

TAKING
COOPERATION
FORWARD



Managing the Protection of Cultural Heritage in Changing Environment
Prague, Municipal House, 27 June 2019



Case Study Praha - Troja



Municipal District Praha - Troja, Tomáš Drdáký, Vice Mayor

Municipal District Praha -Troja

Number of residents 1 200

Number of visitors 2 mil.

Area 336 ha

Cultural heritage

Troja Chateau, St. Claires' and Salabka vineyards

Zoological and Botanic gardens

World championships in white-water slalom

Nature park Drahan-Troja

Nature reserves and monuments



Municipal District Praha -Troja

Troja hosts the Zoological and Botanical Gardens and there is a relatively diverse scope of cultural and touristically attractive landmarks in the neighbourhood



Chateau Troja with garden



Prague Zoo



St. Claire's vineyard and chapel and Botanical garden



Residence Sklenářka



Troja mill



St Wenceslas chapel



White water sports canal



Municipal District Praha -Troja



Municipal District Praha -Troja

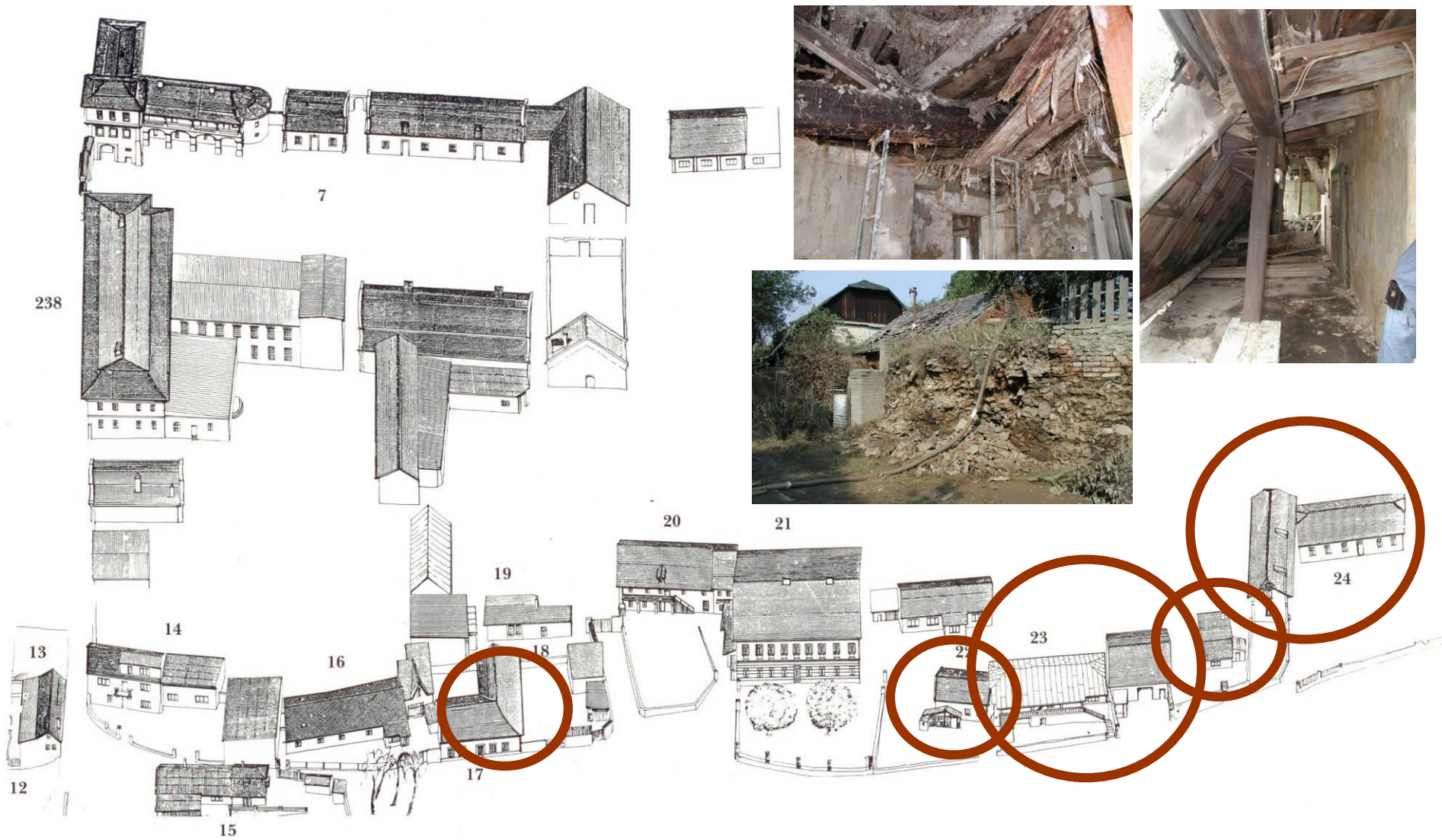


During the 2002 flood





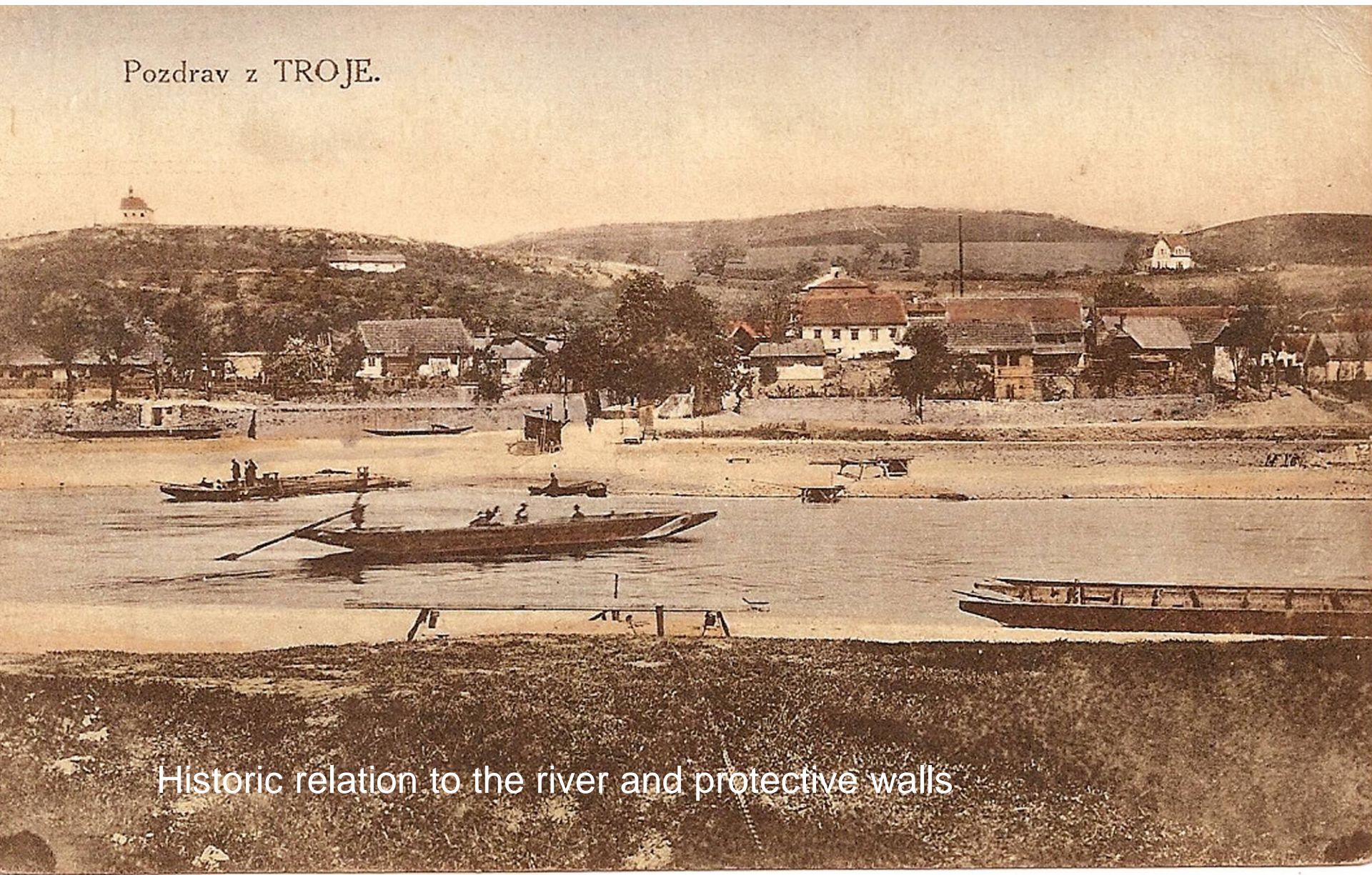




**protected heritage zone Rybáře in Prague Troja District
Lost heritage after the year 2002 flood – in circles**

Municipal District Praha - Troja

Pozdrav z TROJE.



Historic relation to the river and protective walls



Response to recent floods in Praha...

Line of proposed protective barrier





Flood during the construction works





ZONA



Permanent flood barriers in Troja













ALA-92-71







STRATEGIES for flood walls within historic urban zone:

- INTEGRATION
into historic buildings by structural reinforcement
- POSITIONING
pushing alignment beyond river banks
- TYPOLOGY
differentiating structure according to site specifics by articulating or emphasizing architectural/urban *or landscape character*
- HEIGHT
reducing maximum height of structure
- SURFACE/TEXTURE
visually adjusting structure to surroundings

Local Urban Values to be considered and protected

identified by Troja citizen through questionnaire surveys

- Spacial, functional, aesthetic
- Genius Loci, Character, DNA of the place
- Urban Landscape with cultural monuments
- Visual Integrity of the Townscape
- Visual Integrity of the Public Spaces (interior of the area)
- Green territory, free open space
- Easy access to the river
- Image of the District, Urban Quality of Life
- Orientation, Perception, Ownership...“hometown“
- Scale of the public spaces, pedestrian zones, houses....walls

Recent flood in Praha – Troja, 2013

Protective barriers saved
bigger part of the district,
The flood affected Troja Chateau
and several cultural monuments
and individual houses



Municipal District Praha -Troja



Podhoří – private historic houses

Troian horse cultural centre



Community support during the flood





Rozšíření ÚČOV –původní návrh




Discussion about the future of Troja basin



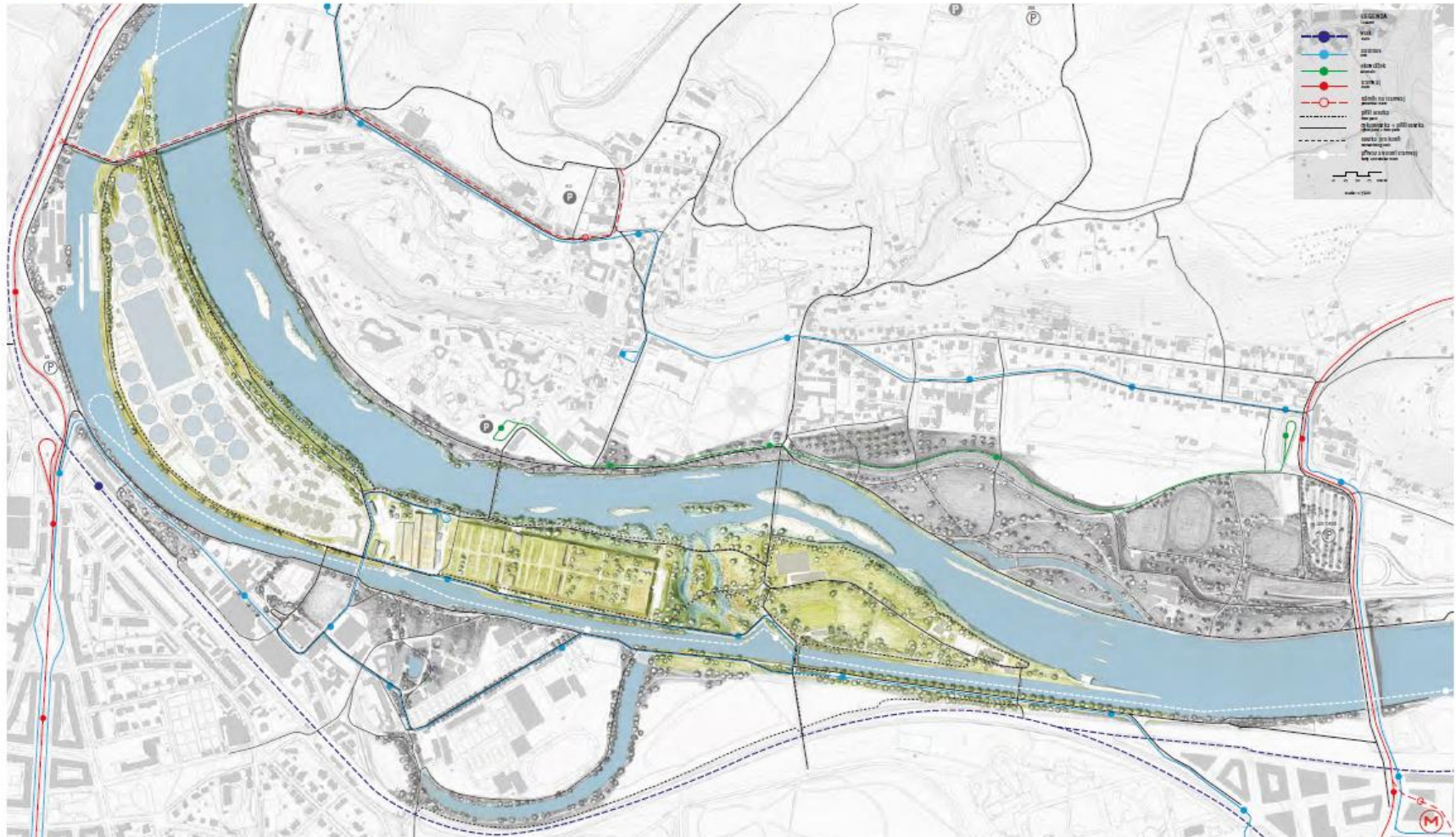
VYMEZENÉ ÚZEMÍ PRO SOUTĚŽNÍ WORKSHOP CÍSAŘSKÝ OSTROV A OKOLÍ

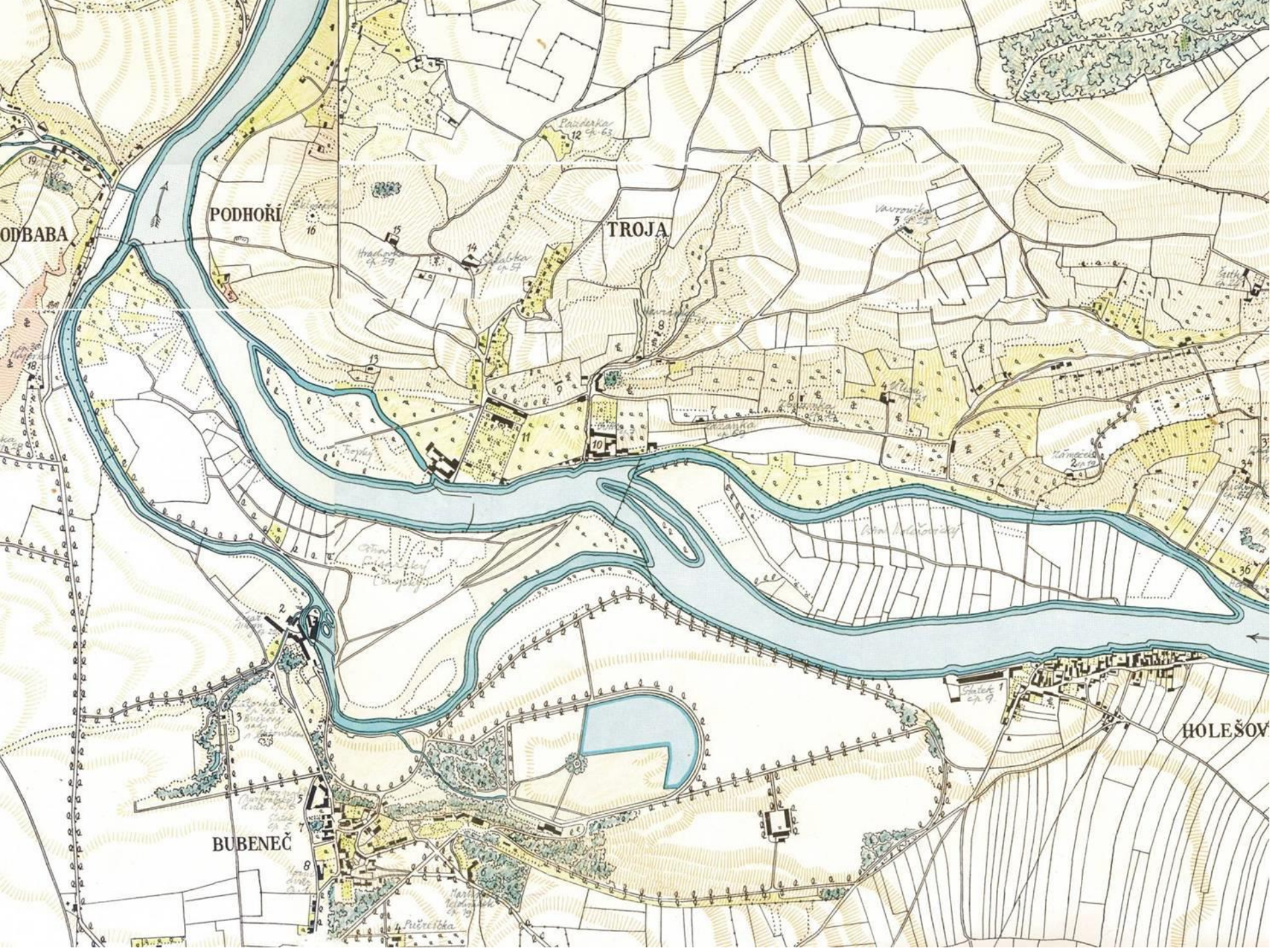


Vymezené území pro jednotlivé úlohy

-  Rámcový plán a Design Manual Císařského ostrova a jeho okolí
-  Integrované krajinářské řešení vödochopdárských kompenzačních opatření
-  Zadávací studie změn veřejného prostřanství NVL

General landscape plan addresses the wider environment, defines a framework of public spaces and landscape, together with the accessibility and throughflow of the area.





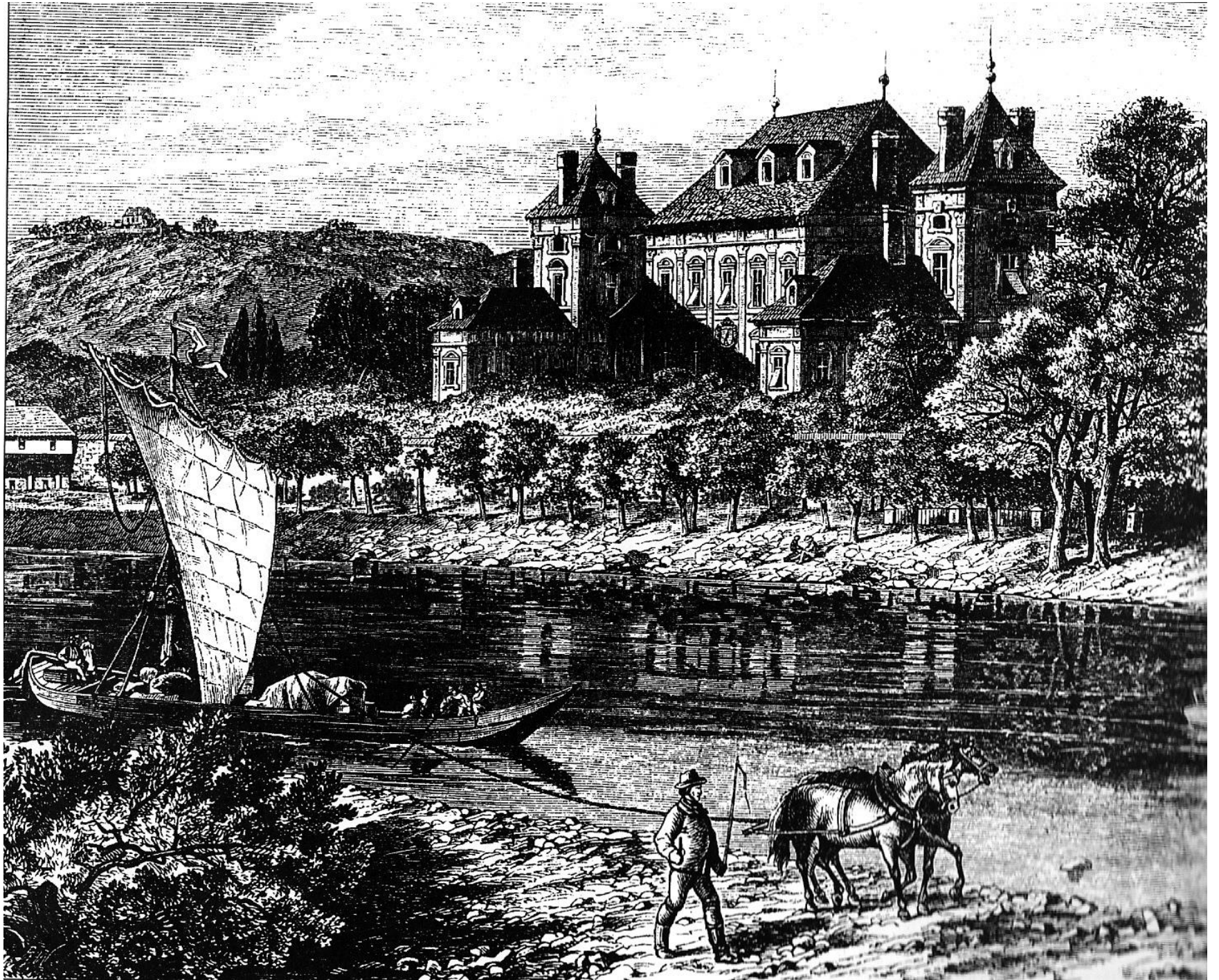
ODBABA

PODHOŘÍ

TROJA

BUBENEČ

HOLEŠOV





L. Pacheria del.

L. R. G. Augusty sc.





Typical urban damage due to flooding:

No change

- after flood drying,
- repair, restoration

Temporary or permanent change in:

- Fabric
- Urban structure
- Public spaces (separation, walls, barriers)
- Parks, greenery
- Function, serviceability
- Infrastructure (technical, transport)
- Socio-economic structure of inhabitants
- Ownership (physical, social meaning)

Loss

- Demolition- clearance of buildings and blocks
- Change of urban pattern, townscape (scale of public spaces, character)
- Loss of the „memory of the place“

Typical garden, park and landscape damage examples:

- loss or displacement of material
- abrasion by drifted material
- soil erosion
- scoring
- damage to trees
- root decay and soil weakening
- long lasting effect







Expected outcomes

Organizational measures

- Improving the state of the art of Risk Plan of the Municipal District (Part of District Troja - Podhoří)
- Evacuation and Rescue Plans for Troja Chateau, Troja Mill
- Training exercises

Permanent Measures - Technical improvements

- Interdisciplinary discussion
- Define values, technical possibilities,
- Define impact (cultural heritage protection, urban, physical, hydrological, social, landscape)
- Define complex criteria for analysis and assessment

 Design of Measures