



CENTRUM BADAŃ KOSMICZNYCH Polskiej Akademii Nauk

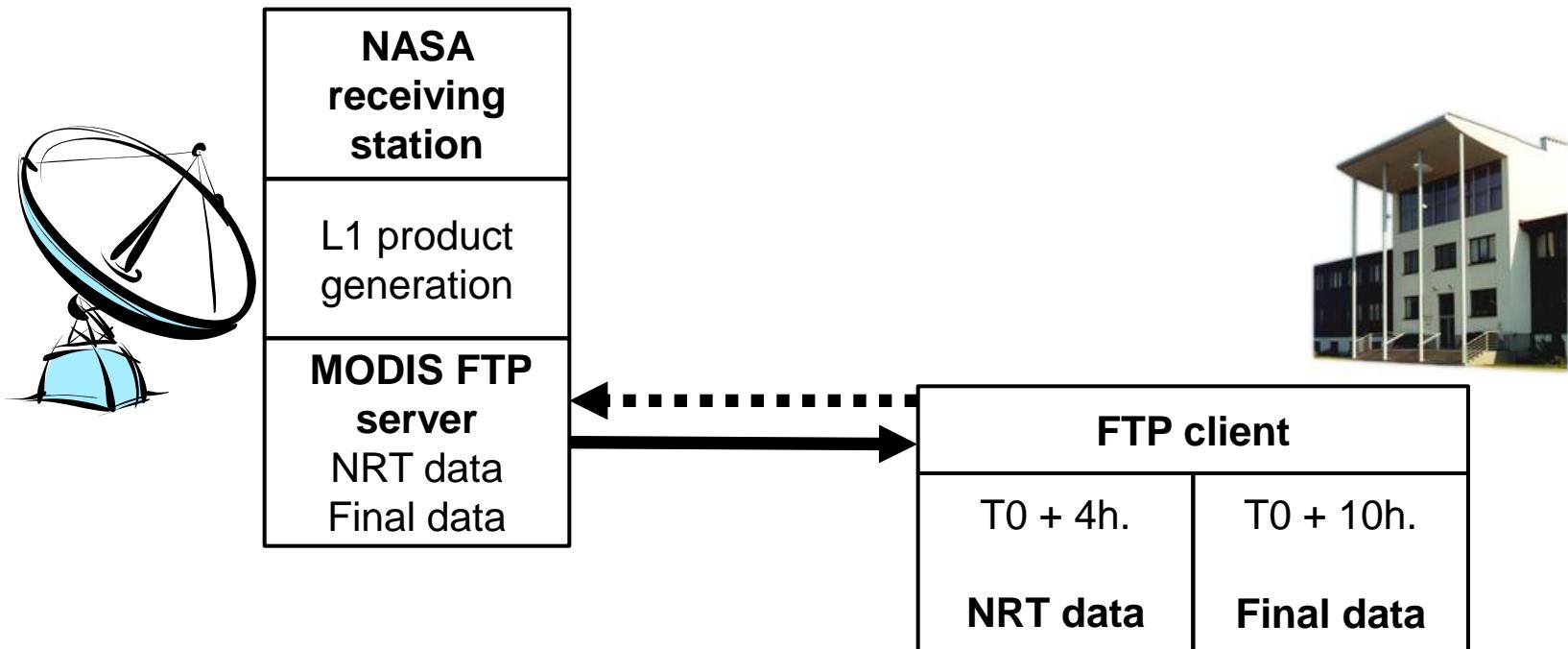
Automatic monitoring system of the
Earth's Surface based on MODIS data

Sebastian Aleksandrowicz
saleksandrowicz@cbk.waw.pl

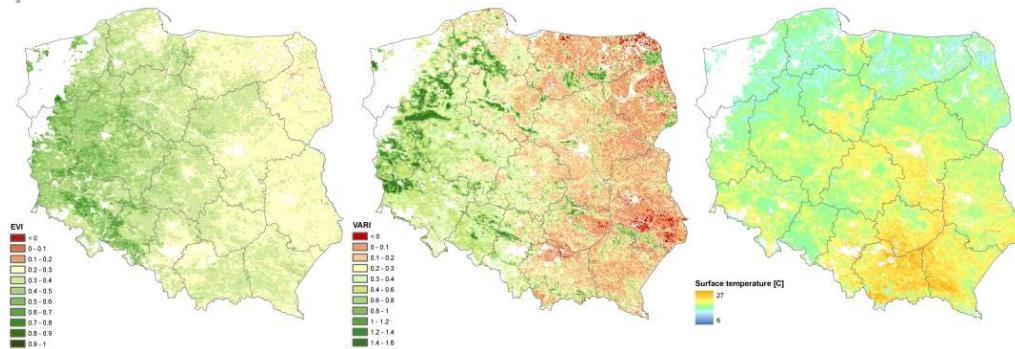
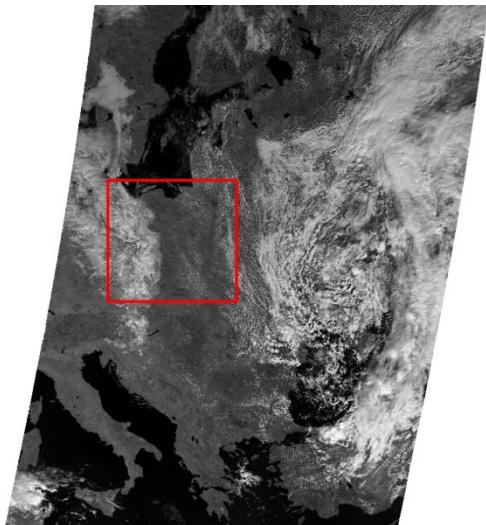


Daily land surface monitoring

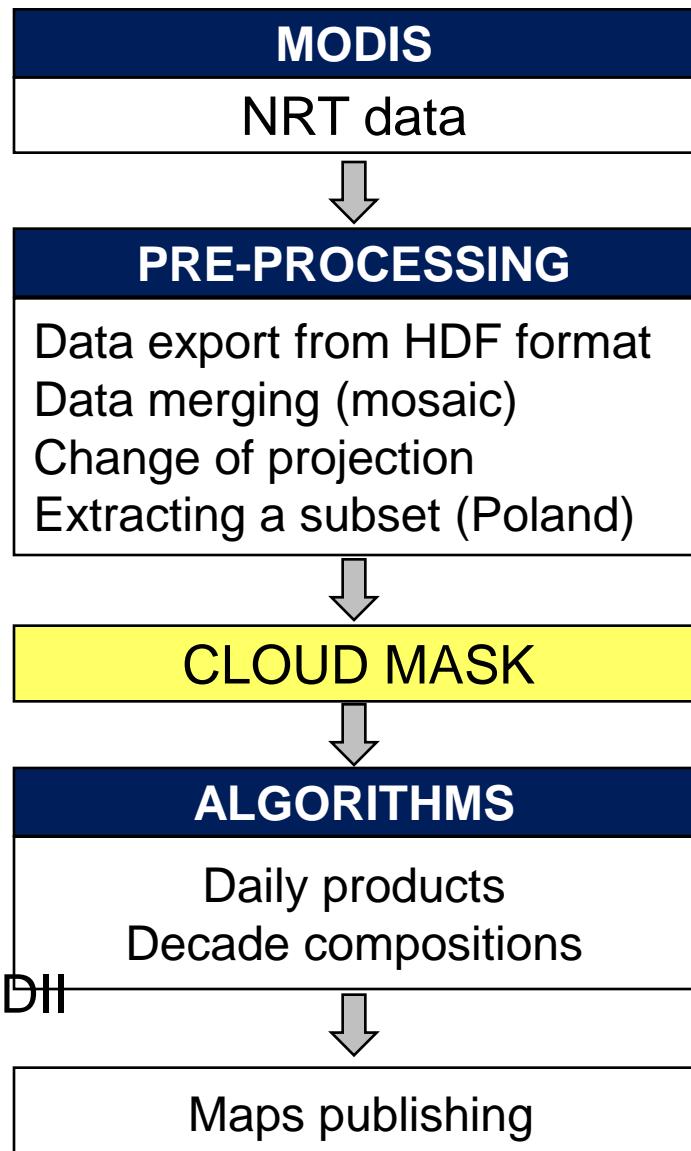
fully automatic WEB service for daily land surface monitoring



Daily land surface monitoring

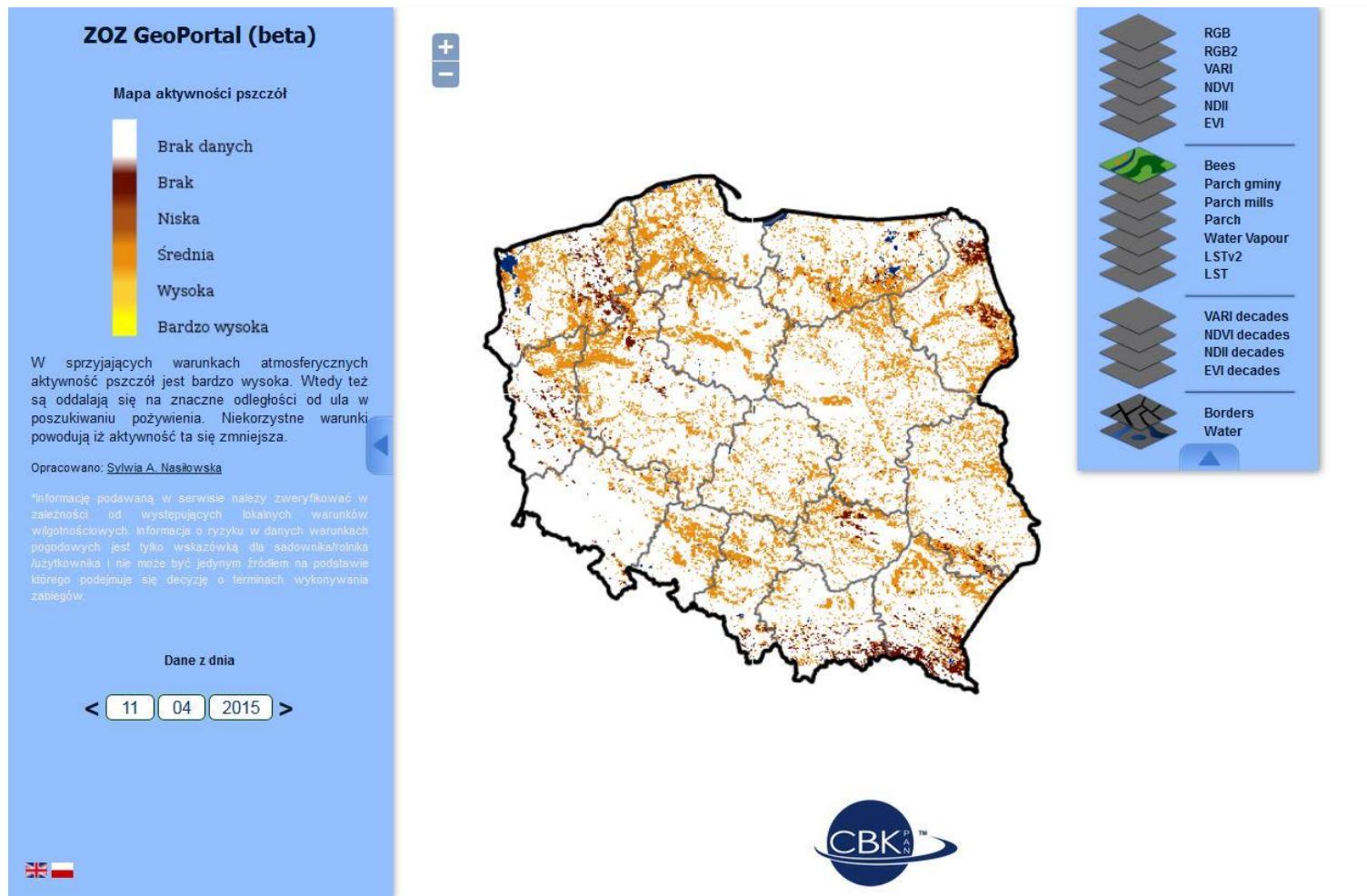


- Vegetation indices VARI, NDVI, EVI, NDII
- Land surface temperature
- Water vapour
- Fire Hazard

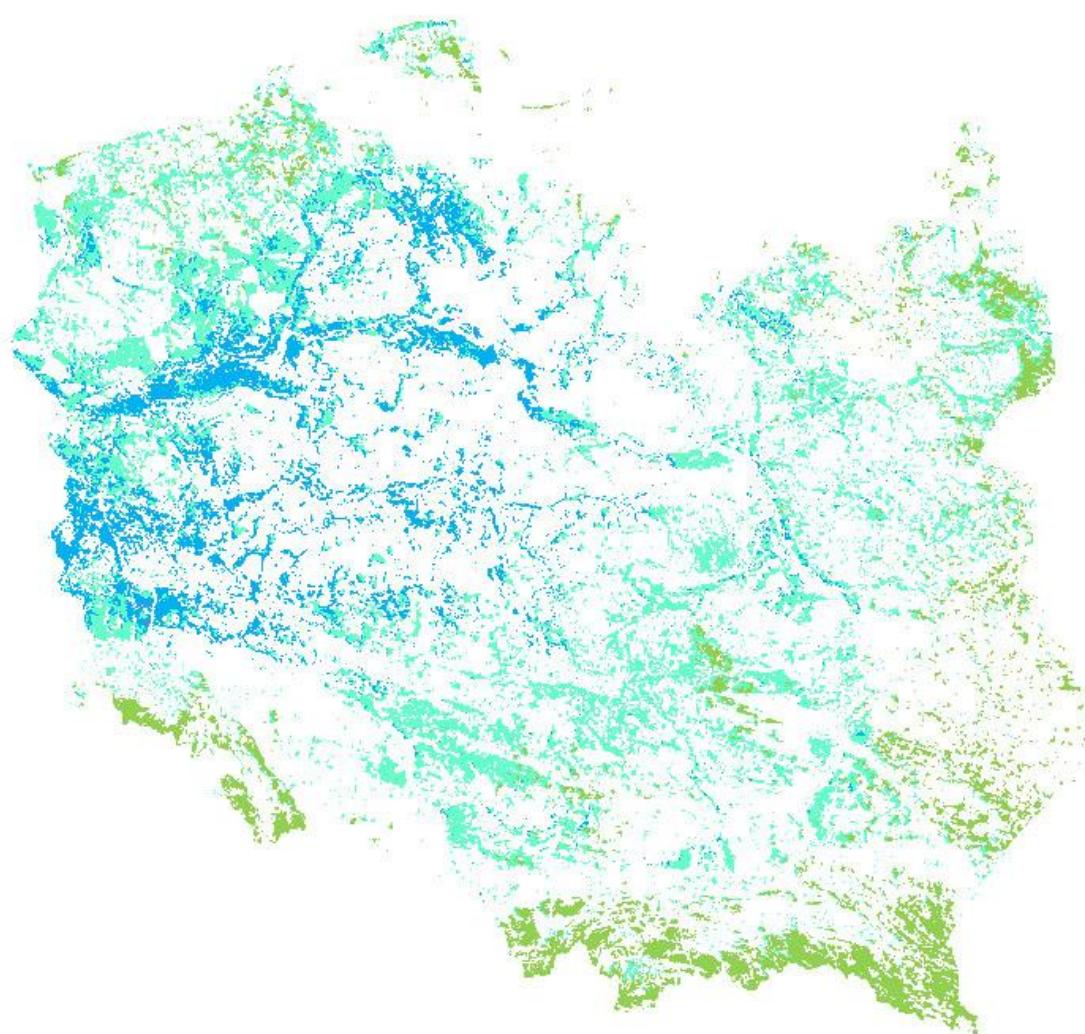


Layers at research phase

Bees Activity Map



Layers at research phase



Class	Stress	Duration time	Milk loss [kg/h; kg/cow/day]
5	Very high	-	Not measured
4	High	12	-0,322; 3,9
3	Medium	9	-0,303; 2,7
2	Low	4	-0,283; 1,1
1	No stress	-	> -0,283; < 1,1

Daily land surface monitoring

GEOPORTAL

- Data visualization
- Access to historical data
- Visualization of time series

