

## P06: DEVELOPMENT OF A DATA MANAGEMENT PLAN FOR METRFOOD-RI

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METROFOOD-RI is a research infrastructure for promoting metrology in food and nutrition and is composed of a physical part where data is generated, and an electronic part where data can be accessed and used. This data includes information on available reference materials, existing reference and official methods, threshold values, proficiency testing as well as analytical data related to food composition, quality, safety, traceability and authenticity. In this work, the development of a data management plan (DMP) is presented to guarantee compliance and sustainability and to make data findable, accessible, interoperable and re-usable (FAIR). The DMP describes the above-mentioned data entities in detail including source information, their format and define to whom it might be useful. It also defines that data can be stored on data owners' side or in a central database. With respect to national and European data providers and their constraints, the DMP guarantees intellectual property rights to data owners. Depending on the access policy of the data owner, certain data can be re-used, only be viewed or not be used at all by a certain user groups. Furthermore, the DMP contains a standard definition for the data format in which data should be exchanged and well-defined application programming interfaces (APIs) used for machine-to-machine communication. The data model behind the format and the APIs provide a harmonisation and standardisation of the data and allows data usage across Europe and beyond. The DMP also provides a data quality scheme to classify and assess data entering the METROFOOD-RI.

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