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Climatology software: Data presentation methods

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There are a lot of Software tools for automation of climate and whether research activities. All of them are working on and generating a large data volume. It is hard to work on this data arrays from remote size. There is a need to make comparison between different software tools and format of data used from and generated by them to find way to make standardization of generated data and optimization of data load over used communication media using standard computer equipment. So the present presentation is focused on methods and algorithms used for optimization of data collected and transferred via web or other communication media, during climate research monitoring. The differences and advantages and disadvantages of different data access tools / GrADS Data Server, OPeNDAP , FTP, OGC and some others/ will be presented and illustrated. The algorithms and methods for standard and application oriented file conversion methods are illustrated. The methods for media and image distribution and optimization are under special attention and are illustrated and demonstrated in poster. The transparency of data between mentioned system and results from this investigation is illustrated. Results of tests for data availability between different platforms are presented. General assessments status between platforms is presented. The results of presentation can be used as good point to choice method for data management, methods for data communication and optimization of data transfer.