

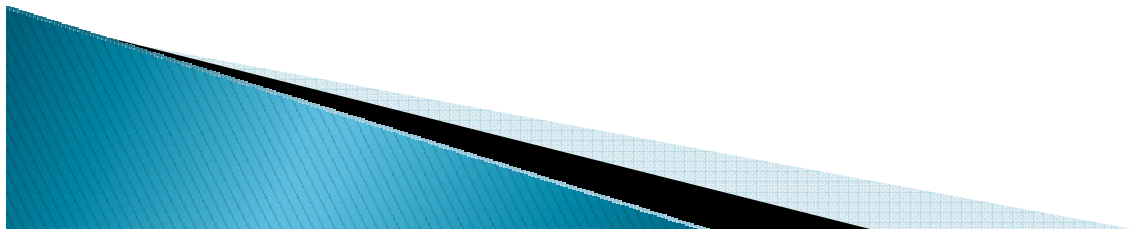
NERETVA RIVER CORRIDOR – TWO CASE STUDIES OF ECOSYSTEM SERVICES VALUATIONS

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ECONOMIC VALUATION –

INTRODUCTION

- ✓ First economic valuations of ecosystem services in B&H have been performed within WWf Project “Living Neretva”
- ✓ These valuations were result of the following:
 - It is very actual topic in world of environmental economy,
 - It is decision making tool for different ecosystems,
 - These values suppose to be included in all EU national economies (GDPs).



ECONOMIC VALUATION –

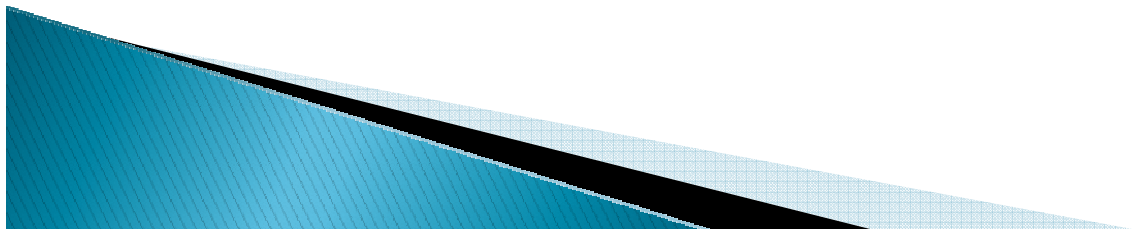
NERETVA CORRIDOR CASE STUDIES

- ✓ Economic valuations or assessments of ecosystem services have been made for two different ecosystems:
 - Pilot study - **Hutovo Blato** wetland and
 - **Bilećko jezero** (Bileća Lake).

- ✓ Definition used:

Ecosystem services are the benefits people have from ecosystem itself.

(Millennium Assessment 2005)



ECONOMIC VALUATION –

HUTOVO BLATO – WETLAND, NATURE PARK AND RAMSAR SITE

- ✓ **Hutovo Blato (mud) is a unique Mediterranean wetland in the delta of the Neretva river, which extends to 7441ha.**
- ✓ **In 1995 was declared as a Nature park.**
- ✓ **In 2,001 Hutovo blato was registered on the list of Wetlands of International Importance (Ramsar Convention).**

ECONOMIC VALUATION –

BILEĆKO JEZERO – BILECA LAKE, ARTIFICIAL RESERVOIR

- ✓ Bileća lake, on the river Trebišnjica in Bileća, is the largest artificial reservoir in the Balkans (Lake area is about 33 km², depending on water levels.)
- ✓ At the bottom of the lake is an abandoned village that was evacuated during the construction of hydroelectric power plants.
- ✓ The maximum depth of Bileća Lake is 104 meters and is located approximately at the 400 m above sea level.

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ECONOMIC VALUATION –

NERETVA CORRIDOR CASE STUDIES

GOALS

- ✓ Pilot Study Hutovo Blato:
 - To Assign an economic value to selected services,
 - To evaluate the contribution of selected services to local population and the direct beneficiaries, as well as wider community,
 - To express the value of ecosystem services as a key factor for sustainability of Hutovo Blato and
 - To create a tool for decision makers, to develop socially and environmentally acceptable and economically reasonable management strategy

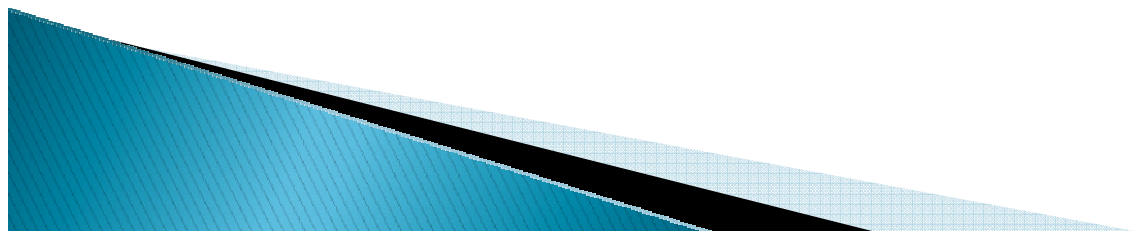


ECONOMIC VALUATION –

NERETVA CORRIDOR CASE STUDIES

GOALS

- ✓ Bilećko jezero (Bileća lake):
 - to provide economic information on specific ecosystem services ,
 - to estimate the contribution of these services to life of local stakeholders and the wider population,
 - to assist planners and politicians, to develop socially acceptable, environmentally and economically feasible strategy for the management of Bileća Lake accumulation.



ECONOMIC VALUATION –

NERETVA CORIDOR CASE STUDIES

SELECTED ECOSYSTEM SERVICES

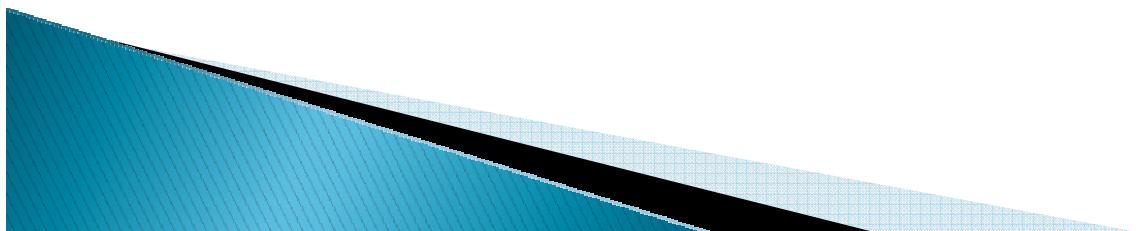
	Hutovo Blato	Bilećko jezero (Bileća lake)
1	Biodiversity; there is a danger of its reducing	Electricity production
2	Fishing; recreational and commercial	Drinking water
3	Tourism and recreational services	Flood protection and flow control
4	The river flows and flood; control role	Fisheries
5	Educational services	Irrigation
6		Tourism and recreational services
7		Biodiversity
8		Education and researches

ECONOMIC VALUATION –

NERETVA CORIDOR CASE STUDIES

CALCULATION METHODS

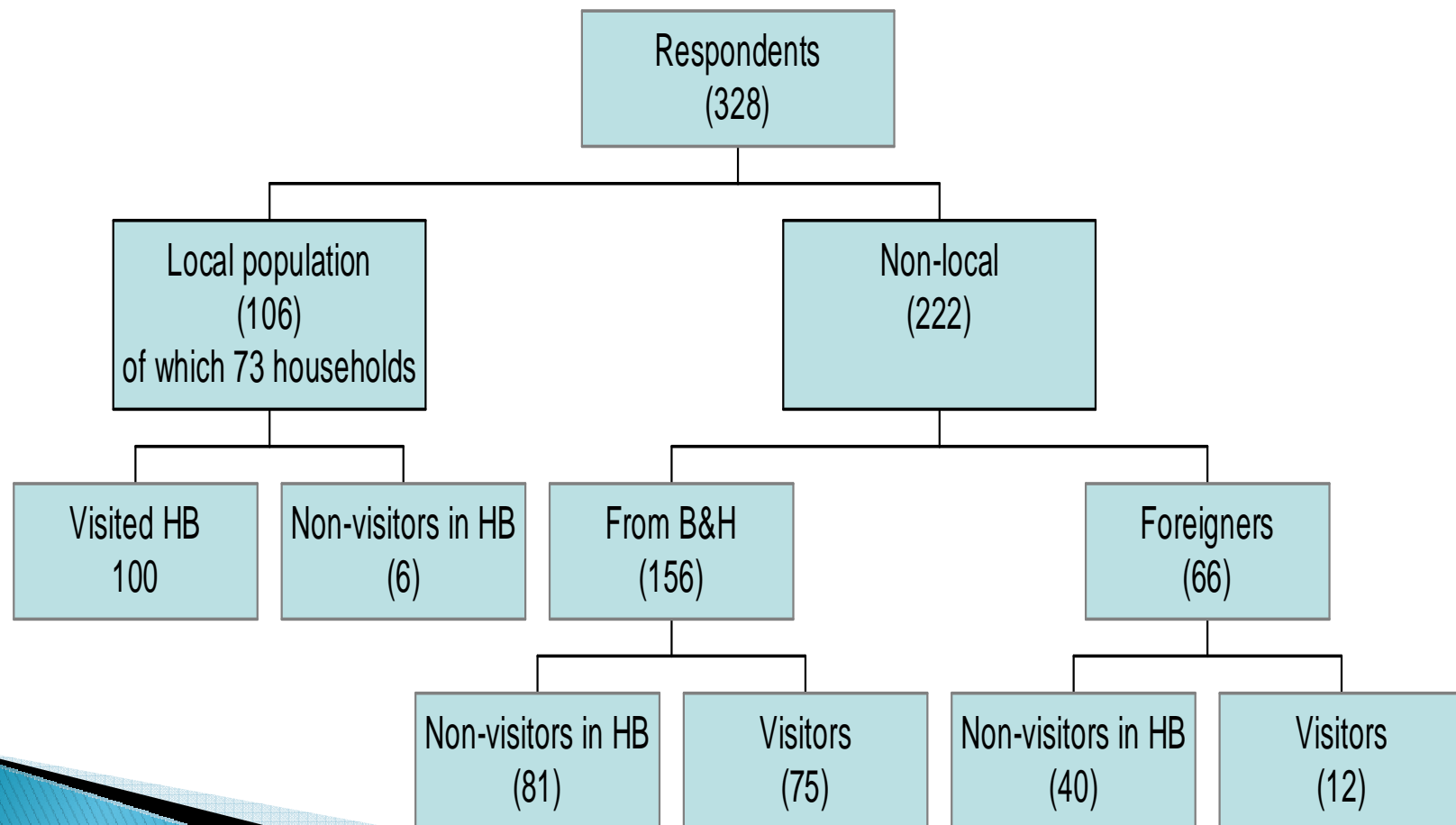
- ✓ Different available methods for economic valuations for different services were used in case studies. For example:
- ✓ Biodiversity: Contingent Valuation Method (CVM)
- ✓ Fisheries: Market Price Method (MP) combined with CVM
- ✓ Flow and floods regulation: Damage Cost Avoided Method
- ✓ Tourism /eco-tourism with recreational services and non-use values: Combination of CVM, MP i willingness to pay



ECONOMIC VALUATION –

NERETVA CORIDOR CASE STUDIES

SURVEY SAMPLE (HUTOVO BLATO)

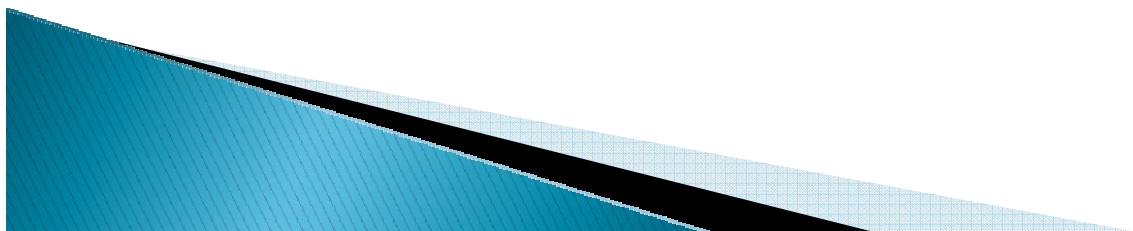


ECONOMIC VALUATION – NERETVA CORRIDOR CASE STUDIES

SOME CONCLUSIONS

Recommendations based on the estimated monetary values – Hutovo Blato:

1. It is necessary to work on the conservation of biodiversity of Hutovo Blato
2. Tourism should be more developed (including recreational and educational services)
3. Appropriate financing model should be created (wider community has to be included)
4. Projects which will result in adequate water levels in Hutovo blato should be designed



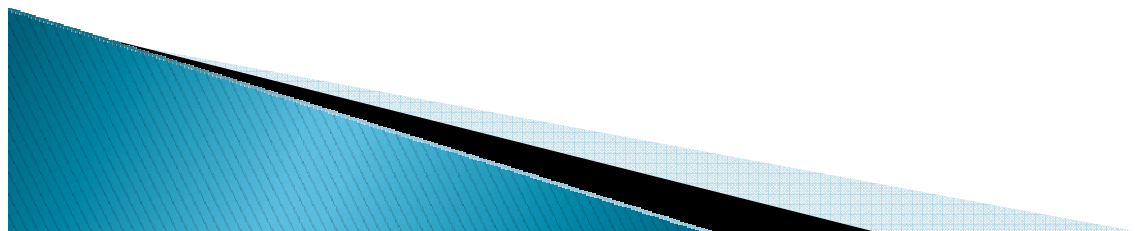
ECONOMIC VALUATION – NERETVA CORRIDOR CASE STUDIES

SOME CONCLUSIONS

Recomendations based on the estimated values – Bilećko jezero:

Development potentials of Bileća Lake are within the following services:

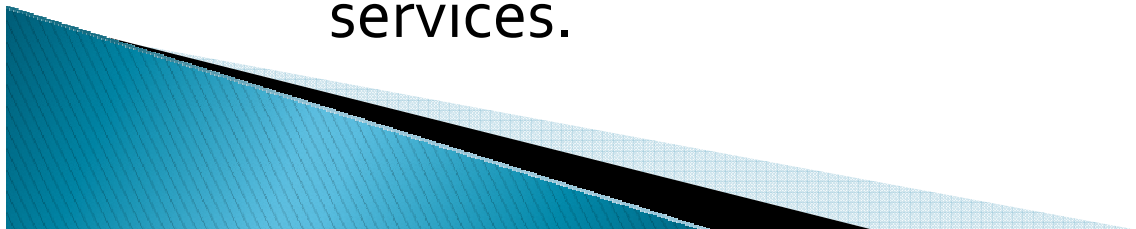
1. Use of water to produce electricity,
2. Fishing and hunting,
3. Biological diversity and
4. Tourism and recreation (this should be the future basis for the area development)



ECONOMIC VALUATION – CASE STUDIES IN BIH

- ✓ Common to all both studies:
 - Poor social and economic state of B&H society,
 - Absence and unavailability of data and
 - Problems found and recommendations.

Economic valuation can be useful, through building stakeholder dialogue for informed decision-making on river management by providing a way to justify and set priorities for programs, policies, or actions that protect or restore ecosystems and their services.



Thank you for the attention !

