



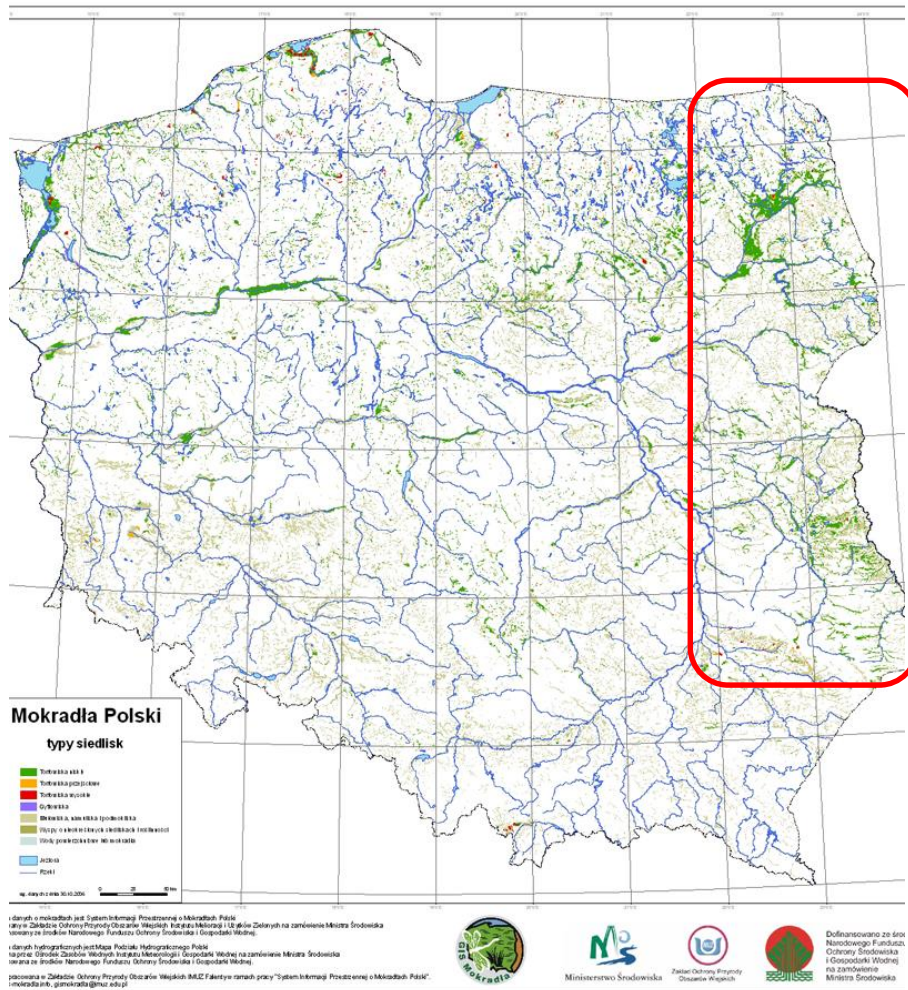
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***Present state and development
perspectives of meteorological network for
eastern Poland wetland ecosystems***

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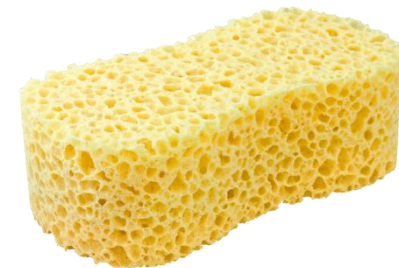
East POLAND wetlands



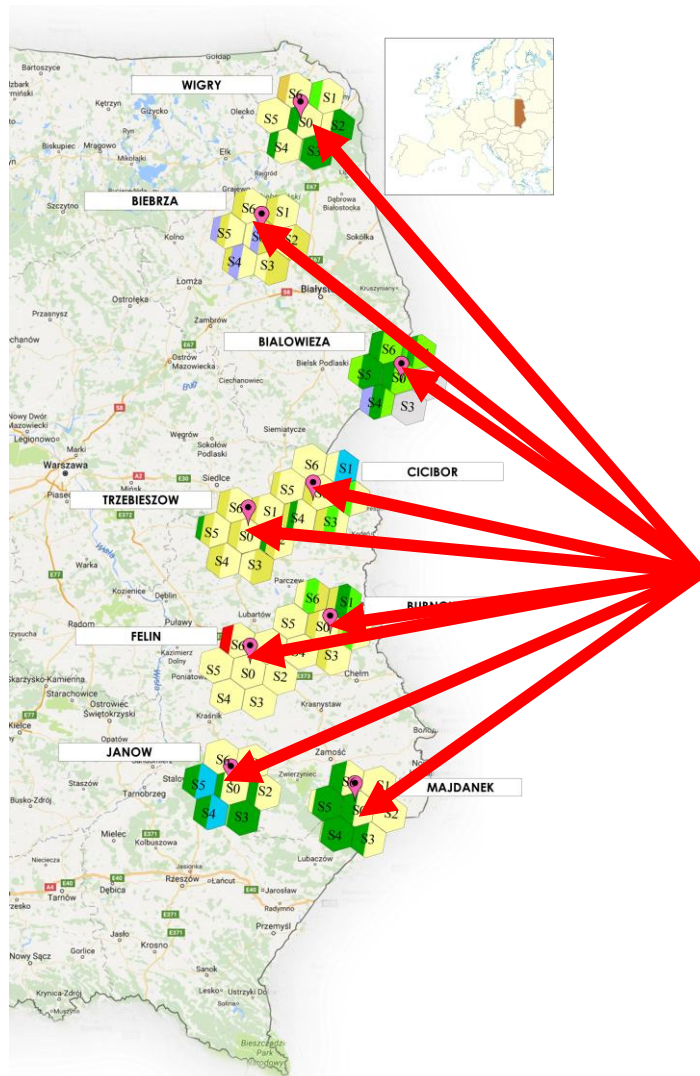
Biebrza River Wetland



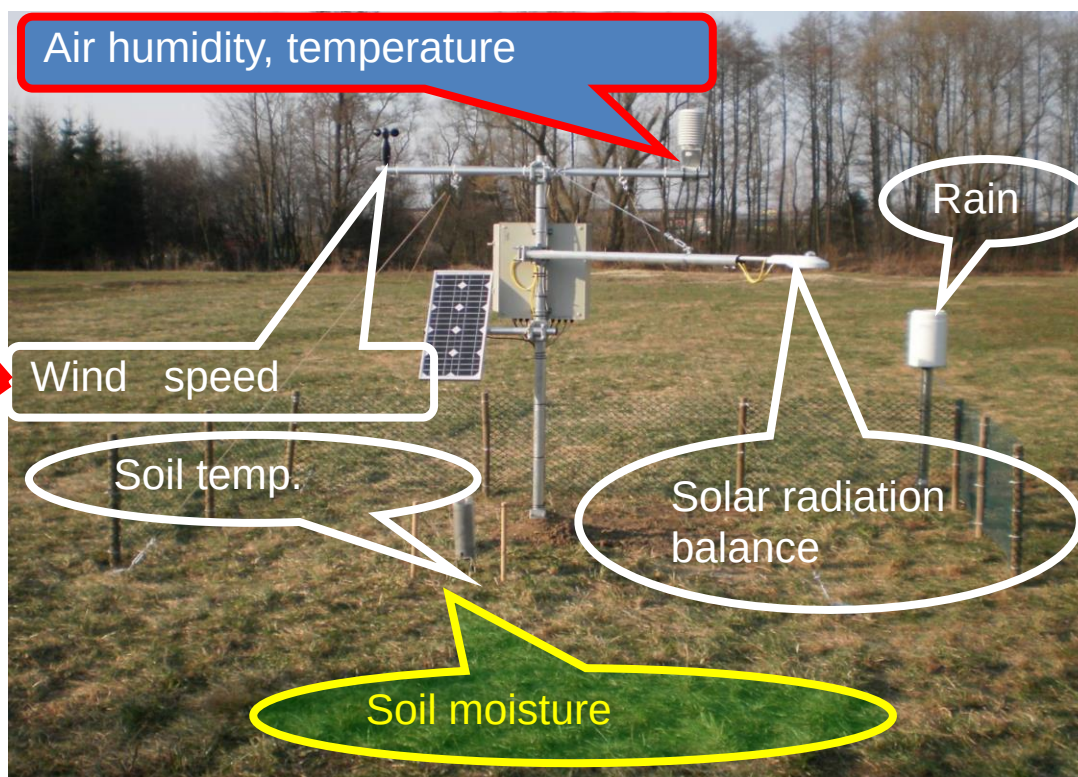
Bubnów Wetland



Present state – point scale



Basic meteorological station

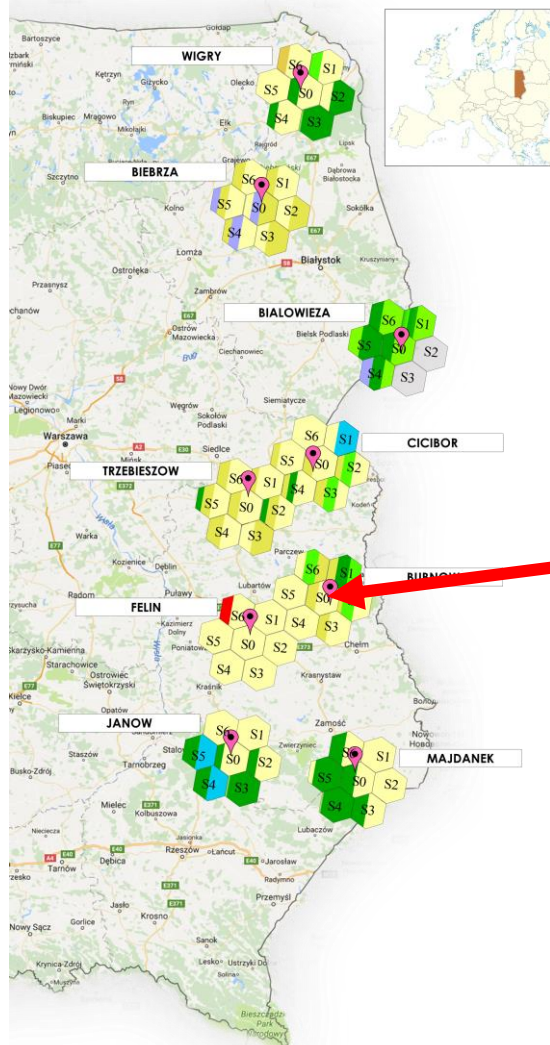


First measurements started in 2006

Present state – medium scale



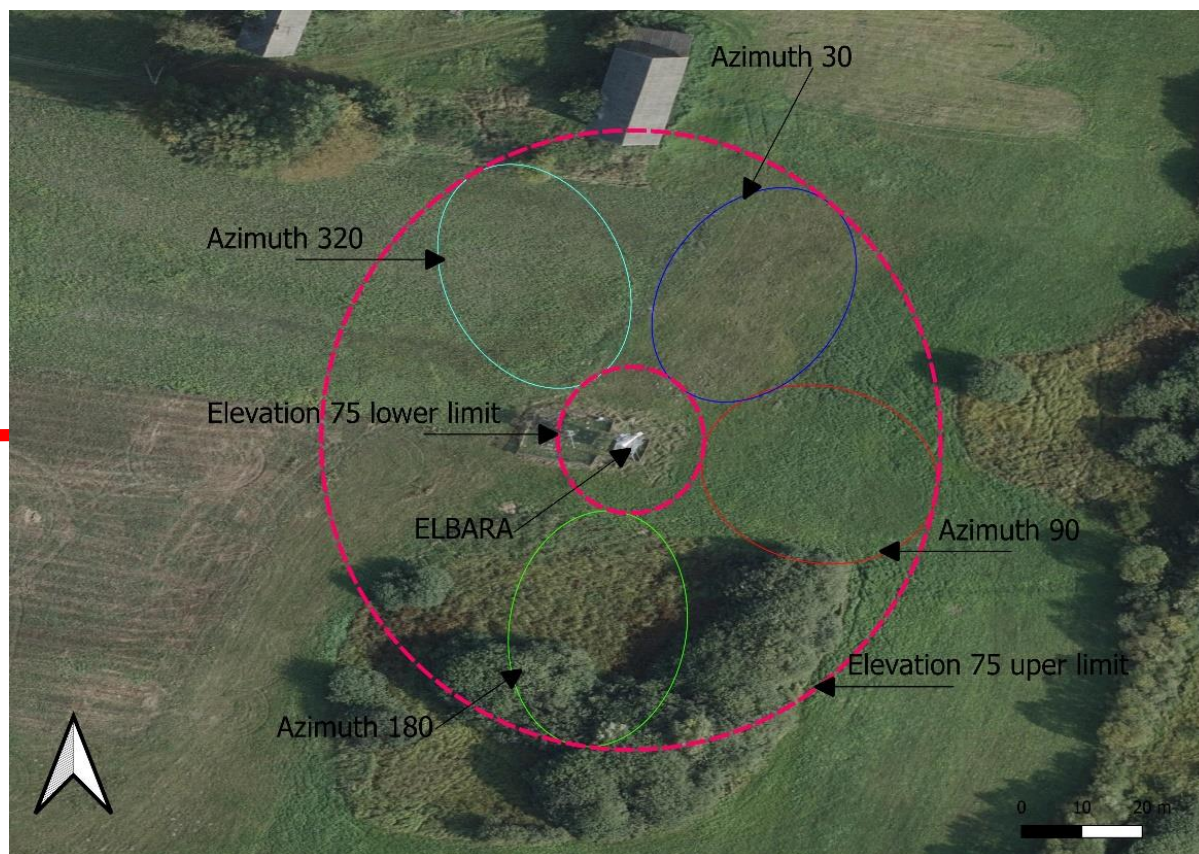
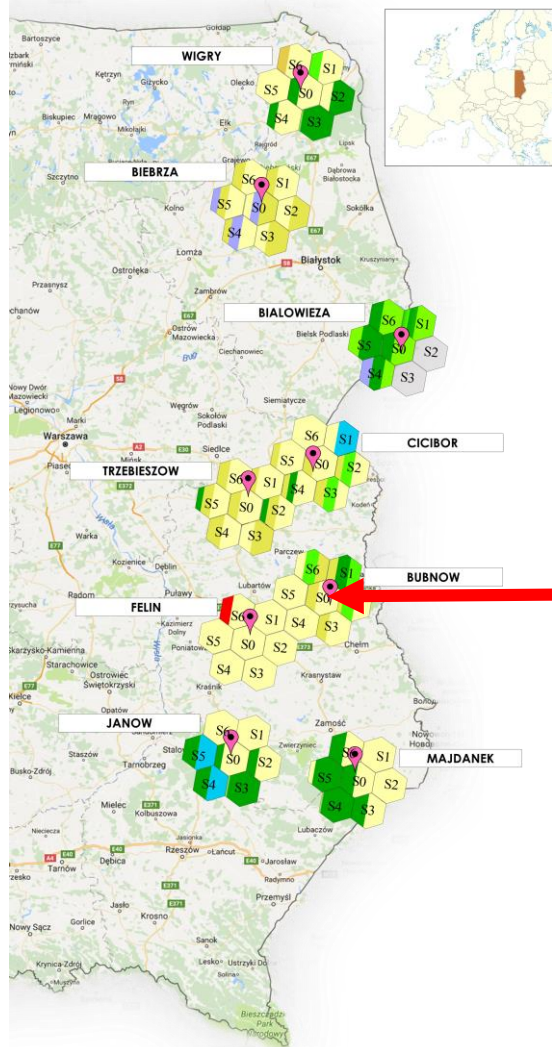
ESA L-band Radiometer - ELBARA



Present state – medium scale



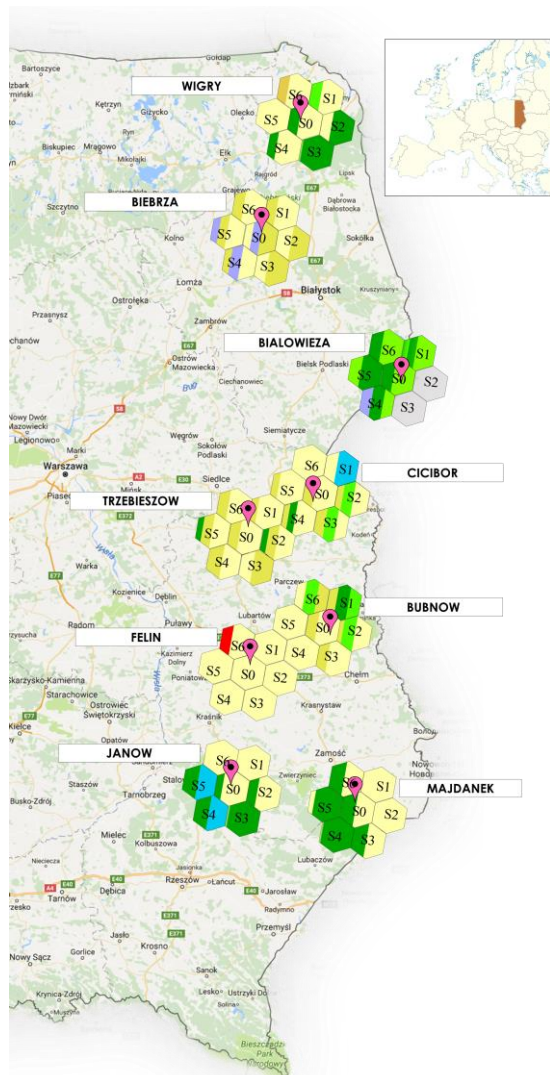
ESA L-band Radiometer - ELBARA



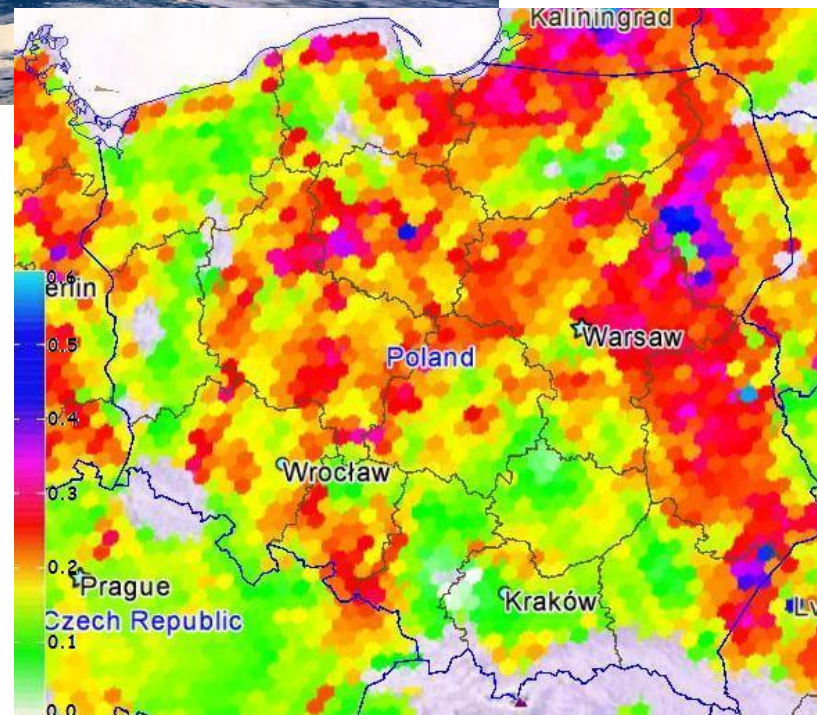
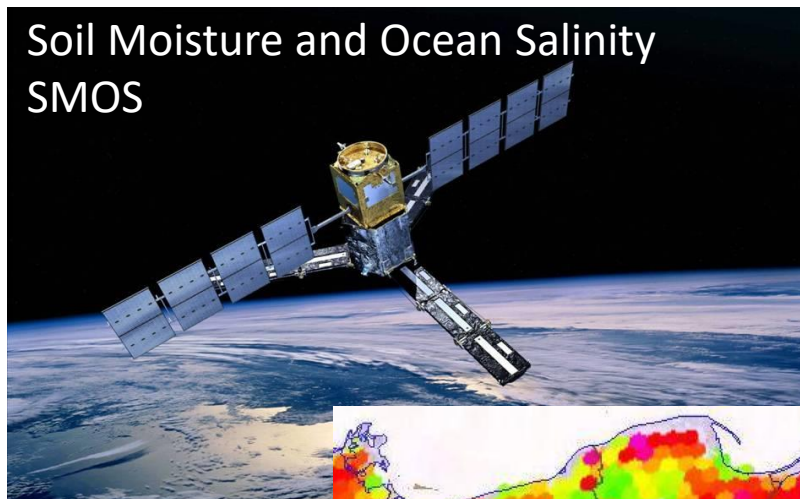
Present state – satellite scale



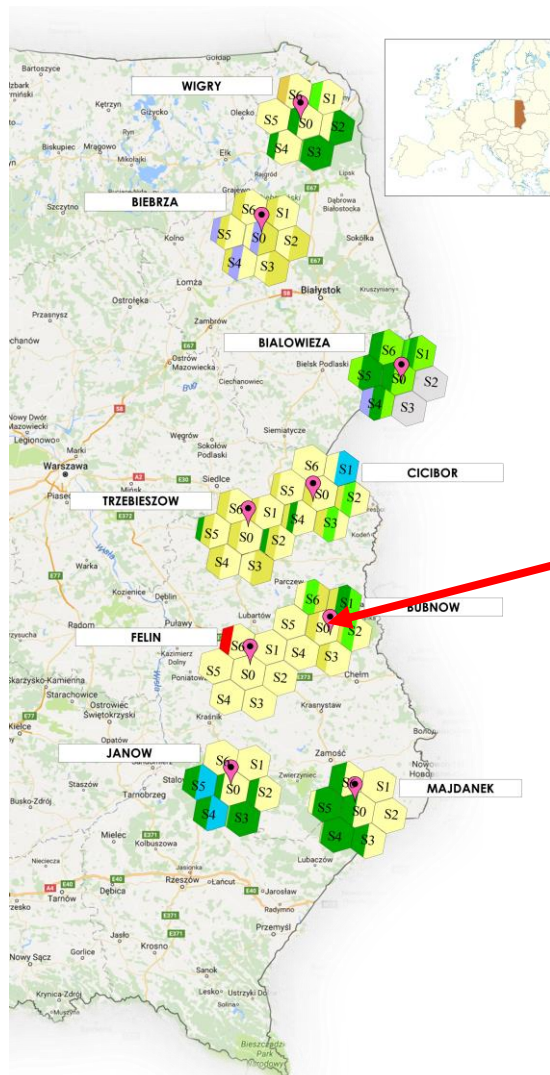
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Soil Moisture and Ocean Salinity SMOS



Perspectives

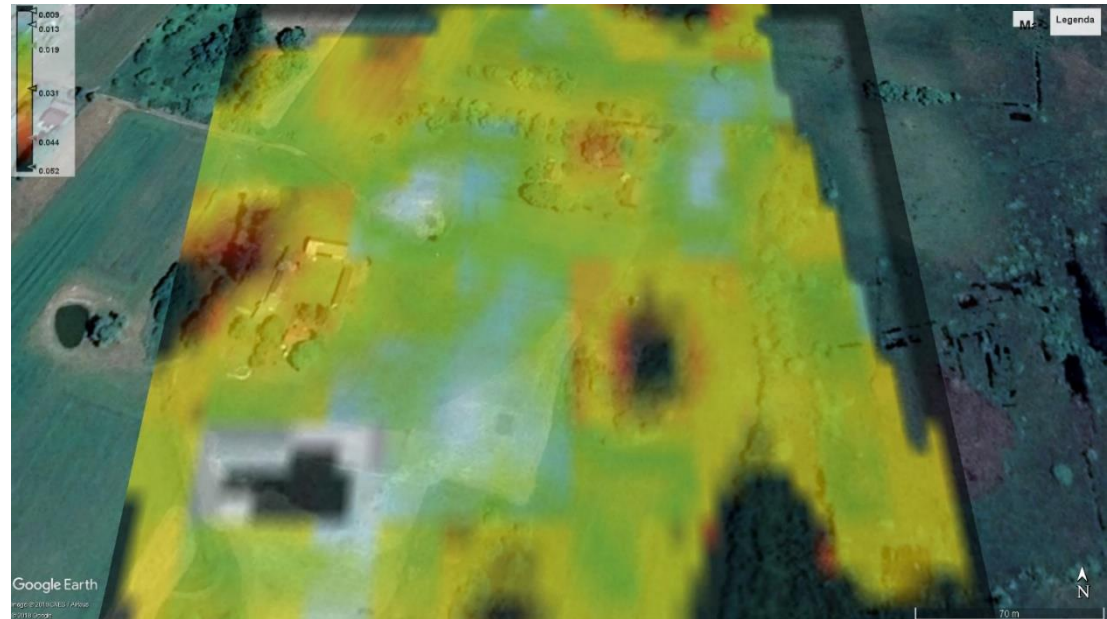
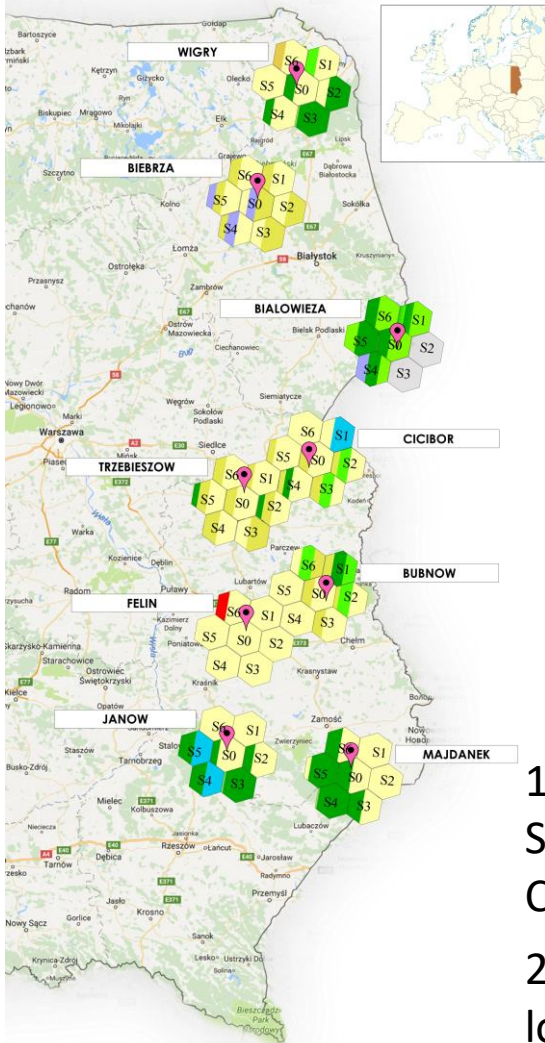


Topic 1: Improvement of medium scale soil moisture assessment by application of Cosmic Ray Neutron Sensing



Correlation of two different medium scale soil moisture data at heterogeneous land cover area? (CRNS vs ELBARA)

Topic 2: Multi-spatial soil moisture data fusion



1. Point measurements -> ELBARA retrievals -> Algorithm for Sentinel-1 soil moisture products for Meadow, Wetland and Cropland
2. Sentinel-1 soil moisture products for all point measurements localizations



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Welcome to Bubnów Wetland Turist Path

THANK YOU FOR YOUR ATTENTION!



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