

# Using ISO standards to design a metadata registry for climate data

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## Abstract

The climate modelling community collaborate globally to generate a coordinated portfolio of climate simulations which serve to advance scientific understanding and to support the Assessment process of IPCC. The interoperability of data products among the participating institutions is guaranteed by a detailed specification of the parameters to be archived and the associated metadata requirements. This paper looks at the potential for increasing interoperability towards users outside this core community by expressing metadata requirements through the language of ISO standards on metadata registries.

*Keywords:* Data registry, Climate data management

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## 1. Introduction

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*1.1. Exploiting the International Standards Organisation [ISO]*

## 2. Overview of the metadata structures

5 Here are two sample references: [1].

## 3. References

[1] Quantities and units - part 1: General (iso 80000-1:2009 + cor 1:2011), Tech. rep., ISO (2011).

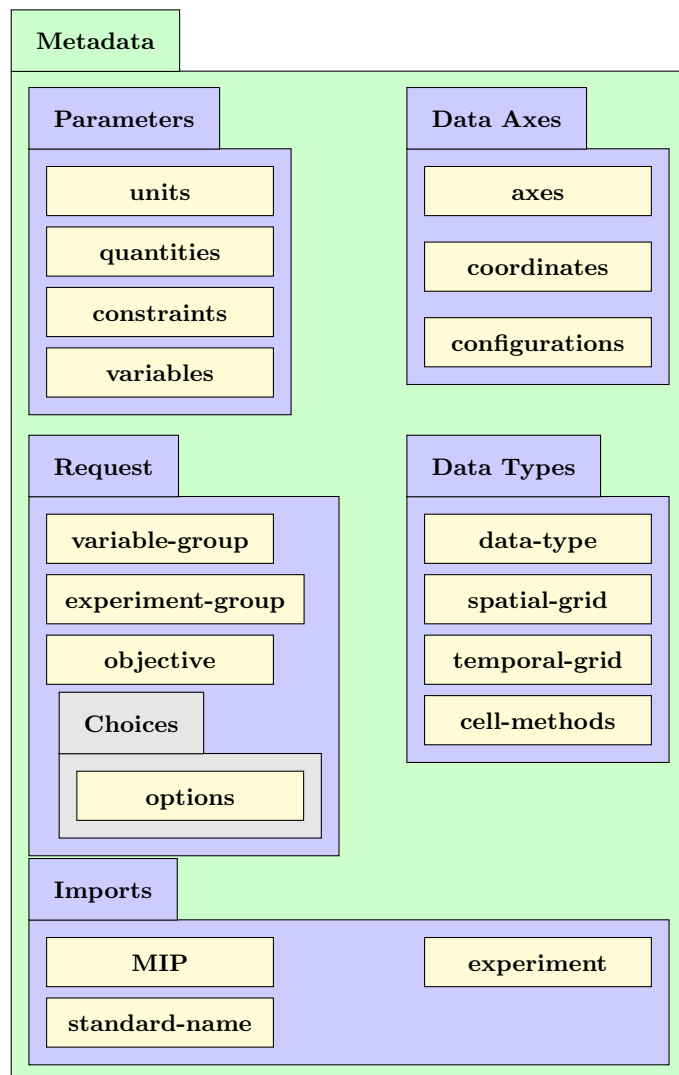


Figure 1: The metadata package is split into 5 sub-packages characterised by different harmonization and conformance requirements and mechanisms.