

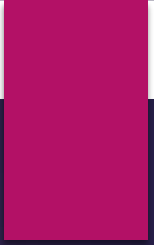
23rd Junior Eco - Expert – Ecoproject

Our Country, Our Future, Our Responsibility

- Visegrad Fund

GROUP 4: POND SYSTEMS AND THEIR IMPORTANCE IN THE LANDSCAPE





Group leader: Dipl. Ing. Ondřej Novák
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Characteristics and history of Třeboňsko



History

- First mention in 12th century, swampy region



- First owner Vítek z Prčic



Biggest merits in pond farming – Jakub Krčín z Jelčan – Rožmberk and most famous Czech pond builder



Another famous pond builder was J. Štěpánek Netolický

- Oldest ponds are from 14th century like Bošilecký pond and Dvořiště



Our visit of :

Museum of Nature



J. Krčín statue



Characteristics

- Lots of species of plants, animals, insects and precious biotops like peatlands, large forests and ponds which were wetlands in past
- Center of Czech pond farming
- Most tourist attractive region of Czech republic
- CHKO Třeboňsko, candidate to UNESCO for pond farming legacy
- Ponds divided by paths , more than 500 ponds

Birds: *Haliaeetus albicilla*, *Ciconia nigra*



Reptiles: *Coronella Austriaca*



Amphibians: *Triturus cristatus*, *Epidalea calamita*



Fish: *Lampetra planeri*



Mammals: *Lutra lutra*





Overgrown ponds



Pond edges and paths

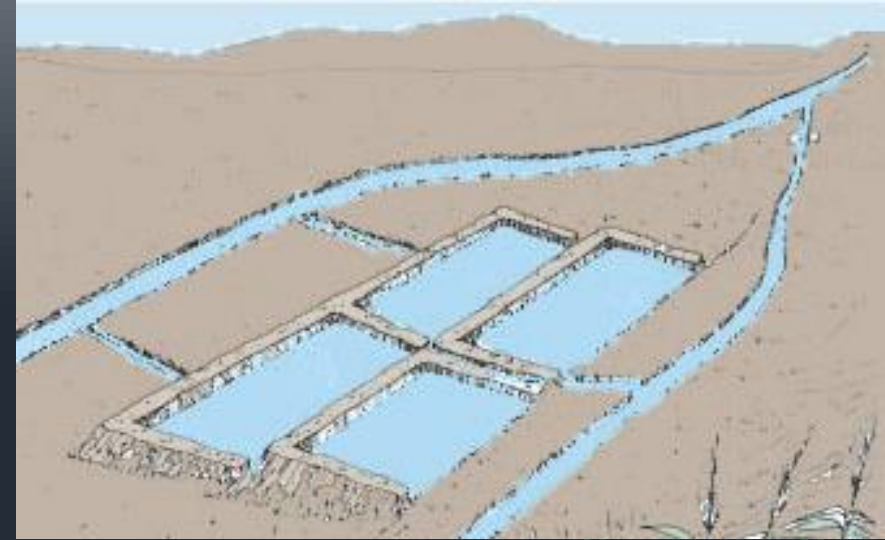
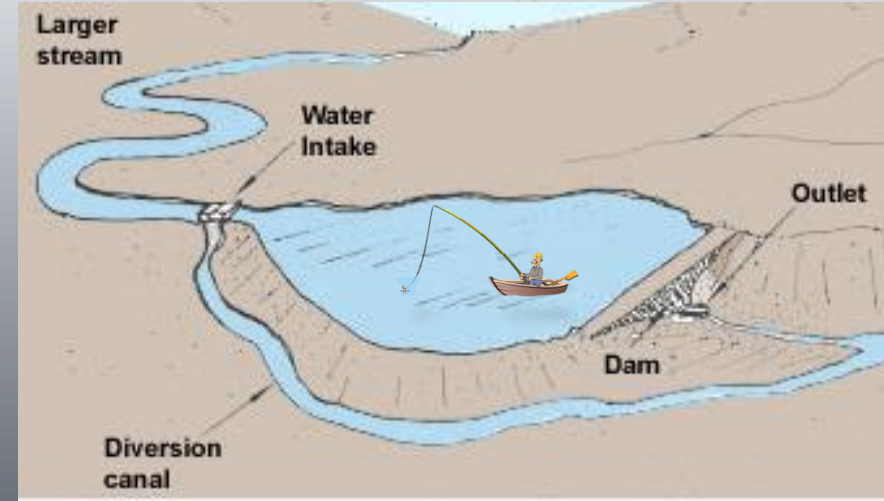
Wild ducks (adult males+ducklings)

A wide, calm body of water, likely a fishpond, stretches across the middle ground. In the foreground, a wooden structure, possibly a gate or part of a weir, extends from the left bank into the water. The structure has a red-painted vertical post with a white and red striped marker. The water's surface is still, reflecting the overcast sky and the distant shoreline. The background is a dense line of green trees under a grey, cloudy sky. In the bottom right corner, there are some green reeds and a small yellow flower.

Fishpond systems and their use

Fishpond system

- Ponds and Rivers
- Overflow → catch basin



The usage of fishponds today

- Agriculture
- Food
- Ecosystem
- Water supplies



Description of the chosen fishponds

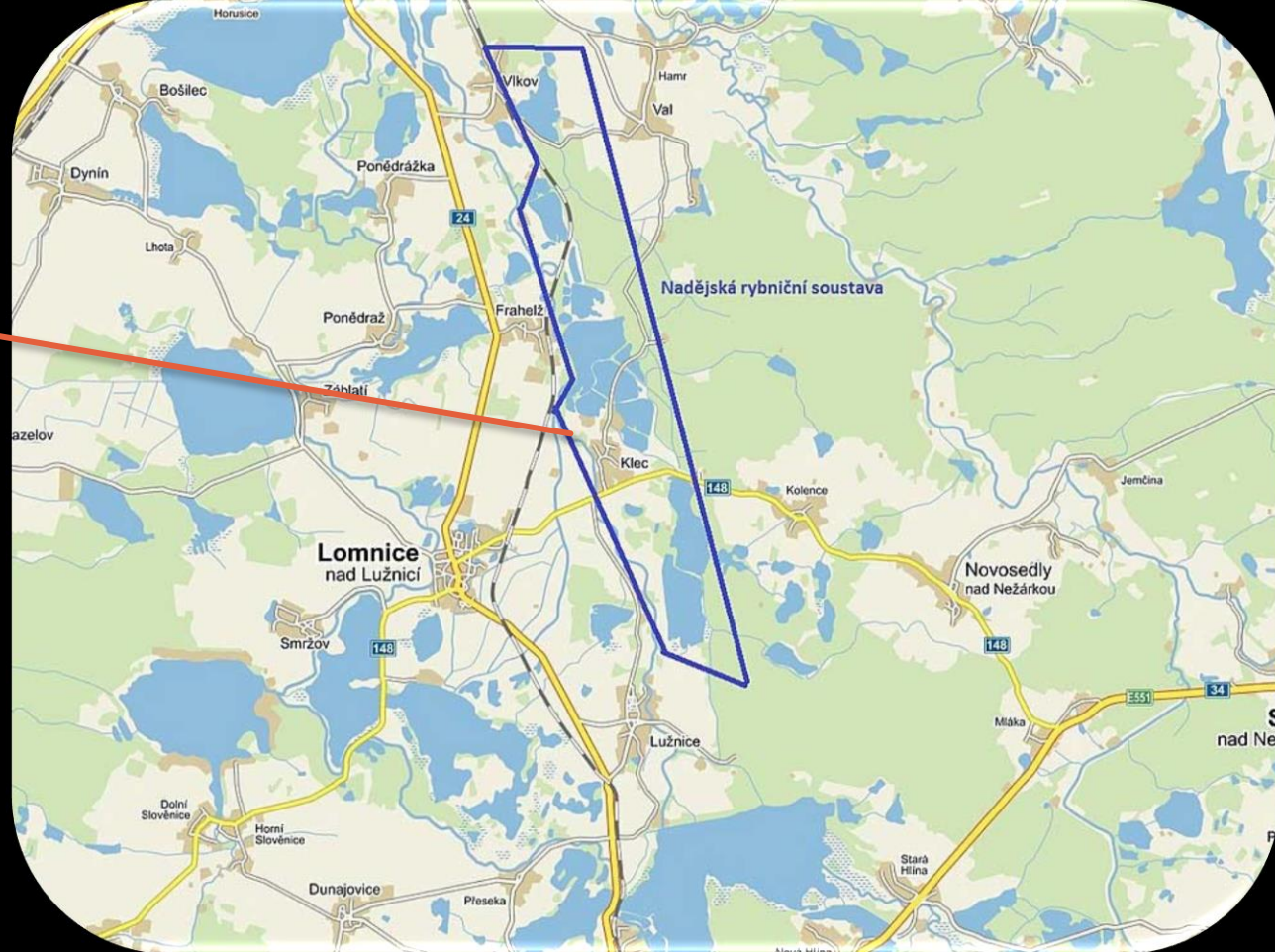


Krajina

Protected
landscape area
of Třeboň

INFORMATION

Surface area: 16 ha



Pond Rod

INFORMATION

Surface area: **40 ha**

Max. depth: **2 m**

Length: **2 km**

Basin: **40,4 km²**

Altitude: **436 m**



Třeboň



Svět

INFORMATION

Surface area: **201,5 ha**

Max. depth: **3 m**

Basin: **84,6 km²**

Altitude: **436 m**



Třeboň's region



Rožmberk Pond

Třeboň,
South
Bohemian
Region

INFORMATION



Surface area: **648 ha**

Max. depth: **6,2 m**

Water volume: **6.200.000 km³**

Altitude: **427 m**



A title card for 'Waterfowl monitoring' featuring a background image of a pond with waterfowl. The text is centered in a white serif font. The background shows a pond with several ducks or geese swimming. In the distance, there is a line of green bushes and trees. The image has a soft, slightly blurred quality. There are white decorative lines on the left and right sides, and a semi-transparent dark green shape in the top left corner.

Waterfowl monitoring



On our trip we saw a lot of different species of water birds. We also observed birds of various ages and colors.

We were fascinated by the amazing views of the nature.



Our leaders told us about their living environment.

To observe waterfowl we used binoculars and our eyes.



Species of birds that we observed

WHITE SWAN



WILD GOOSE



WILD DUCK



GULL



RED-CRESTED
POCHARD



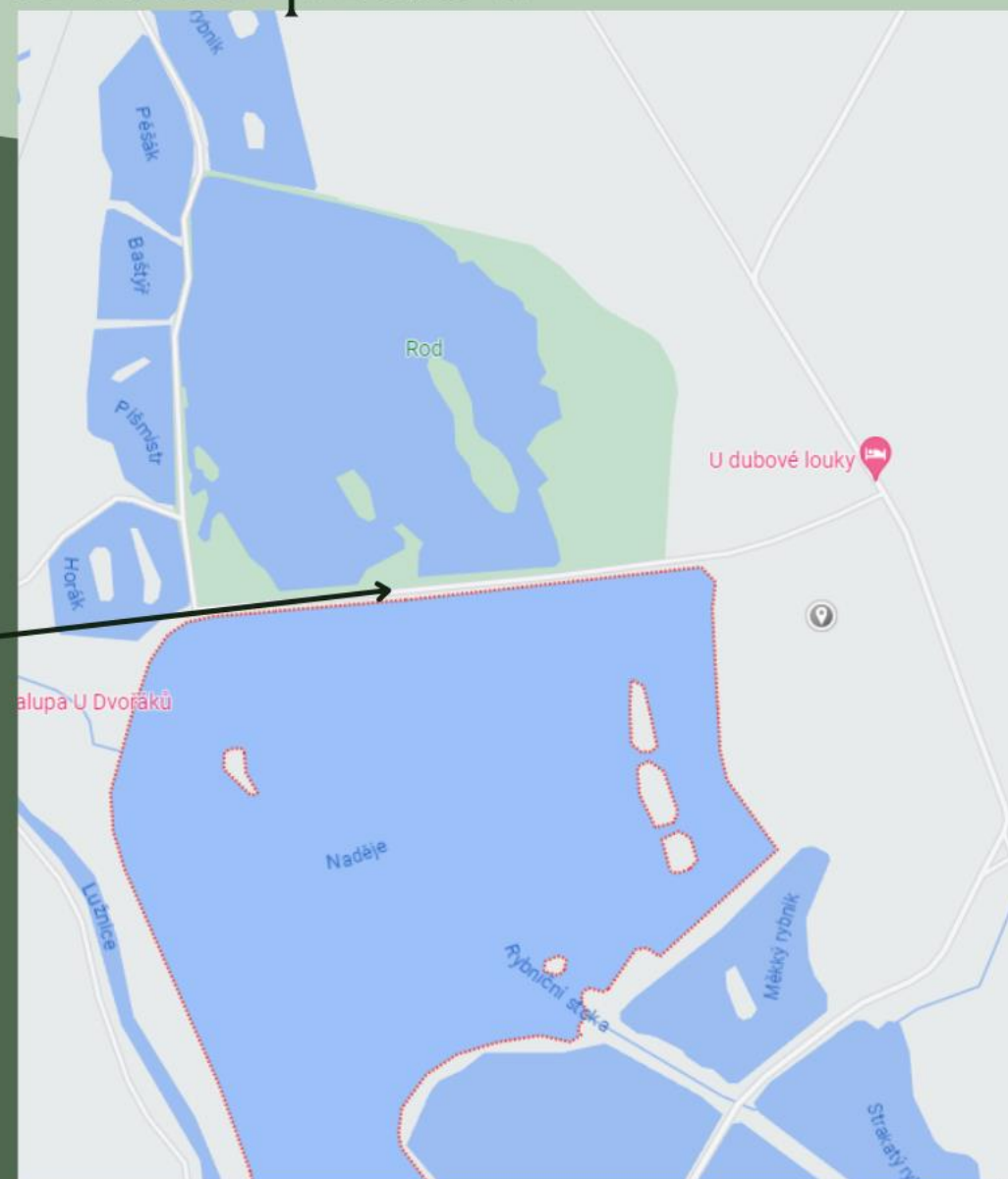
EURASIAN COOT



GREBE

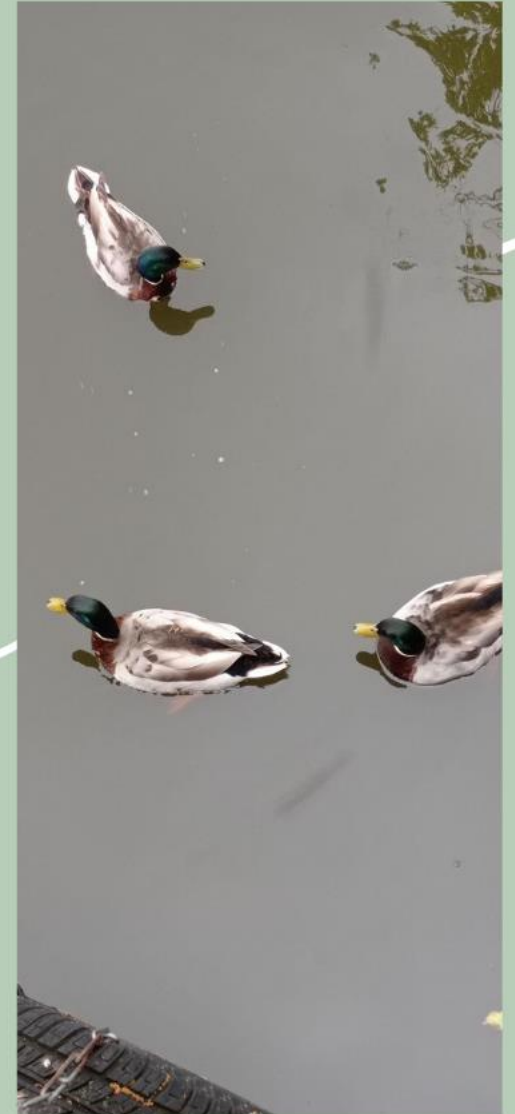


Photos from this place





Some other photos



International Waterbird Census
Wetlands International

International Waterbird Census
Wetlands International

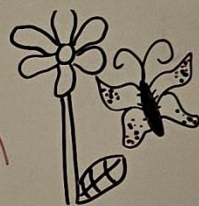
Location:	Pond Rod		
Date and time:	5. 6. 2023, 13:00		
Monitoring conditions:	temperature: 18 °C		
weather:	cloudy	wind intensity:	light wind
disturbance:	minimal		

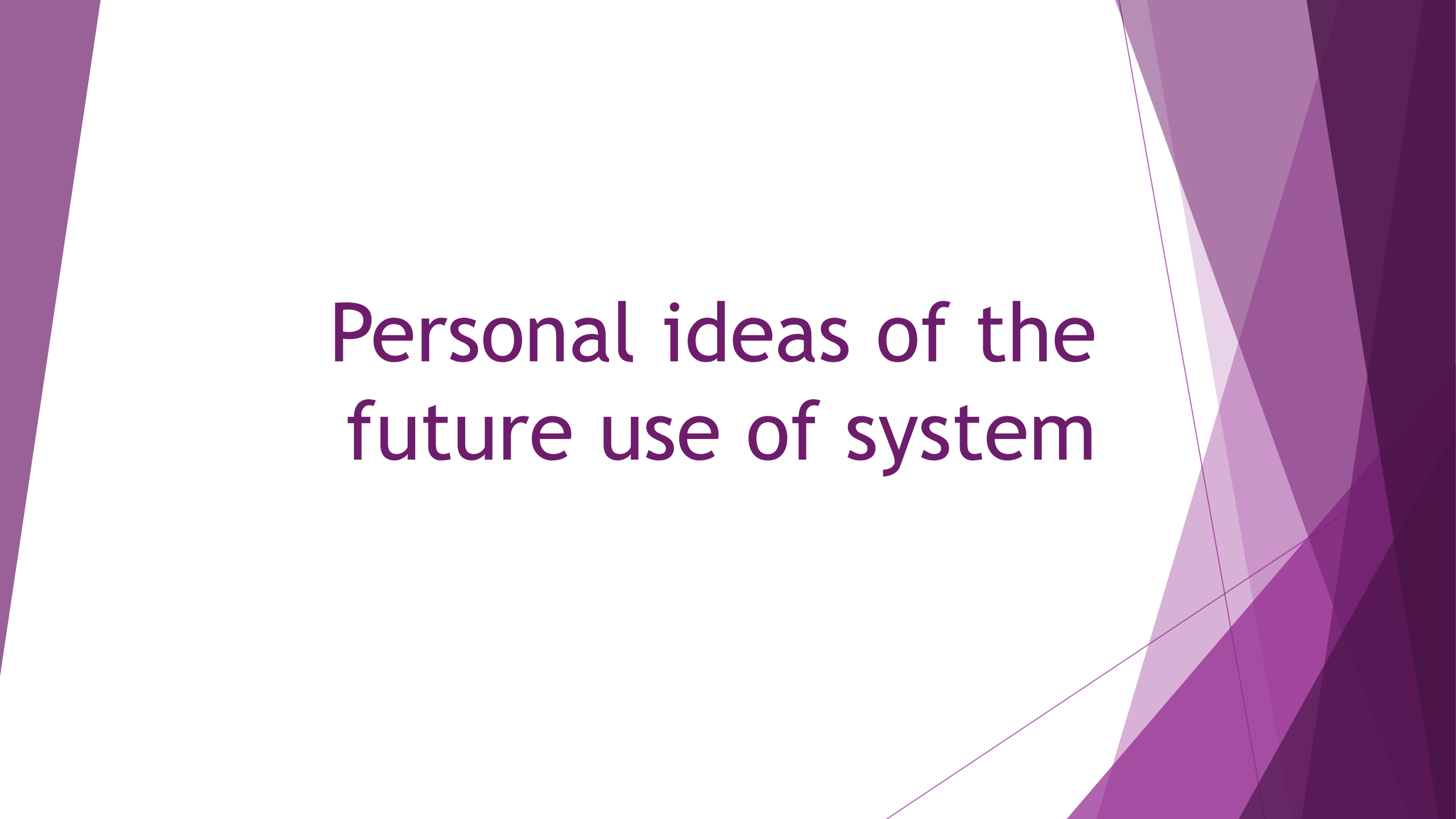
code	species	adult	juvenile	complete
1	potáplice malá			
2	potáplice severní			
3	Podiceps cristatus	2	0	2
5	potápka žlutorohá			
6	potápka černokrká			
7	potápka malá			
8	kormorán velký			
9	volavka popelavá			
11	volavka bílá			
162	labuť zpěvná			
21	Cygnus olor	3	3	6
22	Anser anser	4	4	8
101	husa polní			
153	husa běločelá			
222	neurčené husy			
38	orel mořský			
47	slípka zelenonohá			
48	Fulica atra	1	0	1
57	vodouš kropenatý			
64	bekasina otavní			
67	racek bouřní			
68	racek stříbřitý			
69	Chroicocephalus ridibundus	12	8	20
23	Anas platyrhynchos	10	0	10
24	kopřivka obecná			
25	hvízdák eurasijský			
26	čírka obecná			
29	lžičák pestrý			
30	Netta rufina	1	0	1
31	Aythya ferina	3		3
32	polák chocholačka		0	

Location:	Pond Krajina		
Date and time:	5. 6. 2023, 13:00		
Monitoring conditions:	temperature: 19 °C		
weather:	cloudy	wind intensity:	light wind
disturbance:	minimal		

code	species	adult	juvenile	complete
1	potáplice malá			
2	potáplice severní			
3	Podiceps cristatus			
5	potápka žlutorohá			
6	potápka černokrká			
7	potápka malá			
8	kormorán velký			
9	Ardea cinerea	2	0	2
11	volavka bílá			
162	labuť zpěvná			
21	Cygnus olor	13	4	17
22	Anser anser			
101	husa polní			
153	husa běločelá			
222	neurčené husy			
38	orel mořský			
47	slípka zelenonohá			
48	Fulica atra			
57	vodouš kropenatý			
64	bekasina otavní			
67	racek bouřní			
68	racek stříbřitý			
69	Chroicocephalus ridibundus	16	13	29
23	Anas platyrhynchos	25	55	80
24	kopřivka obecná			
25	hvízdák eurasijský			
26	čírka obecná			
29	lžičák pestrý			
30	Netta rufina			
31	Aythya ferina			
32	polák chocholačka			

Species	Latin	English	Czech	German	Polish	Slovak	Hungarian
1	anser anser	wild goose	husa velká	Gaans	dzika hus		
2	Cygnus olor	white swan	labuť velká	schwan	geś	velká	biel
3	anas platyrhynchos	wild duck	kachna divoká	Ente	ćabędź	labuť biela	hattyú
4	netta rufina	red-billed warbler	zrzohlárka rudozobá	Kolben- ente	gajówka	Zrzohlárka	üstökösreke
5	podiceps cristatus	grebe	potápka roháč	Hauben- taucher	perkoz	Potápka roháč	búbos vörsö
6	chroicocephalus ridibundus	seagull	rácek	Möwe	mewa	čajka	Pankasirály
7	haliaeetus albiaila	whittailed eagle	orel mořský	See- adler	orzel	Orel mořský	Leherfegyér Rétisas



The background features abstract, overlapping geometric shapes in various shades of purple, ranging from light lavender to deep, dark purple. These shapes are primarily located on the left and right sides of the frame, creating a modern, layered effect. The central area is a plain white background where the text is located.

Personal ideas of the
future use of system

Our ideas of use system in future

- Birds monitoring tower with binoculars





Recreation places

It is possible to build tourist trails
and places to rest





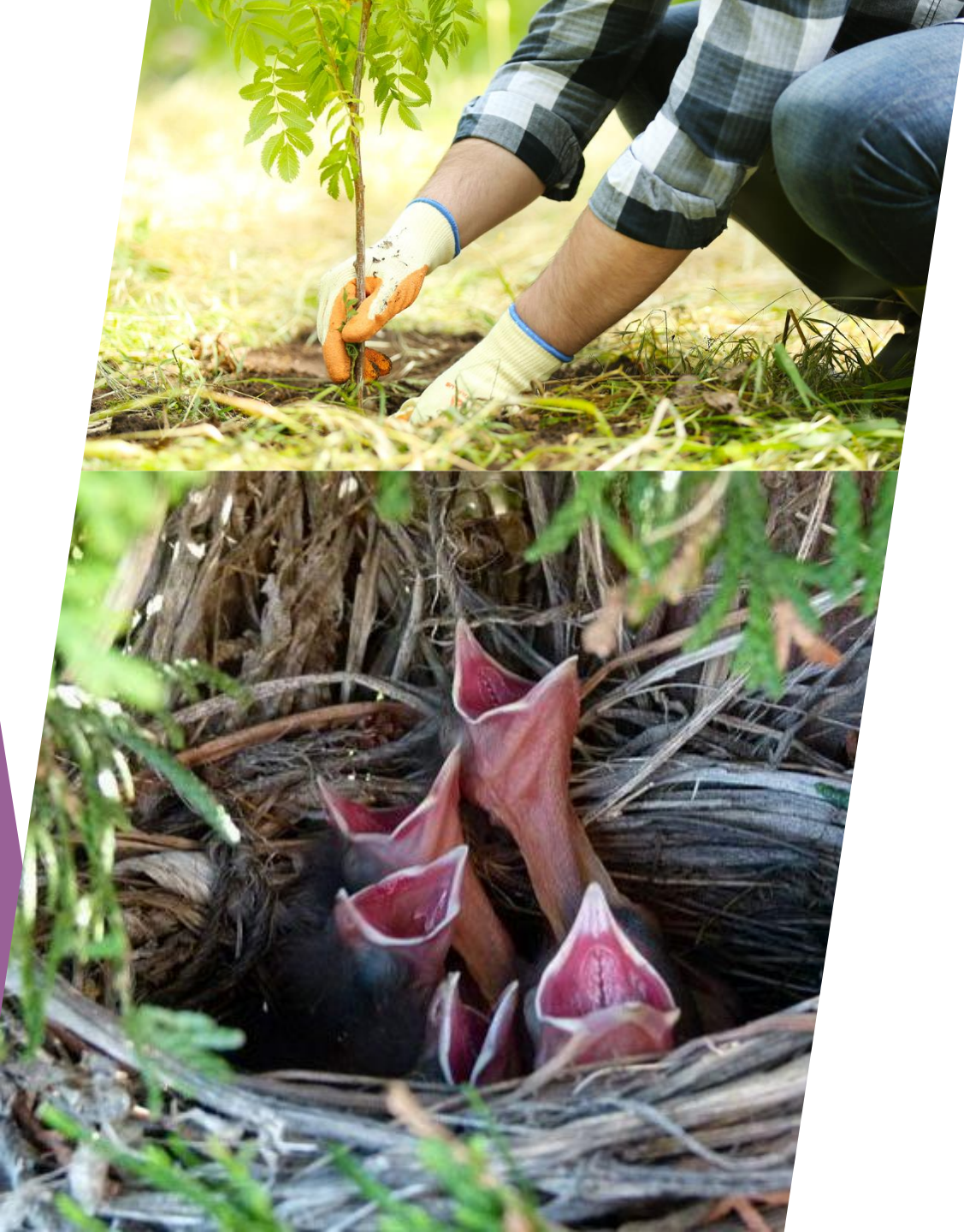
Tourist trails

We could build some trails for focus nature

Cancellation fishing for some areas

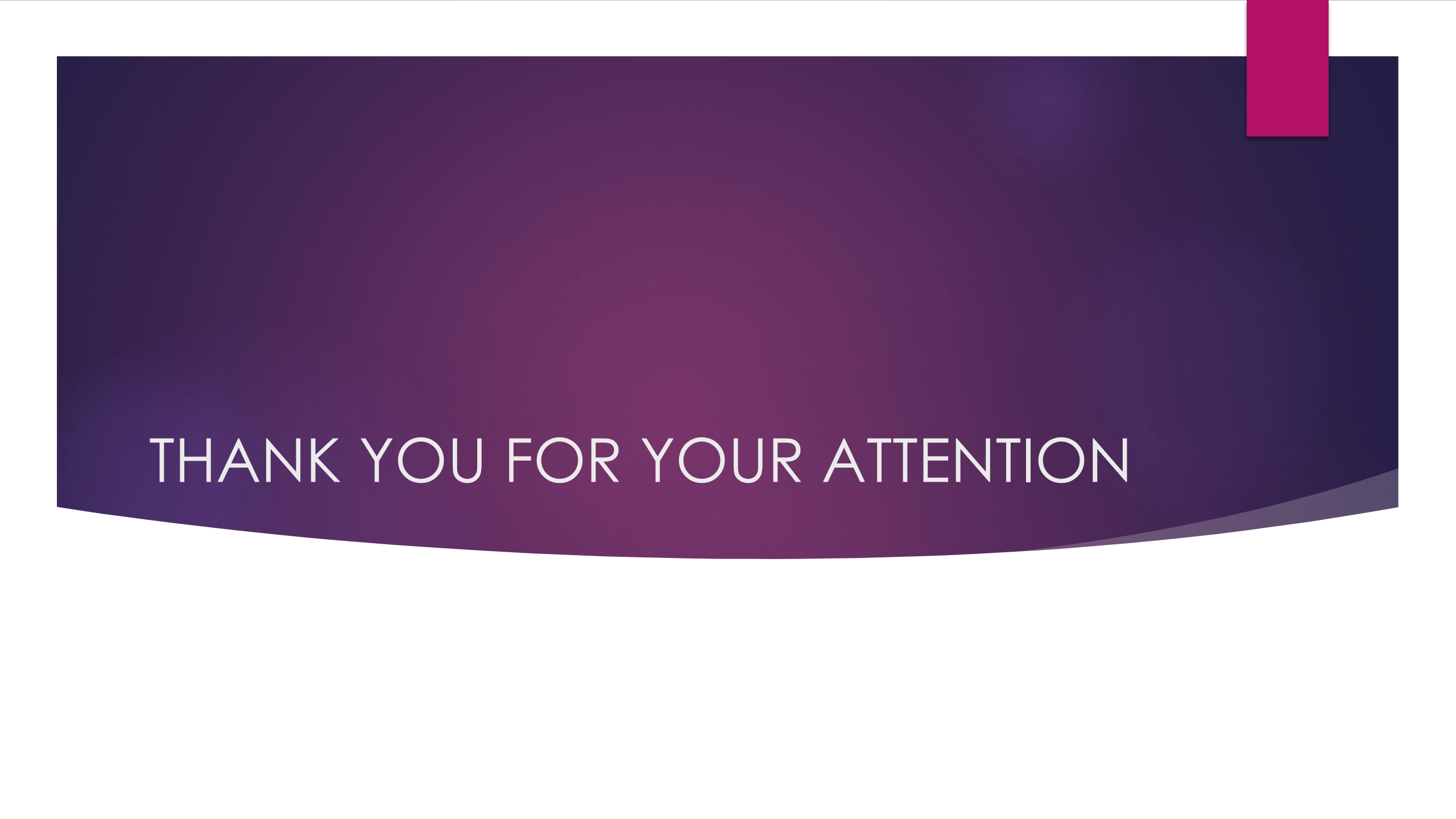
- In some areas there are rare species and we can help to preserve them





Expansion of biodiversity

Planting new areas for animals and preserving their species



THANK YOU FOR YOUR ATTENTION

The project was funded from the budget of the
International Visegrad Fund Program

Project ID: 222 300

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- Visegrad Fund
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