

Procurement Process for new Sensors at DWD

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Abstract:

At Germany's National Meteorological Service (Deutscher Wetterdienst, DWD) the procurement of new sensors is a continuous process following a long-term schedule. This process is driven by the strategic decision to automatize the measurement network along with the required renewal of instruments at the end of their lifespan or due to obsolete measuring methods. Prior to the tendering procedure for a new sensor, a market survey is conducted and promising technologies are tested. Taking the results of this research into account, all requirements of the different user groups within DWD (e.g. concerning forecasting, climatology, data quality control, installation, operation, maintenance) are collected and the tender specifications are defined. In the course of the tendering process each participating vendor has to supply a small number of instruments which are tested in the laboratory and on dedicated test sites. After a trial period of a few months the successful offer is determined by evaluation of the collected test data with respect to the specified requirements. The poster presentation illustrates the process for the procurement of new sensors from the technical point of view, with an emphasis on the test procedures during the market survey and the evaluation of the tenders.