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## **World Meteorological Organisation standards for metadata and data**

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The World Meteorological Organisation has been developing and deploying data and service standards for over 50 years. These are used to exchange fully-harmonised real-time data between WMO Member States amounting to millions of new datasets every day.

These standards are international and universal between WMO members, but they are intended for high capacity data exchange and not for delivery to the non-expert user. WMO and ISO, both standards organizations, are discussing cross-adopting each others standards where relevant. WMO for its part is developing ISO 19100 based models of its data and metadata in order to be able to integrate products intended for the general user into the world of GML and Geographic data.

The task is not as such to develop new data models, but to recast the existing, very extensive data models into ISO 19100 form, and by using those models to be able to create transformations between existing data formats into new ones.

The presentation explains the progress so far with metadata and data standards, and discusses the different problems which need to be addressed for the different user communities.