

Introduction

19% of Hungary's vegetation would be alluvial forest,

→ currently 0.4%

Effects of the past:

decreasing / changing riparian habitats

Present and future:

TEN-T (Trans-Eu. Network for Transport)
Loss of sediment
Flood management
Intensive land uses

Aim

To gain knowledge on

- the islands of the Hungarian Danube stretch between Vének and Budapest
- with priority attention to the landscape history and historical land uses of the islands, as well as
- to explore the current floodplain forest associations that cover the islands and their potential successional processes

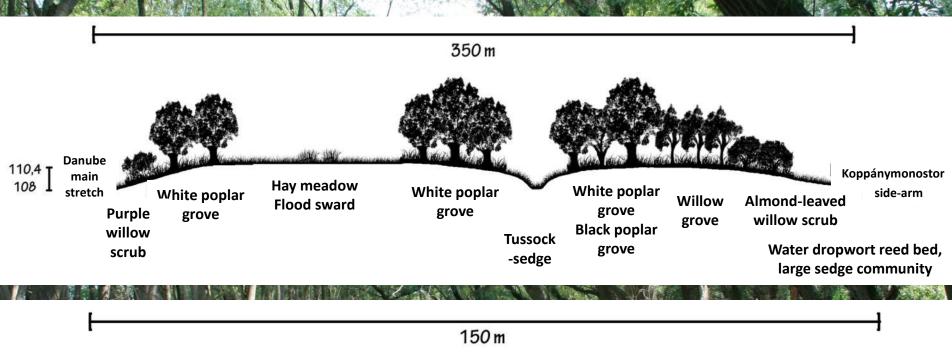


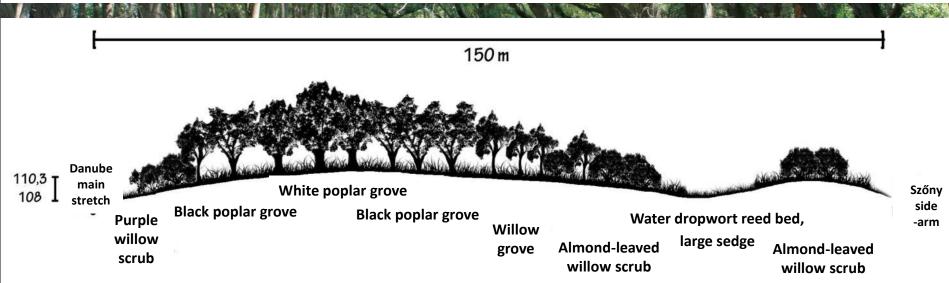
- Succession stages of the Danube floodplain in Hungary: Zólyomi 1937,
- followed by Kárpáti 1985.
- Kevey 1998, 2002 and 2003, and Kevey in Borhidi and Sántha 1999 differentiated 15 natural or semi-natural forest association types and their 40 subassociations.
- Zonations on the upper Danube stretches were reported by Wendelberger-Zelinka 1951 around Wallsee.

Methods

- Danube stretch between Vének (1797 riverkilometer = rkm) and Budapest (1648 rkm)
- Hungarian geographical researches and references
- 29 maps from Map Archive of the Military History; National Archives of Hungary; Danube Museum; Special Library of Water and Environmental Protection; online Hungaricana (Hungarian Cultural Heritage Portal), Mapire (Historical Maps Online) and Fentrol.hu (Online Aerial Photo Archive)
- plant associations' names follow the Hungarian Associations Red Book

Results





Purple willow scrub (Rumicio crispo-Salicetum purpureae)

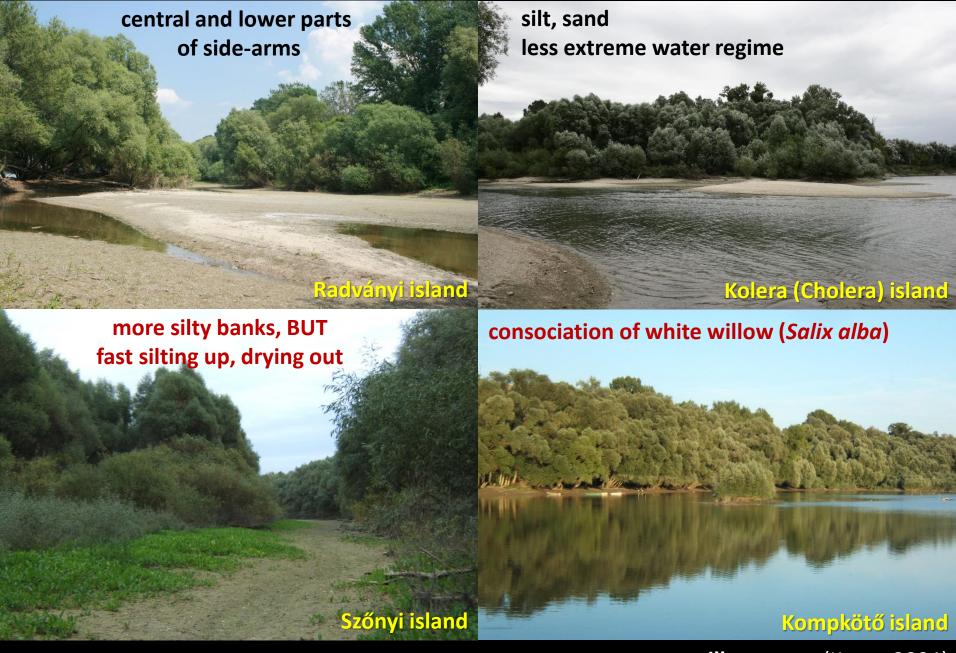








Almond-leaved willow scrub (Polygono hydropipero-Salicetum triandrae)



Willow—poplar alluvial forests: white willow groves (Leucojo aestivi-Salicetum albae) alluvium, low-lying area wider abiotic claims Koppánymonostori island Helemba island => white poplar grove (Kevey 2004)



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