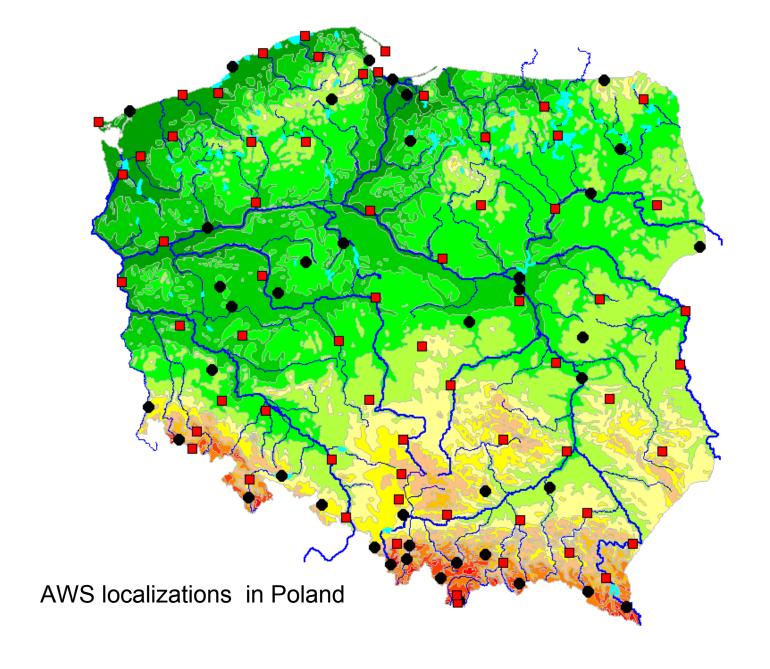


Automatic Weather Stations in synoptical and climatological network of the Institute of Meteorology and Water Management

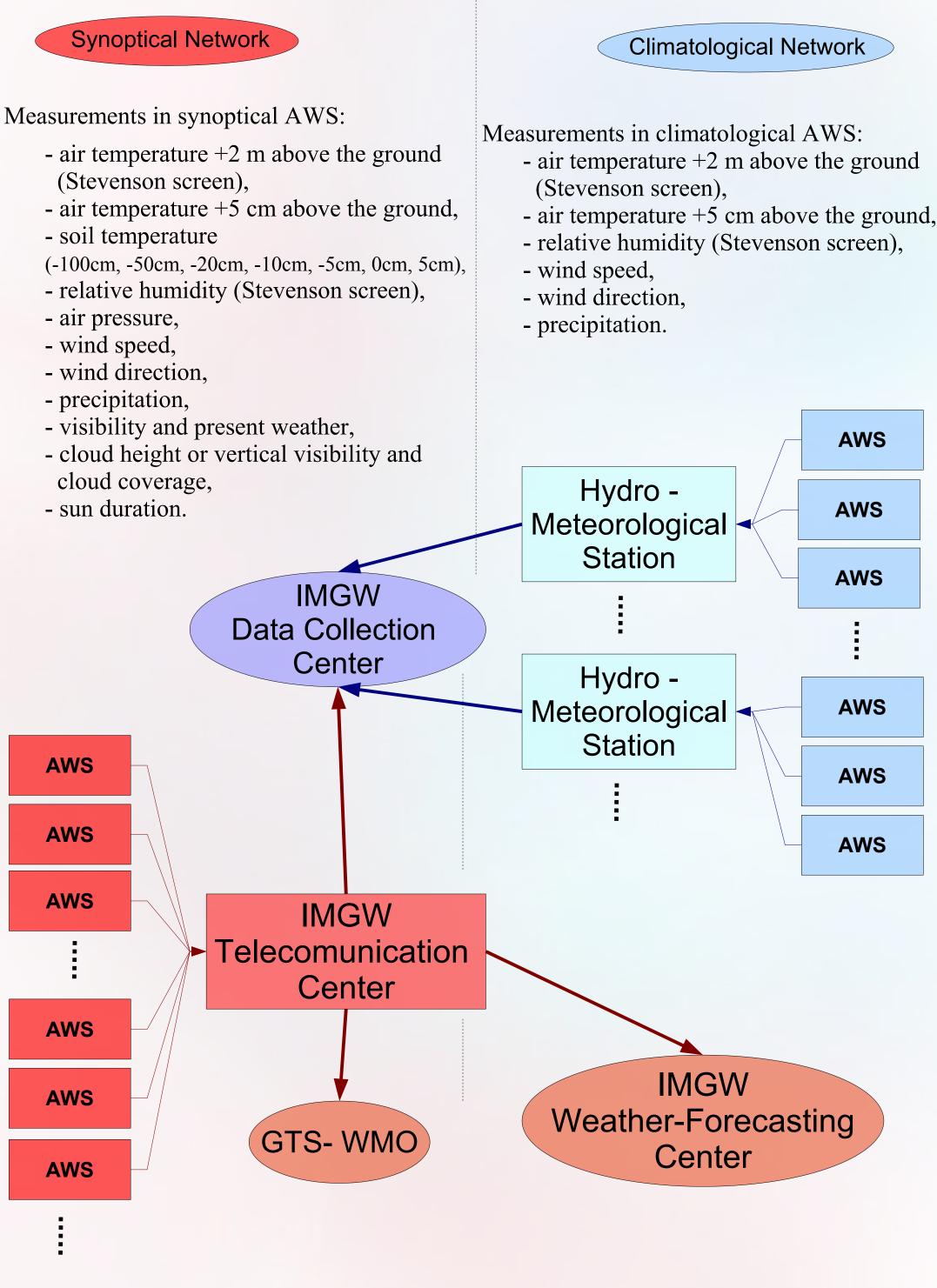
Author: Piotr Pietrzykowski

During last a few years the meteorological instruments network of Institute of Meteorology and Water Management in Poland (IMGW) was modernized to become a modern system. Nowadays, it is equipped with more then 120 automatic weather stations (AWS) base on Maws 301 and Milos 500 by Vaisala.

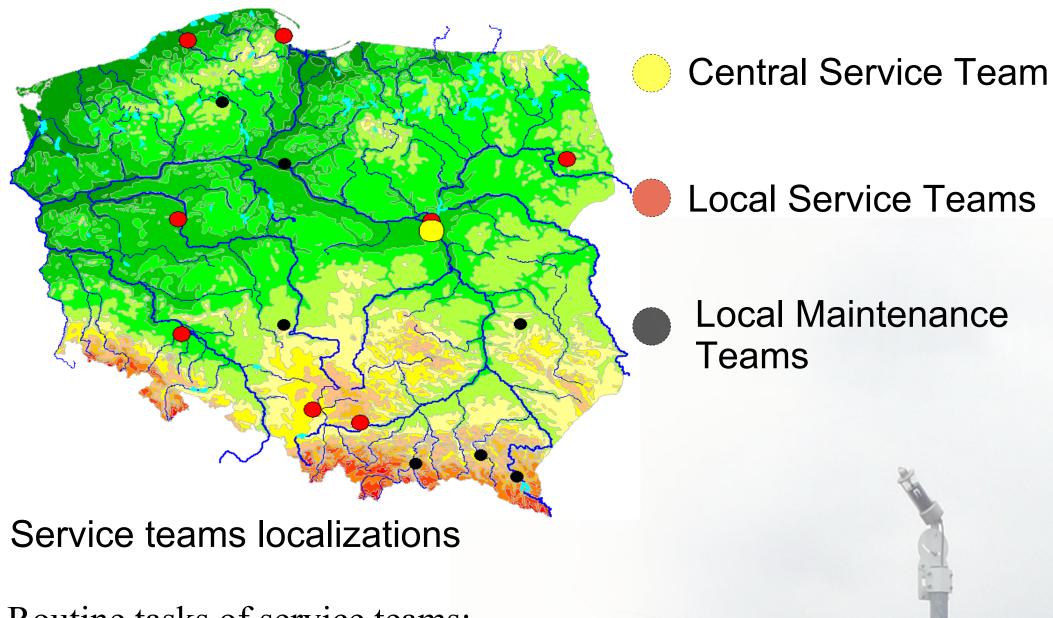
Polish meteorological network contains two types of automatic weather stations (AWS): synoptical and climatological.



- Synoptical stations
- Climatological stations

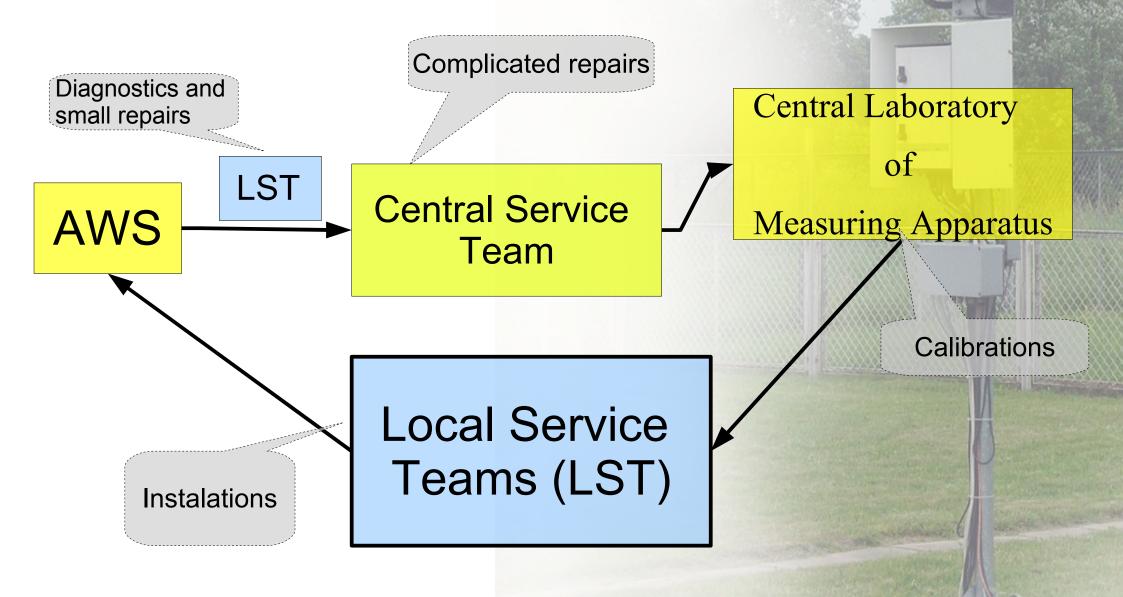


data collecting and transmission



Routine tasks of service teams:

- instruments cleanness control,
- correctness of operation of AWS components checking,
- system ingredients maintenance,
- software testing,
- periodic instruments replacement (calibration validity).



Typical instrument circulation on IMGW AWS network



- temperature: every year,
- humidity: twice a year,
- pressure: every two years,
- wind: every two years,
- precipitation: every year,
- visibility: if necessary (every year testing)
- cloud height: if necessary (every year testing)



Network Menagment Software

The programme is designed for network metadata managing.

It collects all data about IMGW stations and enables digital documents flow.

