

Human Activities and Biodiversity Protection - Case study of the Bata Canal

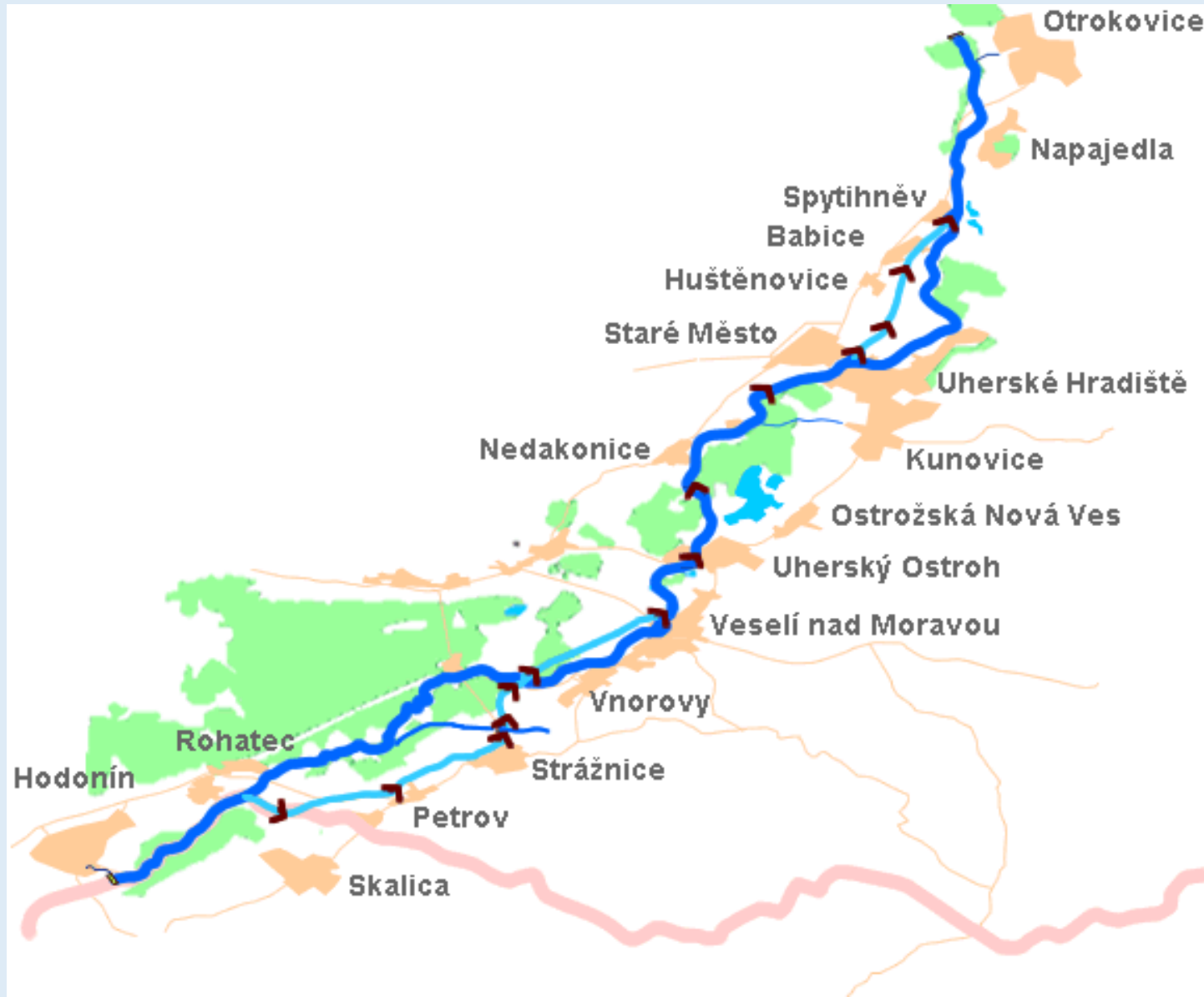


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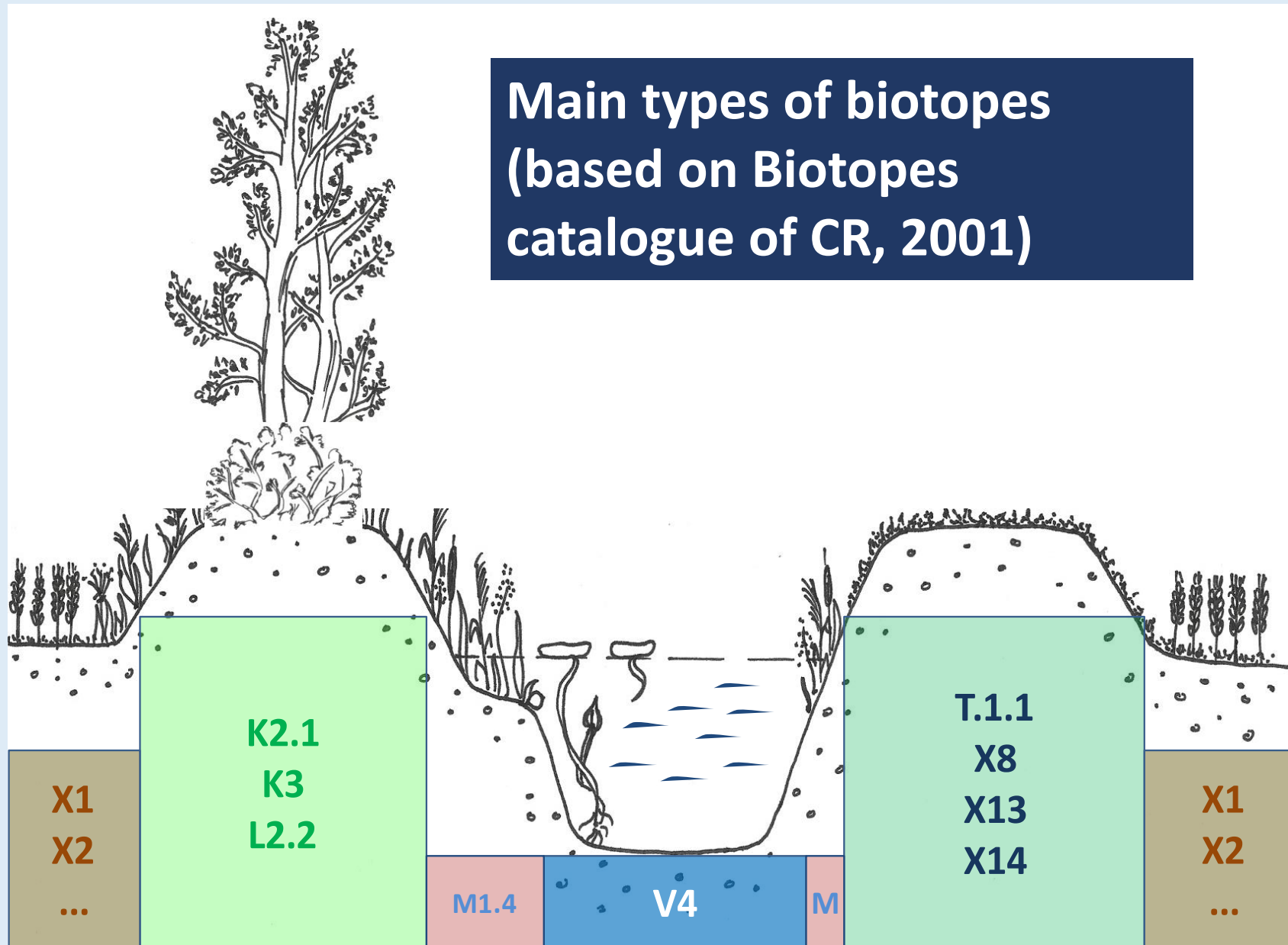
Bata canal – water way



Goals of the research

- **Field survey – to obtain the field data about the vegetation along the banks of Bata canal**
- **To analyze the current status of the vegetation concerning the vegetation management**
- **To propose the management system of the bank vegetation from the point of view of water way security as well as biodiversity and landscape protection**

Main types of biotopes – Bata canal

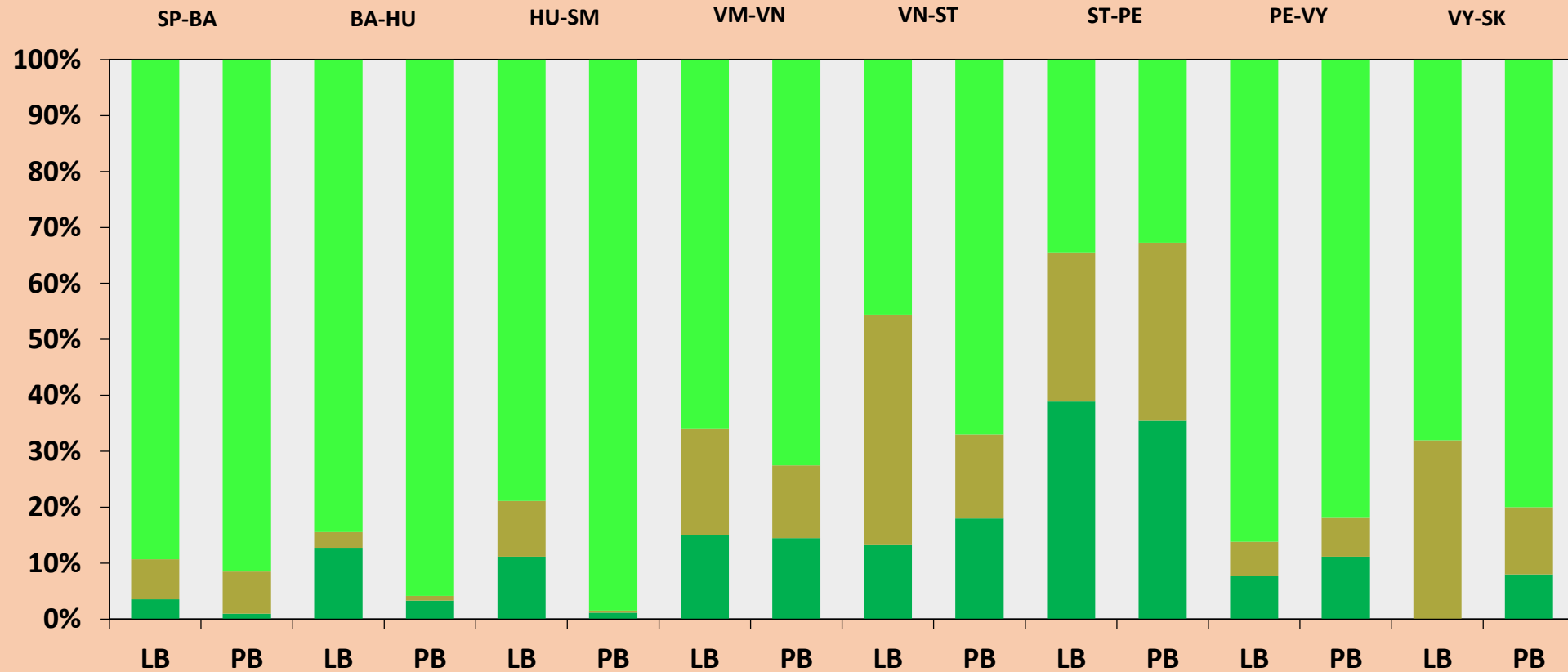


Results – Vegetation types

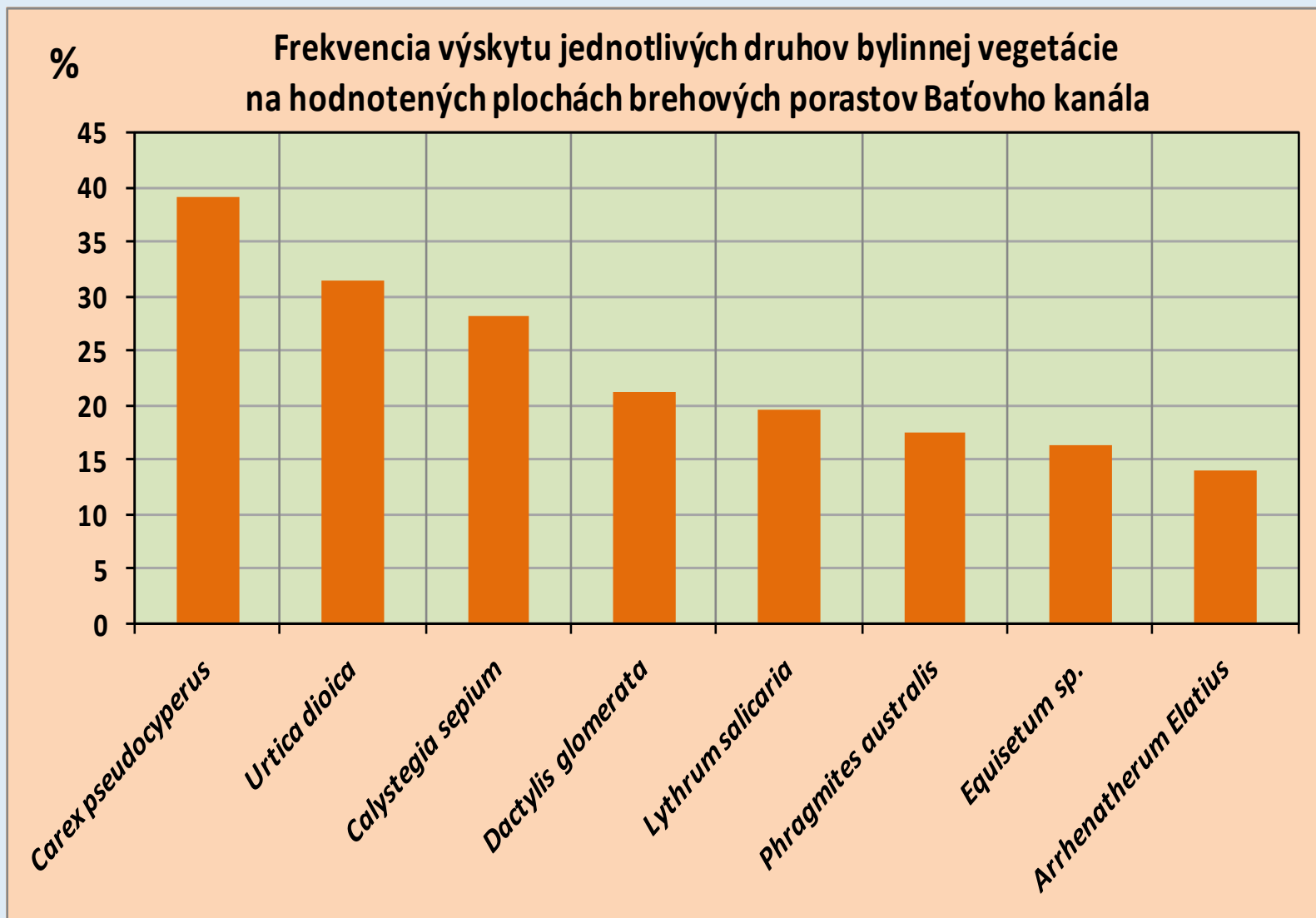
Percentage portion of the individual vegetation types for the segments of Bata canal

PB - Right river bank LB - Left river bank

Herbs Shrubs Trees



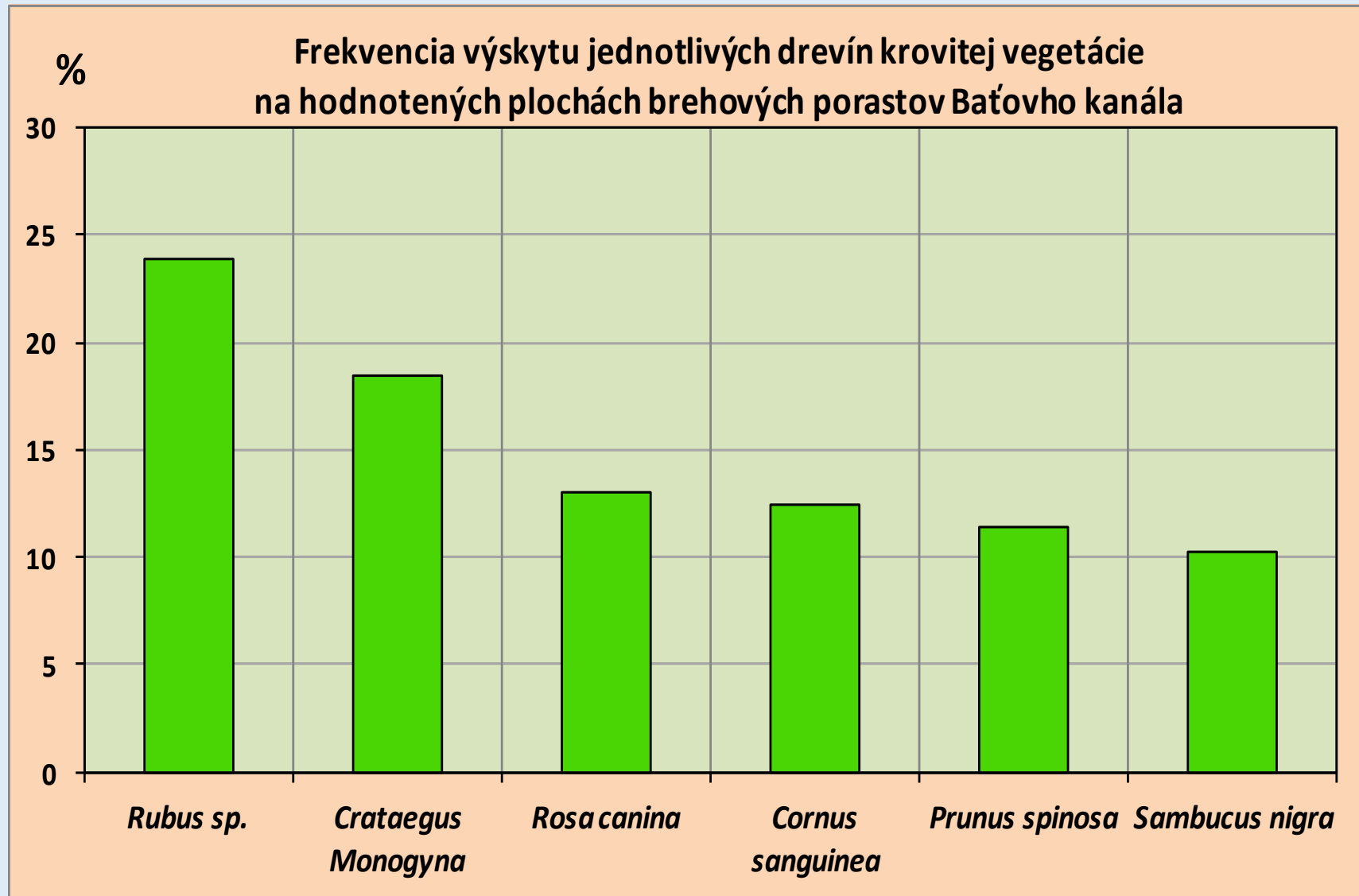
Results – Frequency of the herbs species



Lythrum salicaria



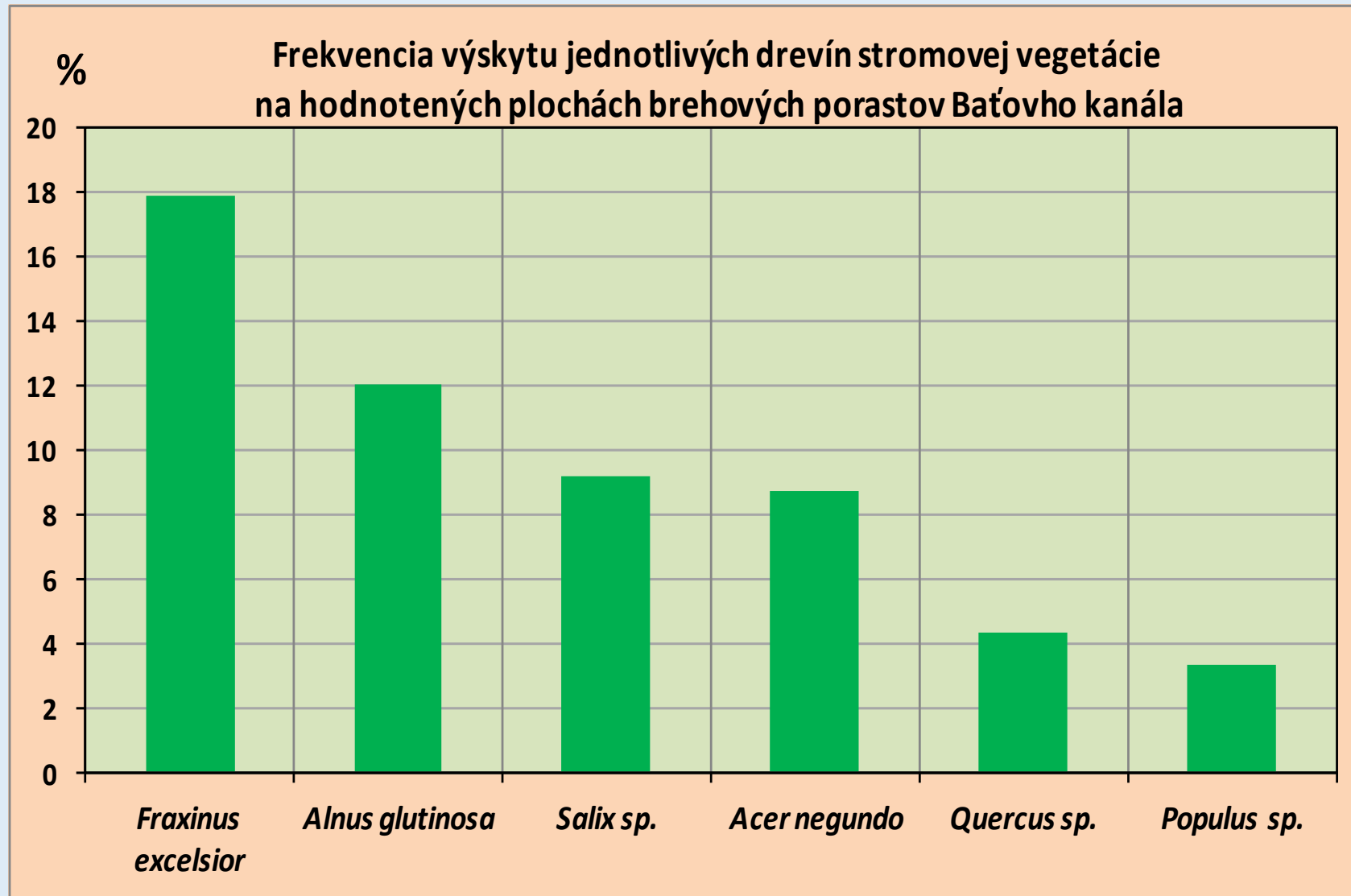
Results – Frequency of the shrubs species



Cornus sanguinea



Results – Frequency of the tree species



Invasive species – *Acer negundo*



- Very frequent in South Moravia region
- Very high potential of natural regeneration
- Remove from ecosystems – total root extraction

Invasive species – *Asclepias syriaca*



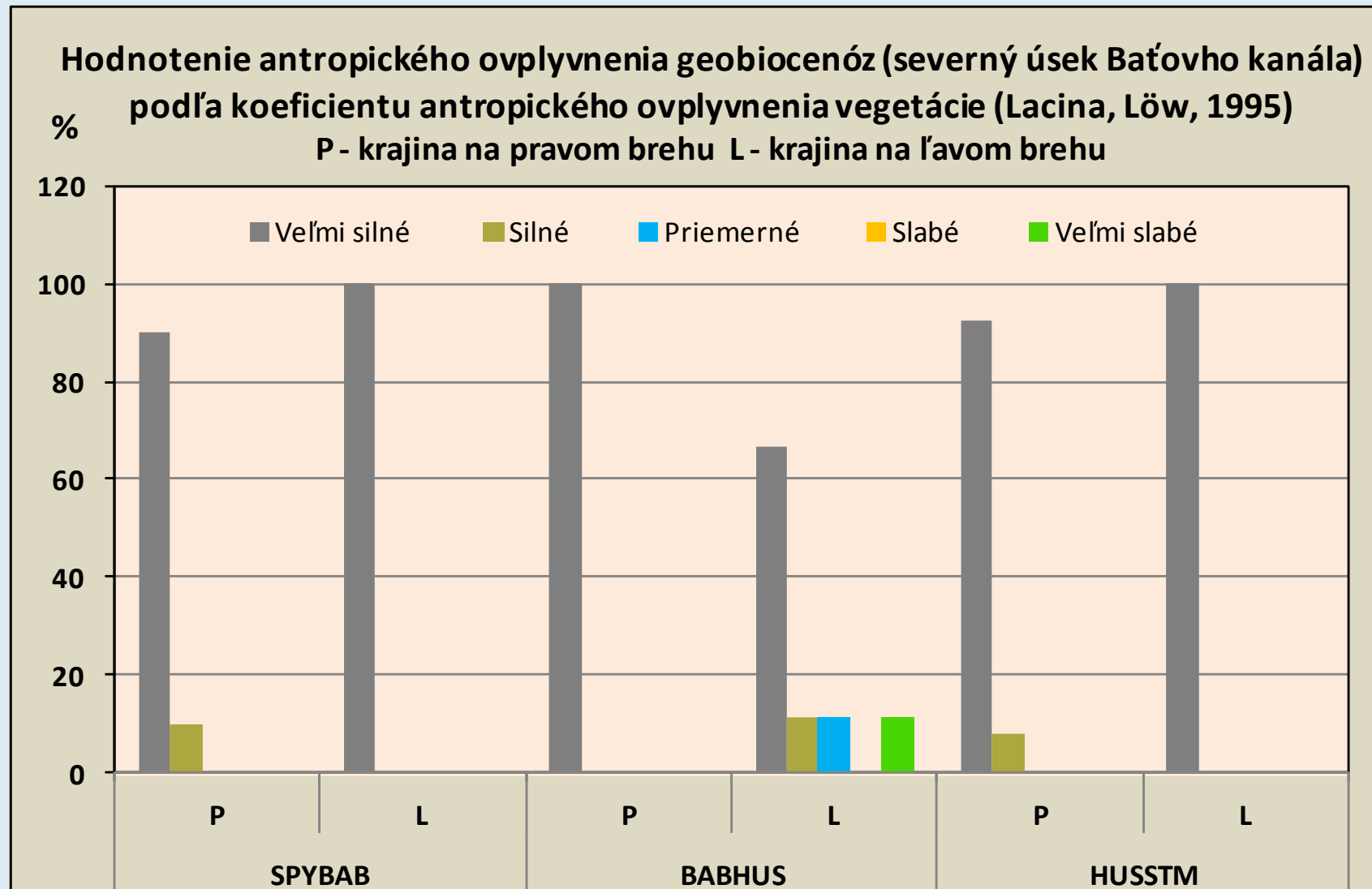
- Toxic species
- Several places near Veselí n.M.
- Remove from ecosystems – total root extraction

Invasive species - *Fallopia japonica* (*bohemica*)

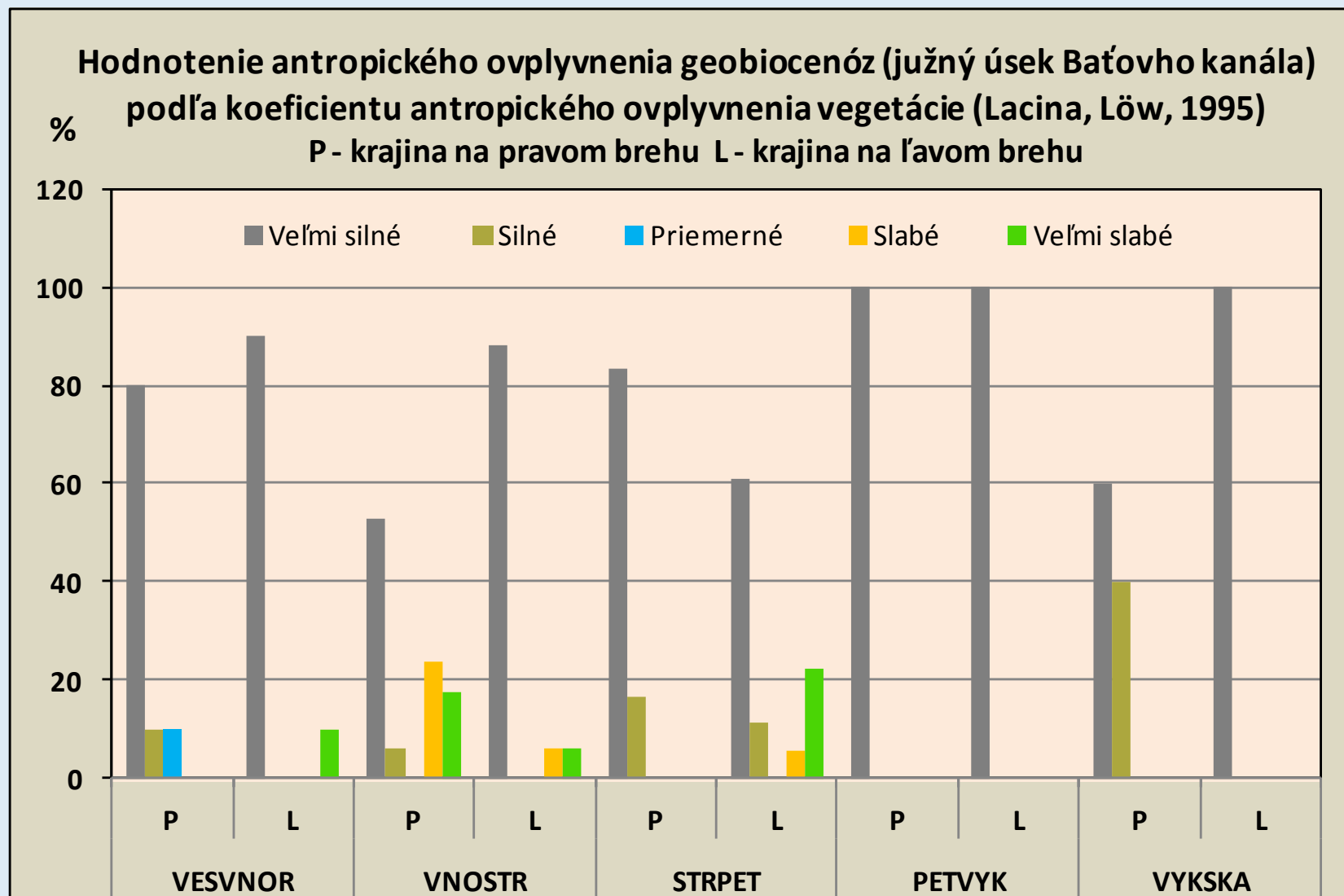


- Very intensive growth
- Impossible to remove from ecosystems
- 1 cm root part – enough for regeneration

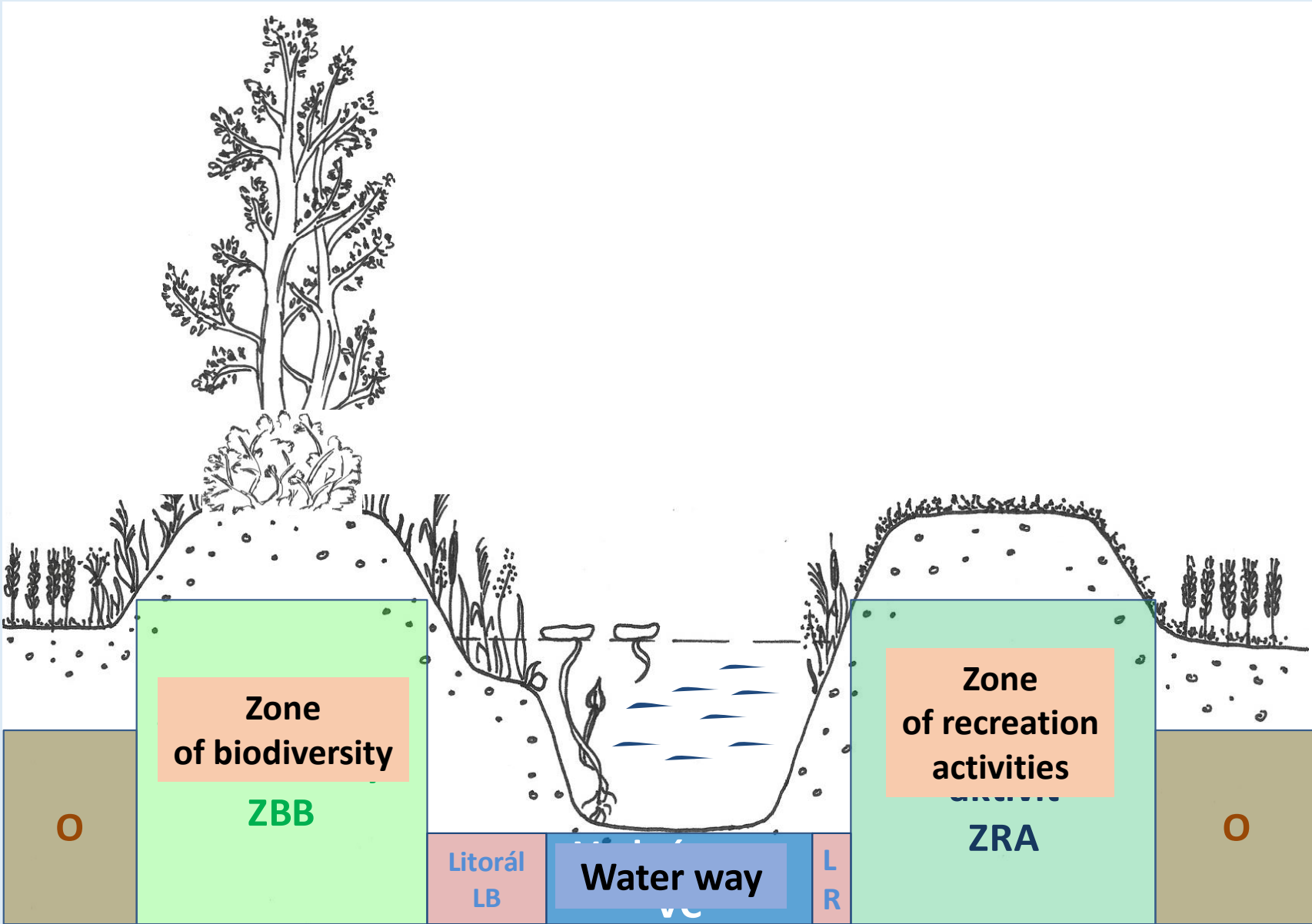
Anthropogenic influence on vegetation structure



Anthropogenic influence on vegetation structure



Proposal of the bank management



Bata canal – Veselí nM - Vnorovy



Biodiversity

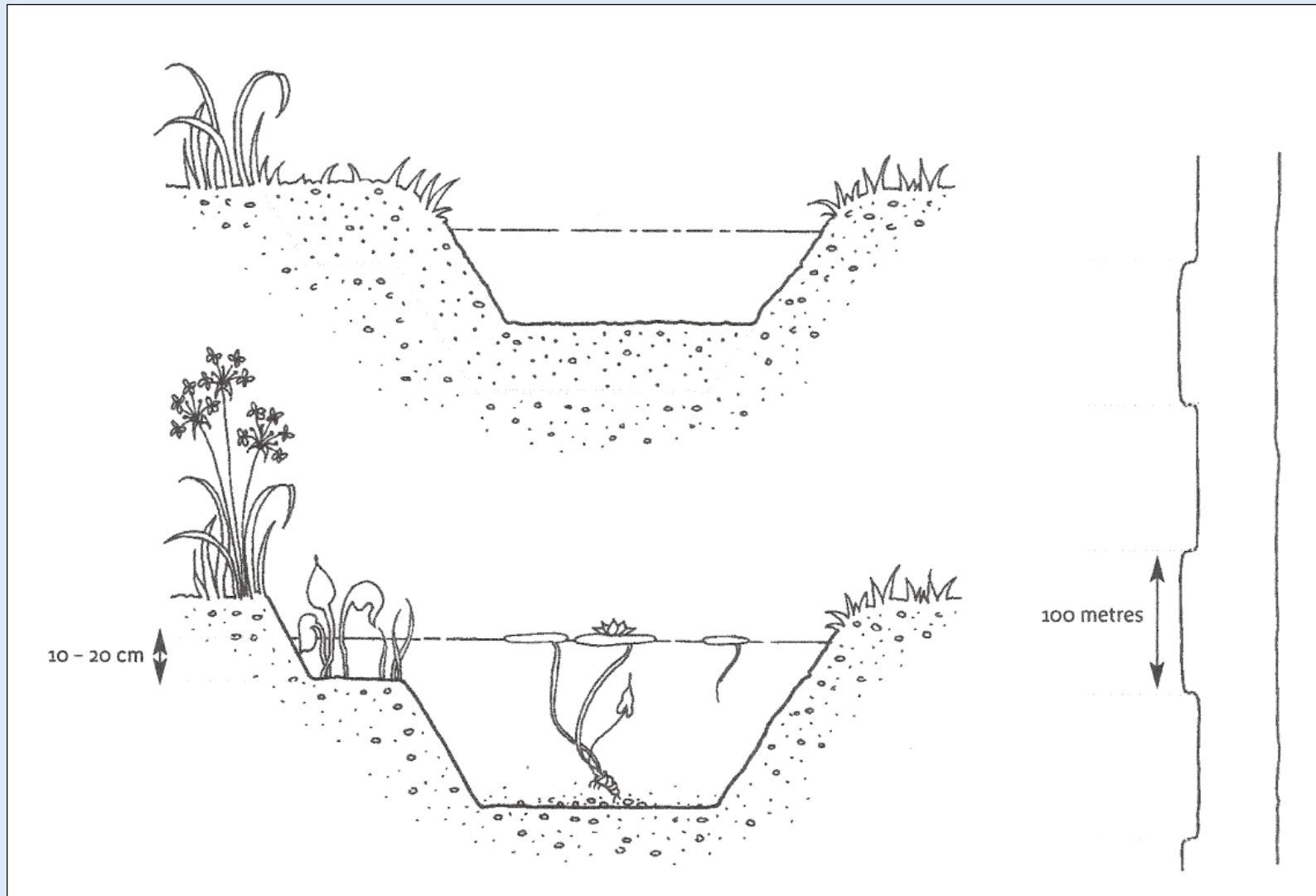
**Human
activities**

Reconstruction of the water way



- Reconstruction of the water way
Bata canal
- Harmonization of activities
 - Water transport (recreation)
 - Cycling, Trekking, ...
 - Biodiversity and Landscape protection

Management options to improve biodiversity



[2 UPRAVA-zeleno-PLNA OCHRANA.pdf](#)

Biodiversity corridors of BC – networking with landscape ecological stability system





Thanks for your attention