

The IERS Data and Information System

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The IERS Central Bureau maintains the IERS Data and Information System based on modern technologies for internet-based exchange of data and information. The system provides general information on the structure and the components of the IERS and gives access to all products. The Data Management Component allows to collect and archive all products and respective data from the Product Centres and Technique Centres, e.g. all data of the IERS Combination Pilot Project. To facilitate the exchange and combination of data the eXtensible Markup Language (XML) is applied as central data format for all products. Additionally, meta data are extracted from the archived products and stored in a database in order to be able to search the data with respect to specific concerns, e.g. content, time, accuracy. The extracted meta data can be introduced into so called Meta Information Systems providing meta data of products coming from a variety of geo-sciences.