but not obligation, a situation developed in which no alternatives have been taken into account for SEA at the beginning.

Required by environmental regulations, alternatives were included in elaboration of SEA, being after a while proposed by planners as well for the optimisation of performance.

Two broader areas of planned HPP were studied: reservoir and stretch of the river downstream from powerhouse.



Alternative scenarios for water reservoirs are traditionally focused on site and water table levels. Site limitations comprise geology and soil permeability, water table limitations comprise cost of infrastructure and property compensations including population replacement.

Few possibilities in finding alternative solutions in development of hydropower were further developed by biodiversity protection requirements.

Sites for mitigation measures as new habitats designing present a challenge to find and have to be often looked for in other river stretches or even watersheds.

RESERVOIR

Finally two alternatives of the reservoir were considered:

1. **Broad Reservoir embankments, designed in seventies;**
2. **Narrow Reservoir embankments with sub alternatives, designed in the SEA process**

In comparison with other developments, like roads, mines etc., reservoir alternatives show certain differences, according the economic outputs.

While function in most of the infrastructural projects is rarely impaired, in the case of reservoir planning it comes to a result which might be decreased due to the compensation of other interests as biodiversity.

CASE 2 Hydropowerplant Krsko

CASE 3 Hydropower plant Blanca

- THANK YOU !