



IMGW PIB

Institute of Meteorology and Water Management
Polish National Research Institute



SMS Presence Alert System
and
IMGW Monitor SH

October 2th 2011

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Identified External and Internal problems

- External problem
 - people have do not understand part of our products
 - people do not react proper on warnings because they do not understand part of them
- Internal problem
 - forecasters have many sophisticated tools
 - quality of generated products depends from personal forecaster experience and tools

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Actions

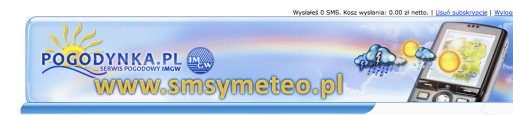
- we create new methodology of products creating and part of this is:

- **SMS Presence Alert System**

- products are convertible to various media: internet, mobile phone users, social media

- we create one tool for forecasters:

- **IMGW Monitor SH**



Parametry produktów

Wybierz minimalny (raportowany) stopień zagrożenia:

☐ 1 stopień ☐ 2 stopień ☐ 3 stopień

Wybierz obszary ostrzeżeń meteorologicznych:

Czy kraj

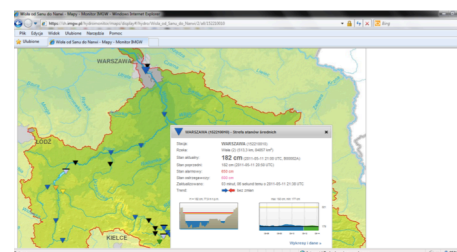
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| <input type="checkbox"/> Województwo świętokrzyskie | <input type="checkbox"/> Wrocław |
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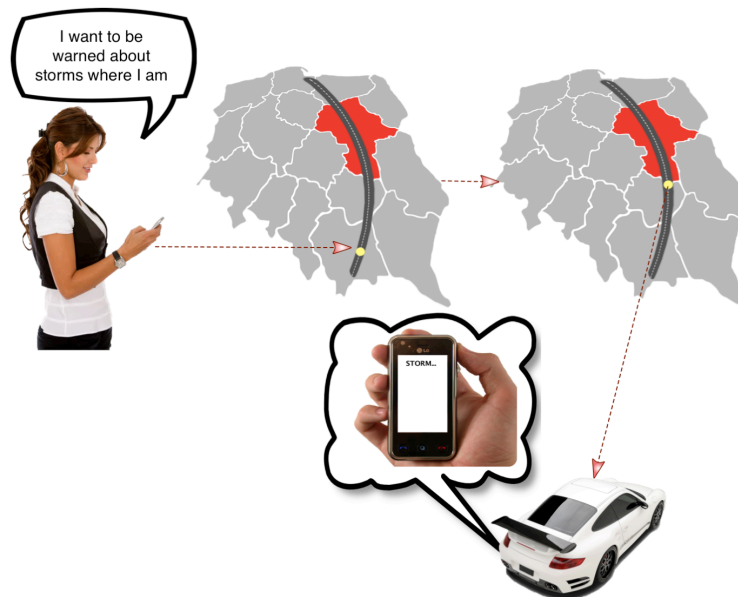
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SMS Presence Alert System

- ❑ unique Text message System with user location and tracking feature for informing about warnings and weather
- ❑ mandatory/statutory and commercial users
- ❑ accuracy prediction - 2h before hit - impact mitigation
- ❑ Delivered to selected area
- ❑ Everyone in this area will receive warning message
- ❑ Suitable for polygon alerting

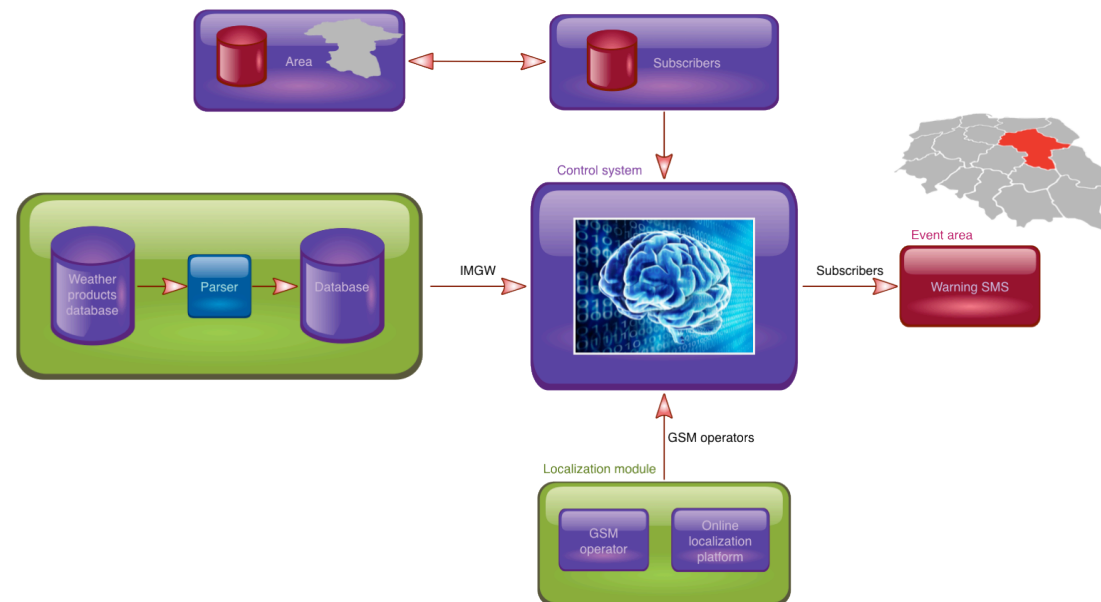
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SMS Presence Alert System - how to



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SMS Presence Alert System - logic



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SMS Presence Alert System project status

- ❑ WARNINGS MODULE - warnings and meteorological products converted to mobile phones format - READY
- ❑ AREA SUBSCRIPTION MODULE - connection between IMEI no and subscribed phenomenon - READY
- ❑ CONTROL SYSTEM MODULE - management of collaboration between products, areas and GSM subscribers - READY
- ❑ LOCALIZATION AND TRACKING MODULE - tracking subscribed SIMs - NOT READY

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IMGW SH monitor

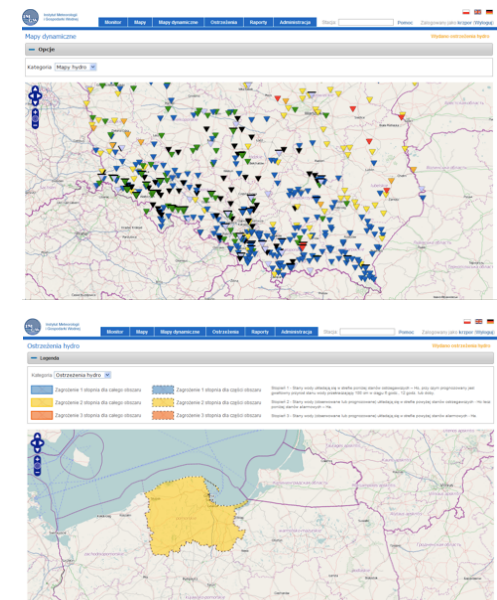
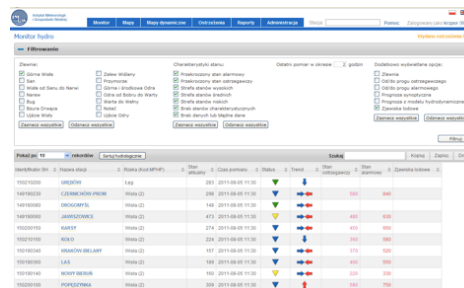
- web based tool as a aggregation platform
- one tool includes all necessary information
- include forecasts and prediction which should not be presented to people w/o meteorological knowledge
- helps in prevention and impact mitigation
- dedicated for forecasters/local authorities/crisis center/regional crisis centers/regional water management

- secured access - limited codes

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IMGW SH monitor

- synthetic information about hydro and meteo situation
- hydro and meteo forecasts
- rivers level
- actual precipitation
- static and dynamic maps
- historical data
- reports



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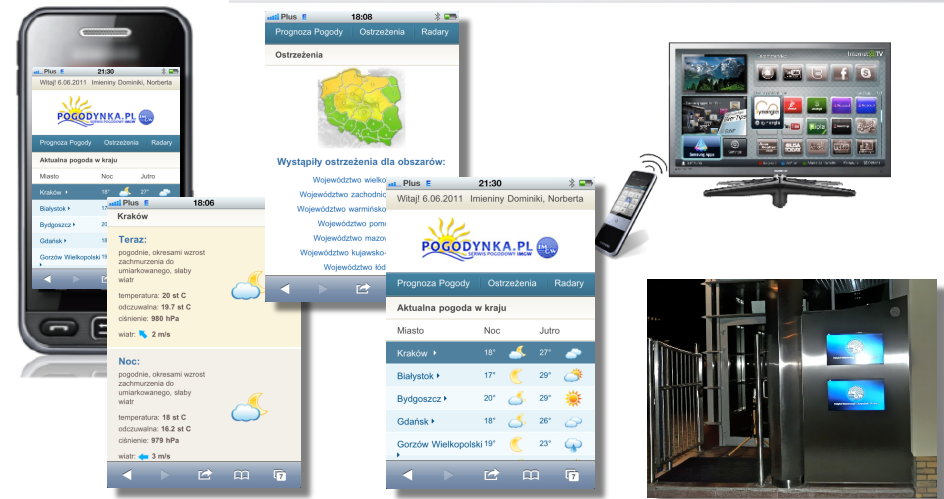
Resume

- IMGW believe to multiplatform products
- IMGW tools based on web technology
- IMGW divides products on statutory and regular users
- statutory informations are secured
- both products are in mobile subversions: SMS or mobile sites
- aggregated tools help in increase human work
- both product are unique: presence system because of connection with localization platform, monitor because grouping information in one place

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Other IMGW New Media projects

- ❑ Pogodynka TV
- ❑ SMS/MMS/CBC products
- ❑ mobile web sites with specialized products
- ❑ weather application for Samsung Smart TV platform
- ❑ Multimedia/Meteorology Kiosks
- ❑ iPhone and Android based phones applications





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Thank You for Attention