







#### **GOOD PRACTICE**

# "NATURE'S CLASSROOM" Innovative learning environments

Prof. Ddr. Ana Vovk Korže

Portorož, 28. 10. 2010









# DRAVINJA VALLY – NATURAL CLASSROOM

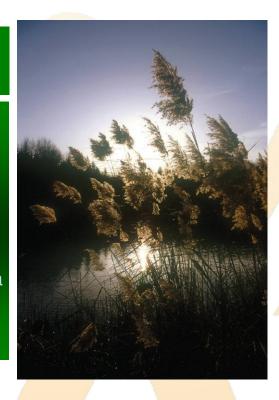


# Development Nature Centre

#### Razvojni Center Narave

#### Vizija

Občani občine
Poljčane živimo v
sožitju z naravo s
pomočjo ERM in
razvijamo inovativne
razvojne dejavnosti za
kvalitetno življenje













#### **ECOREMEDIATION APPROACH**



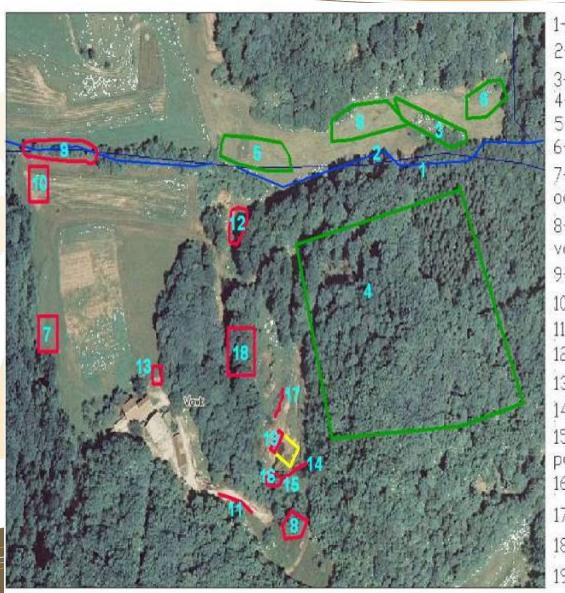
**SYSTEM OF NATURE:** 

WE ARE THE PART OF THE NATURE

#### PURPOSE OF THE PROJECT "NATURE'S CLASSROOM"

- DEVELOPE INNOVATIVE LEARNING ENVIRONMENT CLASSROOM IN THE NATURE FOR EDUCATION FOR SUSTAINABLE DEVELOPMENT
- DEVELOPE INNOVATIVE LEARNING ENVIRONMENT FOR "LEARNING BY DOING" (experiments, practical work, researches etc.)
- DEVELOPE INNOVATIVE APPROACHES FOR OUTDOOR LEARNING AND PERSONAL EXPERIENCED LEARNING DIRECTLY FROM THE NATURE
- FORM EDUCATIONAL PROGRAMMES FOR RESEARCHING, TEACHING AND LEARING IN "NATURE'S CLASSROOM"
- PRACTICAL EDUCATIONAL MATERIALS (HANDBOOKS, DIDACTICAL GAMES, MULTIMEDIA PRESENTATIONS OF LEARING PATHS) AS SUPPORT TO LEARN FROM "NATURE' S CLASSROOM"

#### **EDUCATION POLYGON**



1-struga potoka

2-obrežje potoka

3-naravne mejice

4-gozd

5-močvirni travnik

6-suhi travnik

7-RČN za gospodinjske

odpadne vode

8-RČN za kondicioniranje pitne

vode

9-vegetacijski pas

10-fitoremediacija

11-protierozijski ERM sistemi

12-ribnik

13-kompostiranje

14-kanalizirana struga potoka

15-revitalizirana struga

potoka

16-mlaka

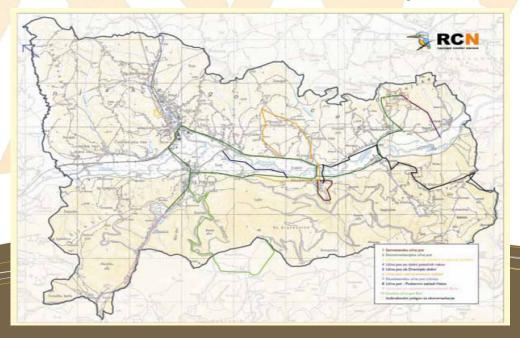
17-blažilna cona

18-RČN za uční center

19-model

#### RESULTS OF THE PROJECT "NATURE'S CLASSROOM"

established 10 thematic learning paths in the field of environment and nature science in Municipaly Poljčane,
 established innovative educational ecoremediation
 (ERM) polygon for researching and learning about environment issues and processes unwinding in the nature





#### **EDUCATIONAL ECOREMEDIATION (ERM) POLYGON:**

- 5 HA AREA WITH NATURE ECOREMEDIATION: ECOSYSTEM SERVICES FROM MEDOWS, FIELDS, FOREST, WATER
- ECOREMEDIATION SYSTEM AS TECHNICAL INNOVATION:
- 19 LEARNING POINTS LEARN ABOUT NATURAL ECOSYSTEMS, ECOREMEDIATION MESUARES (constructed wetlands, buffer zones, vegatation zones, fitoremediation etc.)
- LEARINING BY DOING (experiments, practical work, fieldwork etc.

"WHAT CAN WE LEARN FROM THE NATURE?

#### **EDUCATIONAL ECOREMEDIATION (ERM) POLYGON**

**EDUCATIONAL CENTER** 





PRESENTATION
OF RIVER
ECOLOGICAL
RESTORATION

PONDS AS EDUCATIONAL OBJECT



BUFFER ZONES



DEMONSTRATION MODEL
OF CONSTRUCTED WETLAND



#### RESEARCH WORK IN NATURE

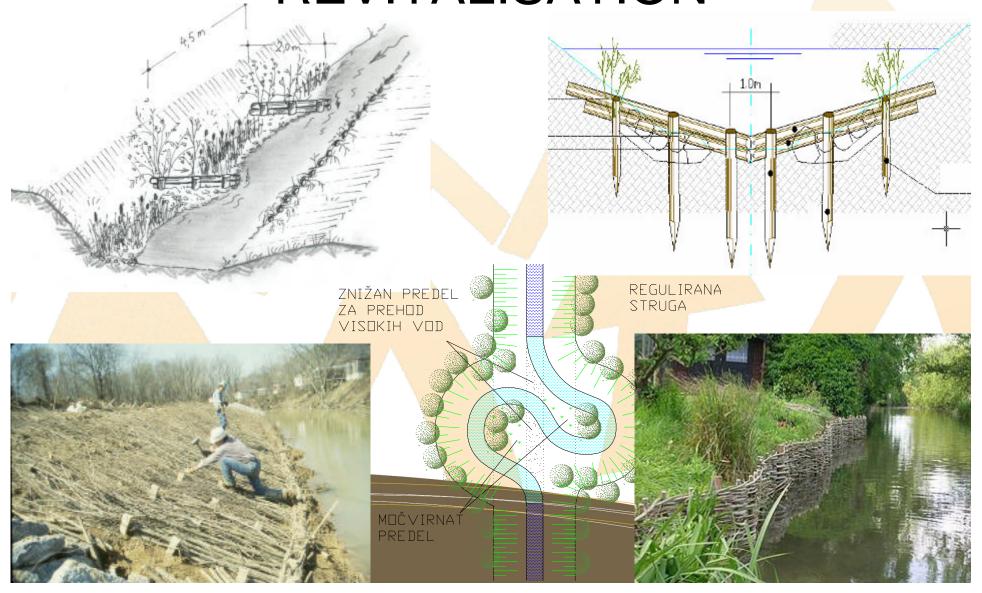
















### Constracted wetland in river bad







# Hobib house



# Natural pool



# RESULTS – SUPPORT FOR TEACHING, RESEARCH AND LEARNING IN THE PROJECT "NATURE'S CLASSROOM"

- formed educational programmes at all levels as learning tools for teachers and pupils, students ...
- formed handbook for teachers "Thematic learning paths true Dravinja valley."
- formed handbook for teachers "Educational ecoremedation (ERM) polygon in Modraže, Dravinja valley"
- formed educational material for innovative outdoor learning in "Nature's classroom" (for project days in school, practical work, researches, fieldwork etc)
- formed reference book of good practices of innovative approaches for outdoor learning and "learning by doing"



#### IZOBRAŽEVALNI POLIGON o ekoremediacijah v Modražah (Poljčane)

Delovno gradivo

#### Avtorji:

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Poljčane, avgust 2009









AUNUITOTYO JA JOLSTVO IN SPORT





#### EDUCATIONAL VALUE OF THE NATURE'S CLASSROOM



TO EXPERIENCE

TO UNDERSTAND

TO FEEL THE NATURE

TO CONECT TEORY WITH PRACTIES

TO LEARN HOW TO RESPECT
THE NATURE

## But we have only one!







# Education for sustainable development

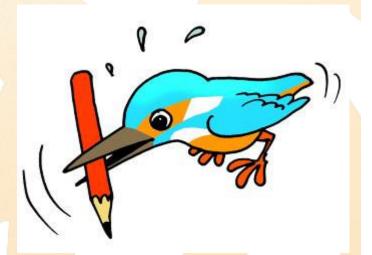






## Web page of the project:

www.ucilnicavnaravi.si



Thank you for your attention!