



# Public Institution Kopački Rit Nature Park



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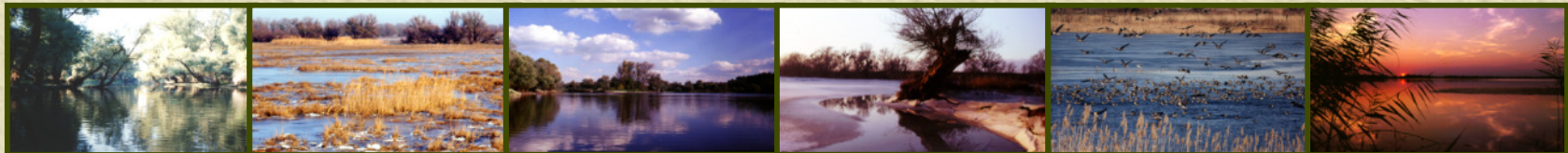
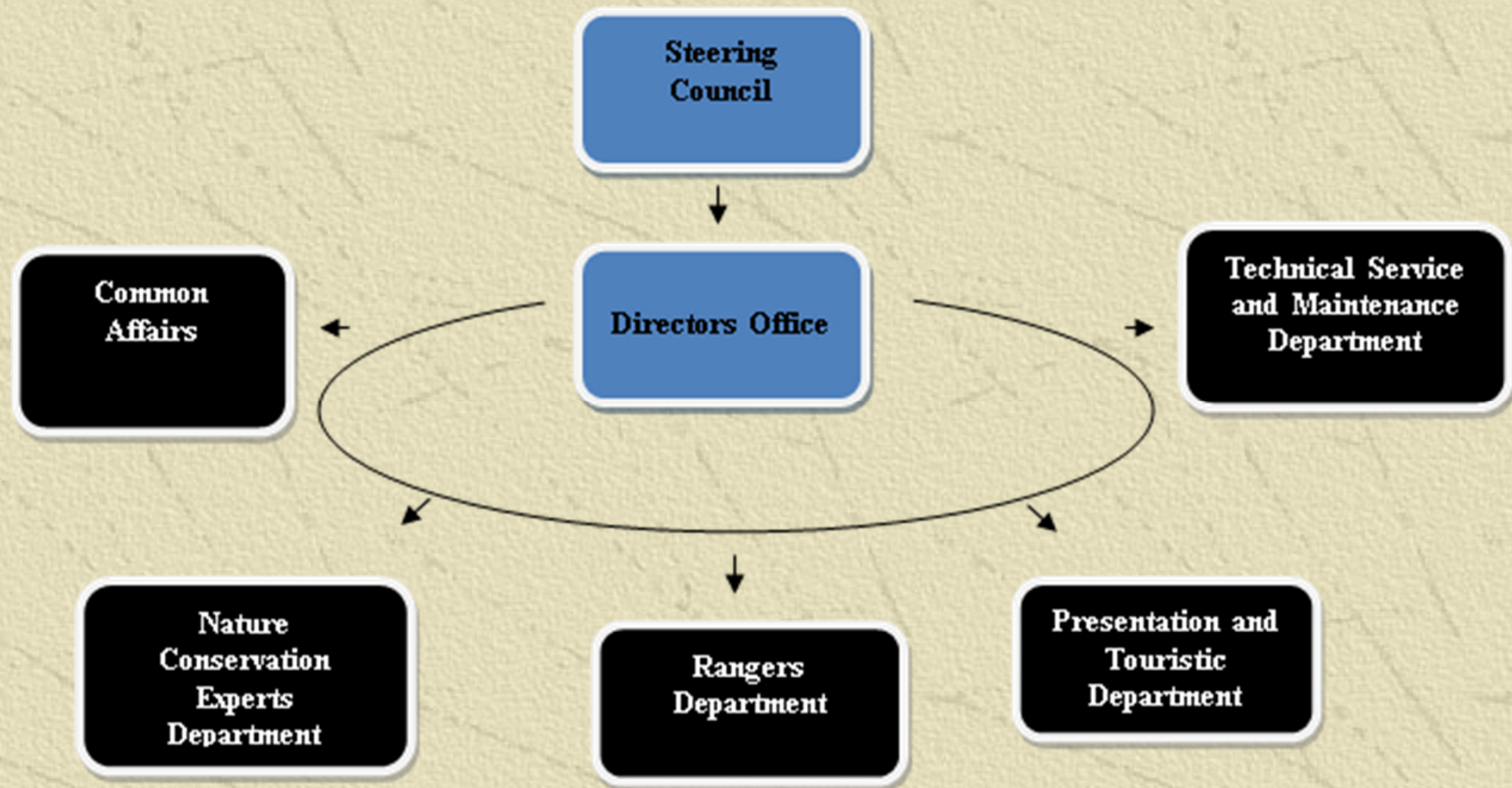
# Restoration Activities and Management of Kopacki Rit Nature Park

Vlatko Rožac, MSc  
Expert Associate for biology-ecology

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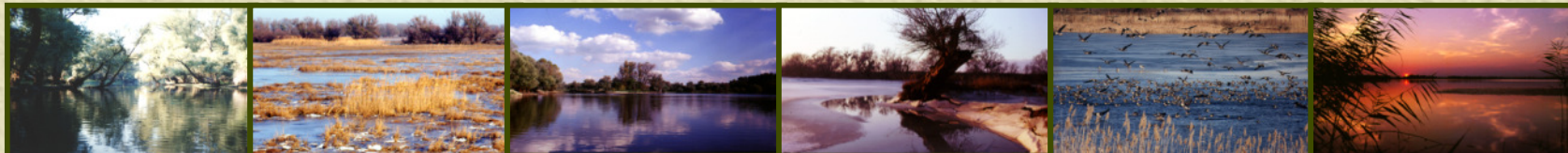
November, 2013

# Public Institution



# Nature Park Kopački rit

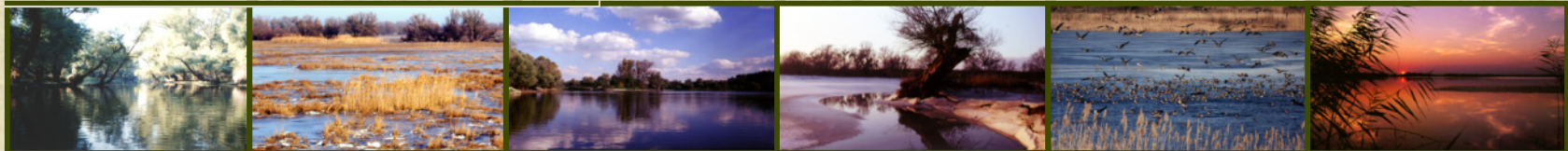
- ✦ Protected area 23 126 ha
- ✦ Protected since 1967
- ✦ Situated between two major rivers Danube and Drava
- ✦ Wetland of international importance under Ramsar Convention since 1993
- ✦ Great biological diversity
- ✦ More than 4000 biological species - estimated
- ✦ Large populations of endangered bird species



# Characteristics

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- ✦ entire look of the area depends on the flooding dynamics
- ✦ mosaic spaced sections of land and water alter in size, shape and function depending on the amount of water
- ✦ micro-relief structure is very complex (canals, lakes, ponds and depressions)

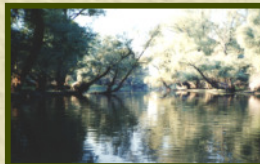
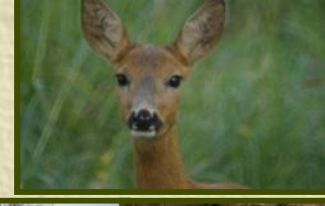
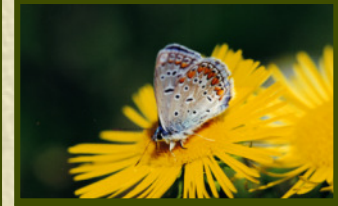


# Ecological importance

## Great biodiversity

### More than 4000 species

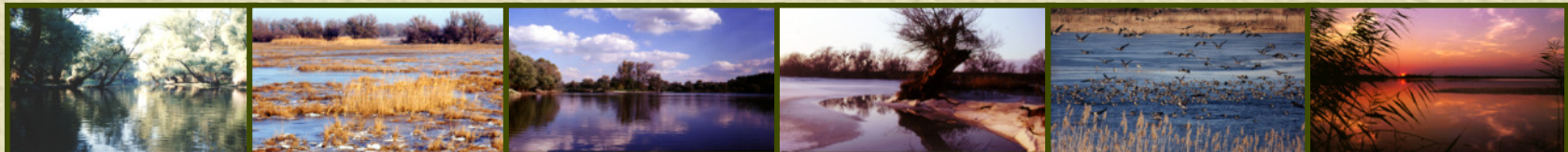
- ✦ 298 bird species
- ✦ 55 mammal species
- ✦ 44 fish species...
- ✦ widespread reeds, willow and oak forests
- ✦ great population of rare and endangered species



# Conservation and protection

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- ✦ **The protection and conservation of the protected area**
- ✦ **Monitoring:**
  - ◆ of biodiversity
  - ◆ of habitats
  - ◆ of geomorphological processes
- ✦ **Implementation of conservation and protection measures:**
  - ◆ protection of species and habitats
  - ◆ protecting the Nature Park from illegal activities
  - ◆ fire protection
  - ◆ restoration



# Restoration

## ✦ Restoration of the Fishponds Podunavlje

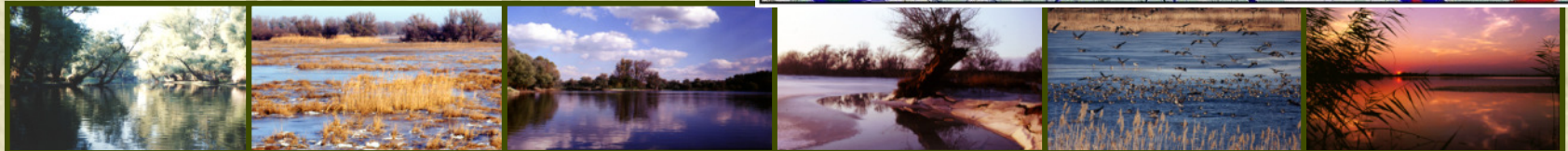
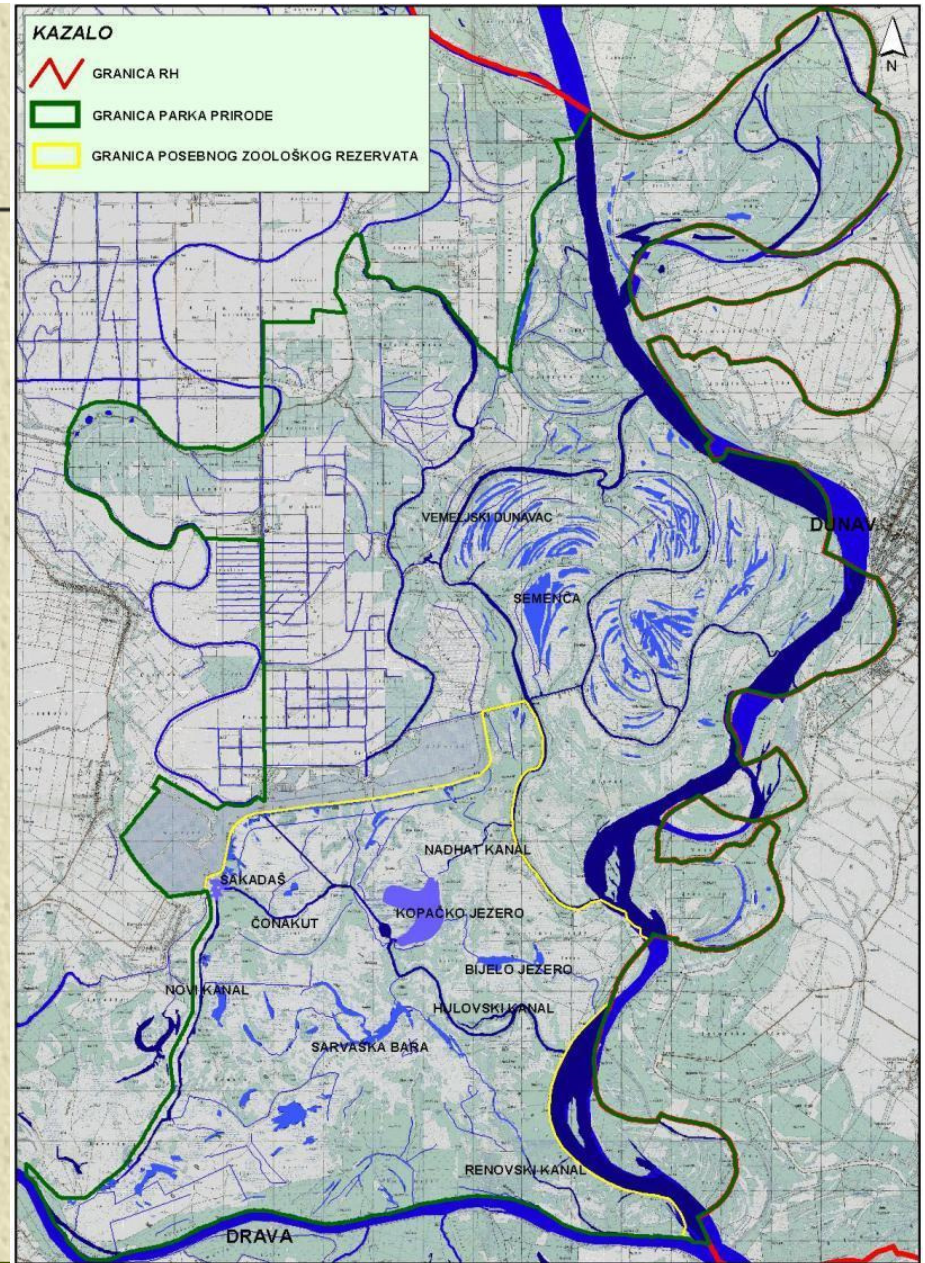
### ✦ Abandonment

- ◆ Bankruptcy of the stakeholder
- ◆ Lack of economic interest
- ◆ Succession

### ✦ Restoration

- ◆ Vegetation removal
- ◆ Fill up with water
- ◆ Setting up educational trail
- ◆ WWF and Cocacola with Croatian Society for Bird and Nature Protection

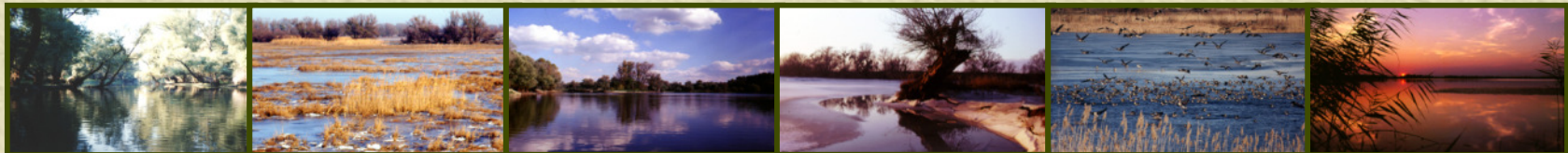
### ✦ New land user



# Restoration




## ✦ Ecological network Duna-Drava National Park (DDNP) – Kopački rit Nature Park (KRNP) – ECNC

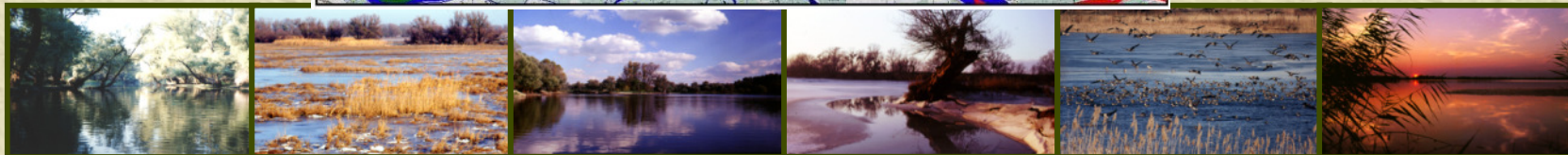
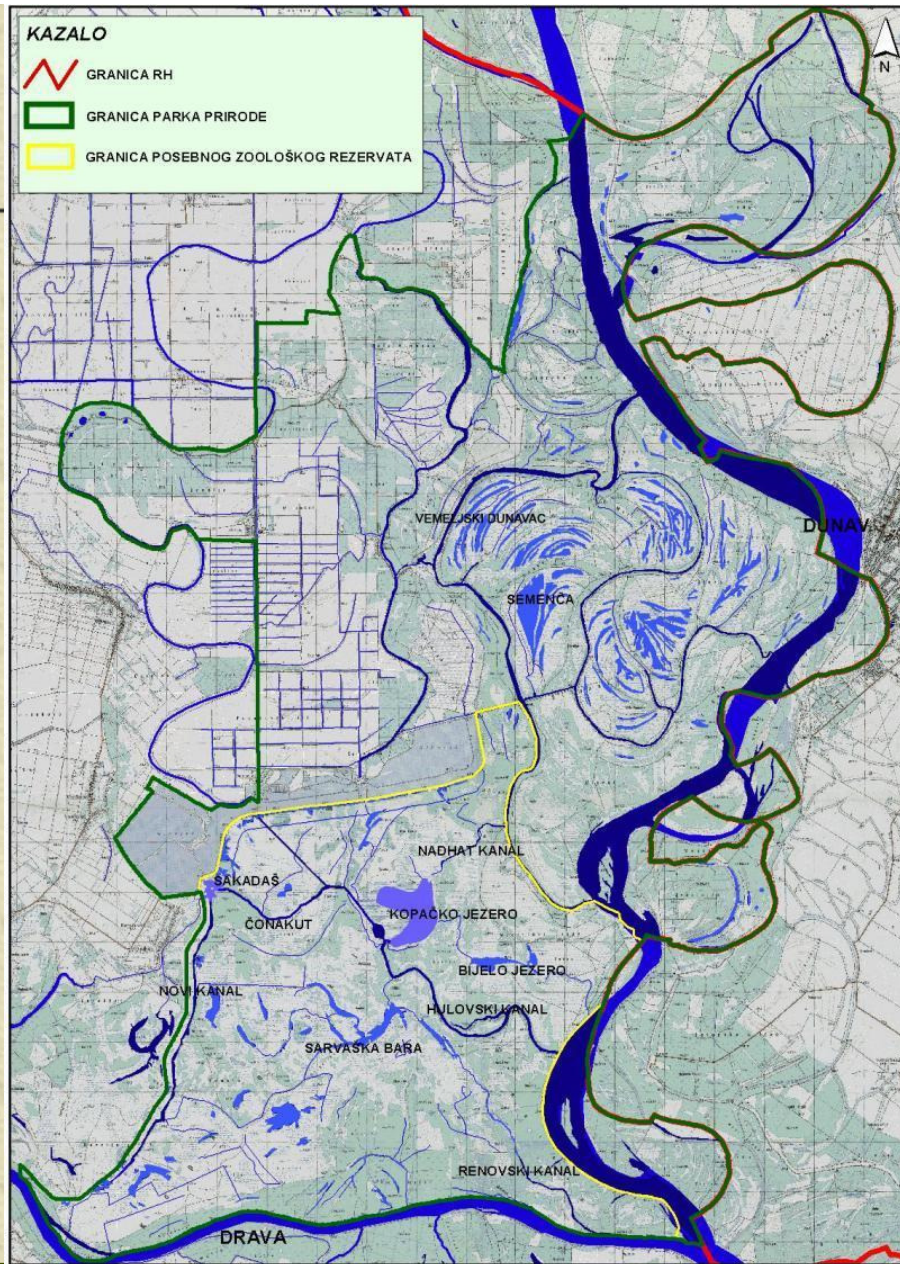
- ◆ Man-made barriers on the Vemelj and Hulovo Channels
- ◆ Obstructing the adequate flow of water, fish migration and spawning
- ◆ 2005





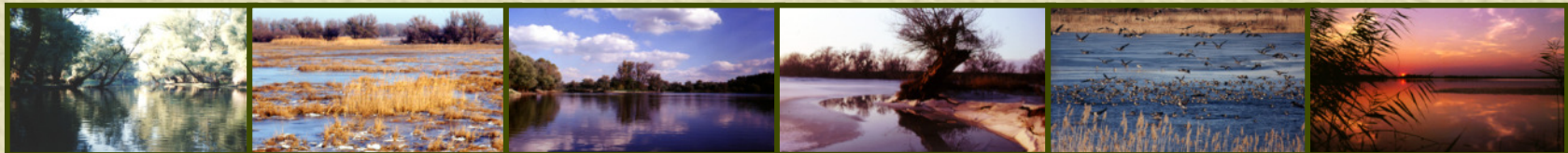
**KAZALO**

-  GRANICA RH
-  GRANICA PARKA PRIRODE
-  GRANICA POSEBNOG ZOOLOŠKOG REZERVATA



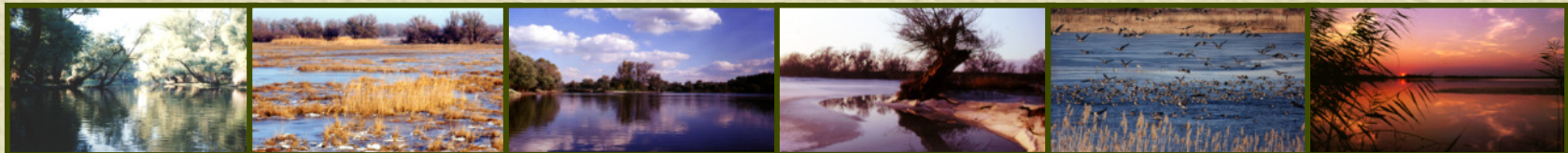
# Restoration

- ✦ **Ecological network Duna-Drava National Park (DDNP) – Kopački rit Nature Park (KRNP) – ECNC**
  - ◆ **Removing of the barriers**
  - ◆ **improvement of the natural functioning of an important part of the Park**



# Restoration

- ✦ **Revitalization and conservation of the Aquatic Ecosystems and Wetlands in Floodplain of the Kopacki Rit Nature Park**
- ✦ **Anthropogenic influence**
  - ◆ hydro plants
  - ◆ waterways
  - ◆ dike
- ✦ **Threats**
  - ◆ disturbance in nature balance of natural processes
  - ◆ sedimentation and succession vs. meandering
  - ◆ disappearance of the wetland



# Restoration

## ✦ Revitalization and conservation of the Aquatic Ecosystems and Wetlands in Floodplain of the KRNP

### ✦ Goals

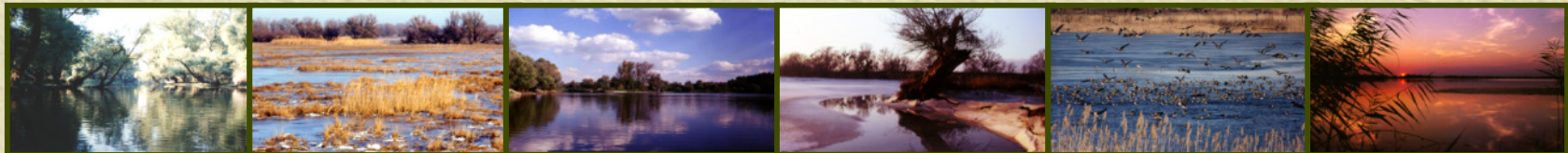
- ◆ improvement and conservation of habitats and eco-system

### ✦ Results

- ◆ restored balance
- ◆ Study of Revitalization and Conservation
- ◆ Contribution to the regional prosperity - side effect

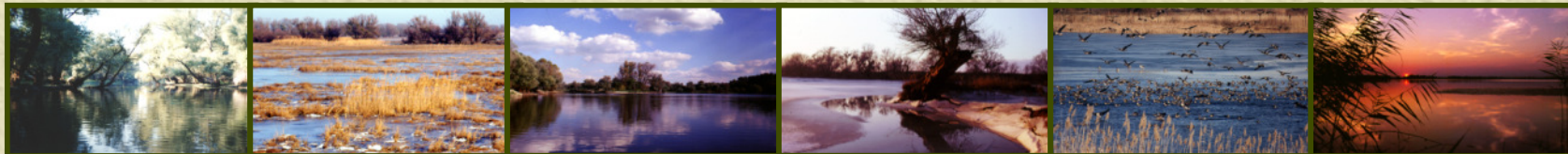
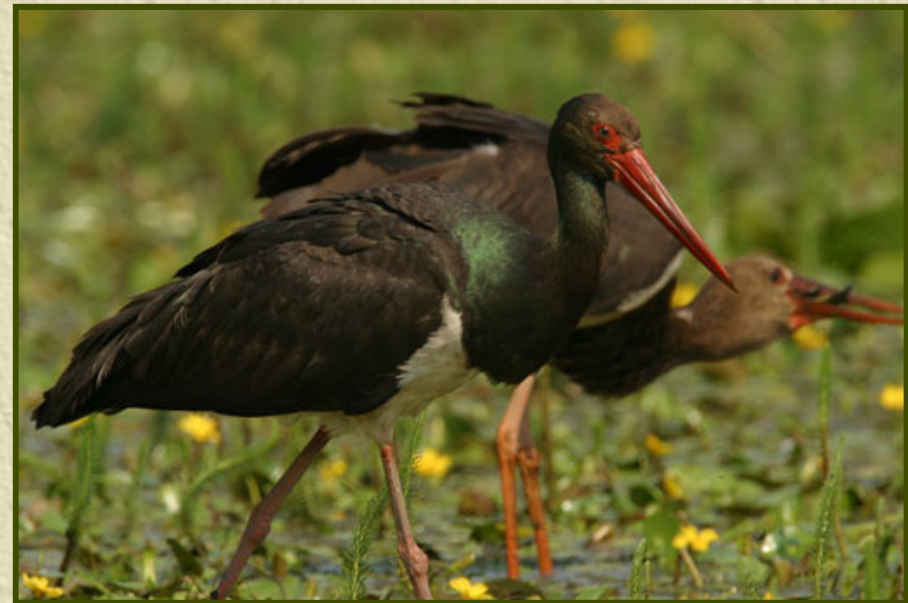
### ✦ Activities

- ◆ monitoring – preliminary and continuous
- ◆ Revitalization and conservation – described in the Study



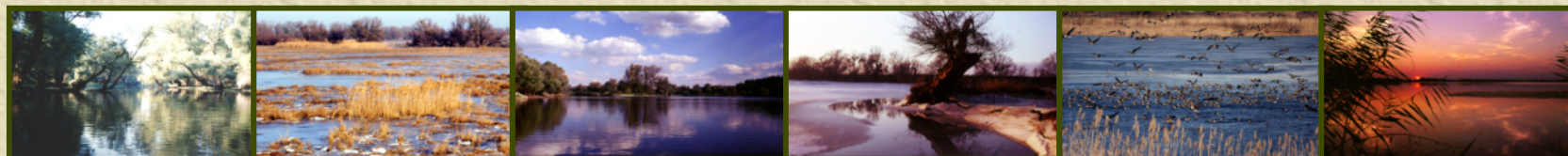
# Education, collaboration and promotion

- ✦ Encouraging scientific research
- ✦ Educational and promotional activities
- ✦ Cooperation with stakeholders
- ✦ Cooperation with regional and international institutions



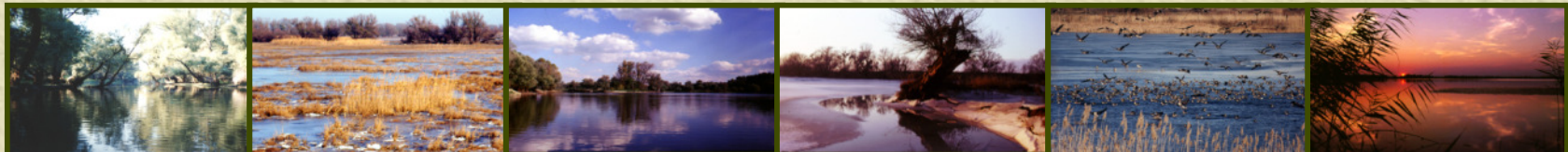
# Sustainable use of protected areas and threats

- ✦ Nature and agro-tourism
- ✦ Agriculture
- ✦ Forestry
- ✦ Water management
- ✦ Hunting
- ✦ Aquaculture
- ✦ Angling
- ✦ Traditional fishery
- ✦ Cycling



# Visitor infrastructure

## Visitor Centre “Mali Sakadaš”

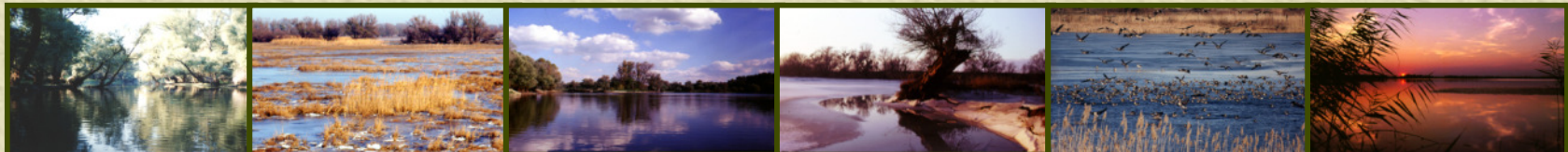


# Tikveš Castle Complex

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## ✧ Contents:

- ✧ Management office
- ✧ Equipment for visitors
- ✧ Multimedia room
- ✧ Educative and exhibit room
- ✧ Restaurant and cafeteria





Welcome to Kopački rit

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