

Turning Landscapes into an Openair Classroom: The Case Study of the Ljubljansko Barje Landscape Park

Mateja Šmid Hribar Anton Melik Geographical Institute ZRC SAZU











What can cultural landscape "teach us"?

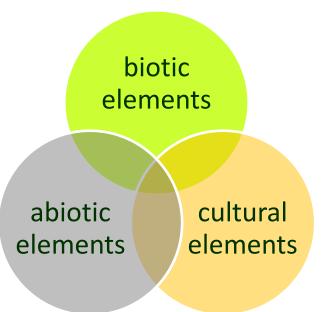
Introduction

LANDSCASPES

Ljubljansko barje

Interpretation

Conclusions



cultural landscape at the same time

- natural/ecological system
- socio-cultural system



cultural landscape = classroom

- → reveals
- nature
- local history
- previous relationships, interactions, adjustments of man to nature









The case study of Ljubljansko barje Nature park

Introduction

landscaspes

LJUBLJANSKO BARJE

Interpretation

Conclusions

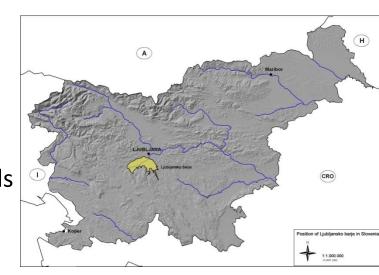
south of Ljubljana, Slovenia
approx. 160 km2 → one of the
largest complex of wet grasslands
highly structured mosaic of
grasslands, fields, woodland
islands, ditches and hedges

rich biodiversity
rich cultural heritage
(archeological, ethnological)
green recreational area











landscaspes

LJUBLJANSKO BARJE

Interpretation

Conclusions

The case study of Ljubljansko barje Nature park

One of the most changed landscapes in Slovenia

- settled at least since the Neolithic → prehistoric settlements (pile-dwellers) ~4000-2000 BC
- Roman regulation of Ljubljanica river
- 2/2 18th century several drainage efforts for the agriculture
- 1830- colonisation
- 19th century peat cutting
- today
 - urbanization
 - intensive farming/corn fields
 - abandoning agricultural use











landscaspes

LJUBLJANSKO BARJE

Interpretation

Conclusions

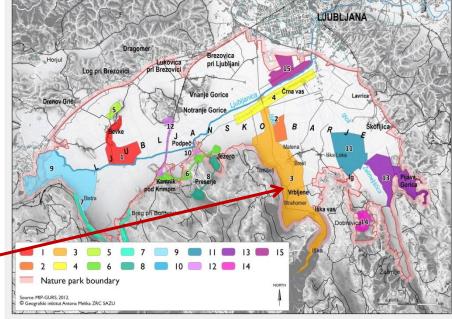
The case study of Ljubljansko barje Nature park

different places/areas were identified as interesting for interpretation

• within the 2Bparks project the area of Iška river watershed was chosen



the story of Iška river was studied and new approach of interpretation was developed











Holistic interpretation

Introduction

The most important aspects for interpretation:

landscaspes

UNDERSTANDING of the main elements and processes in the

Ljubljansko barje

landscape (structures, functions, changes)

INTERPRETATION

WHAT to interprete

Conclusions

• HOW and FOR WHOM to interprete









landscaspes

Ljubljansko barje

INTERPRETATION

Conclusions

Holistic interpretation of the Iška river story — *WHAT*

Iška river watershed →

3 "faces" of the Iška river on a very short distance (29 km)→ diverse landscapes types

The Iška canyon



The Iška fan



Once meander, between 1796 - 1798 changed by man into a canal



Aims:

- learn about different geomorphological features
- highlight the importance of groundwater and surface water
- old settlements on the contact of fan and marsh (old knowledge)









landscaspes

Ljubljansko barje

INTERPRETATION

Conclusions

Holistic interpretation of the Iška river story – **HOW and for WHOM**

HOW

in live

on line

- didactic trail (board, leaflets)
- e-lectures (for different age, instructions for teaches)
- database/bank of excercises
- architecture design of interpretative center focusing on water



live along the Iška River. Come and take a walk with For WHOM

- children
- students
- families
- tourists











landscaspes

Ljubljansko barje

INTERPRETATION

Conclusions

Didactic trail

11 informative boards









POT OB REKI IŠKI

leaflet with a map



landscaspes

Ljubljansko barje

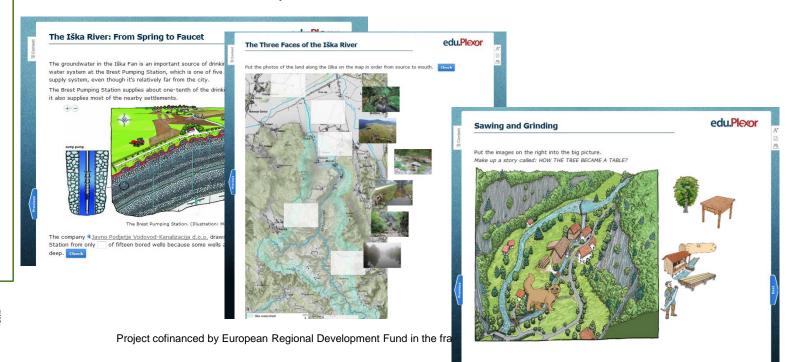
INTERPRETATION

Conclusions

Experimental e-lectures

3 freely accesible online multimedia e-lectures connected with Iška river story and interpretative trail (in Slovenian and English)

- on Sawing and Grinding (age between 8 10)
- on water from the Spring to the Tap (age between 12 14)
- on the Triple Character of the Iška River (for secondary school students)









landscaspes

Ljubljansko barje

INTERPRETATION

Conclusions

Experimental e-lectures

connected to one another → offering different ways to get familiarized with the material

additionally didactic recommendations for teachers
+ in-depth instructions on executing the lecture in class with each slide being accompanied by:

- the work done by the teacher
- the work of the student
- the curriculum execution and
- the educational goals.

e-Lectures in Slovenian can be found at http://www.ljubljanskobarje.si/potepanja-po-ljubljanskem-barju/ucne-poti/2

... in English coming soon!









landscaspes

Ljubljansko barje

INTERPRETATION

Conclusions

Database/bank of exercises

Freely accesible online database of exercises connected with Iška river interpretative trail and e-lectures. Each exercise includes:

- title
- keywords
- age
- approximate time
- recommended size of a group
- instructions for teachers
- learning objectives
- teaching utility
- the proposed location
- instructions for pupils
- additional material to perform a task (photos, maps, charts, tables, ...)
- space to carry out a task (space, empty table, the middle map, ...)
- question
- potential answer
- references (eg. Digital encyclopaedia DEDI, interpretative boards, ...)









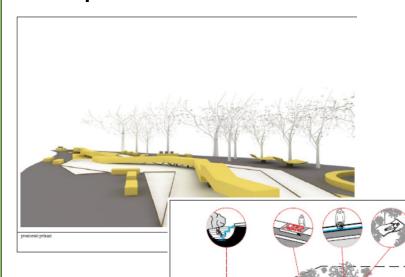
landscaspes

Ljubljansko barje

INTERPRETATION

Conclusions

Interpretative center



Architectual design of educational interpretative center in the Iška vilage → focusing on water







Conclusions

Introduction

We can **learn** a lot **from landscapes!**

landscaspes

Appropriate interpretation is needed for different target groups:

Ljubljansko barje

learning from experience – IN LIVE

Interpretation

trails

educational - interpretative centers

CONCLUSIONS

 learning by exploring web and multimedia material - ON LINE

dynamic e-lectures



GET FAMILIAR AND UNDERSTAND THE LOGIC OF LANDSCAPES AS OUR LIVING ENVIRONMENT







Thank you for your attention! ... and







