EFOP-3.6.1-16-2016-00004 ÁTFOGÓ FEJLESZTÉSEK A PÉCSI TUDOMÁNYEGYETEMEN AZ INTELLIGENS SZAKOSODÁS MEGVALÓSÍTÁSA ÉRDEKÉBEN

LAND COVER/LAND USE CHANGE IN HUNGARY

Dénes Lóczy, Institute of Geography, University of Pécs





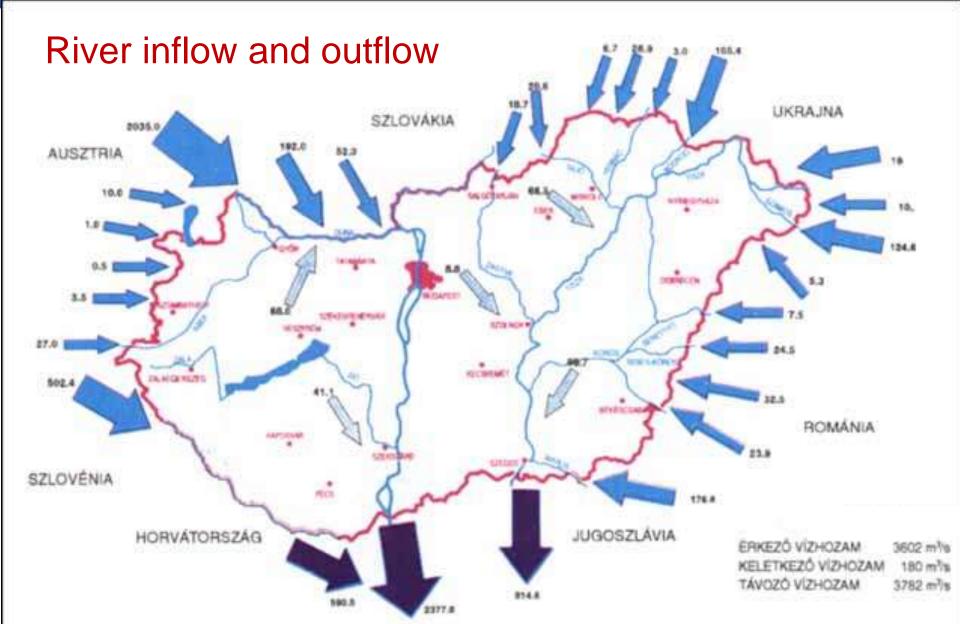
Európai Unió Európai Szociális Alap

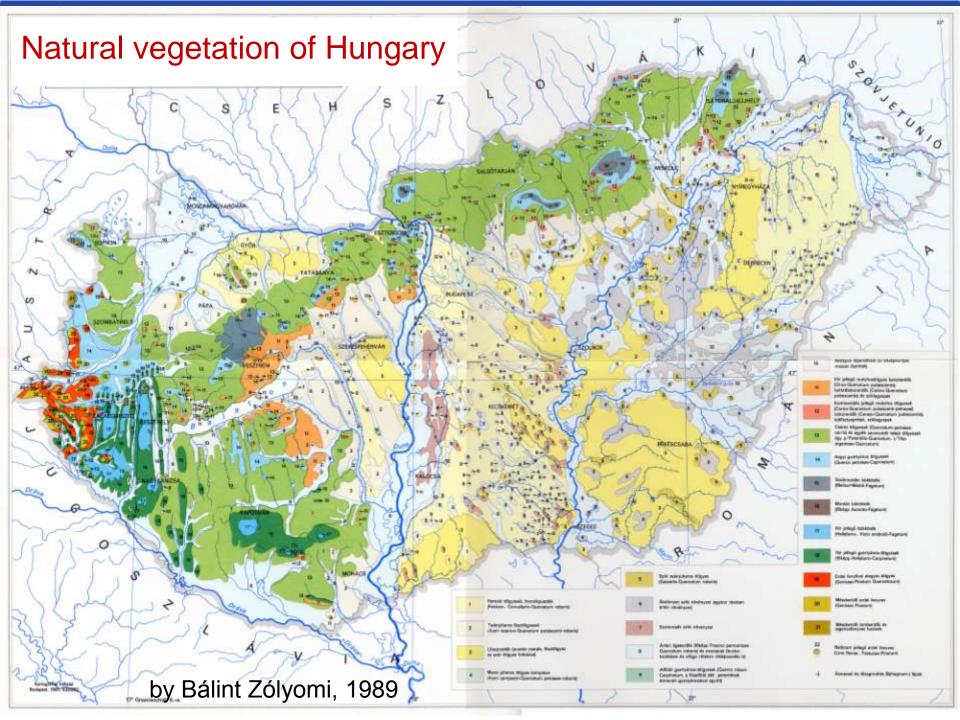


Magyarország Kormánya

BEFEKTETÉS A JÖVŐBE







Flooded and waterlogged areas in the Carpathian Basin before river regulations and land drainage

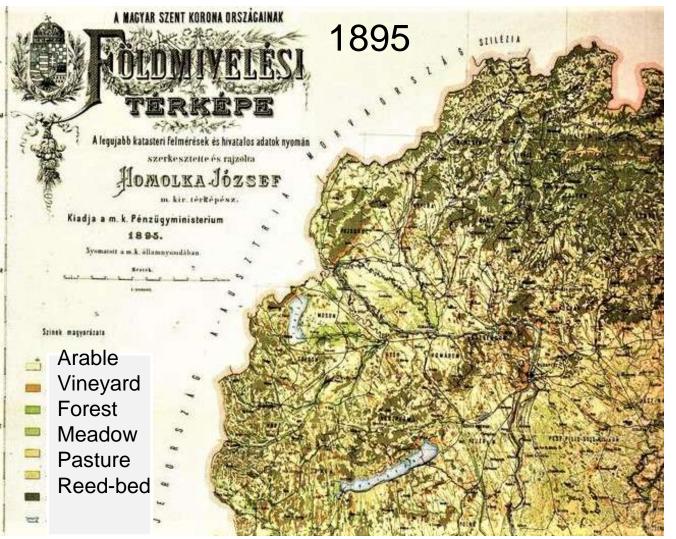


- Golden Crown land evaluation system
- introduced by Act VII/1875
- aim: taxation 20 % (after 1924: 25 % of cadastral net income
- land inventory in 6 classes: arable, garden, meadow, pasture, vineyard, forest, reed-beds









Land use classes in agricultural land

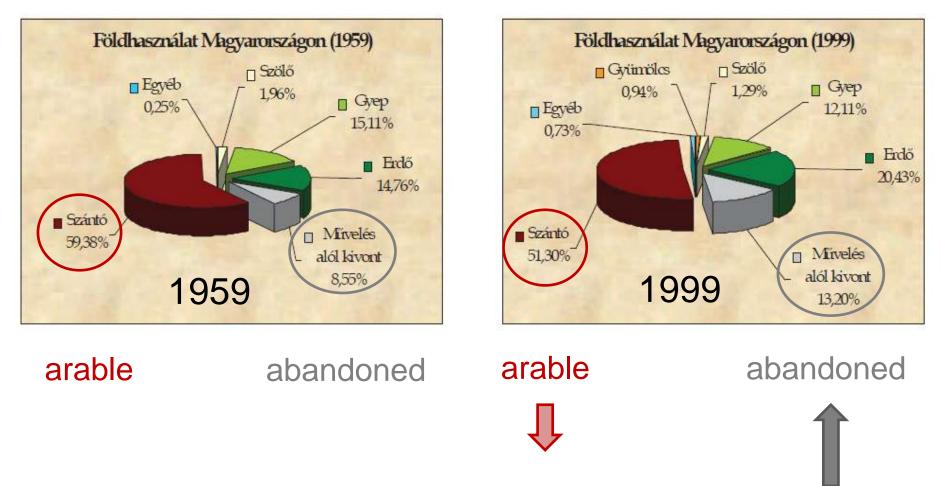
Arable Vineyard Forest Meadow Pasture Reed-bed

Agricultural land use reconstructed for 1900

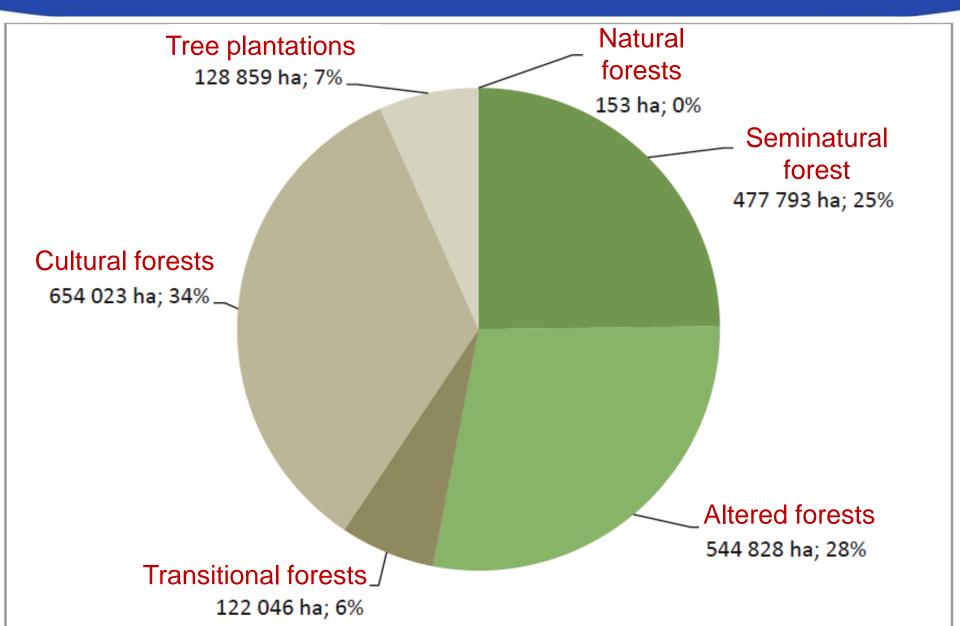
by Áron Drüszler

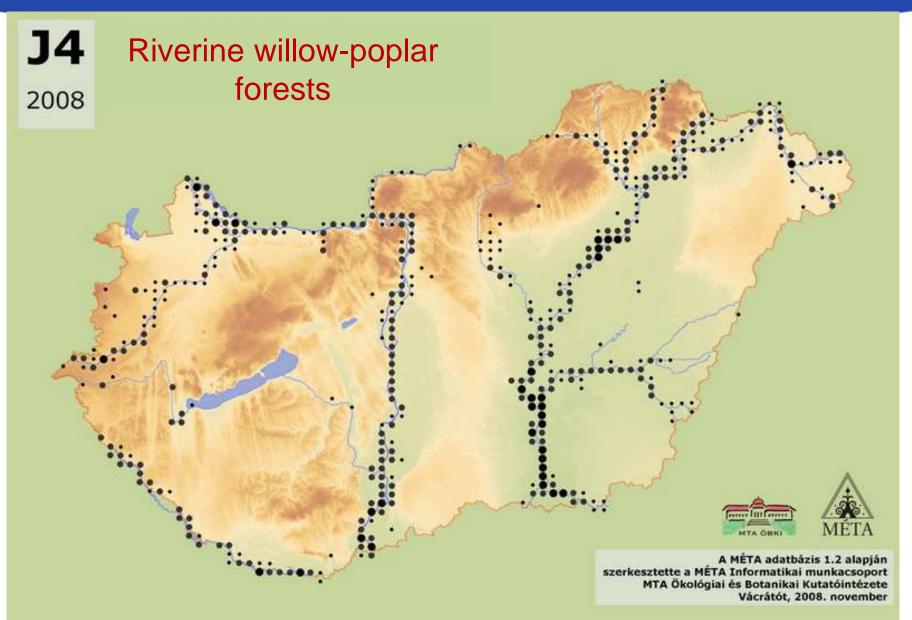
built-up arable meadow pasture vineyard deciduous forest coniferous forest lakes, rivers swamps, bogs

Land use under socialism (1959) and after (1999)









Floodplain forest along the Drava

ALC: NO. OF COMPANY



Drought along the Drava

The Old Drava Project

- an ambitious regional development programme
- landscape management plan: restoration of some of the traditional and environment-friendly economic activities widespread before river regulation
- a new water governance strategy groundwater replenishment,
 irrigation in 5,000 bestares of agricultural fields

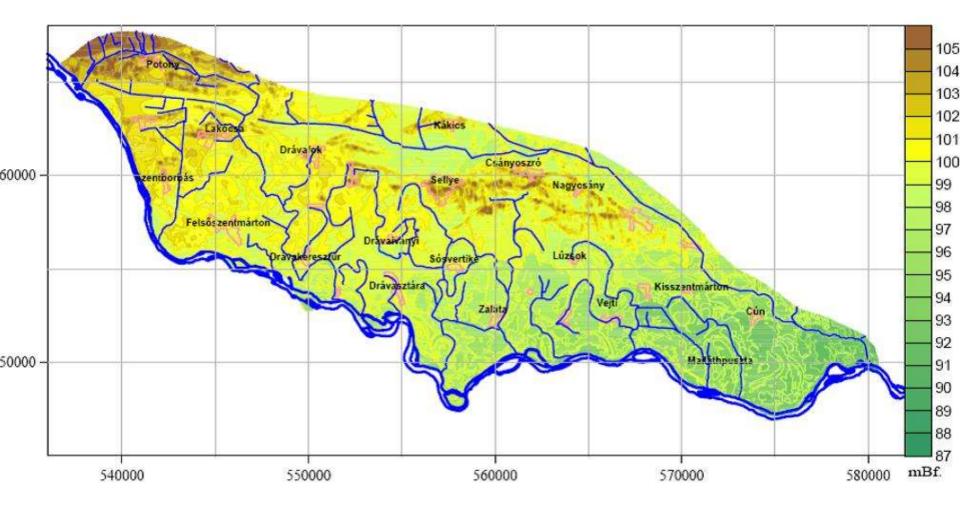
irrigation in 5,000 hectares of agricultural fields establishment of 700 hectares of open water surfaces

• critical points:

retention of floodwater through the revitalization of old meandering channels and afforestation environmental/ecological flow (ensured by the construction of bottom weirs and flood gates)

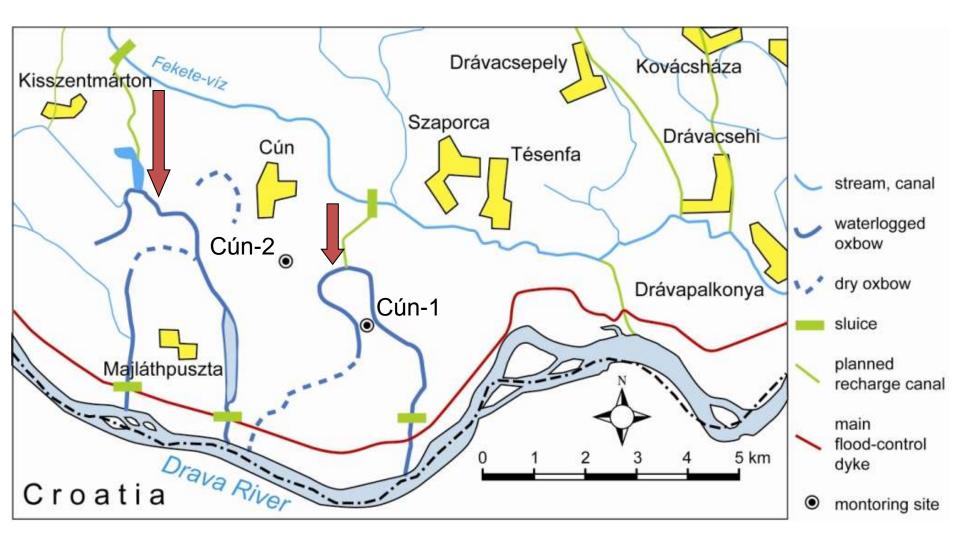
 Land management and landscape pattern should be adjusted to the water supply realized by the recharge system, while the scheme primarily intends to meet the water demand of large-scale farming.

Old Drava water replenishment network

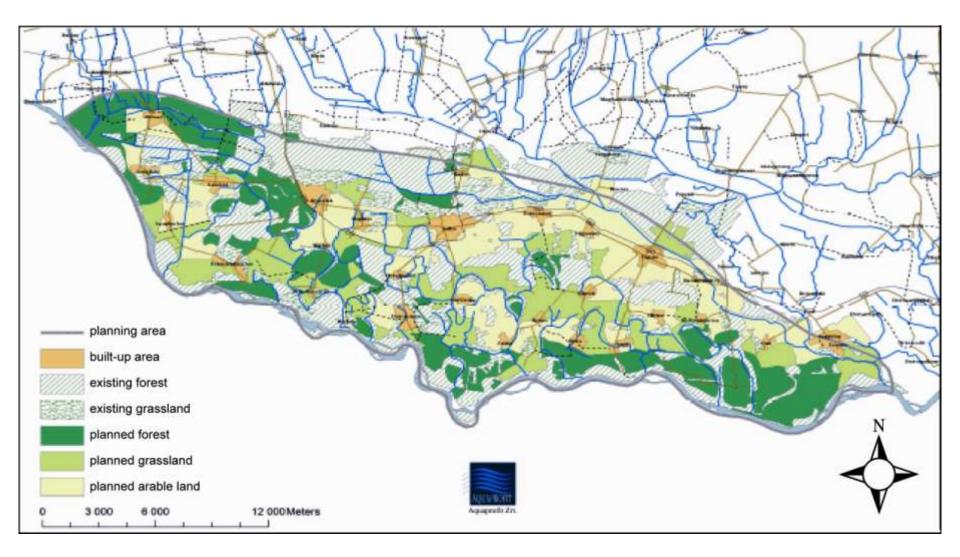




Oxbow rehabilitation project



Planned land use change



THANK YOU FOR YOUR ATTENTION!



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