

# EVOLUTION CHALLENGES OF URBAN RIVER LANDSCAPE – THE EXAMPLE OF ZAGREB



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# CONTENT

- Zagreb's identity
- history and urban development
- regulation plans and projects
- strategic development projects
- green infrastructure/protected green areas
- future challenges



# CITY OF ZAGREB - GREEN CITY



The City of Zagreb  
as administrative and urban entity

## Zagreb Administrative Area

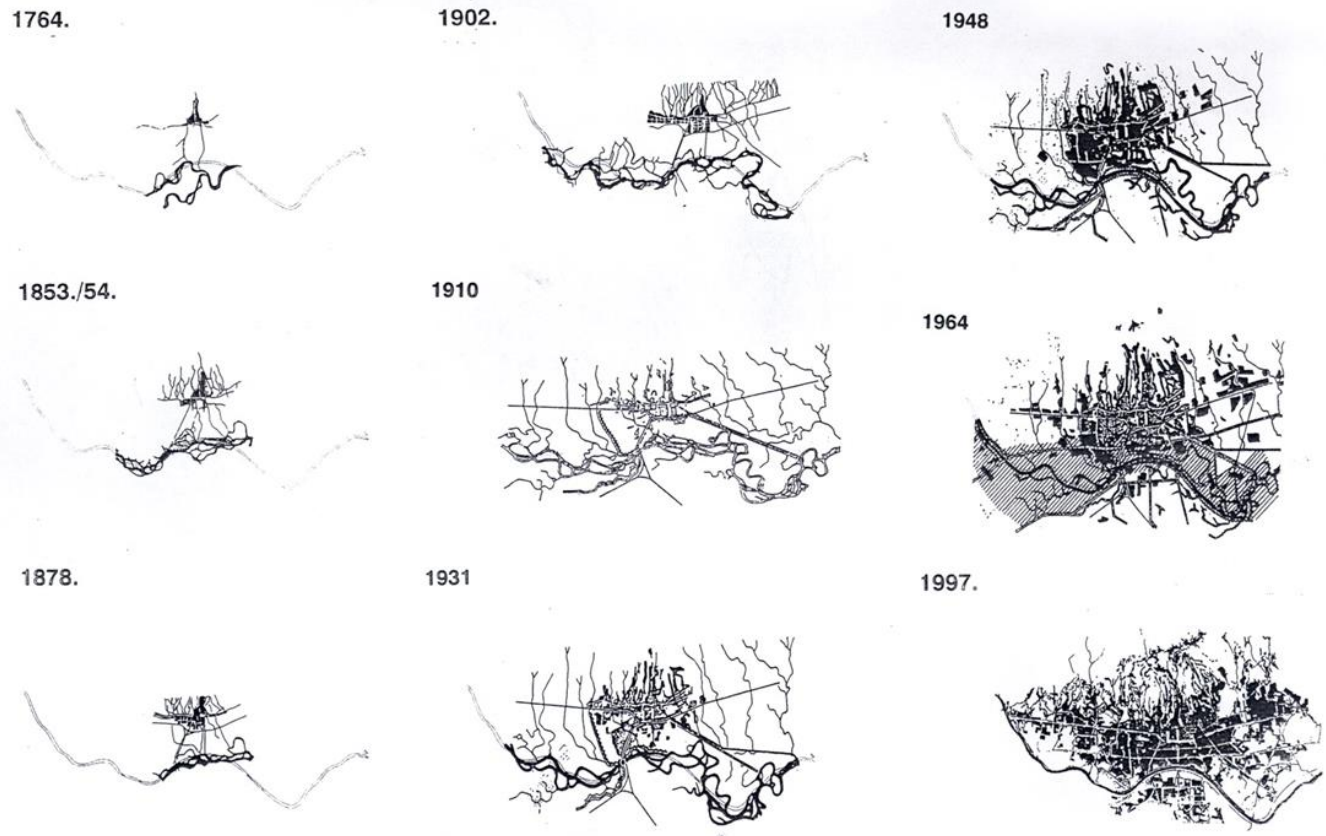
1/3 - forest, Medvednica Nature Park;  
1/3 - agricultural land;  
1/3 - urban settlements.

900 ha – parks;  
360 ha - forest parks;  
350 ha - protected natural  
monuments and parks.

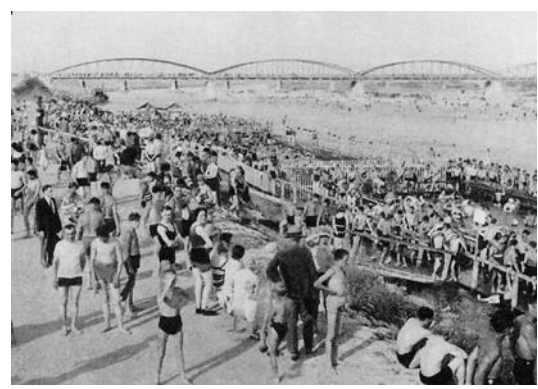
**Sava river landscape** has important  
biodiversity

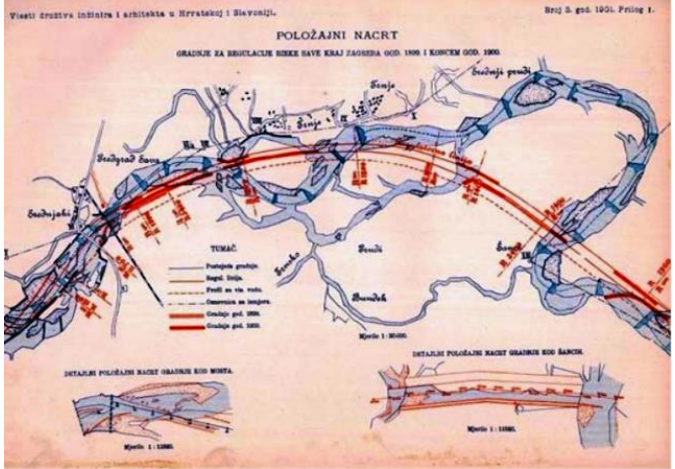
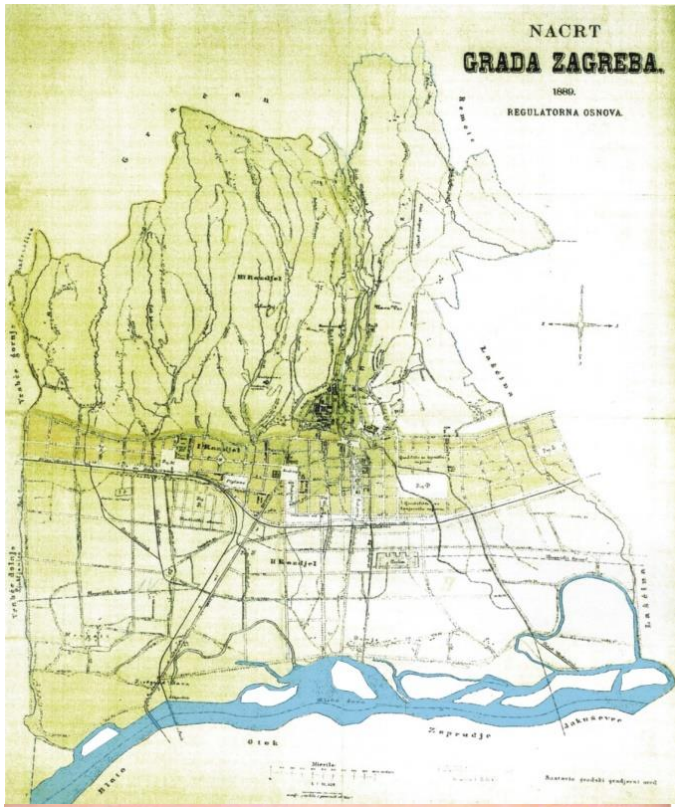


# HISTORY AND URBAN DEVELOPMENT



City of Zagreb - urban growth





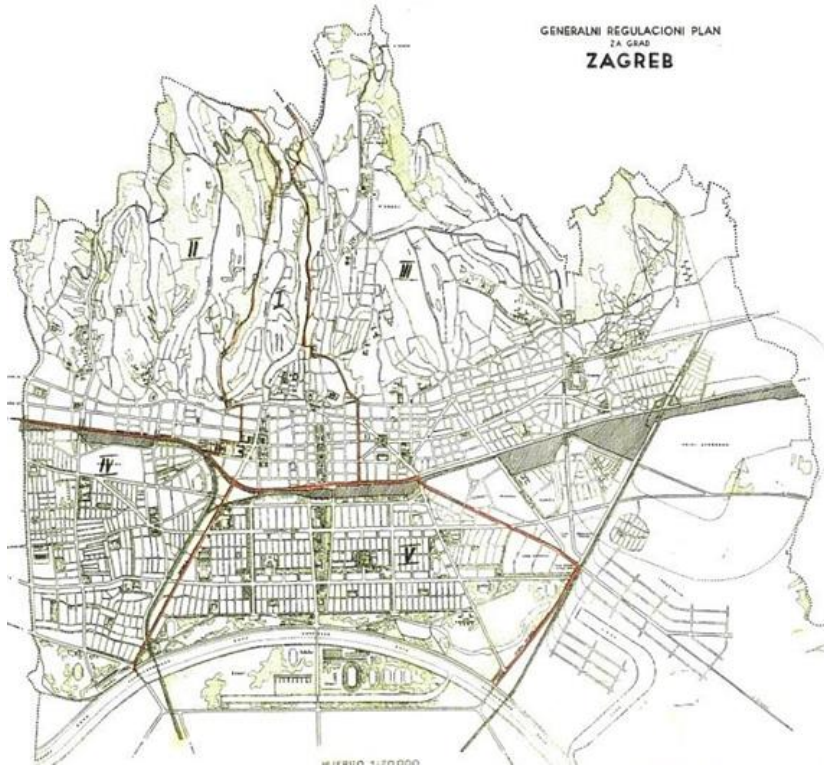
# FLOODS



**FLOODS**  
1894, 1930, 1936, 1964

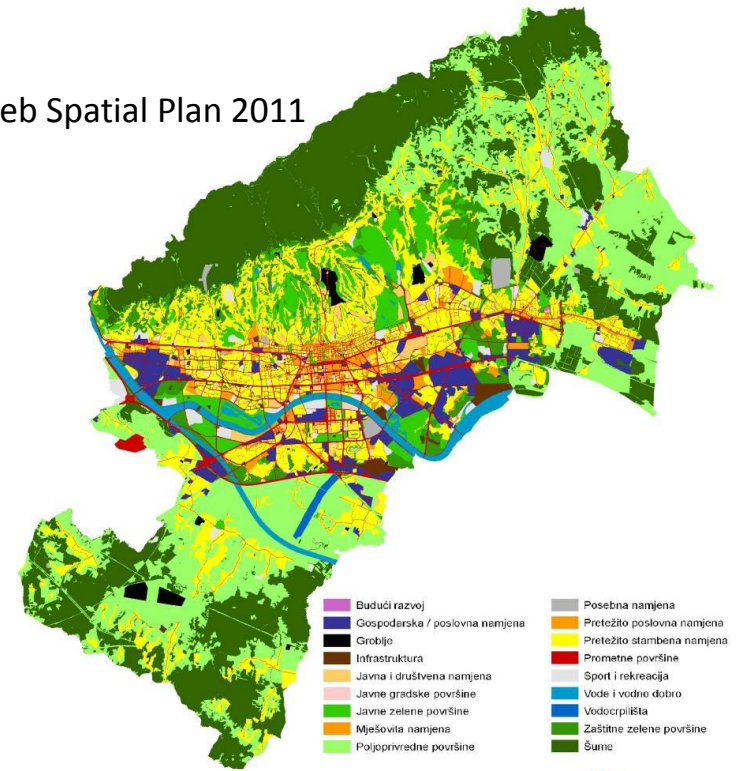
**RIVER SAVA**  
**REGULATION PROJECTS 1899**

# REGULATION PLANS



City of Zagreb Master Plan 1936

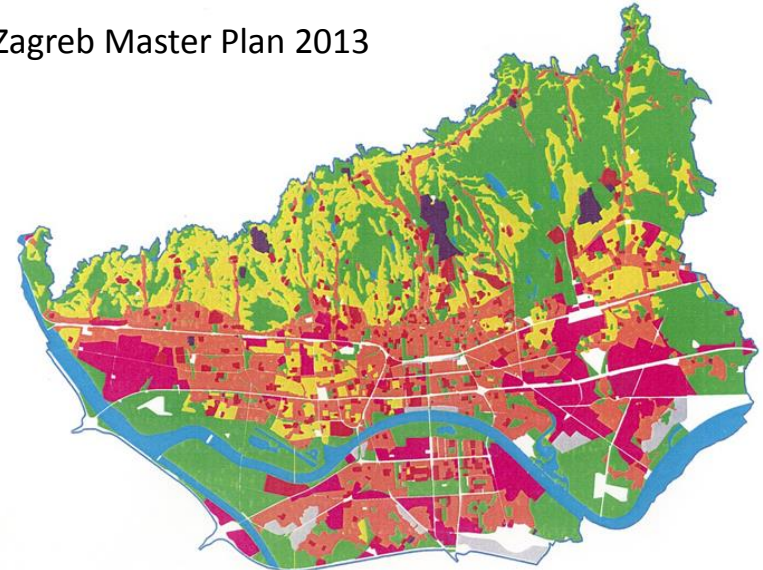
City of Zagreb Spatial Plan 2011



City of Zagreb Master Plan 2013

GENERALNI URBANISTIČKI I  
GRADSKO P  
NAMJENA POVR  
BROJ KARTOGRAFSKOG P  
M 1:8000

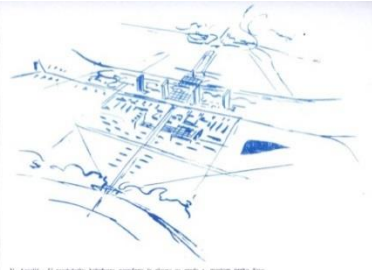
LEGENDA  
STAMBENA NAMJE  
MJEŠOVITA NAMJE  
JAVNA I DRUŠTVE  
GOSPODARSKA NA  
ŠPORTSKO-REKRE  
JAVNE ZELENE P  
POVRŠINE INFRAI  
GROBLJE  
BUDUĆI RAZVOJ  
VODENE POVRŠIN



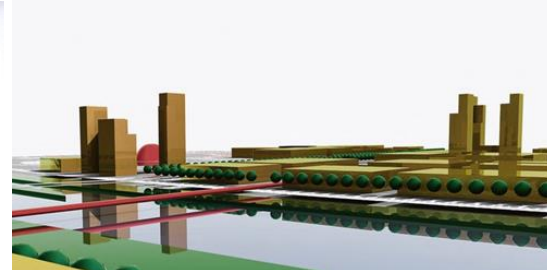
# RIVER SAVA AND RIVERFRONT PROJECTS



V. Anđelić - Mesta registrirane zemlje uzduž Dunava - Plan izgleda



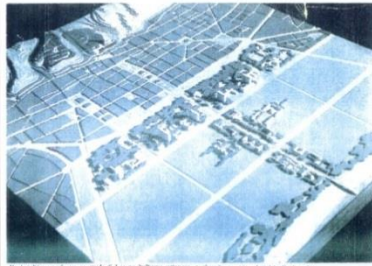
V. Anđelić - U području kolonijalnog prostora je glavni na glavi s. novom parob. linij



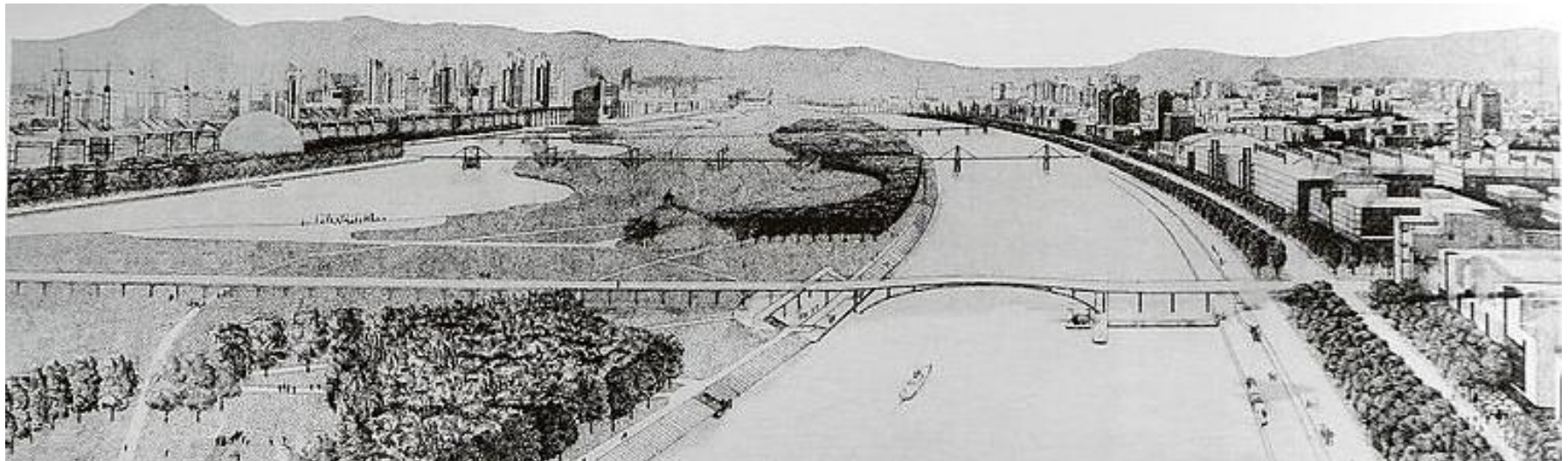
Competition project 1996



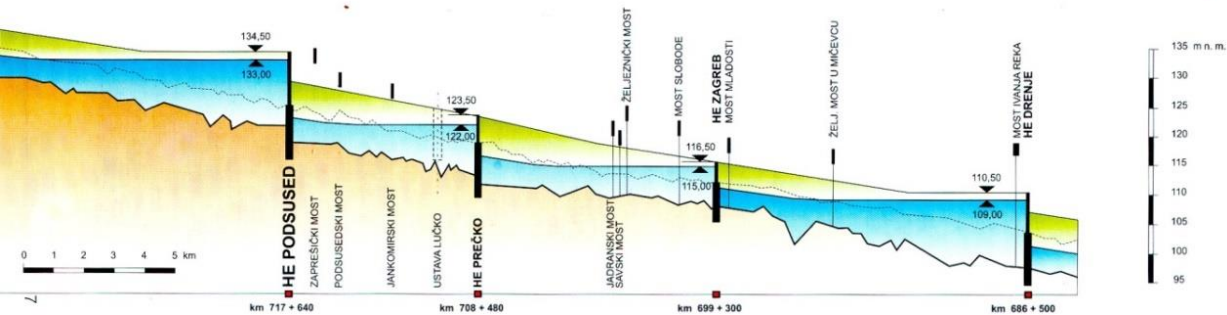
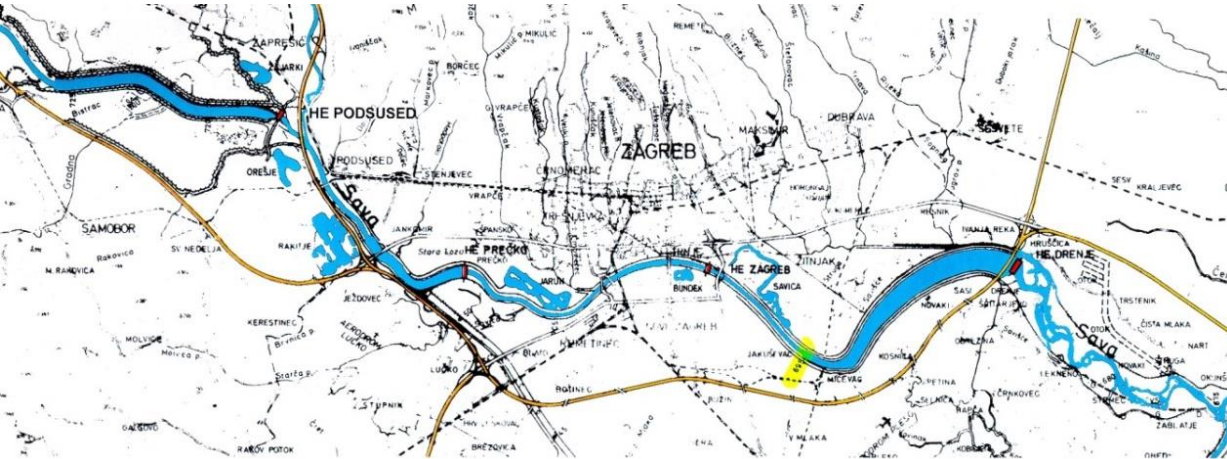
V. Anđelić - Regulačna zona



V. Anđelić - Na glavni na glavi S.2. parob. kolonijalnog prostora, a zadržati na taj kompozicioni osion (Arhitekta Viktorovska ulica)



# RIVER SAVA PROJECT



SITUACIJA I UZDUŽNI PROFIL RIJEKE SAVE S PLANIRANIM HIDROELEKTRANAM



Strategic City and regional project

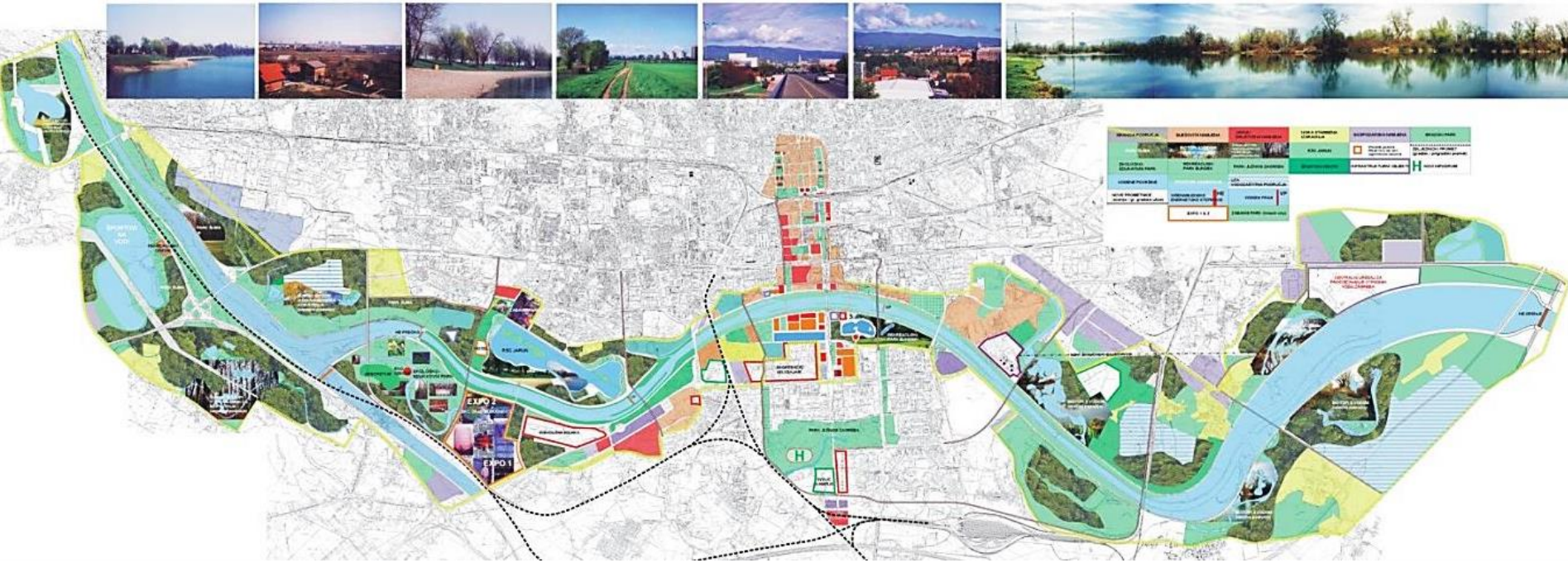


CoE EUROPEAN LANDSCAPE CONVENTION

Water, landscape and citizenship in the face of global change, Seville, 14-15 March 2019



# RIVER SAVA AND RIVERFRONT PROJECTS



Urban development and nature/ landscape preservation – a sustainable combination

Zagreb geothermal spa - location

Savica eco park



CoE EUROPEAN LANDSCAPE CONVENTION

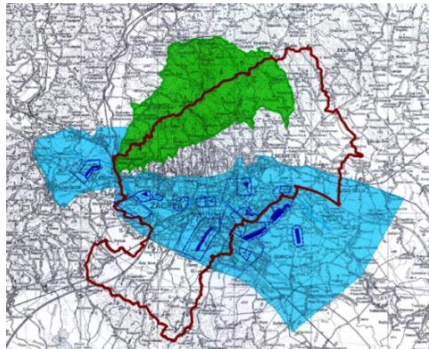
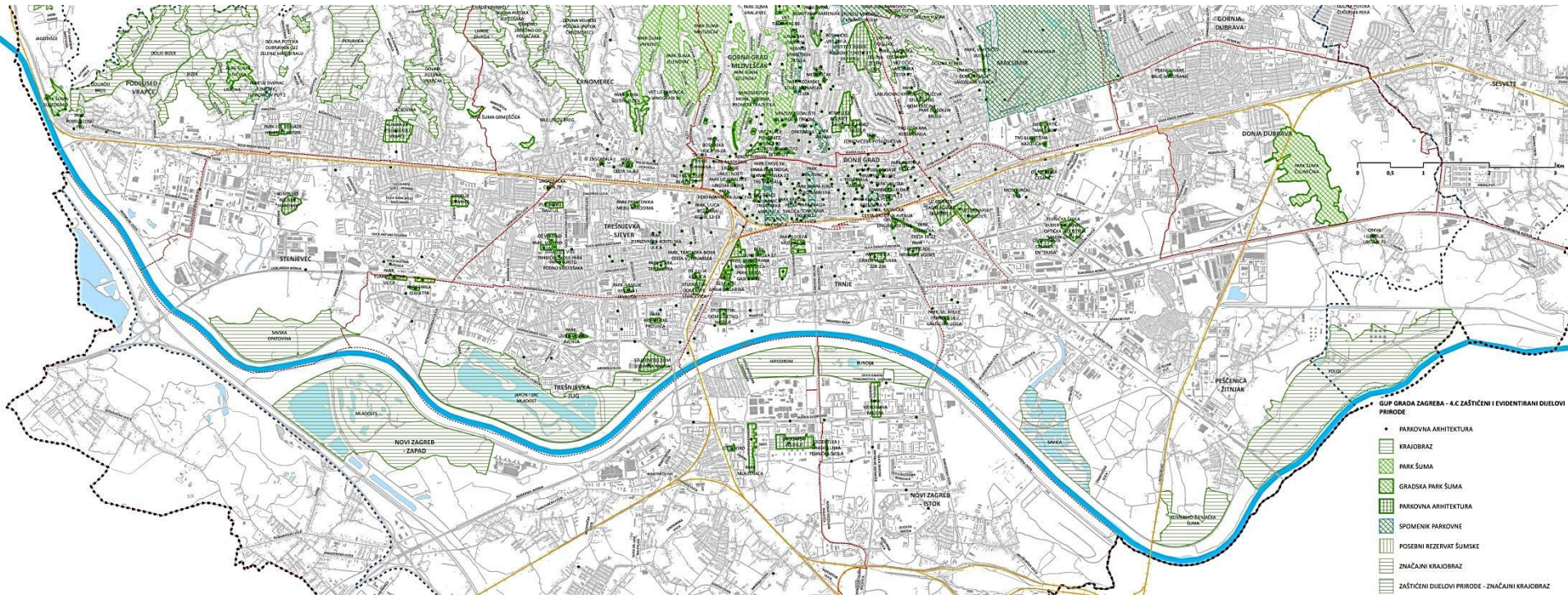
Water, landscape and citizenship in the face of global change, Seville, 14-15 March 2019

# ZAGREB ON SAVA - STRATEGIC PROJECT

EUROPEAN PROJECTS



# GREEN INFRASTRUCTURE / PROTECTED GREEN AREAS



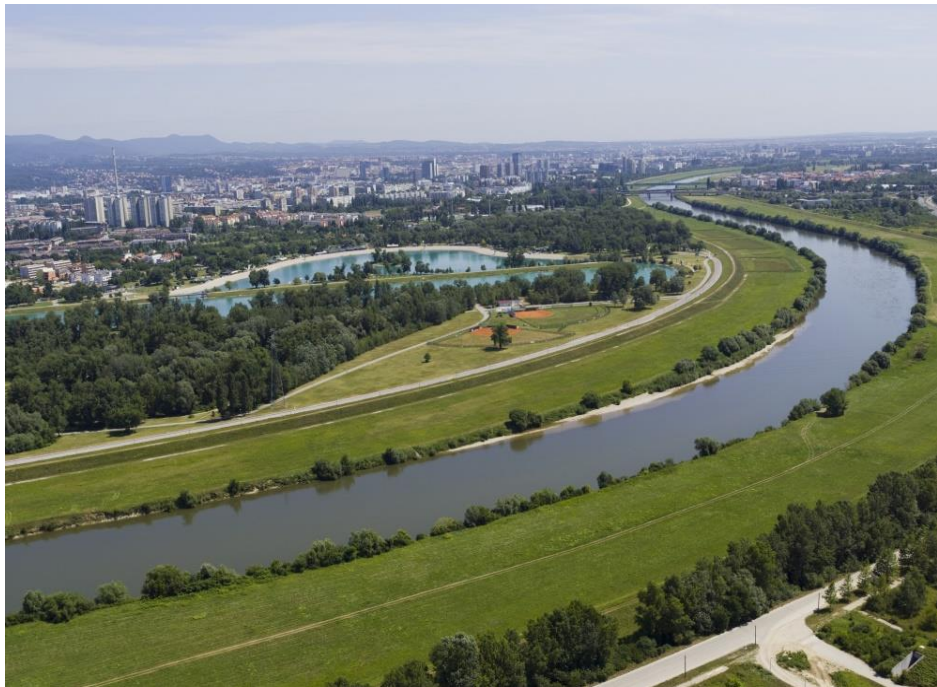
# FUTURE CHALLENGES

## IMPORTANCE OF URBAN RIVER LANDSCAPE:

- for water resources, nature protection, recreational areas;
- for design of urban riverfront areas;
- environmental, social, natural, cultural values (green spaces, urban ecology and life quality) provide economic benefits;
- provide new opportunities for inhabitants and improve river in morphological and economic terms.

## RISK OF FLOODS

Floodplains are susceptible to flooding. Importance should be given to flood control systems and water quality.



# FUTURE CHALLENGES

**The main objectives are to protect, use and develop the urban river landscape for future generations.**

**Sustainable ecological characteristics of river and boundaries of flooding areas should be determined and dealt with in the city's development plans.**

**It could be possible to provide protection from flood risk and also to create lively and diverse modern recreational places.**

