

Medical meteorology framework, working period 2009 – 2011

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Abstract

On the end of 2008 we started with planning some solution about the search connections between different health-related symptoms, and weather elements or weather phenomena.

Lots of existing projects are related to long climatological periods and long lists of accessible medical archived data. Our intention was to automate data archiving procedures and create web-oriented framework in all steps.

Main framework features and achievements in this moment are:

- Small time step resolution of 1 hour for any documented event*
- As much symptoms as we can include (28 in this moment)*
- 56 persons in web environment on free cloud based shared document with 1188 archived symptoms*
- 44 active persons in a local intranet-oriented web portal with 54 archived symptoms*
- 14 forecasted weather elements or phenomena are included (e.g. air temperature, air pressure, cloudiness, relative humidity, vorticity and so on)*
- 6 different characteristics of the element stage are being watched: absolute value, difference between two terms by value and by the sign, daily trend, daily min, daily max)*

Today we have one active and large web-oriented automated framework capable of collecting data, building text information with it's own dissemination part.