"Habitats, their anthropogenic changes and their influence on wetland ecosystems conditions."

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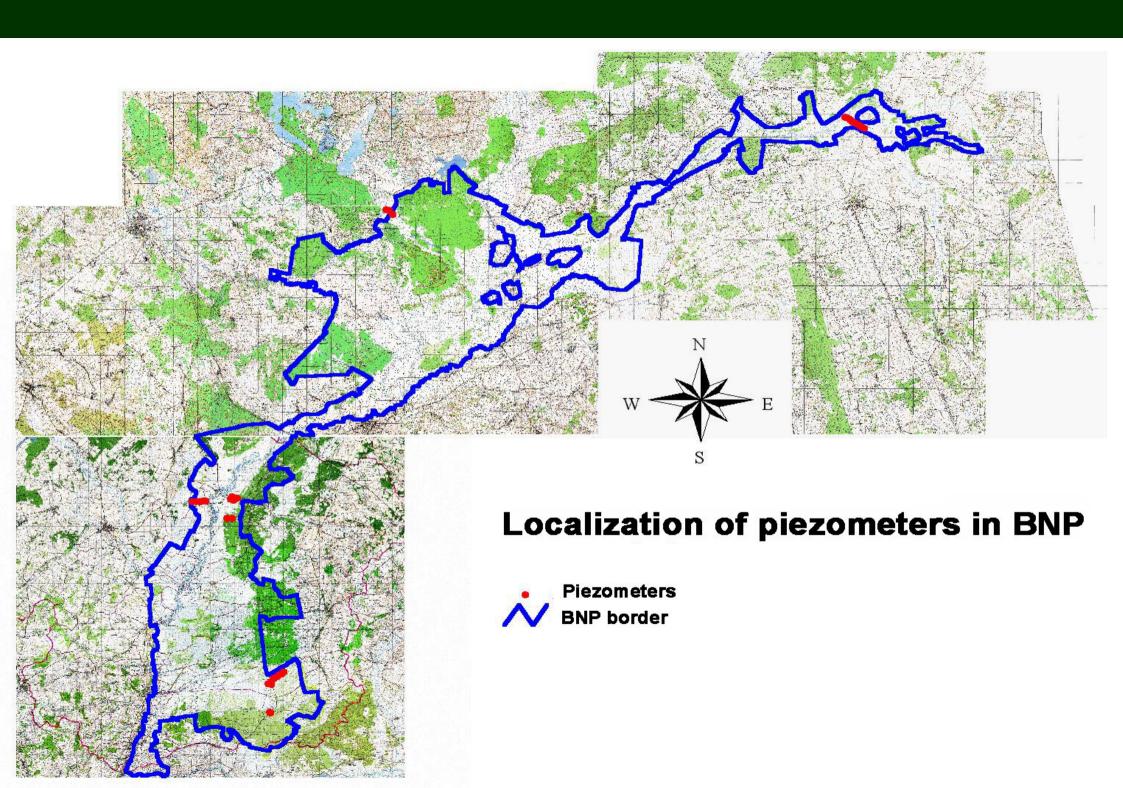
Mohssine El-Kahloun

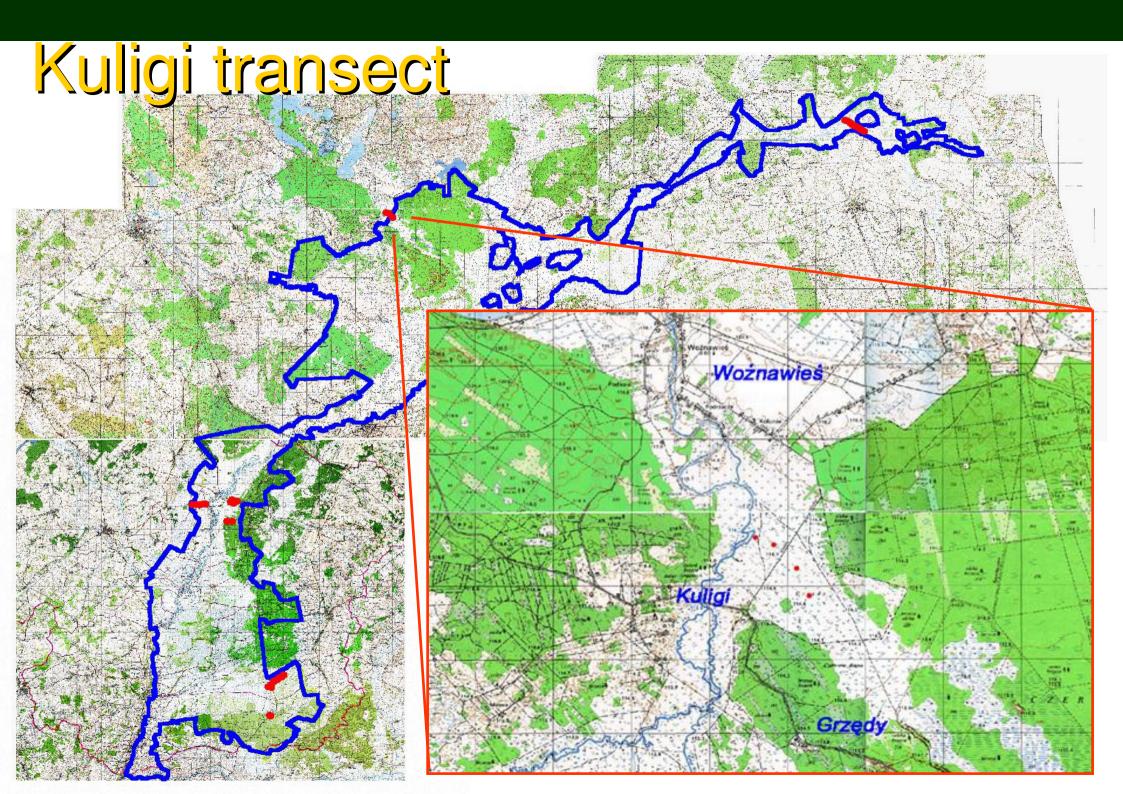
University of Antwerp
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Outline

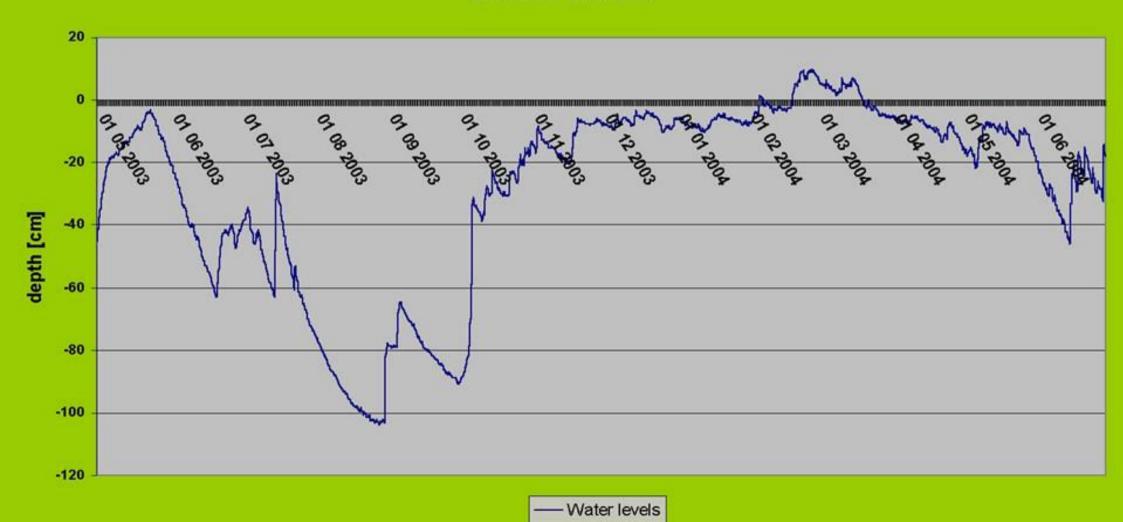
- Transects localization
- 2. Kuligi transect
 - Hydrological conditions
 - Vegetation diversity
 - Anthropogenic impact a) Influence of mowing
- 3. Mścichy transect
 - Hydrological conditions
 - Vegetation diversity
 - Anthropogenic impact
 - a) Influence of grazing
 - b) Road as a barrier for water







Kuligi [KUL2D] 30.04.2003 - 29.06.2004





 Mowing changes biodiversity, domination of species, amounts of biomass and litter and ratio between them.

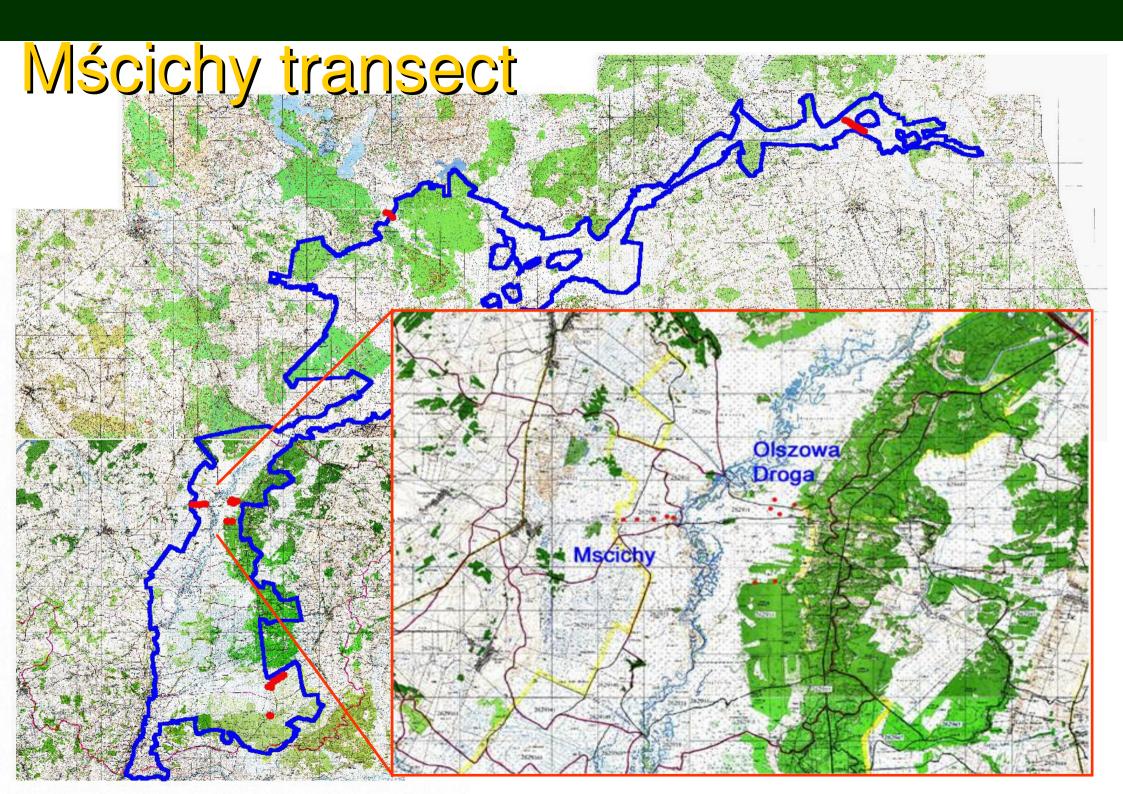




	Biomass	Litter	
	[g/m²]	[g/m ²]	
Mowed areas	c.a. 200	50-150	
Not mowed areas	rather the same like in mowed areas	600 - 750	

Species richness in Kuligi transect

Piezometer ID	Number of species	Molinio- Arrhenatheretea species	Phragmitetea species	Scheuchzerio- Caricetea species	Other species
KUL1	27	20	3	4	-
KUL2D	24	11	5	4	4
KUL3	17	9	4	-	4
KUL4	14	6	2	1	5
Not mowed part	21	8	5	3	5



Mścichy [MS3D] 04.08.2003 - 28.06.2004





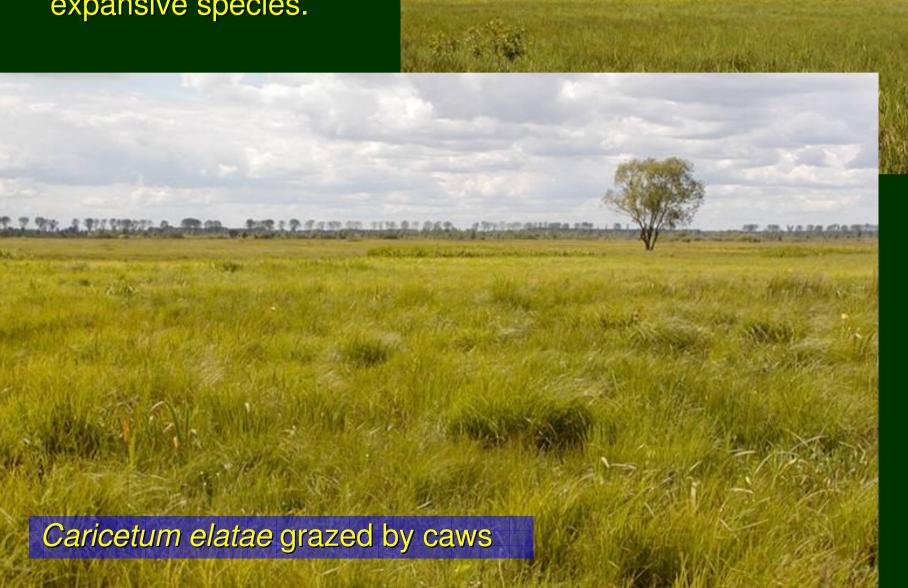
Influence of grazing

- Grazing promotion of structural diversity of species being able to maintain without sowing.
- Treading important for forming areas of regeneration, especially in spring and summer, too intensive is very dangerous - may destroy vegetation.
- Excrements diffused excrements bring out species and structural diversity

 Desistance from grazing – leads to domination of less valuable species and possible losing of habitats due to development of shrubs.



 Influence of grazing by cattle – limits rank vegetation and domination of expansive species.



- Two factors are responsible for differences in plant communities cover on two sides of the road:
 - Road a barrier for water flaw (especially during low and average stages).
 - Ditch on the north side of a road barrier for cows, they choose food which is easier to get - on the south side of the road.







DZIEKUJE