



## **Abstraction the public from scientific - applied meteorological-climatologic data**

L. Trajanoska

grad.eng.meteorologist advisor for applied meteorology HMS-Skopje, R. Makedonia

Mathematical and meteorological statistic processing of meteorological-climatologic data, which includes assessment of the exactness, level of confidence of the average and extreme values, frequencies (probabilities) of the occurrence of each meteorological phenomenon and element e.t.c. helps to describe the impacts climate may have on different social and economic activities (transportation, heat& power generation), as well as on human health.

Having in mind the new technology and the commercial world, during the work with meteorological-climatologic data we have meet many different challenges. Priority in all of this is the quality of the meteorological-climatologic set of data.

First, we need compatible modern, sophisticated measurement and informatics solution for data.

Results of this measurement through applied processing and analyze is the second branch which is very important also.

Should we all (country) need that?

Today we have many unpleasant events connected with meteorology, many questions which are not answered and all of this has too long lasting. We must give the answers and solve the real and basic issue.

In this paper the data issue will be presented.

We have too much of data but so little of real and quality applied of them, Why?

There is a data for:

- public applied
- for jurisdiction needs
- for getting fast decision-solutions (meteorological-dangerous phenomenon's)
- for getting decisions for long-lasting plans
- for explore in different sphere of human living

So, it is very important for what kind of data we are talking. Does the data we are talking are with public or scientific-applied character? So,we have two groups.

The first group which work with the data direct from the measurement place and instrument. They are store a quality data base and are on extra help to the journalists, medical workers, human civil engineers, electromechanical engineers, agro meteorological and forestry engineer e.g.

The second group do work with all scientific methods for the needed purposes. Hours, days, years and periods with characteristic meanings are separated for the purposes of the comprehensive analyze and application.