Centrum Informacji Kryzysowej

Potential for combining statistical data and Earth Observation for risk management

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Crisis Information Centre SRC

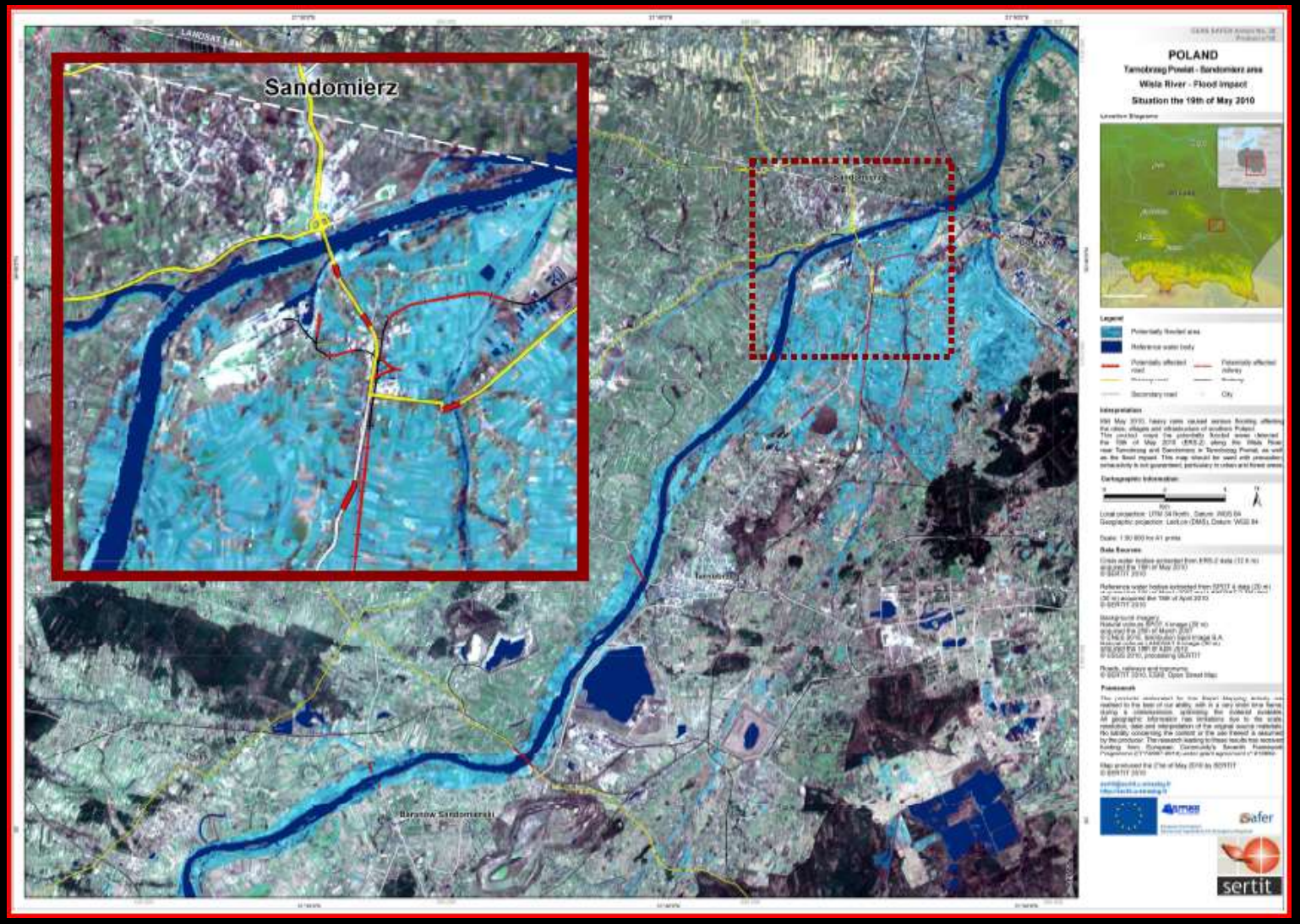
THE RIGHT **INFORMATION** FOR THE RIGHT **PEOPLE** AT THE RIGHT **TIME**

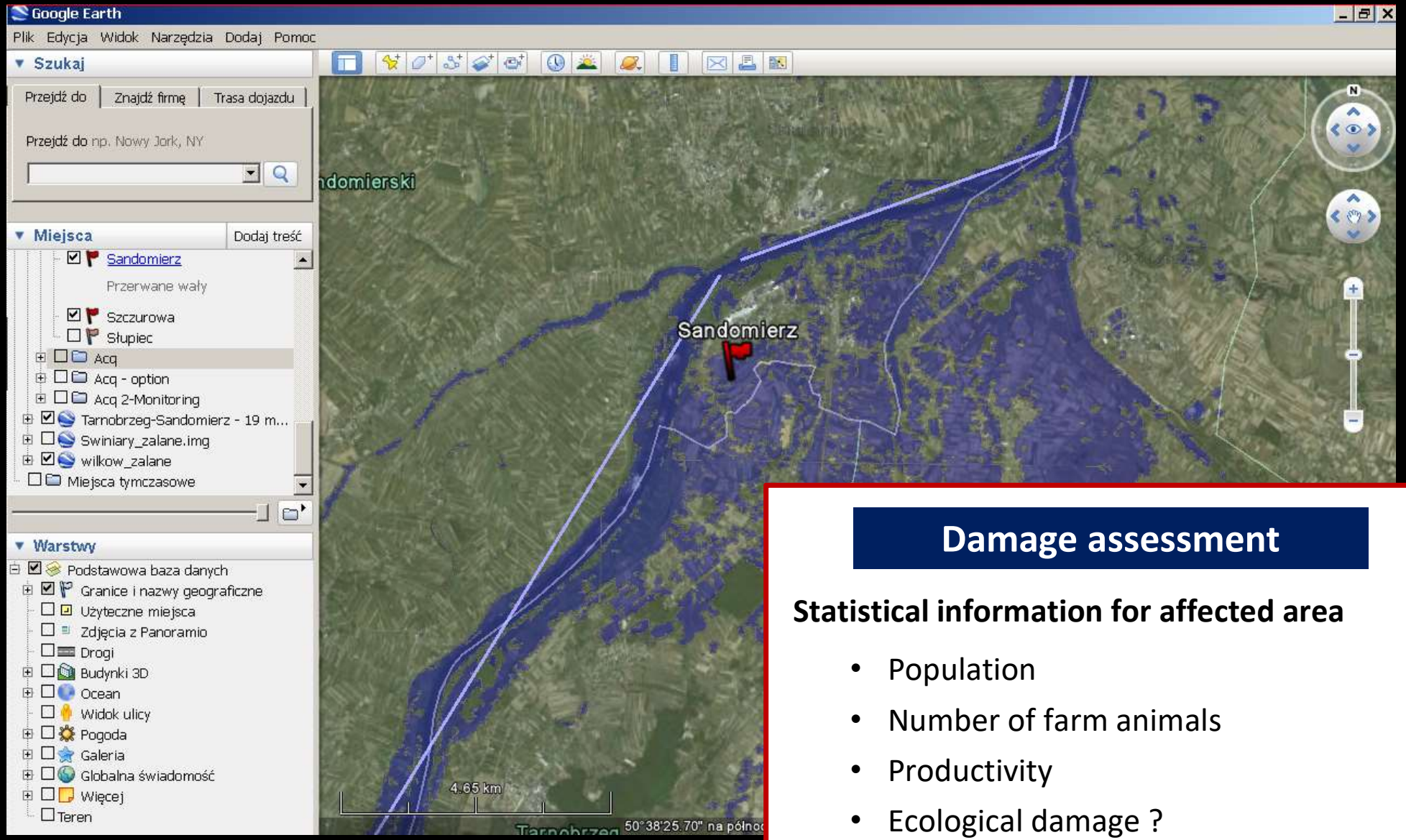
Integration of data from different sources

Expert support in operational use of geoinformation

Demonstration and assessment of pre-operational solutions

Development of best practices for use of innovative solutions


Sandomierz
POLAND
Tarnobrzeg Powiat - Sandomierz area
Wisła River - Flood Impact
Situation the 19th of May 2010
Location Diagram
Legend
Potentially flooded area
Reference water body
Potentially affected road
Potentially affected railway
Secondary road
City
Interpretation
Cartographic Information
Local projection: UTM 34 North, Datum: WGS 84
Geographic projection: Lat/Lon (DMS), Datum: WGS 84
Data Sources
Framework
sertit

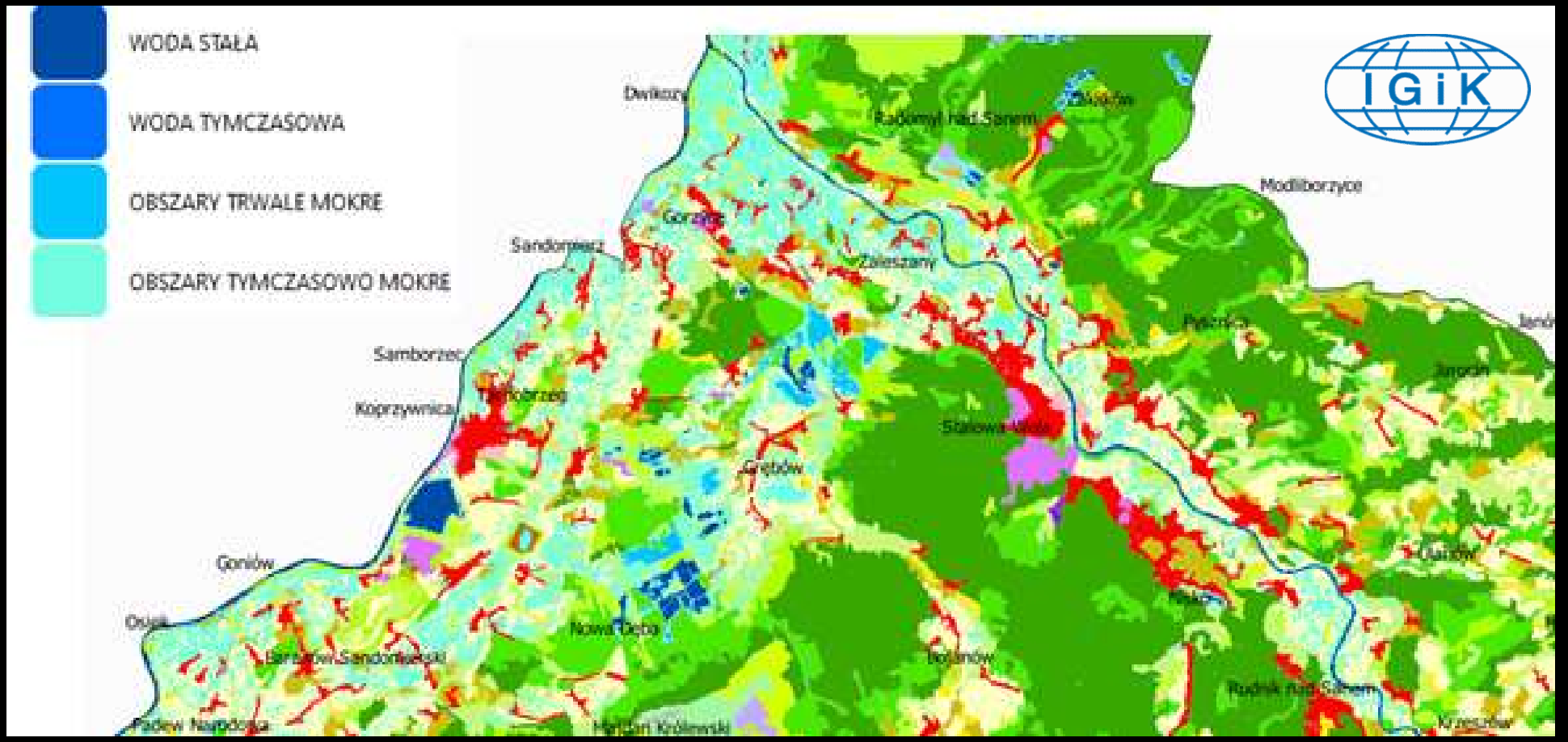


Damage assessment

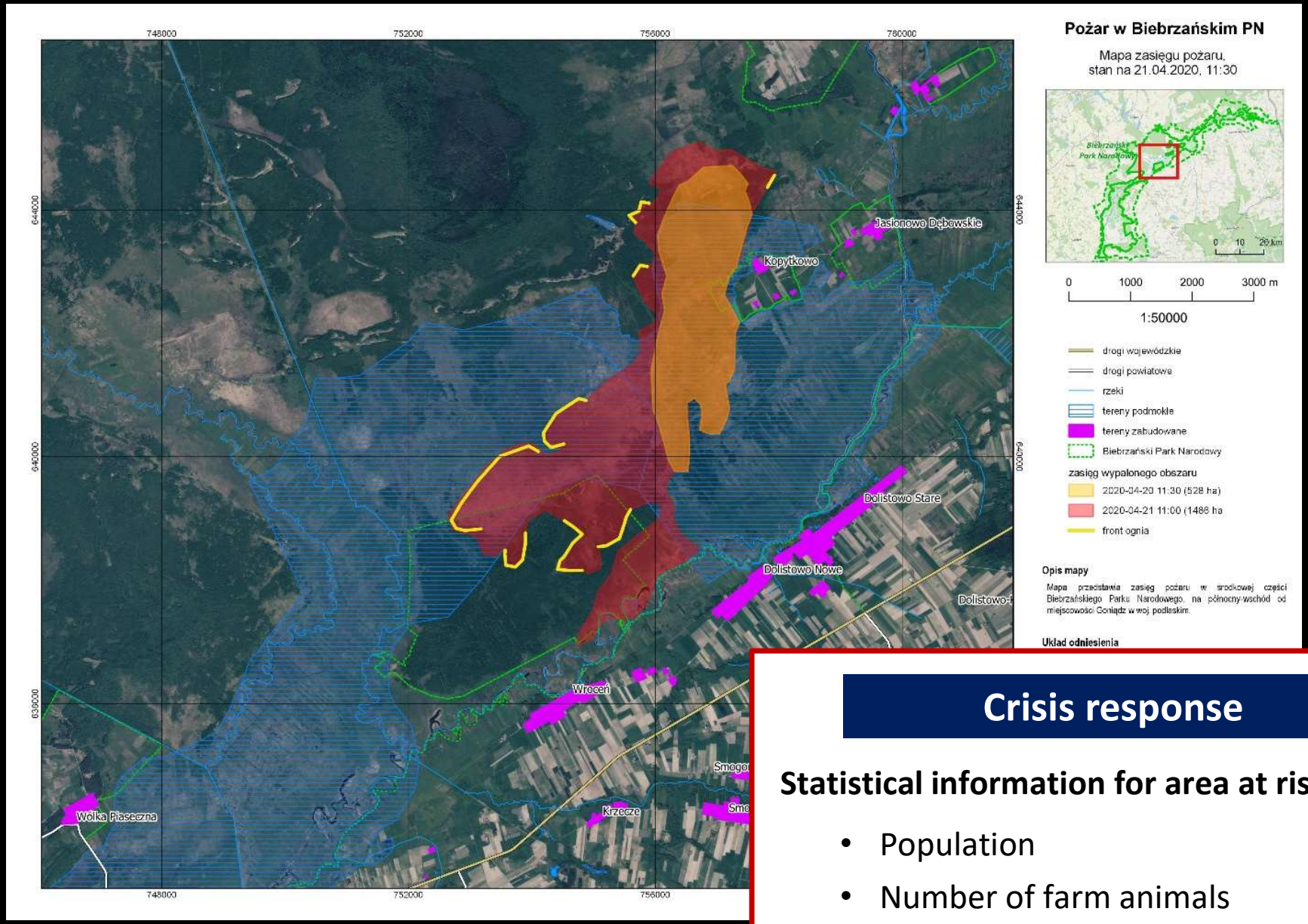
Statistical information for affected area

- Population
- Number of farm animals
- Productivity
- Ecological damage ?

Flood extent detection with VHR imagery



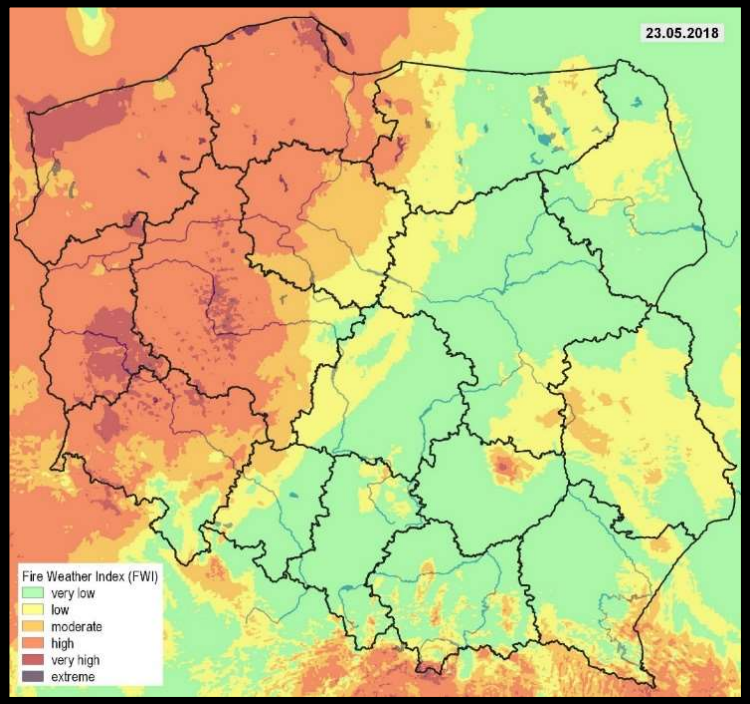
Detection of areas prone to local flooding from underground waters



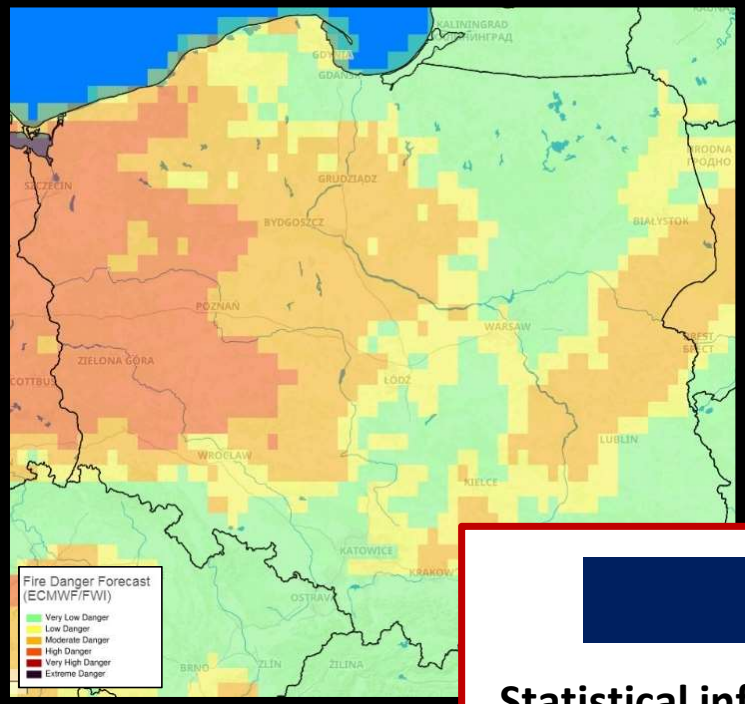
Crisis response

Statistical information for area at risk

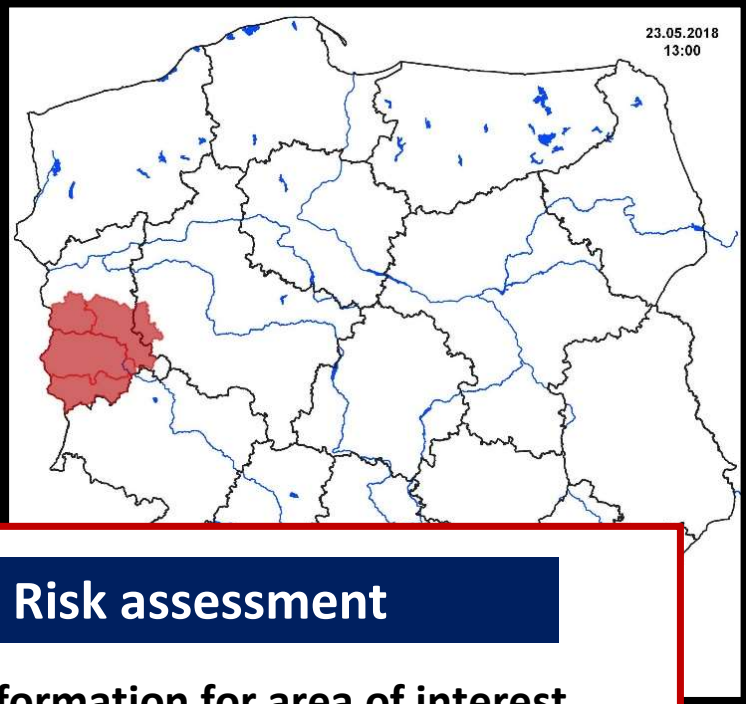
- Population
- Number of farm animals



FWI CBK



FWI EFF



Monitoring of fire w

Risk assessment

Statistical information for area of interest

- Population
- Number of farm animals
- Productivity
- Ecological damage ?

Two different modes of using statistical data

- **Use of maps with statistical data** for crisis response and rapid damage assessment

- **Geospatial analysis based on statistical data** for more detailed damage assessment and risk assessment / risk management

You can see more from above . . .