

lifelineMDD Local awareness for living rivers in the TBR MDD

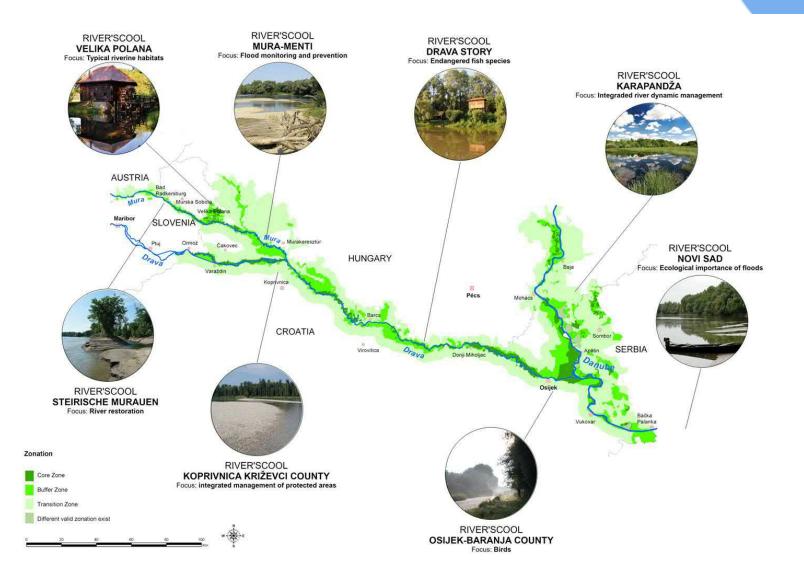
Kerstin Böck, WWF Austria Alice Thinschmidt Education expert, NHM Vienna Tijana Pavlović, Education expert, Igroučenije, Belgrade

Mura-Drava-Danube 5-country Biosphere Reserve Conference



River'Scools as learning jewels along the TBR MDD

...and a safe haven for environmental educators



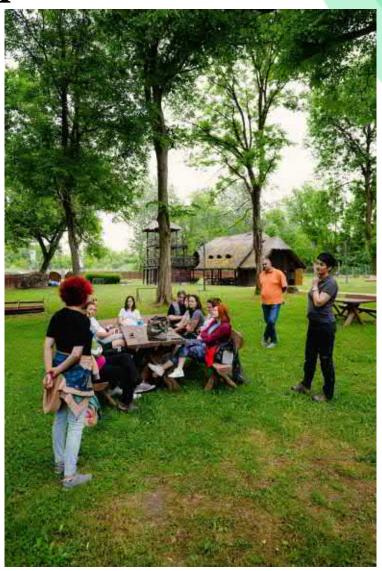


After a day in a River's cool participants should:

- Be closer to nature
- Realize the importance of TBR MDD connectivity
- Understand how their behavior in daily life impacts nature
- Know that interventions in the ecosystem of the rivers have very wide impact
- Have an idea how to participate in nature protection









1.
THE SOURCE

RIVER BRANCH
"LET THE RIVERS
RUN FREE!"

RIVER BRANCH
"SWIM LIKE
A FISH!"

7.
THE MOUTH



RIVER BRANCH
"LIFELINE'S
LEARNING HUB"

RIVER BRANCH "FLY WITH THE BIRDS!"

RIVER BRANCH
"CLIMATE CHANGE
AFFECTS US ALL"

The key to successfully implementing an educational program in nature The Rainbow Flow

Activity (selection)

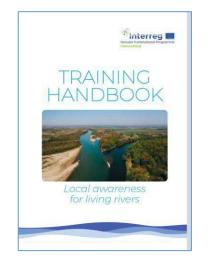
Flow

(Rainbow Phase)

Create a good group atmosphere!	Start from volume the group of Corollar from mand and arm to create a good armosphere from the very beginning if possible, use the first activity to introduce the topic of the day.	Service and Zehavel The Briggest river Voolcorne, briefst Farn a fish Vocation was unangriegt
Experience nature with all your senses!	Let nature first touch children emotionally Ecological knowledge comes later Emotion goes along with all senses, especially with children	Looking for semething Blind river that Song Contest Feet the fiver Cur frees are flavoring
Calm down and focus your attention!	Some activities help us to be calm or use other communication drannels than taking. Haying altoration and factures as experience of observing nature.	Pound correcting? Service of a factories First year shield Silence of a field Where have all the stones disappeared?
Trigger curlosity!	Curriestly forms the basis of every learning pricess, Wilthout extractly there is no successful extraction. Also excrytelling teach us into new worlds.	Living map Three species – one searet East furnt Story of a slawalker Deforestation
Actively explore nature!	Where exactly close a carrein species heat What close I two ort Chieston lead us to observe more attentively. By using equipment for field work, we move significantly closer to nature and explore it from new perspectives.	Bischiversity hunt Physical Street Bird monitoring, Habitat exploration The hottest and the codest place
Repeat and process information!	Now is the point to make sure that everytedy is on the same level by repealing information in a playful way. Rely on these observations and own experiences of the day when reliabling humans, are interrelated and experience of principles of the control of the co	The longest food chain in the world Create your own ther Owls and crows If fish could talk Web of Life in times of climate chang
See things at a larger scale!	We decide how we will organize our lives and relationship travards nature. We can imagine space to nature and use it wheely annulation games and other challenges get us out of the box and et us for high.	Mini-Blosphere Reserve Upstream and downstream Savo the sturgeon game Letter to the past
Imagine solutions and prepare to get active!	How can't see protect because not you have they can't a horizon income and the highest have been a pro- teal life and becoming active we thinking me solutions and present our angularization. There are many ways that lead to kielemake ways or formy. The future helicity is odd.	Stakeholder Council Brei Faller Our Action plan for birds from Leelugi Repairing the future
Goodbyel	As Important as a warry velocities is a desert farewest Close there goed services as their way task harm. The as they the tries to wrap up the day and pure as one or two reasons as you would like to share with the group.	In a nutained. The Canadage stone Write with a qualitier. First of the Arnagers of Europe We have learned something importa-



Handbook











Helyi tudatosság az élő folyókért

- Trainings have the same flow as the Handbook
- In local language and in English
- Supplementary materials: maps, worksheets, bird and fish cards ...
- Theoretical part: basic information to understand the context and do the activities
- Practical part: our main focus!
- Rainbow flow: playful, hands-on, all senses, broad, flexible, clear
- Barrier free paragraph Inclusion and obstacles in outdoor learning environment

The big picture: We are international!







Supplementary Materials







The water cycle

How are clouds, rain, lakes and dissibing water formed?

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hat what four a plant meet?

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Soil formation

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Photosynthesis

Photograffores in the inscription of





Little tern (Sternula albifrons)



SClentific Sternula albifrons AUT Zwengseeschwalbe Si Mala čigra HU Kis csér CRO Mala čigra SRB Mana чигра

- Distribution and migration: Widespread but patchily distributed summer visitor to much of Europe, breeding along the coastlines as well as inland. The European population is estimated at \$5,000 - \$3,000 pairs, most of them breeding along the European coastlines. Only few rivers with suitable habitats have remained for this small term species, it is a strongly migratory bird which witness almost entirely within Africa.
- Breeding habitat: Prefers bare or sparsely vegetated gravel or sand banks (rather small grains) of large rivers. To avoid ground predators, the little term prefers islands.
- Breeding density: Usually breeds in small colonies between 2 20 (50) pairs. Distance range between nests: 3 - 10 meters.
- General threats: Loss of suitable nest sites is often caused by habitat destruction (river regulation, gravel and sand extraction, new hydropower dams). Especially during breeding season, the fittle tern is vulnerable to human disturbance at breeding sites. Flooding of nest sites caused by human-induced flooding can be problematic, especially in the case of
- Distribution within the TBR MDD: The only breeding area is found in an approximately 50
 km stretch of the Drava in Croatal (partly bordering Hungary) downstream of the
 Drava-Muna confluence. In the 1990s, between four and six breeding pains were counted in
 the area of the TBR MDD by different observers. Currently, four to thre pairs on average are
 breeding regularly, mostly in the company of the component of the.
- Buffer around breeding place: 100 m











CREATE YOUR OWN RIVER CARDS



METLES ACADEMY THEMS PARK MALA POSAGE.

- 1. What is the most consequent type of time that grown in which is the most constitute are the area for he prouds of disciplines?
- 2. The true species is often appeted in the paid, its below, nutrited season change to a described and copies, in instrumer is to one of the standard Abbect of percent states and in
- \$ or one good floor 15 iden fight, it is employed to the toset and has flower. Special If you grow home 13 years right, it is serviced to the man't want two latters represent to a discript the characteristic white cody of the facts frame the over species.
- 6. My fallen industrate very saarled for Forest Scots, and my trans is elected, held bed and grower to the trust I have a see gray trust. Who are D
- Many one-control tensor are physicismissis for one, pro-control fraction my branches. I like to grow in acidic soils and in operand character, that the strong the time operand





Community Mapping

Community Mapping the contra Community Mapping is a constitutable law long and insuring represent decisions performance is not by minimal or test stretch produce in various group structure. Performance actions revisions of the minimal or the community from a bringing betterpies in place-based solve-minimal substitute.

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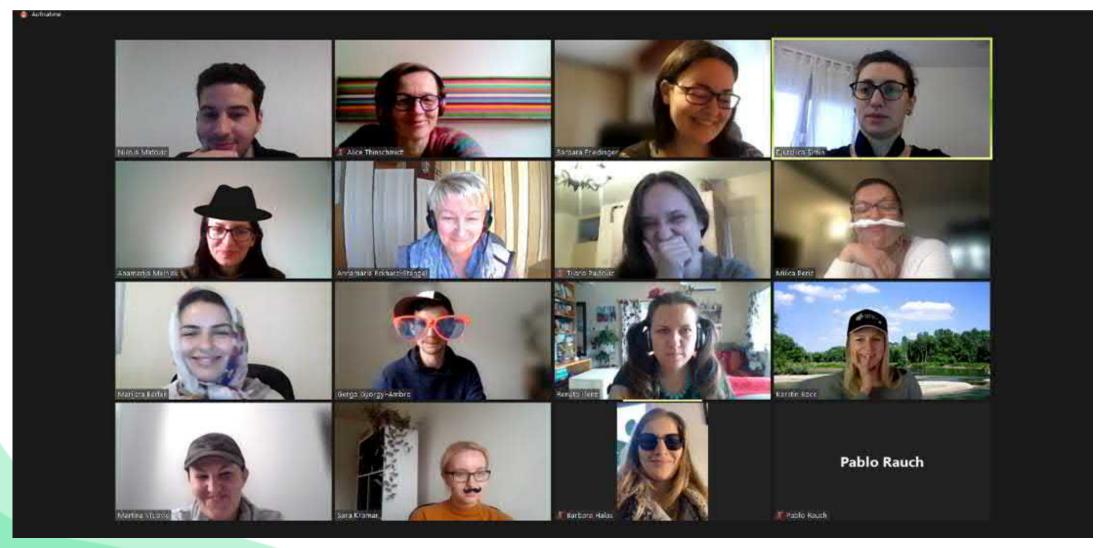








Train-the-Trainer (TtT) Seminar





Outdoor learning online????

- Homeworks with activities that couldn't be done online
- Expert talks
- Break-out room sessions

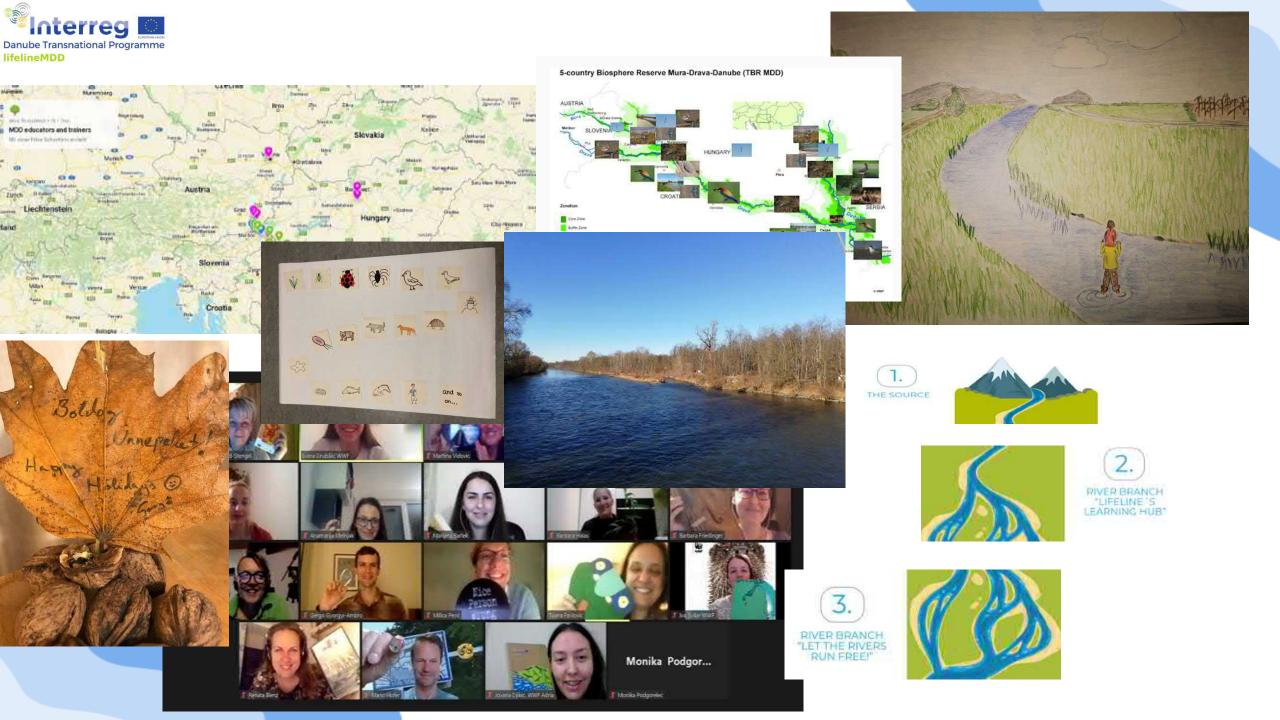
Different educational tools in online settings: Mural, menti,

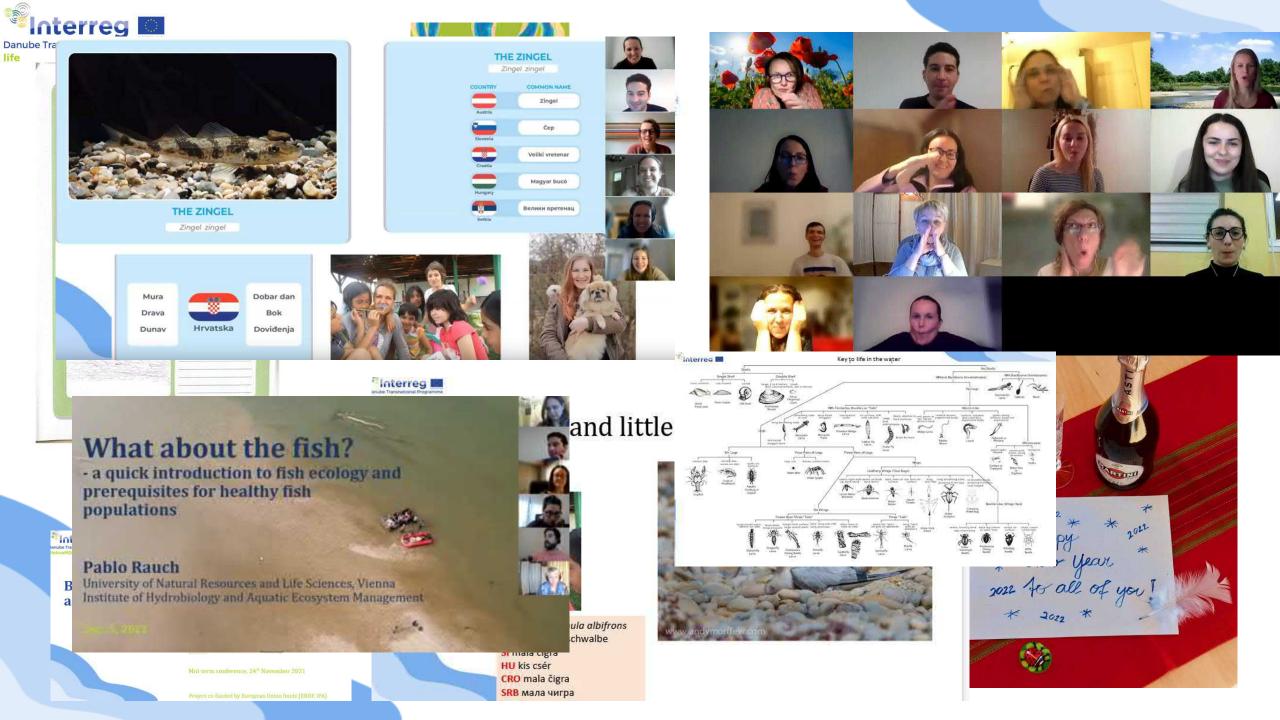
padlet, artsteps ...

- Educational Mutualism
- Counseling after trainings









FEM-Method

2-step approach:

→ 3 groups

Example: Danube Floodplain Project - Overall ranking

1. Identifying the need for preservation of the active floodplains

performance), than the floodplain has to be preserved.

2. Identifying the restoration demand of the active floodplains

-> If one parameter of the minimum set is evaluated with a 5 (high

High aFPs in this group have the highest demand for restoration measures



0 2

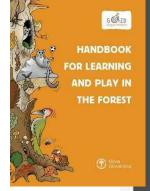








English, español, по-русски, 中文, bahasa Indonesia, srpski





Seasonal Calendar 💮 🕒 At changes saved





Key Concepts in Climate Change Adaptation

This course helps clarify terminology and concepts that are often confusing to those who are new to climate change adaptation.

English, español, по-русски, 中文, français, Tiếng Việt, bahasa Indonesia, srpski



Understanding Vulnerability

This brief course explores the three components of vulnerability - exposure, sensitivity and adaptive capacity - and provides a simple climate change vulnerability assessment exercise to test your knowledge.

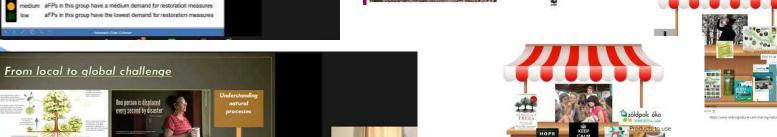
English, español, 中文, srpski



Wildlife and Climate Change

In this course we learn how to apply the concept of vulnerability to species to develop climateadaptive management recommendations to assist in their conservation.

English, español, srpski







Understanding Climate Change

introduction to climate change

and explains why we must adapt

This course provides an







6





National Trainings

• Same concept as TtT – 3 parts, partly online and in-person event, from Mar-May 2022* (*with WWF HU holding additional event in summer/autumn 22)



• <u>Target groups:</u> Teachers, youth-workers and guides (around 15-20 people) <u>Responsible</u>: RMSO, MVP, JU ZDP VŽ, WWF HU and WWF Adria-Serbia



















Experiences from workshops for secondary school students

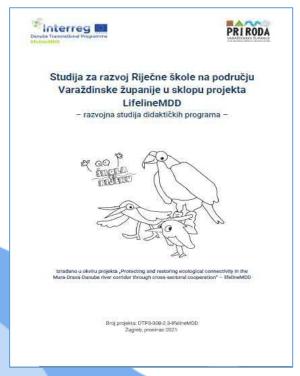


Some of the secondary school students never spent time close at the river Drava.





Development study of didactic programmes in Varaždin county





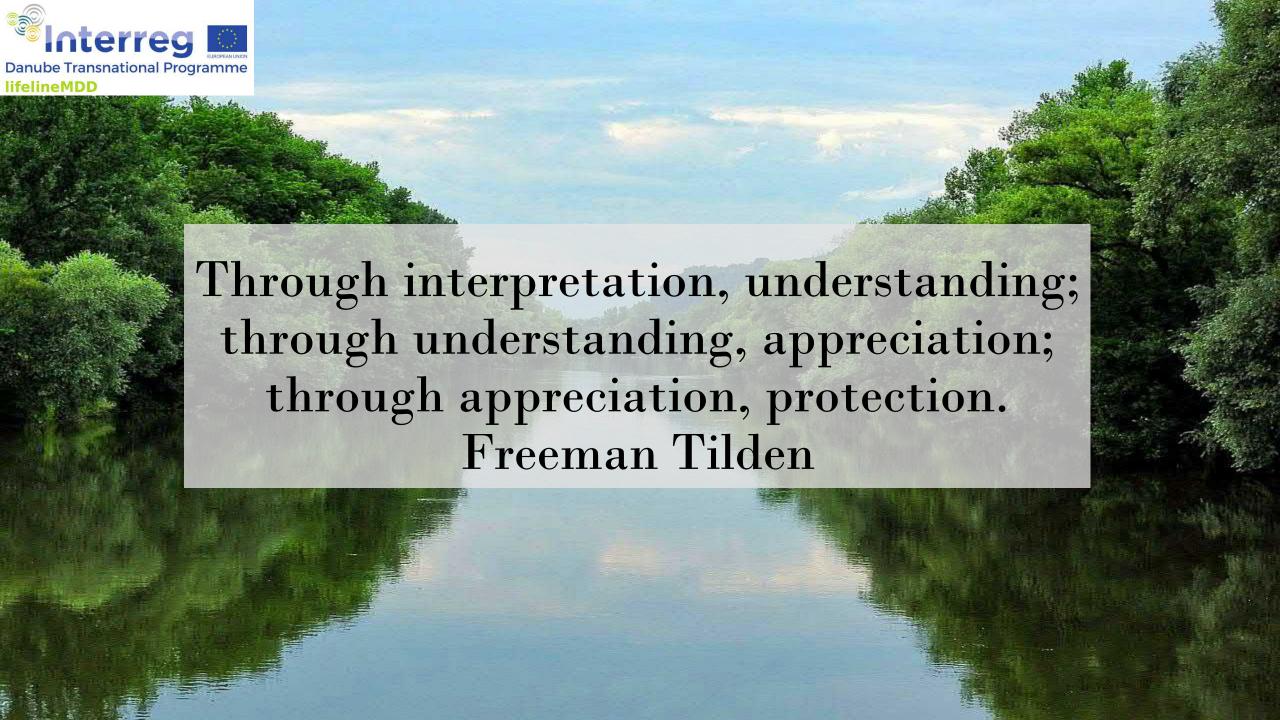




TBR MDD Nature Academy

- Pilot Action, two editions:
 - 1st part on 30th June 2021, age group 7-14 years
 - 2nd part on 6th-7th April 2022, participants from all age groups
- Raised the awareness of local people within the Slovenian part of the TBR MDD
- Similar programs may be implemented in other areas of the TBR MDD and potentially also in a transboundary way in the future







Outlook to future environmental education and awareness raising in the TBR MDD



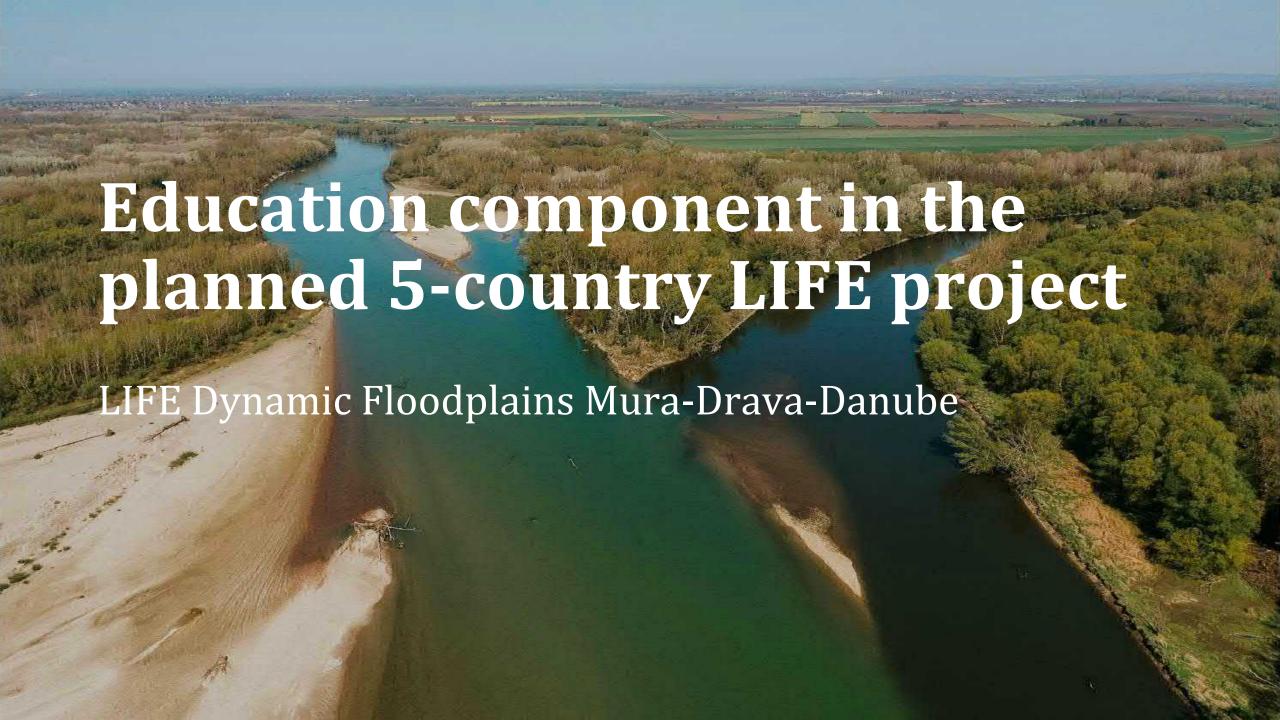
Thoughts on future activities

- Education is a very motivating part of projects
- Maintain the network of educators
- Deepen the connection between National trainers and National trainers with local educators (conferences, workshops...)
- Establish "clubs" for a pool of interested, engaged people in a region
- Strengthen or establish citizen science
- Establish a youth club
- Organize events that raise awareness, e.g. actions on the AoE Bike Trail



Core points for future activities

- We are international!
 - Connectivity between national trainers should be maintained through workshops
 - Connection between River'scools should be fostered
- Grow numbers
 - Give a chance to local educators to become National trainers
- Empower local strengths- people, places, story, knowledge,
- Enjoy the educational process- play and investigate
- Create you can always beat the circumstances, even if they are pandemic
- Find the flow- educational programs have to be connected to the actual process and places (experiential learning)





Elaboration of a 5-country Education concept for the TBR MDD within the LIFE Dynamic Floodplains Mura-Drava-Danube project

- Alignment and bringing all partners up-to-date regarding joint working materials
- Exchange of know-how regarding available materials and methods
- Planning joint concept for varied education activities for different target groups e.g.
 - Education for children, with schools
 - Education related to concrete restoration activities, with stakeholders
 - Education for (young) adults, nature photography
 - Education for partnership and water management-related stakeholders for NbS
 - Young rangers programme for children
 - School visits, camps, etc.



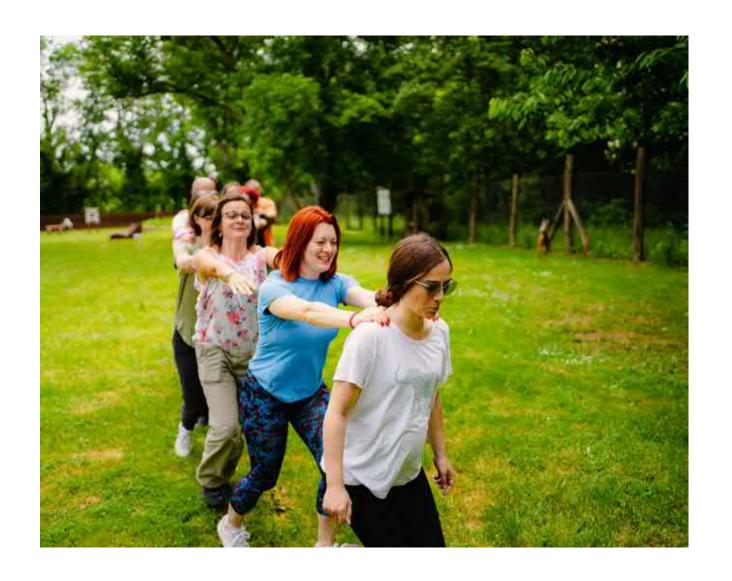
Threat to the protected areas tackled:

- lack of knowledge about protected areas and threats from human interventions, climate change, habitat degradation etc.;
- lack of support from local population for restoration activities.

Expected results:

- Building on educators from the local communities, who become multipliers in raising awareness about protected areas 2 increase knowledge about protected areas
- Educate future generation of nature lovers and conservationists
- Educate photography lovers to capture nature professionally and in a nature-friendly way, in order to become multipliers and awareness raisers through e.g. social media; but also to ensure they pursue photography in a nature-friendly way with minimal disturbance on protected areas
- Increase knowledge and acceptance of restoration activities

Let's play!





Servus and Zdravo Welcome to Amazon of Europe!



































Thank you!



Project co-funded by European Union funds (ERDF, IPA)