

THE CHRUDIMKA RIVER

in connection with park "Vinice"
and the "Stará vojenská plovárna"



Topalli Julijana
Maximilian Nordtomme
Večeřa Adam
Šmejdivá Rozárie
Travica Dušan
Kublashvili Anhelina
Yaneva Antoniya

ARCHIP

ARCHITECTURAL
INSTITUTE
IN PRAGUE

--- our site

explanation of further connections to the surrounding

1. SPORT AREA
activates movement and recreation

2. NEW DEVELOPMENT
growth and opportunity

3. STARÁ VOJENSKÁ PLOVÁRNA
a key destination and gathering point

4. LOGISTIC STORAGES
city infrastructure and supply flow but restricts access



5. RESIDENTIAL AREAS
everyday living and community, the users, for whom the newly designed space is created to support daily life and community

6. HOSPITAL AREA
supporting overall well-being

7. VIŠNOVKA PARK
greenery, relaxation, and a natural endpoint

8. TRAIN AND CAR CONNECTION
connection over the river to the city center



IMPROVING PUBLIC LIFE
IN THE FOREST...

...BUT KEEPING THE FOREST
AS A WILDLIFE SPACE

THE PROBLEMS...



ACCESSIBILITY
AND CONNECTIVITY



UNUSED STRUCTURES WITH
HERITAGE VALUE



SAFETY



UNSATISFACTORY CONNECTION
OF NATURE WITH PEOPLE –
ATTRACTIONS MISSING



UNUSED BUILDINGS
WITH HISTORICAL VALUE

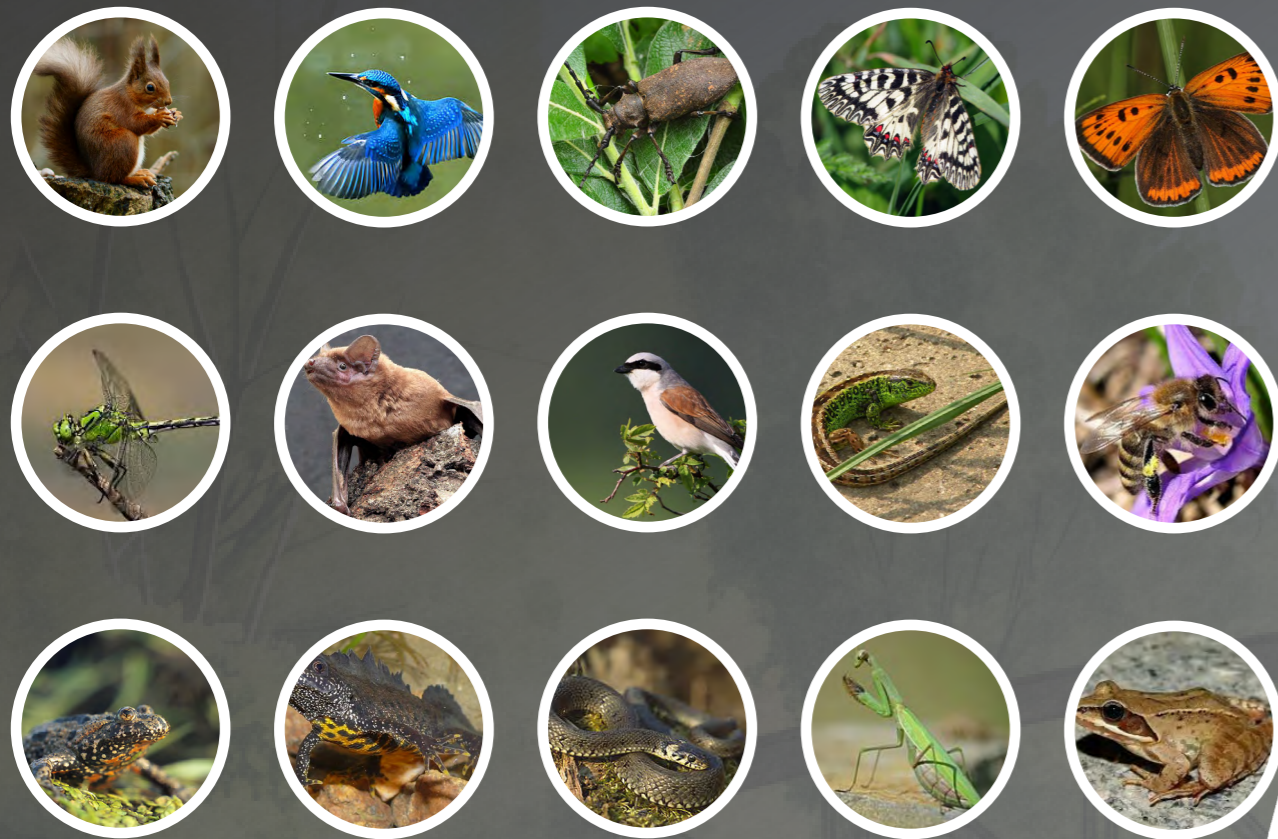


FLOODS

ECOLOGY & BIODIVERSITY

LIST OF HABITATS

1. Lowland watercourses
2. Soft meadows and riparian stands
3. Periodic pools and wetlands
4. Mesophile meadows
5. Dry steppe grasslands on marl slopes
6. Extensive orchards - old "Třešňovka" on the slope
7. Vegetation of sandbanks



MAMMALS: European beaver (*Castor fiber*), Squirrel, Netopýr rezavý (*Nyctalus noctula*), Netopýr vodní (*Myotis daubentonii*), Netopýr parkový, Netopýr hvízdavý

BIRDS: Ledňáček říční (*Alcedo atthis*), Ťuhýk obecný (*Lanius collurio*), slavík obecný (*Luscinia megarhynchos*), Žluva hajní (*Oriolus oriolus*), Vlaštovka obecná (*Hirundo rustica*), Kavka obecná (*Coloeus monedula*), Koroptev polní (*Perdix perdix*)

REPTILES: Ještěrka obecná (*Lacerta agilis*), Užovka obojková (*Natrix natrix*)

AMPHIBIANS: Čolek velký (*Triturus cristatus*), Čolek obecný (*Lissotriton vulgaris*), Kuňka obecná (*Bombina bombina*), Ropucha obecná (*Bufo bufo*), Skokan štíhlý (*Rana dalmatina*), Skokan skřehotavý (*Pelophylax ridibundus*), Skokan zelený (*Pelophylax esculentus*)

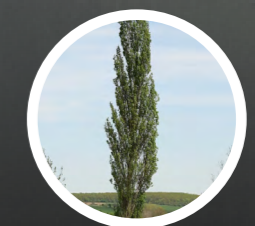
FISH: Bolen dravý (*Aspius aspius*), Parma obecná, Ostroretka stěhovavá, Jelec tloušť, Jelec jesen, Štika obecná, Candát obecný, Sumec velký, Úhoř říční, Kapr obecný, Lín obecný, Cejn velký

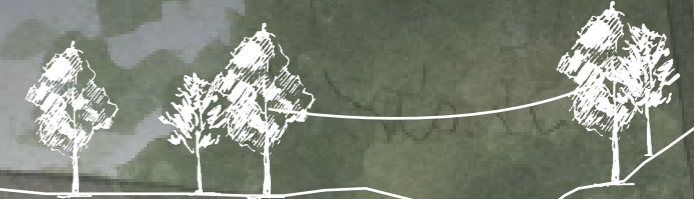
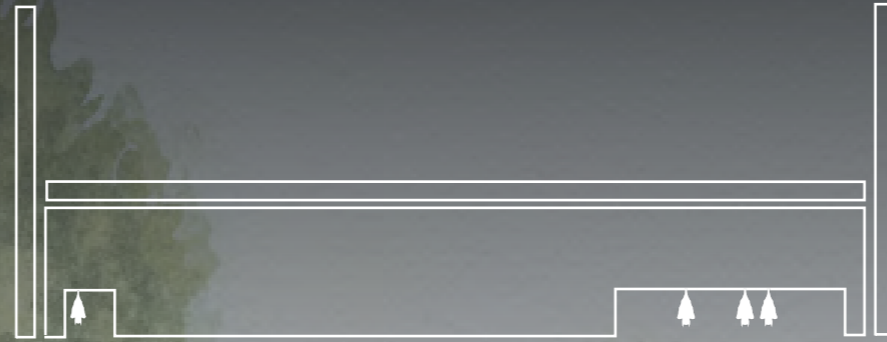
CRUSTACEANS AND MOLLUSKS: Listonoh letní (*Triops cancriformis*), Velevrub malířský (*Unio pictorum*), Velevrub nadmutý (*Unio tumidus*), Škeblička plochá, Hrachovka obrácená

INSECTS: Butterflies, Ohniváček černočárný (*Lycaena dispar*), Pestrokřídlec podražcový (*Zerynthia polyxena*), Batolec červený (*Apatura ilia*), Otakárek fenýklový, Modrásek jetelový, Soumračník jahodníkový

BEETLES: Kozlíček vrbový, Zlatohlávek skvostný, Zlatohlávek huňatý, Zlatohlávek tmavý, Lesák rumělkový, Prskavec menší (*Brachinus ex-plo-dens*)

OTHERS: Kudlanka nábožná (*Mantis religiosa*), Vážka klínatka rohatá, Vážka klínatka vidlitá, Drvodělky, Solitary bees





Wooden constructions reuse of old tree trunks, pools and rapids to improve biodiversity directly on the Chrudimka River and in its surrounding



Bat roosts in bridge the structure – slots and rough surfaces integrated into the bridge body to serve as summer and winter roosts for bats



Animal connection corridors – animal bridges made out of ropes between the trees, ropes can be used also for people as swings above the water

RECREATION & EVERYDAY LIFE

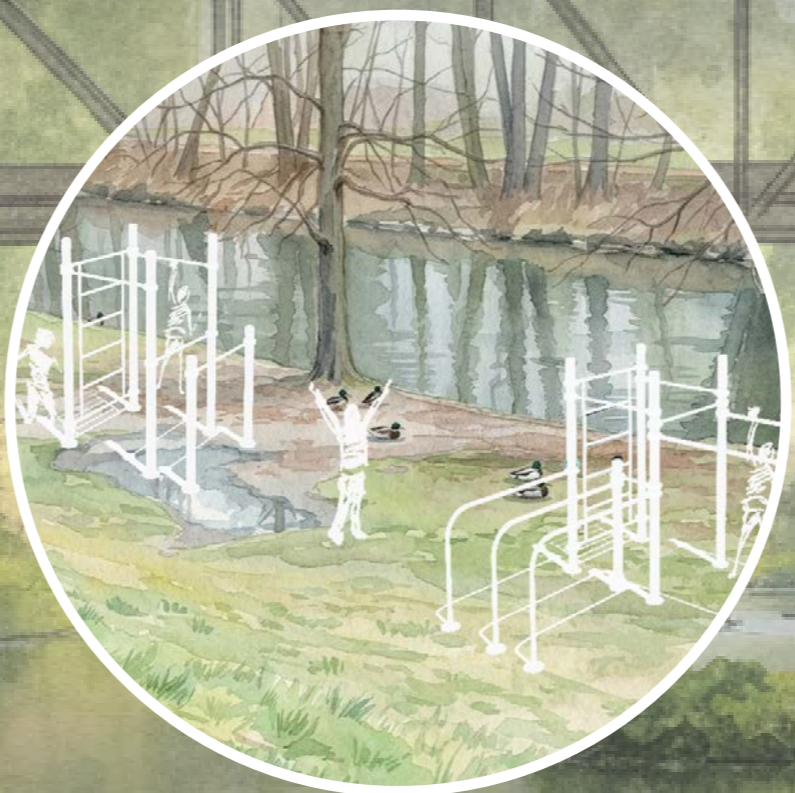


Reshaping the riverbank to create a gentler, more natural slope to the water, replacing sharp oversized rocks with smooth rounded stones for a safer and more visually harmonious gradient from the path to the river.





Transformation of the existing military bridge foundation into a public climbing structure. Reusing existing infrastructure, adding vertical activity, and creating a landmark that attracts both active users and observers.

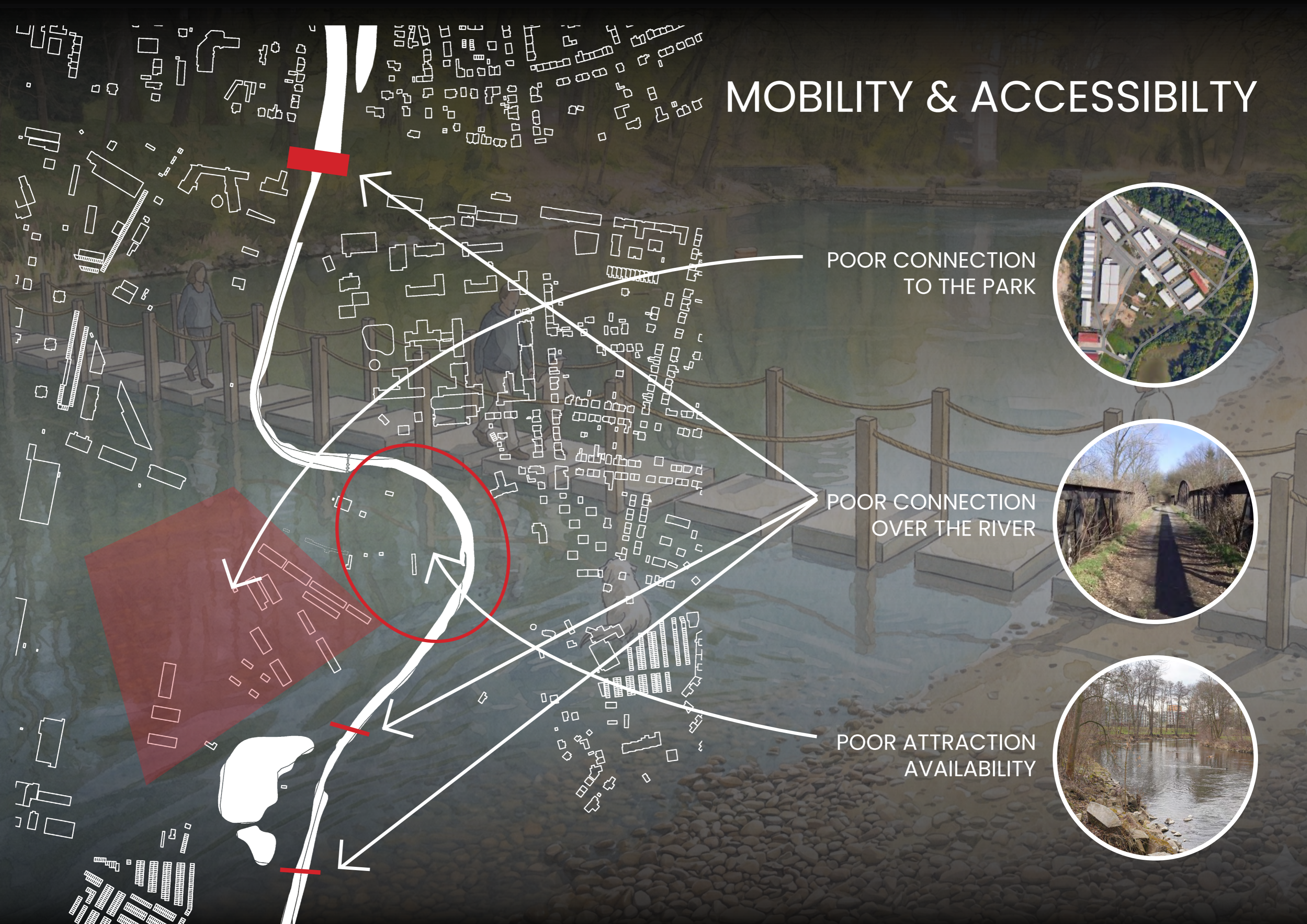


Open access exercise structures positioned along the river edge to support everyday physical activity. Social interaction, visibility, and shared use, activating the landscape throughout the day.



Natural stone elements placed within the River. Enabling informal crossings and close interaction with water. Encouraging play and rest, and creating micro habitats that support aquatic biodiversity.

MOBILITY & ACCESSIBILITY



POOR CONNECTION
TO THE PARK



POOR CONNECTION
OVER THE RIVER



POOR ATTRACTION
AVAILABILITY





Wooden constructions, stairs to the water serving as a public and observation space. Fitness / educational trail that follows the path.



Solidified paths, lights increasing the safety.



Footbridge, river crossing connecting two sides of the river and improving access between neighborhoods and park areas.

UPGRADING THE PATH



Upgrading path with a stable, permeable surface that supports natural drainage while providing comfortable access. Integrated seating and discreet waste bins enhance usability, and low-impact lighting with carefully selected color temperature ensures safety after dark without attracting insects or disturbing local wildlife.

CLIMATE RESILIENCE



Floating-leaved plants for shade, cooling and algae control.

Nymphaea alba, *Nuphar lutea*, *Hydrocharis morsus-ranae*



Potamogeton praelongus, *Ranunculus*, *Myriophyllum spicatum*, *Ceratophyllum demersum*

Submerged & oxygenating plants for water purification.



Emergent / shallow water plants that serves as a key for retention basins.

Typha latifolia, *Phragmites australis*, *Iris pseudacorus*, *Sagittaria sagittifolia*, *Butomus umbellatus*

Wet meadow / bank plants for biodiversity and resilience.

Lythrum salicaria, *Mentha aquatica*, *Carex* species, *Juncus* species, *Ludwigia palustris*



Utilizing the lakes as retention basins serving ecological and resilience goals. Adding more biodiversity.

FOOTBRIDGE RIVER CROSSING



Creating a direct and engaging connection between the two sides of the park. Designed to sit low within the water, the crossing allows visitors to experience the river up close while maintaining full permeability of the channel, ensuring that natural water flow remains unobstructed. The robust, minimally intrusive construction is resilient to flooding, allowing water to pass freely over and around the blocks without causing structural damage, additional erosion, or contamination of the river environment.

IDENTITY & CULTURE



MILITARY SWIMMING AREA
MEETING SPOT



MILITARY PRACTICES
HISTORICAL VALUE OF
STRUCTURES THAT SURVIVED



SUMMER REFRESHMENT
AND SWIMMING



WILDLIFE NATURE
THAT IS PART
OF THE CITY



CANOE CLUB



CHRUDIMKA

GENIUS LOCI



Renovating the unused on-site building to transform it into a welcoming social space, such as a coffee shop, where people can gather, relax, and connect.

Organizing community events and hosting temporary cultural installations to create a vibrant, engaging environment that brings people together.

Adding publicly accessible toilets for passersby and coffee shop visitors, along with providing potable water and light refreshments to support comfort and well-being.

THANK YOU

Topalli Julijana
Maximilian Nordtomme
Večeřa Adam
Šmejdivá Rozárie
Travica Dušan
Kublashvili Anhelina
Yaneva Antoniya

ARCHIP

ARCHITECTURAL
INSTITUTE
IN PRAGUE