



# Actual Development Aspects of Lake Balaton

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**European Union**

European Regional Development Fund

# Background

- of the project and others -

Development (policy) is

- **COMPETITION** for resources
  - at local, regional, national, European, global level
  - among ideas, sectors, etc.
- **COMPASS** to targets
  - set and reach objectives,
  - direct and ensure implementation
- **COOPERATION** (and business) of
  - individuals
  - entrepreneurs
  - society



**European Union**  
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# Environment

- one of the most significant natural assets of Hungary -



- natural shallow lake
- size of the lake: 594 km<sup>2</sup>
- catchment area: 5775 km<sup>2</sup>
- maximal depth: 10.2 m
- average depth: 3.2 m
- the lake's length: 77 km
- the lake's width: 12 km (at the widest point)
- the length of the shore: 235 km
- average summer temperature: 20 °C
- average ice-thickness: 20-25 cm





# Economy

– Balaton region generates 1/3 of tourism income of Hungary –



- Bathing in Lake Balaton started in **19th century**.
- The permanent population is about **275.000** people
- Considering the families of weekend house owners it rises above **500.000** people.
- In summer time with tourists and visitors, the population increases up to **1-2 million** people.

# Programming

– well supported by plans –



## PROGRAMS and FUNDS

- National Strategic Reference Framework (NSRF) of Hungary 2007-13
  - and corresponding operational programs and action plans
- Rural Development Program 2007-13
  - within Local Development Strategies and Action Groups

## Lake Balaton PROGRAMMING DOCUMENTS

- Lake Balaton Long-term Regional Development Concept (-2020)
- Balaton Regional Development Strategy 2007-13
- Balaton (detailed) Development Program 2007-13

## AREA SPECIFIC REGULATIONS

- Act No. XXI (1996) on regional development and spatial planning /Lake Balaton Development Council/
- Act No. CXII. (2000) on the Regional Development Plan of the Lake Balaton Recreational District and Rules of the Lake Balaton Regional Development
- Lake Balaton River Basin Management Plan according to WFD/
- and related Government resolutions

## VISION SET IN THE STRATEGY

*The Lake Balaton region aims to become a model of naturalness with high standards of living in the Central-European Region.*

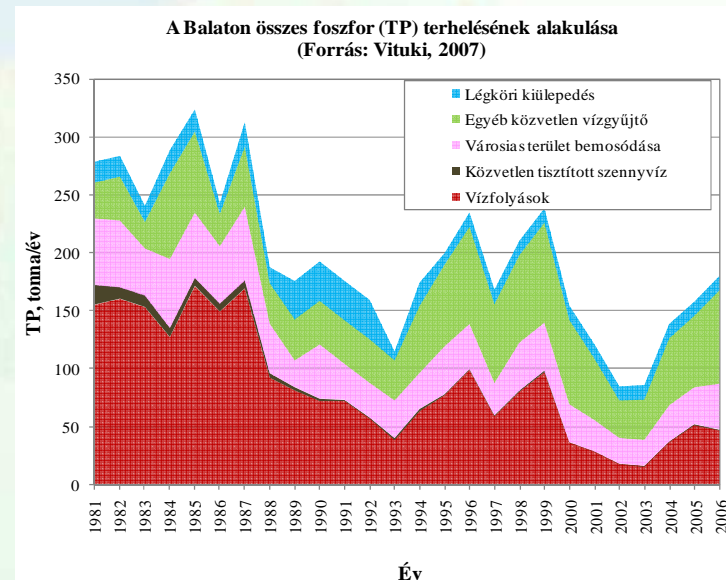
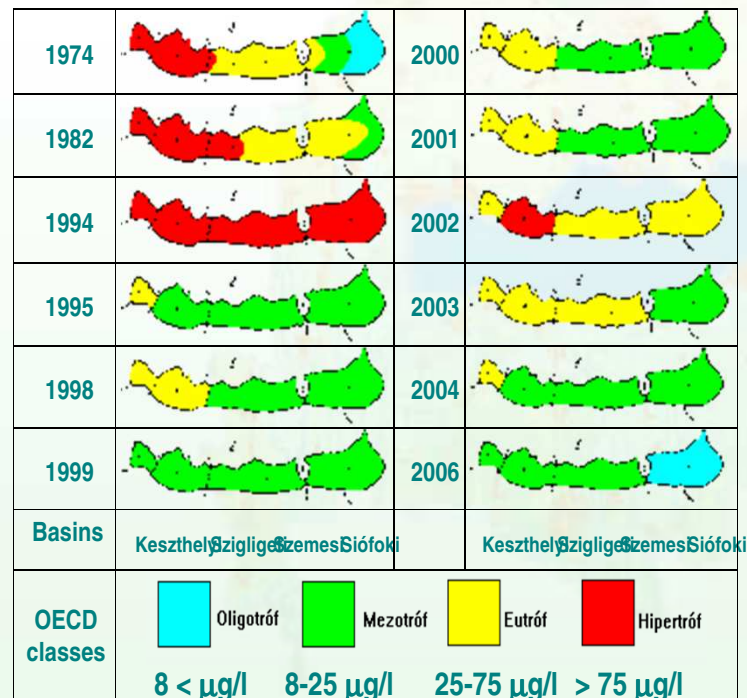
*Building on the unique natural and cultural features of the lake and its surrounding landscape, the region offers exclusive and attractive living, recreational and working environment.*

# Water Quality

– improved but still vulnerable –



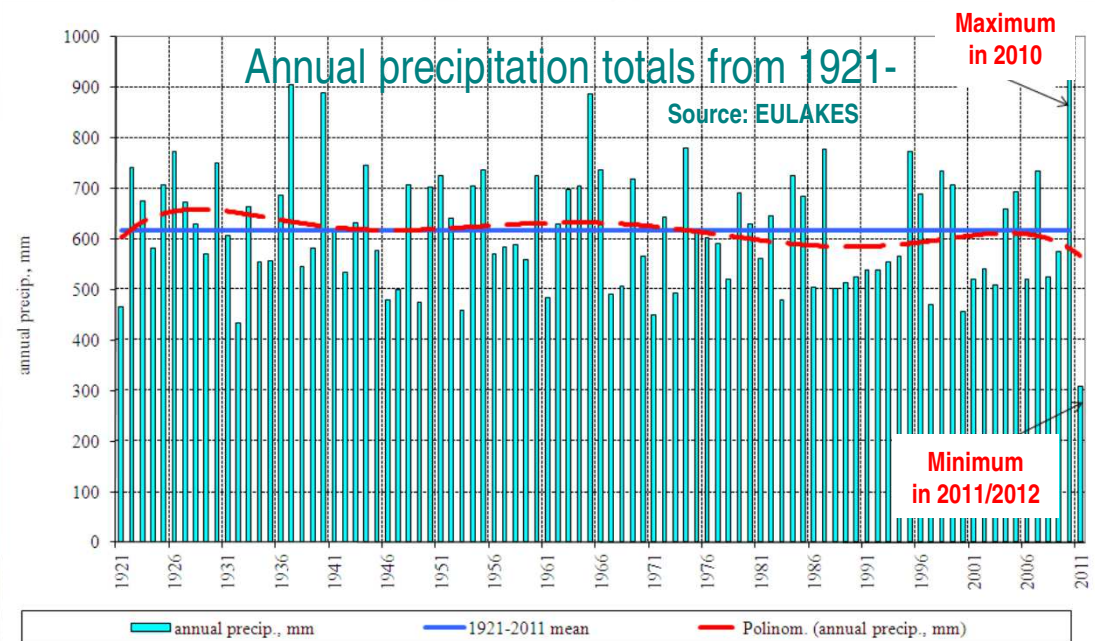
- Emerged in the early 80's
  - eutrophication accelerated
  - mass blooms of blue-green algae
  - devastation of fish populations
- Action Plan was set by the Government to reduce nutrients load
  - Sewage system development
  - Reduction of effluents limit of P
  - Control of livestock breeding
  - Dredging in most polluted areas
  - Reconstruction of Kis-Balaton wetland





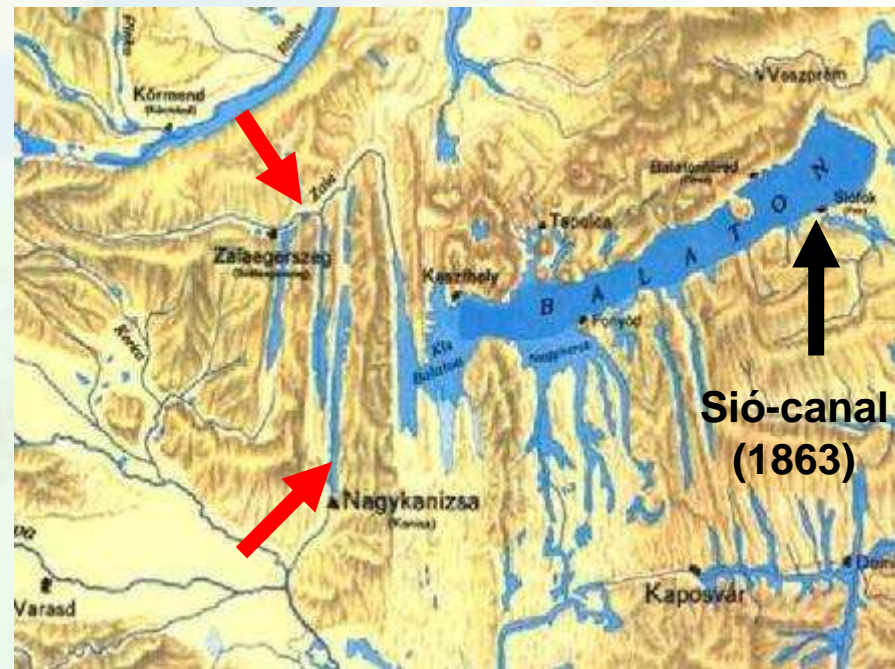
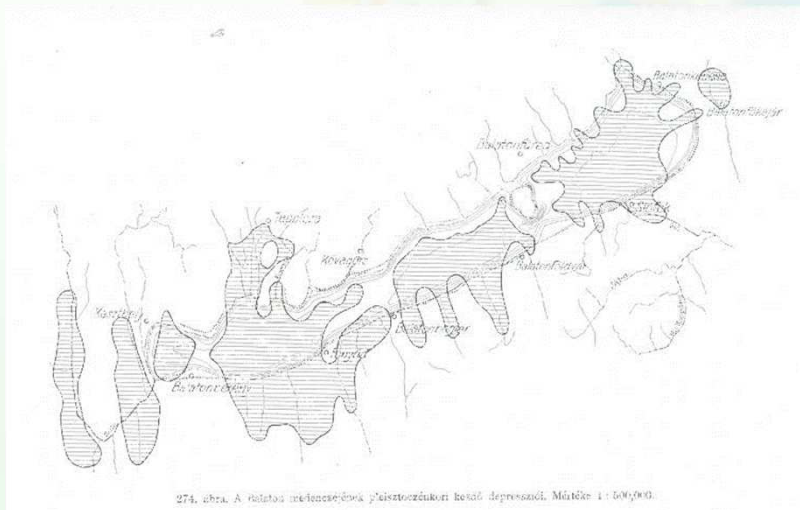
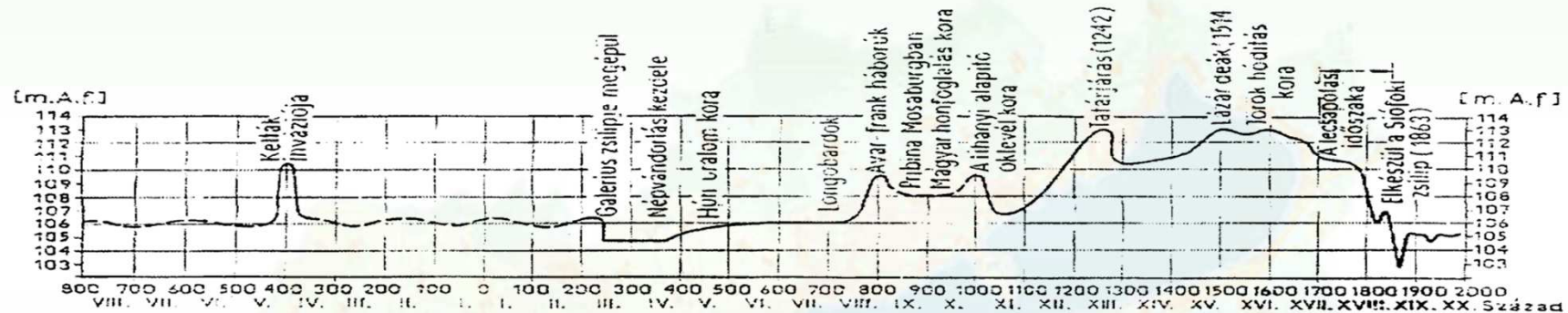
# Water Quantity

– 2010 extremely wet year, while 2011/12 is extremely dry –



# How to improve the water budget?

– water transfer vs. water storage –

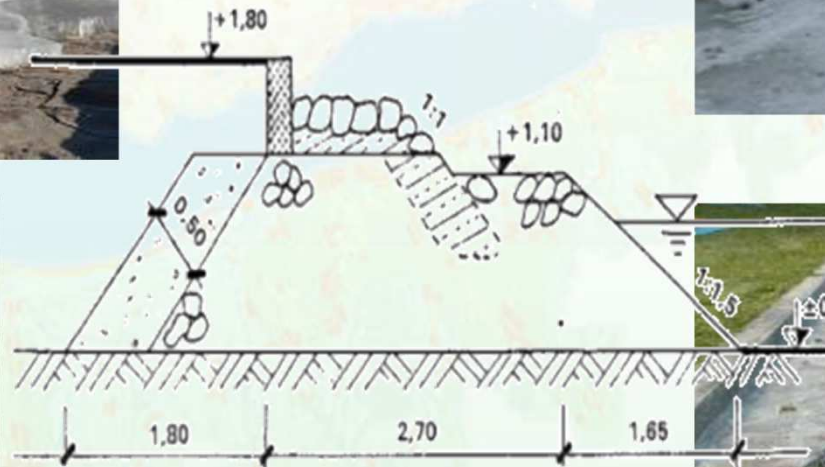


**Sió-canal  
(1863)**



# Shore protection

- maintenance works are essential -



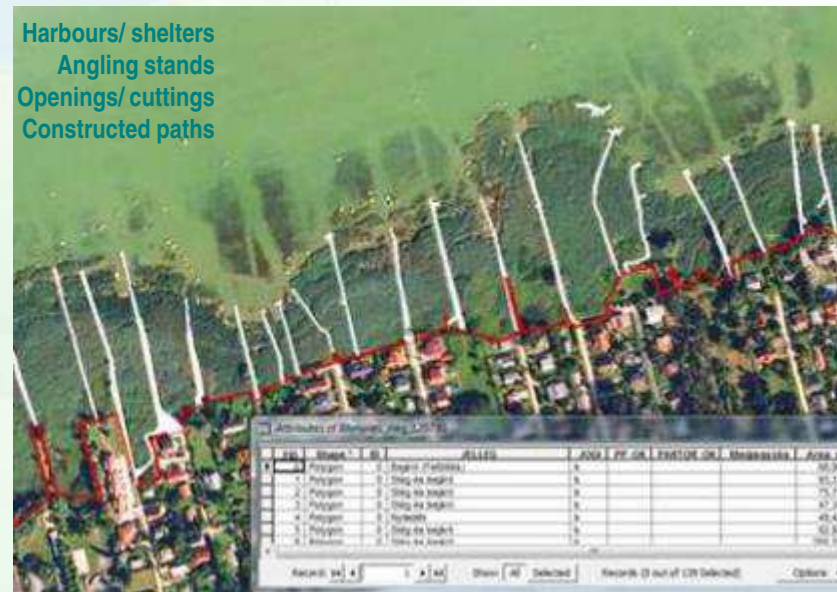
# Shore zone rehabilitation

- control on man-made interventions -

- To restore/ keep good environmental quality
- To ensure free public access to the lake  
(min 30% of the shore area that belongs to the built up area of the settlement)



Harbours/ shelters  
Angling stands  
Openings/ cuttings  
Constructed paths



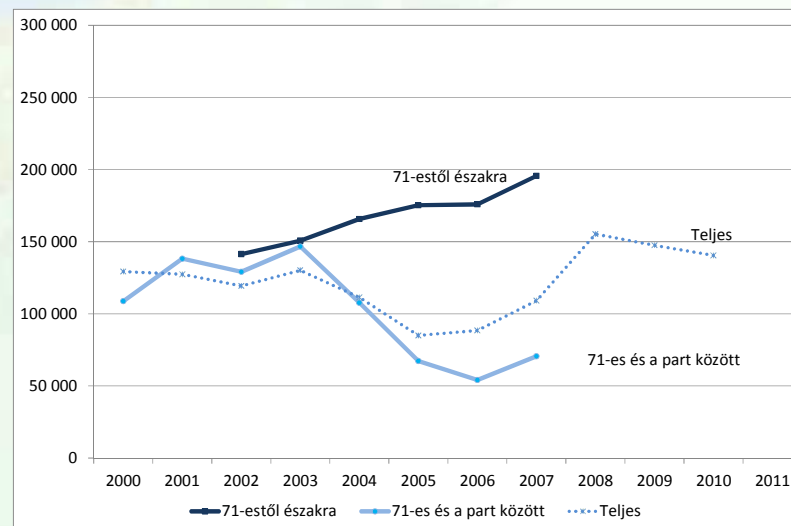
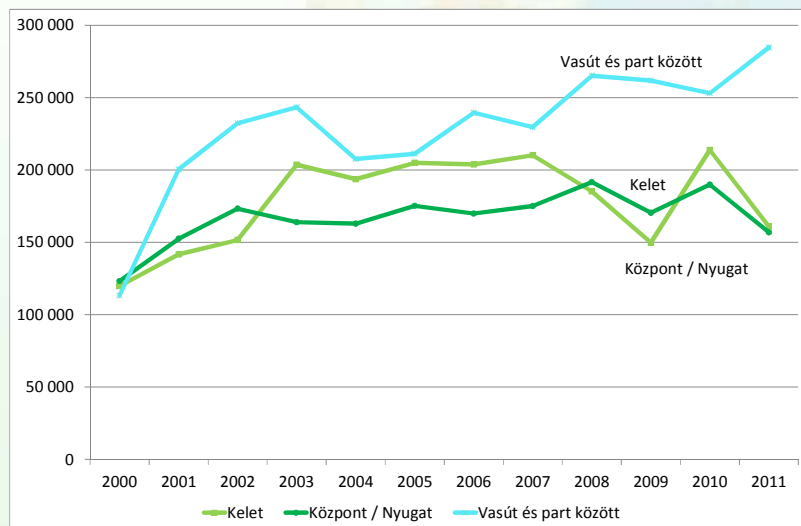


# Economic benefits

- estimating the value of shore zone developments -



## Changes of property prices [HUF/m<sup>2</sup>] in time of the main zones of the towns







**... if you have any further questions,  
please contact us:**

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