POLAND: Institute of Geodesy and Cartography: Remote Sensing Center

http://www.igik.edu.pl

Research topics:

Calibration and Validation:

 ESA Sentinel-1 Soil Moisture Product @ Biebrza Wetlands SuperTest Site - the International Soil Moisture Network - (ISMN): heat flux and soil

moisture; Land Products Validation

support to Proba-V, Senti

 Joint Experiment of Crop (JECAM) part of Group or

Agriculture / Drought:

- Yield forecasting/estimati
- Drought detection, Aut crops, and Snow cover an
- Biomass and soil moisture assessment;
- Agriculture water pollution

Carbon balance and Bioenergy:

- Carbon balance and its variation and trends analysis;
- Biomass potential and possibilities of energetic plants cultivation

Forests:

GlobBiomass project: characterize and to reduce uncertainties of forest aboveground biomass

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extent and structure ssessment of mountainous

g events and air pollution

E LC inventories: CLC1990, C2012;

ent of the 5 high resolution

layers (HRLs)

Others:

- Change of cloudiness over the past 30 yrs: a global analysis;
- Effect of climatic changes on grassland growth, its water conditions and biomass;

International activities

• Ground deformations, Fires, and Floods monitoring

National activities















