

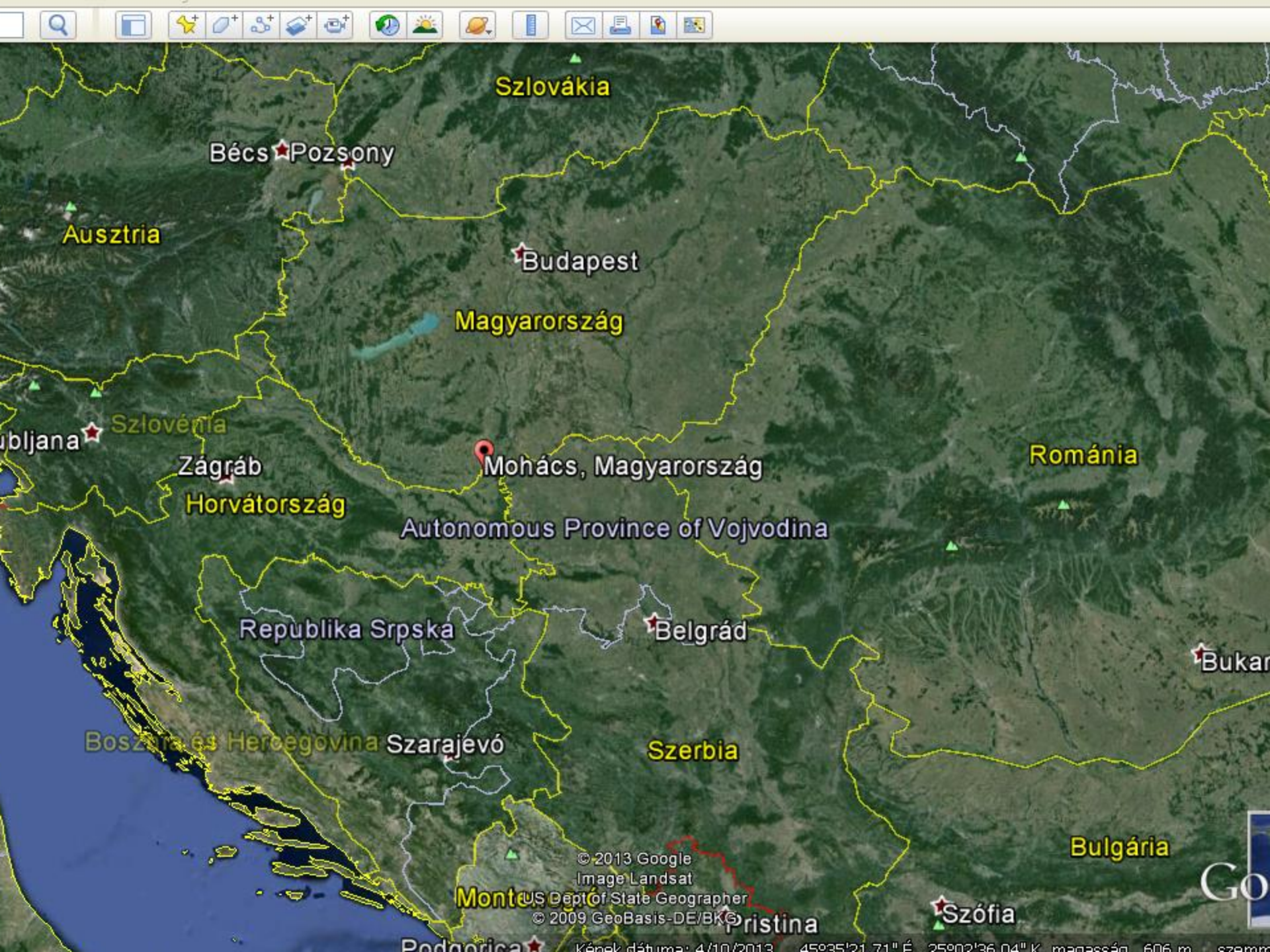


# Restoration of Liberty Island

WWF Hungary  
Viktória Siposs  
Project coordinator

2009 – 2013





Szlovákia

Bécs★Pozsony

Ausztria

★Budapest

Magyarország

Ljubljana★ Szlovénia

Zágráb

Horvátország

Mohács, Magyarország

Autonomous Province of Vojvodina

Republika Srpska

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Bosznia és Hercegovina Szarajevó

Szerbia

Bulgária

Montenegró

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US Dept of State Geographer  
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★Pristina

★Szófia

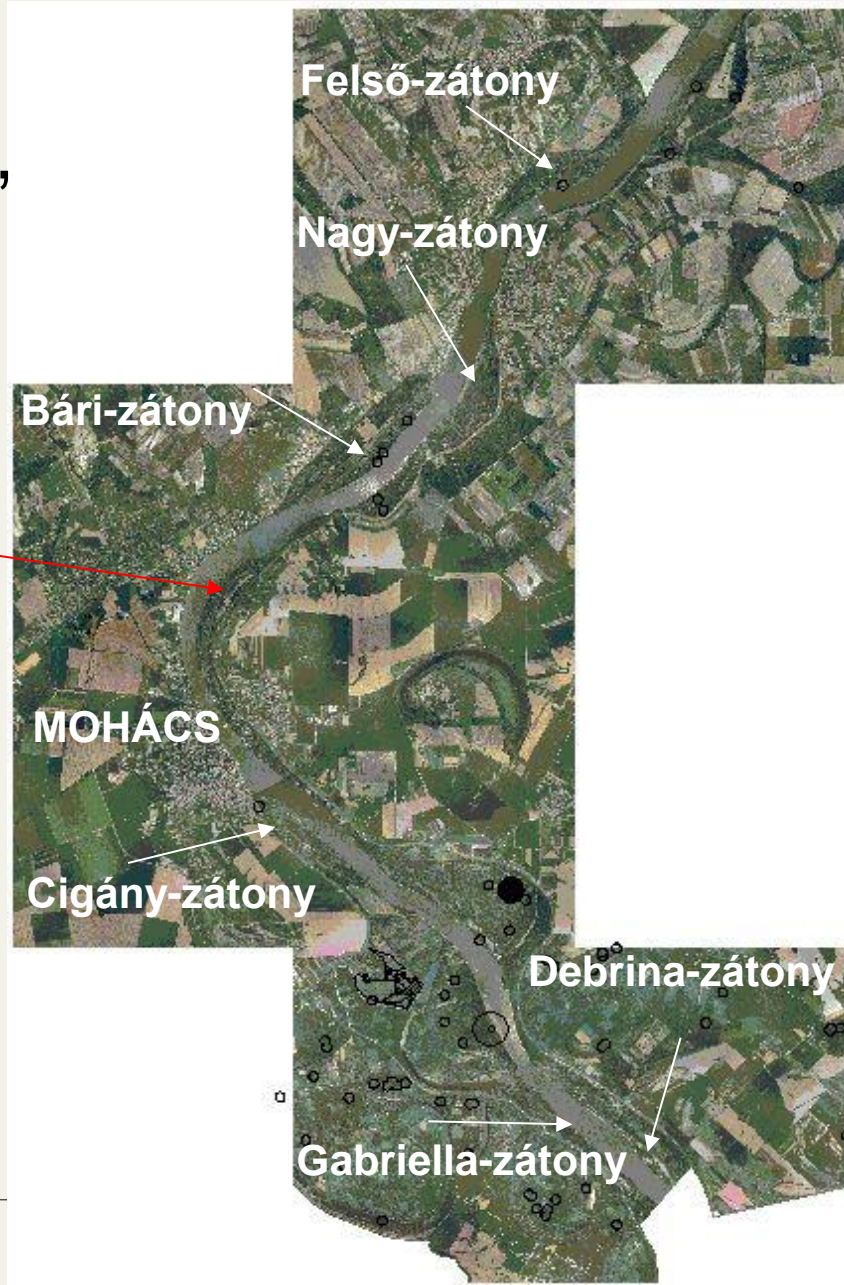
Podgorica★

Képek dátuma: 4/10/2013 45°35'21" É 71° É 25°02'36" K magasság: 606 m szélesség: 19°



# South-Hungary, Danube valley

Liberty Island







**2009**

**rockfill-dam**

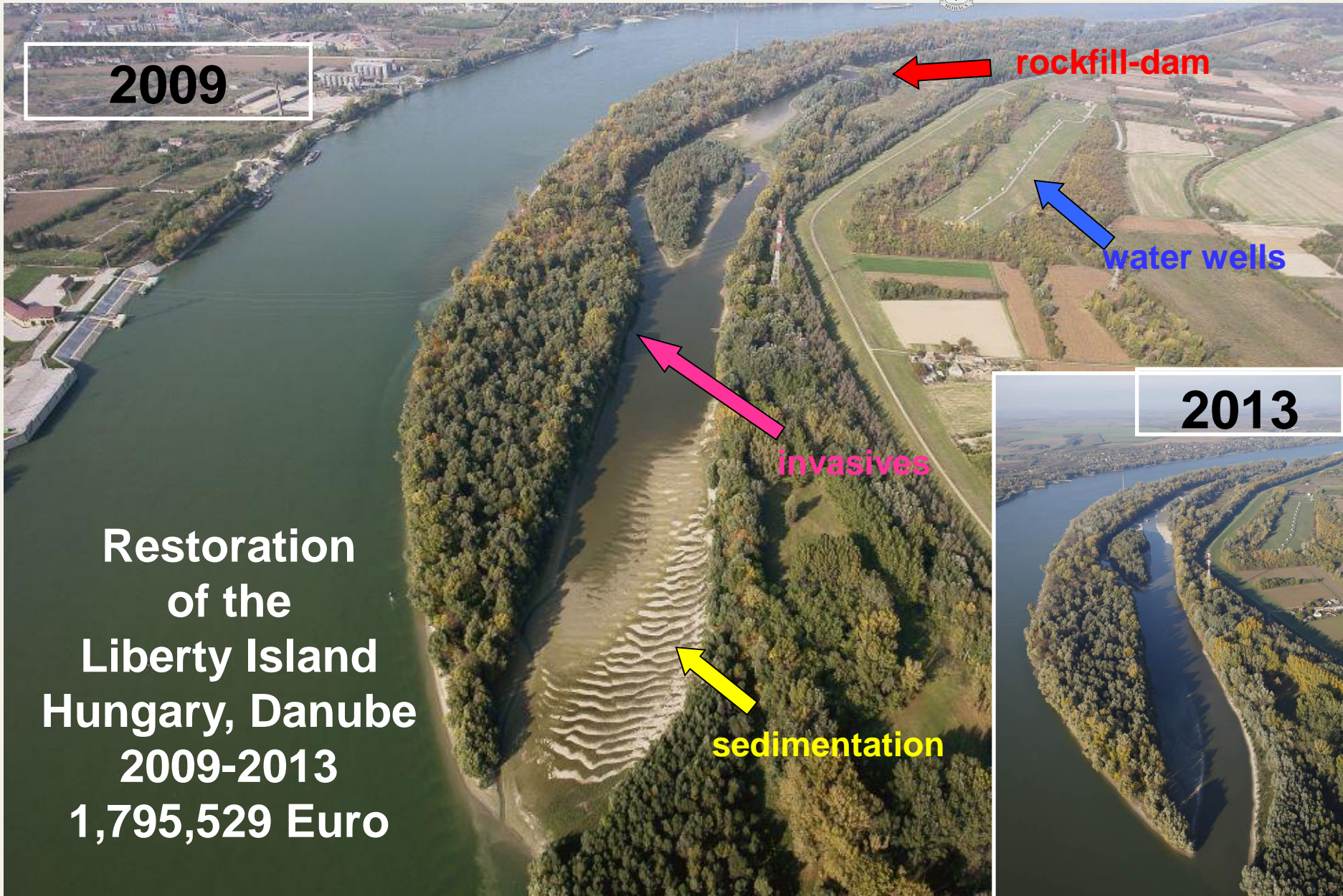
**water wells**

**invasives**

**sedimentation**

**Restoration  
of the  
Liberty Island  
Hungary, Danube  
2009-2013  
1,795,529 Euro**

**2013**





# Motivations

- Side-arm is a protection zone of drinking water wells;
- Due to regulation of the Danube stretch, no more islands and side arms formulate;
- Strictly protected National Park and Natura 2000 site, size: 47 ha, side-arm: 3 km long;
- Forest was under intensive mgmt till 1990;
- Now: state owned, dedicated forever for nature conservation.



# General objectives

- Revitalize the side arm by providing longitudinal connectivity and restore its natural riverbed,
- Strengthen social advantages:
  - Improve the area characteristics as natural filter for drinking water,
  - Restore the area for recreation ,
- Provide suitable alluvial habitats on Liberty Island and its side-arm,
- Restore the alluvial forests along its side-arm.





# Relevant PA4 Actions

- PA 4.01 To implement fully the Danube River Basin Management Plan;
  - PA 4.10 To reduce existing water continuity interruption for fish migration in the Danube river basin (*Milestone 4: to carry out an assessment for restoration of the sediment balance in the Danube*);
  - PA 4 13 To promote measures aimed at reducing knowledge deficitsm developing and transferring tools, methods and guidelines concerning the safeguarding of drinking water supply (*Milestone 3: Implementation of joint actions with responsible authorities, enterprises, associations responsible for drinking water supply*).
-



# Relevant PA6 Action

- PA 6. 03 To protect and restore most valuable ecosystems and endangered animal species.
-





# Problems and solutions

Rockfill dam causing sedimentation and disconnected river stretches <i>PA4 Action 01 and PA4 Action 10 M4</i>	Dam is opened 6.000 m <sup>3</sup> stone is removed
Shallow standing water in the side-arm and poor water quality and degradation of habitats <i>PA4 Action 10 M4</i>	Side-arm is dredged 160.000 m <sup>3</sup> sediment is removed
Due to human impact , accelerated natural processes - side-arm and island would disappear - <i>PA4 Action 10</i>	Longitudinal connectivity, flowing water.
Sedimented side-arm vs. living river stretch as a tool for clean and safe drinking water <i>PA4 Action 13 M3</i>	Bank filtration wells provide better quality and quantity drinking water
Commercial forestry - <i>PA 6.03</i>	Island is saved, area purchased conservation oriented, later no-go forestry
Invasive tree species - <i>PA 6.03</i>	80% is eliminated, maintenance will go on undisturbed floodplain forest

# Partners and financial structure

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## EU:

- LIFE+ Nature: 60%

## NGO:

- WWF Hungary, project lead, 15%

## State bodies, together 10%

- Danube-Drava National Park Directorate (DDNPI)
- Lower-Danube-valley Water Management Directorate (ADUVIZIG)
- Transdanubian Waterworks Company (DRV)
- Mohács Municipality

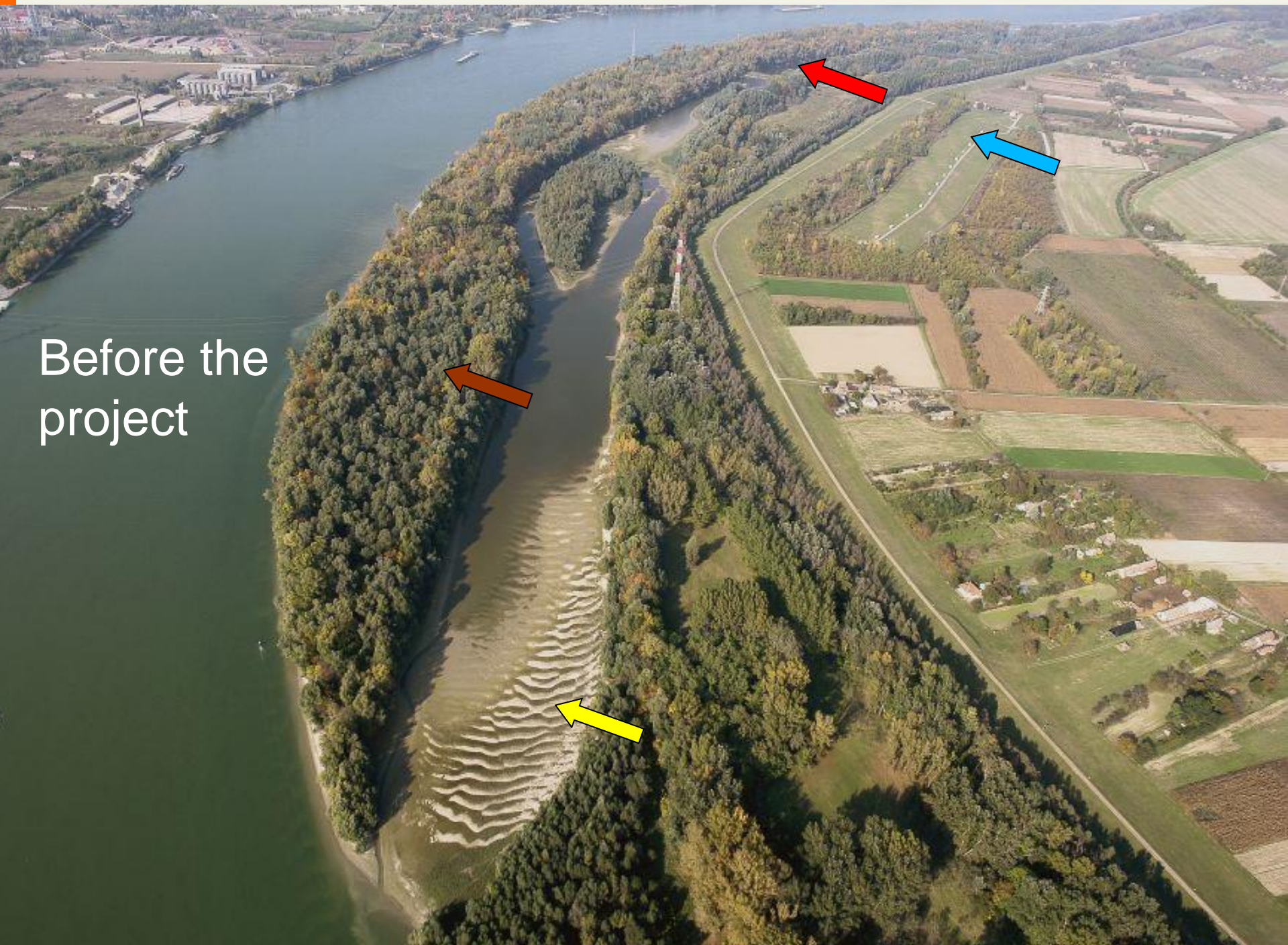
## Commercial corporation:

- Coca-Cola Hungary, 15%





Before the  
project







































# What's next?

- Multiplication of project results
- Pulling together a project development team







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