#### Partners



Nimfea – Environment and Nature Conservation Association (LP) (HU) www.nimfea.hu



Strandja Nature Park Directorate (BG) www.strandja.bg



Timis County Council (RO) www.cjtimis.ro

#### Province of Ravenna (IT)

www.provincia.ra.it/Argomenti/Europa-e-relazioni-internazionali/ Cooperazione-Territoriale-Europea/Programma-SEE-Sud-Est-Europa/ BE-NATUR



Veneto Region Commissions' Coordination Project Unit (IT) www.regione.veneto.it/Ambiente+e+Territorio/Territorio/ Reti+Ecologiche+e+Biodiversità/



Consortium of Management of Torre Guaceto - Brindisi (IT) www.riservaditorreguaceto.it



DDNI Danube Delta National Institute for Research and Development (RO) www.ddni.ro

AREC - Agricultural Research and Education

Centre Raumberg-Gumpenstein (AT)

LBDCA Lake Balaton Development Coordination Agency (HU) www.balatonregion.hu

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VIETU Vienna University of Technology, Department of Public Finance and Infrastructure Policy (AT) www.tuwien.ac.at



ETANAM - Development Agency for South Epirus - Amvrakikos (GR) www.etanam.gr



Municipality of Cacak (RS) www.cacak.org.rs

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University of Klagenfurt – Department of Economics (AT) www.mpa.uni-klu.ac.at



DDBRA Danube Delta Biosphere Reserve Authority (RO) www.ddbra.ro



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### Jointly for our common future



Transnational Cooperation Programme





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#### www.be-natur.it



# by the water

better management of natura 2000 sites

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### Jointly for our common future





Protect

**Biodiversity** 



nature



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## Near, in and under water

River banks, lake shores and the bottom of water bodies are important habitats that host numerous animals and plants. They provide breeding grounds, shelter and food to animals that live, feed or reproduce in or near water. Banks and shores may consist of layers of mud, sand, pebbles or boulders. Reeds, grasses and riparian trees stabilize them against the force of water. Hazardous chemicals and the loss of riparian vegetation threaten animal habitats. Pollution, loss of vegetation, erosion, introduction of invasive species and unsustainable use by man cause destruction to the ecosystem which in turn affects the well being and survival of the species within.



People from Hungary, Italy, Austria, Serbia, Romania, Bulgaria and Greece gathered and work together in order to help some ecosystems that lie close to water bodies to survive. This project is called Be-Natur and is carried out by fourteen partners from seven countries. The areas of management are part of the Natura 2000 network. Why have we Europeans created it? Because it is very important to know how some ecosystems function and how we can protect them from danger. Every country has to take measures and act in a way that assures the future of these ecosystems and all animals and plants living there and listed by the Natura Network.

## Wet habitats are rich in plant and animal species.

Most of the aquatic plants grow near the riverbank/shore, because plenty of light can penetrate the shallow water.



Fishing

Groundwater replenishment

Recreation

### Wet habitats are valuable to us.

Farming

Wetlands serve us in many ways, they are fishing grounds, they are visited for recreation, they help to purify water, they play an important role in forming and stabilizing the climate and so on. They are threatened by various human actions, such as direct and indirect pollution, changing land use, intensive agriculture, construction, irresponsible tourism etc.







In nature it isn't just about what you see, but also about what you hear.

Sit down at a riverbank/shore or a coast with a piece of paper in your hands. Put a sign in the centre of the paper: this is your position. Stay in silence and listen. For each sound you hear, put a sign (that reminds you of this particular sound) for the direction and approximate the distance from which you heard it. After a while, you can compare your map with the ones your friends made. Did you hear the same sounds? Can you make a map noting smells? A map noting what you touch?













## Walking in the Microcosmos

There is another world that lives under your feet. You can see it easily as long as you lie down on the ground. Stretch a meter of string on the beach or the bank/shore and sit down or lie down next to it. Very slowly, follow the string and start observing everything interesting next to it. It is better to look from a distance, not more than 30 centimetres, and have a magnifying lens with you.

## Find the marks of water

At a riverbank, the branches that are bent or are filled with weeds and debris show the height of the highest flooding level. On a lake, reed stands show where the shore is during the spring snow-melt. The riparian trees reveal the existence of subterranean water at a distance from the river bank.



# Looking through the eyes of a naturalist

Like the old naturalists-researchers, look carefully at any animal or plant you find interesting and take notes. Fold 1-2 paper sheets so as to make a notebook where you can note anything interesting. You can write, you can draw an animal or a leaf, you can scribble... You can name it "Lake Notes", "Diary of an explorer" or whatever you want. You can use pens, coloured pencils, crayons (3-4 colours are enough) or anything else possible to use. Try this with a few friends and compare notes at the end. Did you note the same things?



## Is the water at the shore and the surface of the bed clean?

There are ways to discover hidden pollution:

The diversity of aquatic plants shows that the water quality is good. A few aquatic plants and green slime on the river or pond bed indicates water pollution.

Frogs, water turtles and grass snakes show us that the water is clean. Clean water sometimes can be brown or green or muddy, which does not mean it is polluted.

Larvae of flies and floaters (they look like small worms hidden in the wholes or under the stones of the seabed) indicates water pollution.





## Does the bank remain changeless?

Can you imagine how the bank would look like ten or hundred years ago? From what you see, what would be here back then? Someone that lives here could tell you or show you an old photo. Can you imagine how the bank will be after ten or a hundred years? What would you like to keep of all the things that are around? Can you think of a way to keep them as they are today or improve them?

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