

GIS mapping of Tomsk region wetlands

Sinyutkina Anna

Siberian Research Institute of Agriculture and Peat of
Russian Academy of Agricultural Sciences, Tomsk

The goal

is to identify patterns of spatial and temporal organization of natural and anthropogenically altered wetland landscapes of Tomsk region using GIS modeling



Landscape mapping of wetland geosystems includes the following operations:

- preliminary interpretation of satellite images and selection of key sites;
- conduct field interpretation of satellite images and of large-scale mapping of key sites;
- create a catalog of direct and indirect interpretive signs;
- interpretation of satellite images;
- conduct spatial and statistical analysis



The results:



- ✓ Conducting field interpretation of satellite images helped to clarify interpretive features of different types of mire and wetlands of Tomsk region;
- ✓ The method of mapping wetland geosystems using GIS at different scales is developed;
- ✓ GIS database containing the characteristics of field points landscape descriptions, large-scale maps of key areas, a middle-scale map Tomsk region wetland geosystems is created



Thank you for attention !!!

