

Social needs and preferences in the context of landscape design

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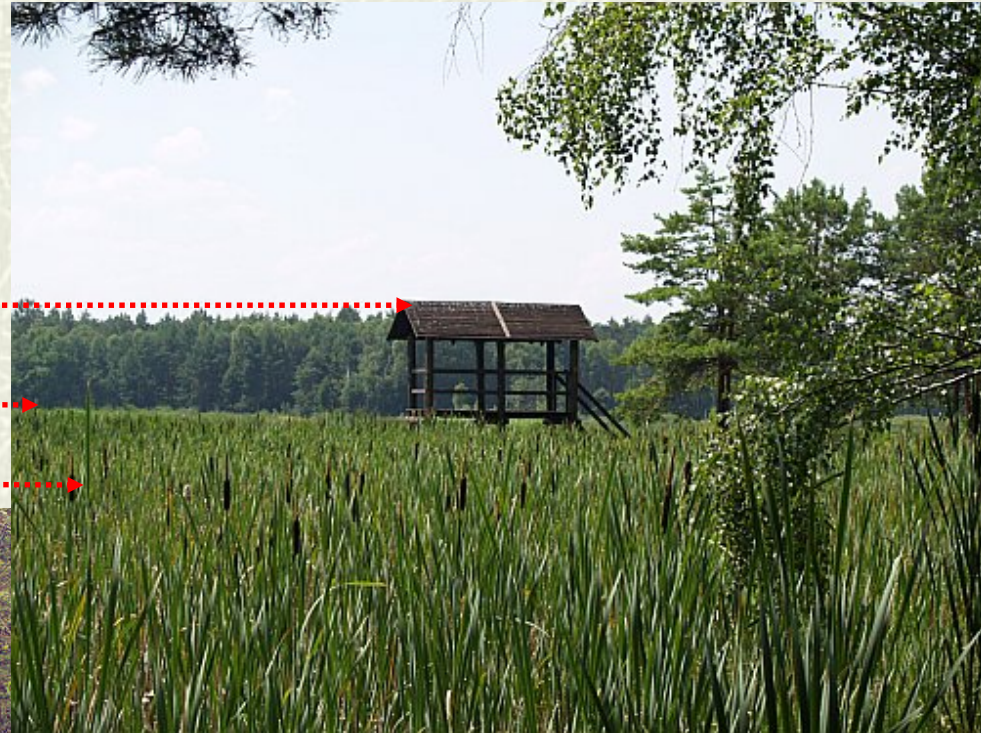
Warsaw University of Life Sciences, Poland

Forest landscape - elements

Points

Lines

Surfaces



Landscape interior

Forest landscape design – law basis



Forest silviculture principles

The guidelines in the issue of forest ecological management improving



http://www.mieszkowosc.pl/Dzialka_Lesznowola/Description_files/shapeimage_1.jpg

Forest landscape aesthetics –application possibility

Establishing of the protection areas



Valuation the forest property



Forest landscape aesthetics – application possibility

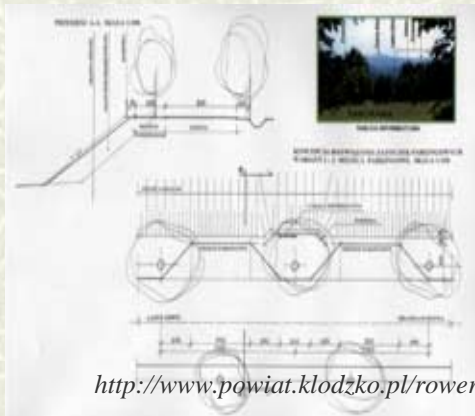
Determination of the recreation areas



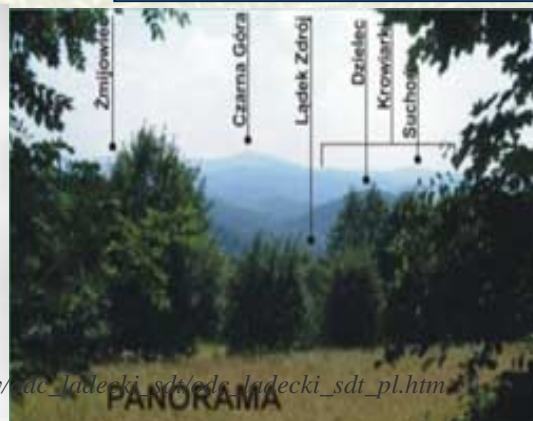
<http://www.dpn.pl/content.php?mod=photo&page=4&fsid=40&lang=pl>



Improvement of safety and comfort on the roads



http://www.powiat.klodzko.pl/rowery/ed_ladecki_sdt/ed_ladecki_sdt_pl.htm



17 6 2005

Forest landscape aesthetics – the research methods

Poll/ interview - questionnaire

CZĘŚĆ OGÓLNA

1. Jakle c zynniki decydują o atrakcyjności krajobrazu w lasu?
(proszę ocenić poszczególne cechy w skali 1-3)
1-ocena nie istotna, 2-ocena istotna, 3-ocena bardzo istotna (wpływająca na atrakcyjność krajobrazową lasu)

- 1.1 różnorodność, bogactwo gatunków
- 1.2 zmienność sezonowa
- 1.3 kolorowość, barwy liści w sezonie jesiennym
- 1.4 cechy lasu (wiek, charakter porostowy, grubość itp.)
- 1.5 obecność elementów wodnych (jeziora, rzeki, itp.)
- 1.6 inne (jakie?).....

2. Które z cech drzewostanu najbardziej wpływają na atrakcyjność krajobrazu w lasu?
(proszę zaznaczyć jedną odpowiedź)

- 2.1 wiek
- 2.2 rodzaj lasu
- 2.3 typ lasu (liściasty, iglasty, liściasto-iglasty)
- 2.4 zróżnicowanie gatunkowe
- 2.5 charakter podostoi (podszycie)
- 2.6 plątanina drzewostanu
- 2.7 inne (jakie?).....

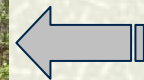
3. Który z poniższych czynników najbardziej wpływa na komfort jazdy?
(proszę zaznaczyć jedną odpowiedź)

- 3.1 geometria drogi
- 3.2 stan nawierzchni
- 3.3 obecność drogi
- 3.4 oznakowanie drogi
- 3.5 inne (jakie?).....

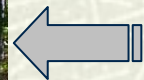


Forest landscape aesthetics – the research methods

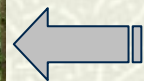
Photo - questionnaire



questions about underwood and underbrush



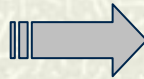
questions about forest types (coniferous, mixed and leaved)



questions about the character of soil cover and existence of dead wood

Forest landscape aesthetics – the research methods

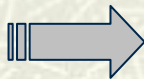
questions about relationship between forest and different types of water reservoirs



questions about different kind of recreation facilities

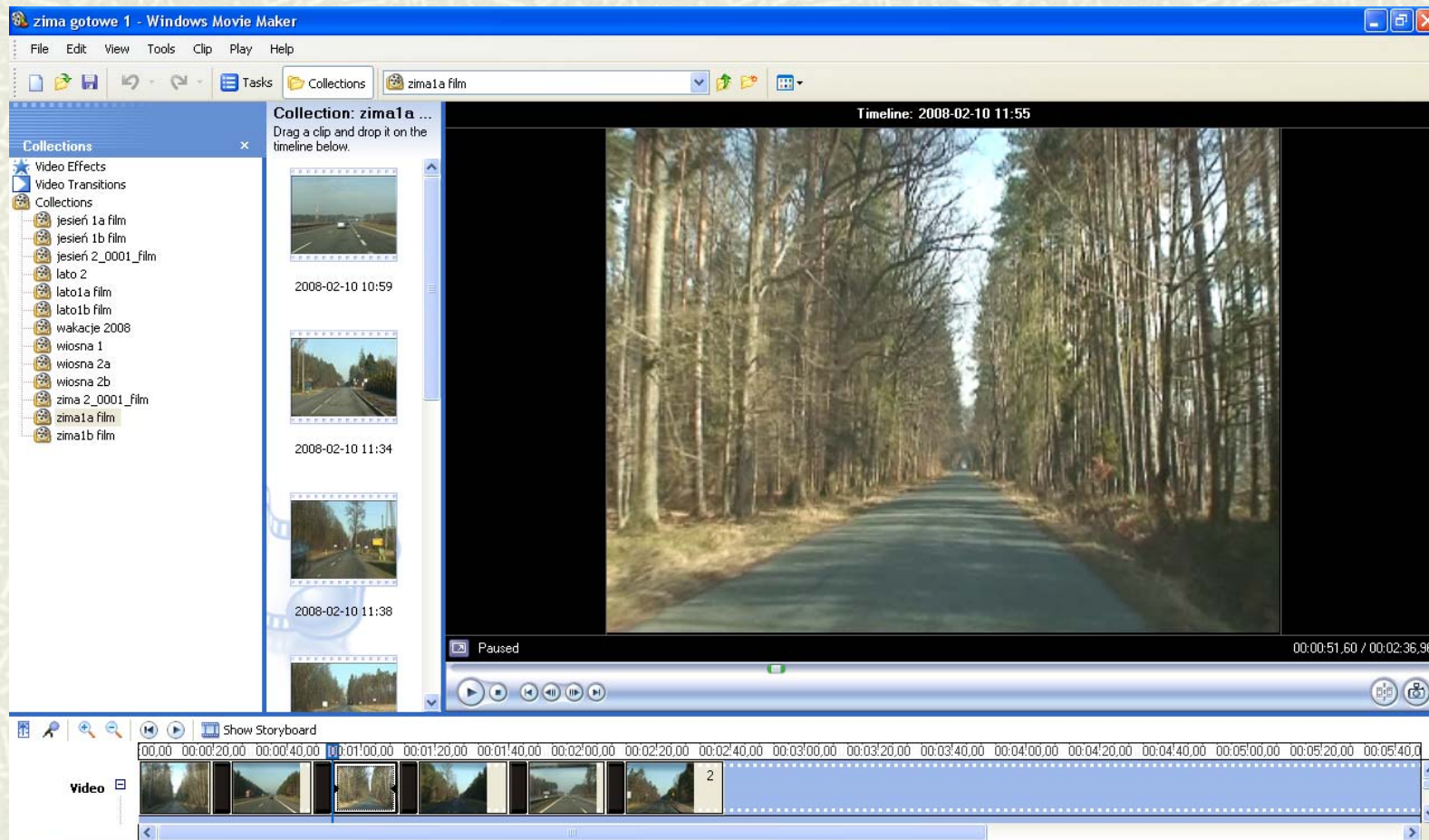


questions about forest vegetation (green soil cover, forest litter, moss cover)



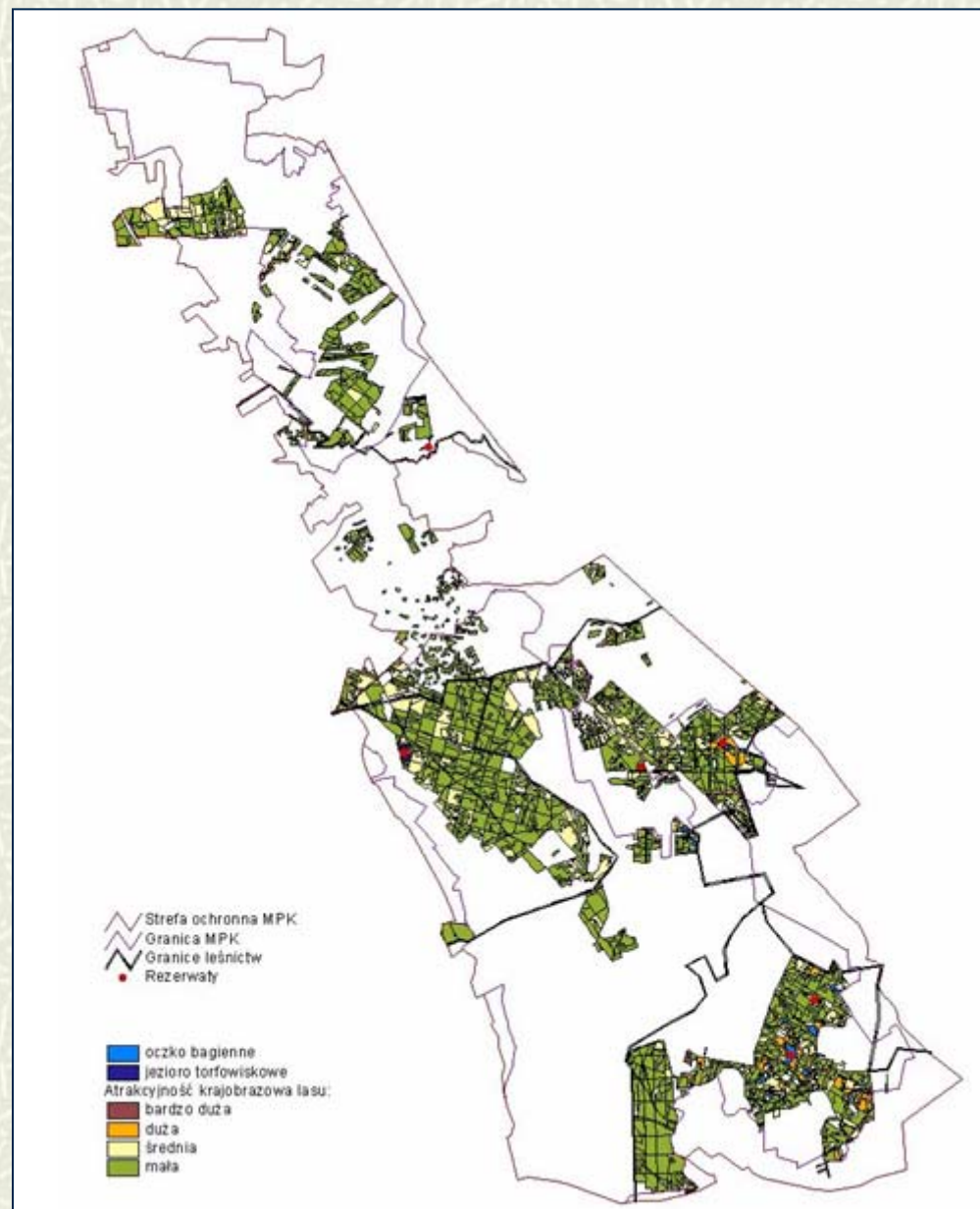
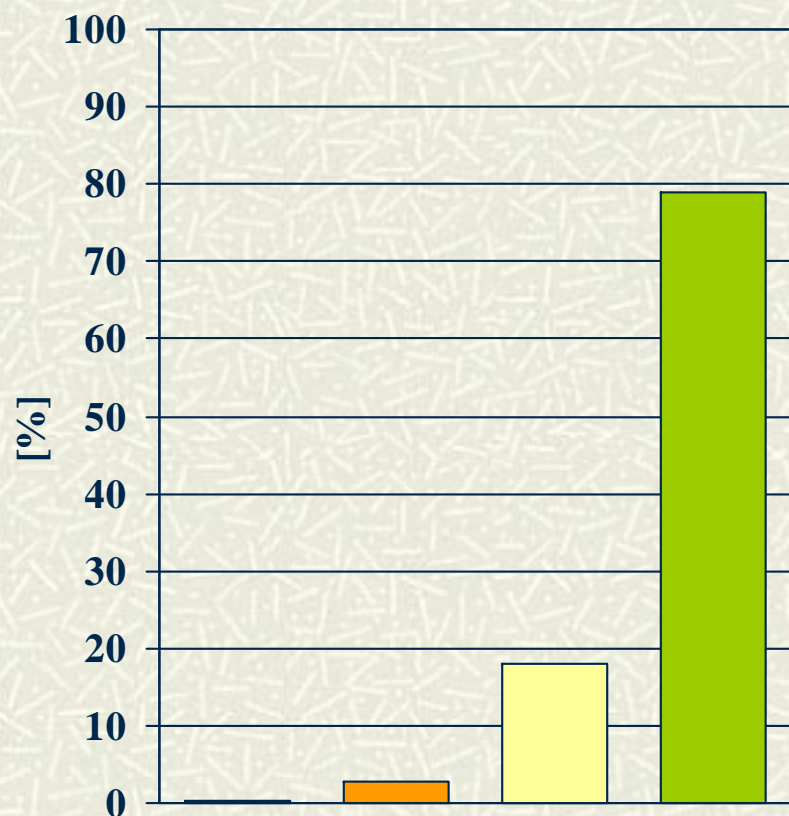
Forest landscape aesthetics – the research methods

Film projection



The reaserch of landscape preferences – examples of results

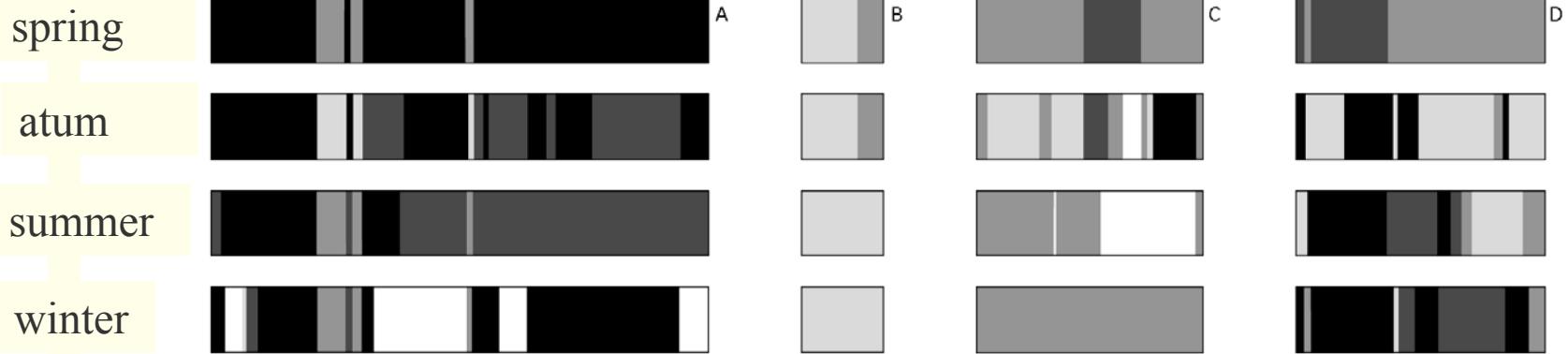
Forest landscape attractiveness as an element of assessment of forest recreation usefulness



The reaserch of landscape preferences – examples of results

ASSESSMENT OF FOREST LANDSCAPE ALONG THE ROADS

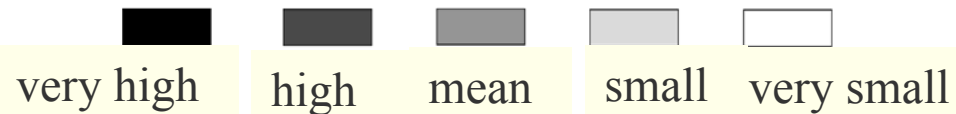
Local, commune roads – assessment on the photo basis



Local, commune roads – the mean assessment on the photo basis



attractiveness



SKALA 1 : 50 000

The reaserch of landscape preferences – results example

Local commune road



motorway



provincial road



Conclusion

Landscape is very important in people's life and for this reason it requires skillful design

Forest landscape design is connected with silviculture action and forest engineering management

The research of social landscape preferences are essential in forest recreation facilities design and improvement of rest comfort and roads safety

More detailed reaserch on forest landscape perception should be provided