



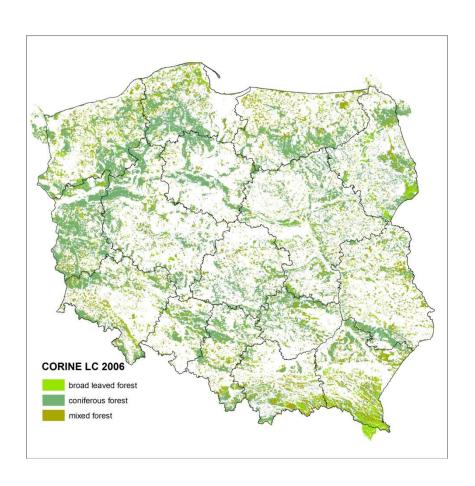


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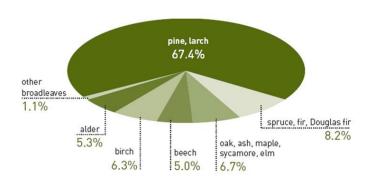




Forest - 29.3% of Poland (~91,630 km²)

77% - State Forests National Forest Holding

National 'Forest 'definition a homogeneous area of 0.1 hectares

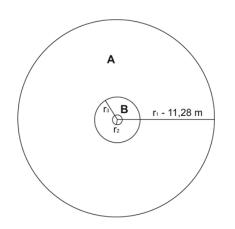




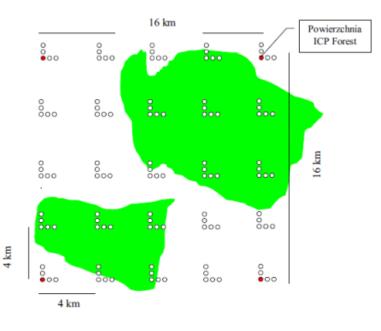
In situ data

 Large-scale National Inventory of Forest Condition – the location of plots corresponds to ICP Forests network

Systematic 16 x 16 km grid – inside 25 L-shaped plots – 4 x 4 km grid consisting 5 sampling plots located 200 m apart



 $r_2 - 0.56 \text{ m}$ $r_3 - 2.59 \text{ m}$



Plot size 0.05 ha



DBH, height and number of trees,

growing stock volume

biomass expansion factors (BEFs) (IPCC, 2006)

+

wood density (WD) following IPCC guidelines National Center for Emission Management

Forest biomass [t/ha]

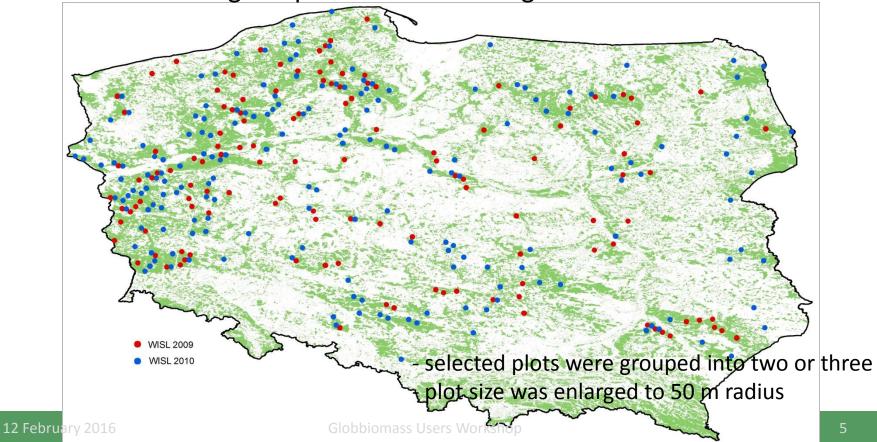
GSV

Biomass

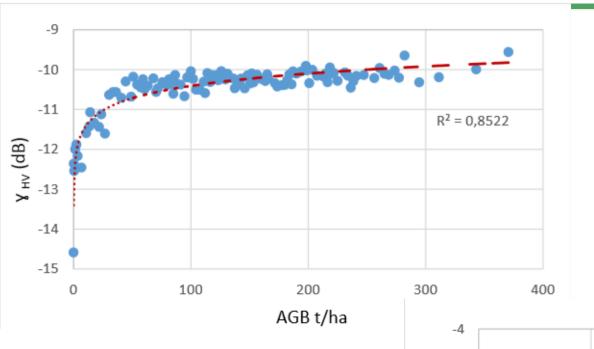


Selection of plots for biomass modeling:

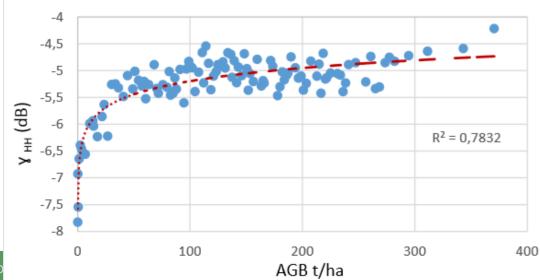
- plots fully covered with forest
- located on terrain with slopes less than 5deg
- -the forest surrounding the plot must be homogenous



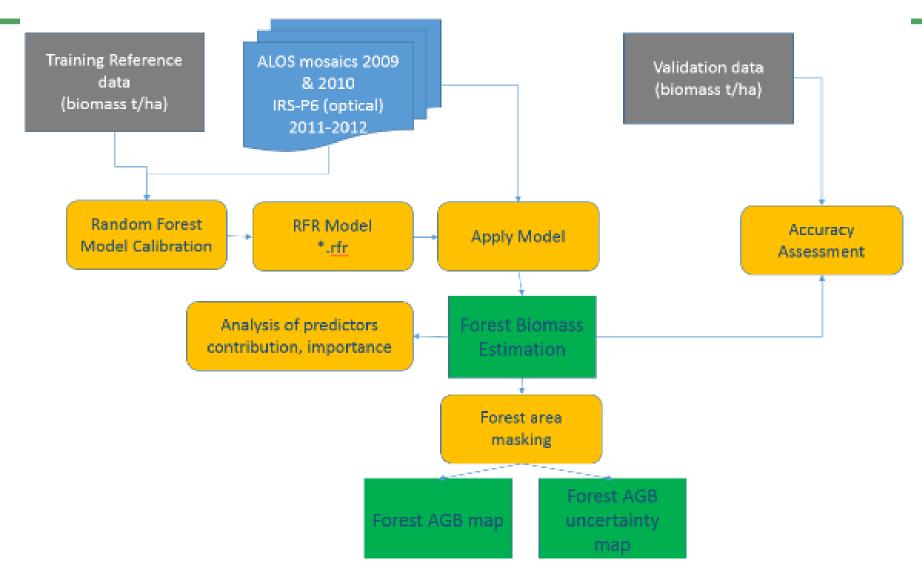




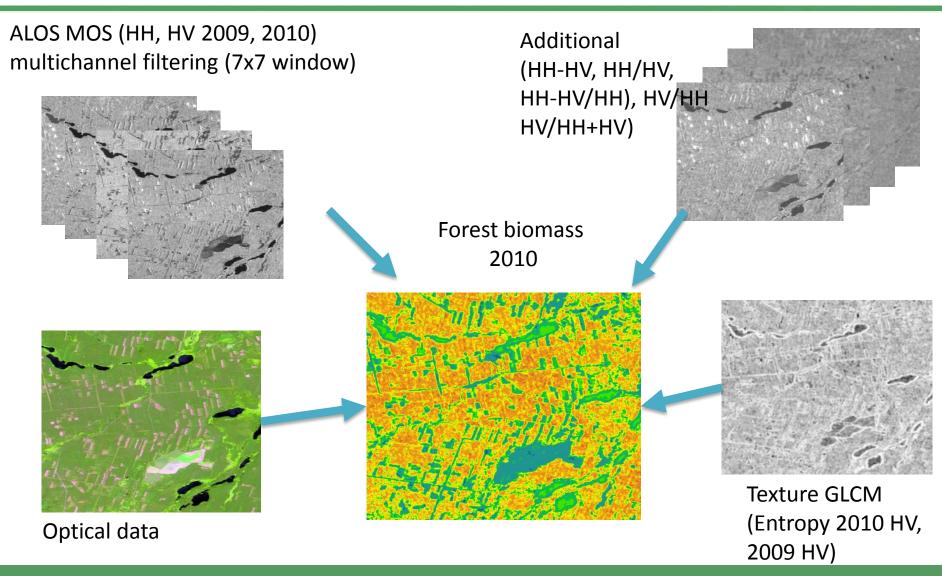
Enlarged size of the plots



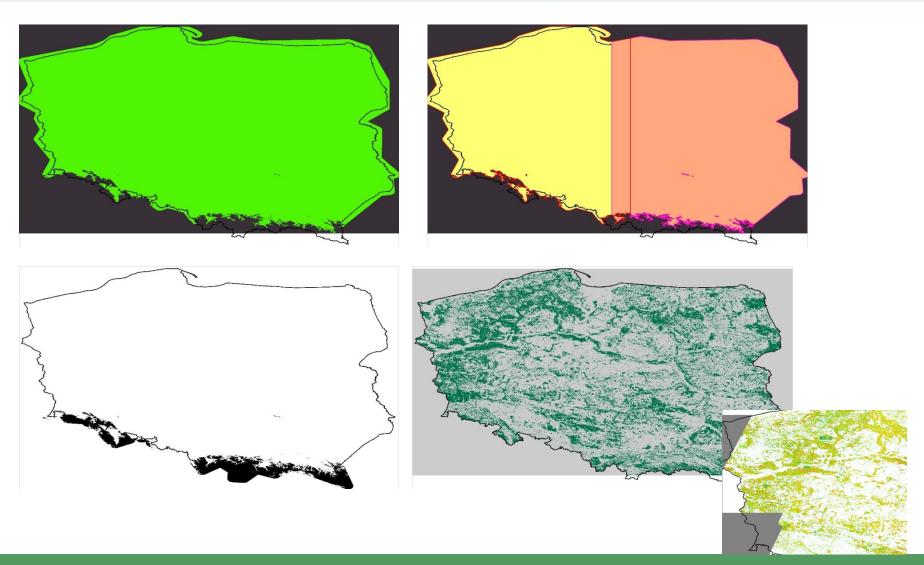


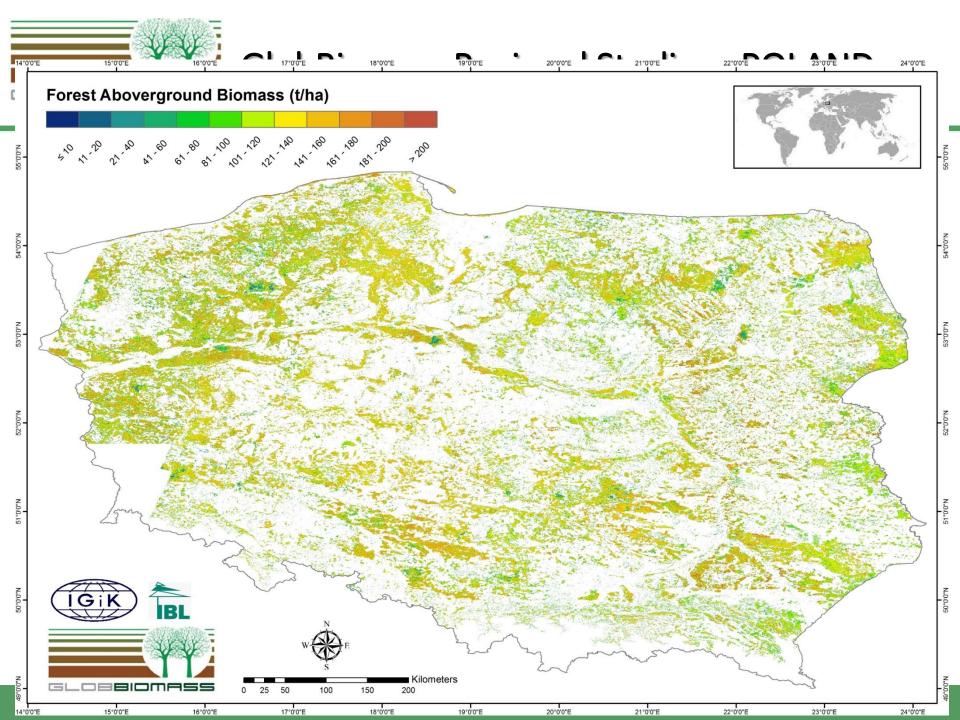


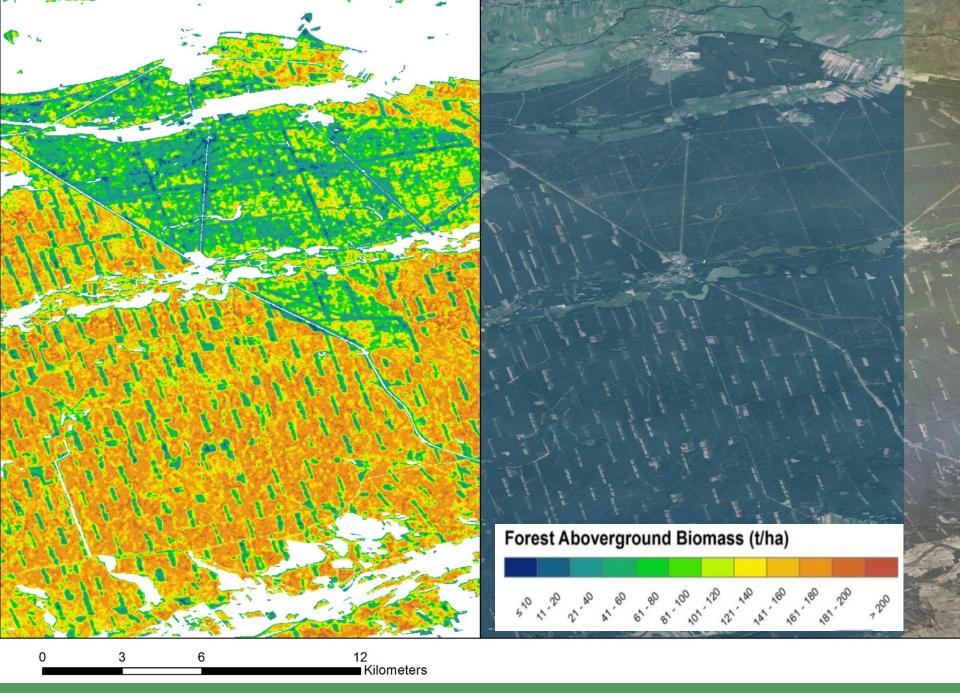














Accuracy assessment

ALS

National Forest Inventory



END USERS

State Forest National Forest Holding

National Center for Emission Management



Thank you for your attention!