

METAFOR EC Dissemination Material Month 9

METAFOR Deliverable 7.3 M9

PROJECT	
Project acronym	METAFOR
Project full title	Common Metadata for Climate Modelling Digital Repositories
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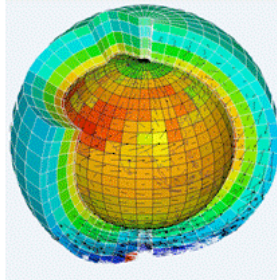
Dissemination Level		
PU	Public	X
PP	Restricted to other programmes participants	
RE	Restricted to a group specified by the Consortium	
CO	Confidential	

Abstract

METAFOR has produced an introductory Powerpoint presentation for EC dissemination, describing the project's objectives.



Common Metadata for Climate Modelling Digital Repositories



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Facts and Figures

11 partners

Total budget of 2.2M€

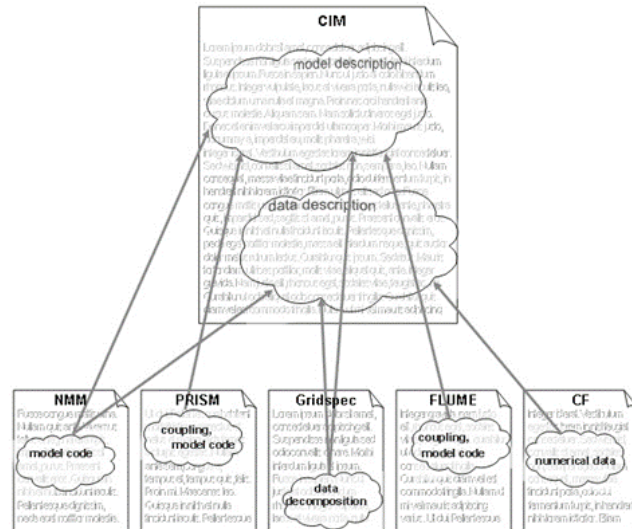
Started March 2008, duration 3 years

- NCAS, University of Reading, UK (Coordinator)
- BADC, Science and Technology Facilities Council, UK
- CERFACS, France
- Models and Data, Max Planck Institute for Meteorology, Germany
- Institute Pierre-Simon Laplace, CNRS, France
- University of Manchester, UK
- Met Office, UK
- Administratia Nationala de Meteorologie, Romania
- Météo France, CNRM, France
- CLIMPACT, France
- CICS, Princeton University, USA



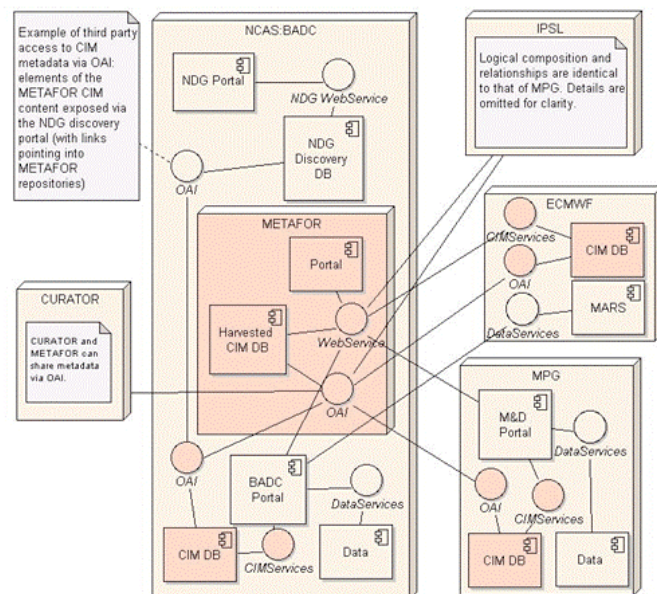
1. Creating a "standard" metadata Common Information Model (CIM) to describe climate data and the models that produced those data

- will allow essential data and model distinctions to be understood and between users of different repositories
- will build on existing metadata "standards" used internationally in climate (CF, CDML, CSML, US Curator NMM, UK MetOffice FLUME, etc.)
- will use existing format and framework (XML, RDF, etc.)



2. Develop, deploy, and evaluate a prototype infrastructure that will allow key data and models to be discovered and compared between distributed digital repositories

- single sign-on services to populate and manipulate, the CIM metadata
- services exploit NDG CSML to provide a common Geographic Markup Language interface to climate data
- centralized CIM content harvested from individual repositories using OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting).



Key METAFOR service components



METAFOR

Common Metadata for Climate Modelling Digital Repositories

In conclusion, the open standard developed in METAFOR will play a catalytic role in the way next generation climate data repositories, such as IPCC AR5*, are organised, preserved and accessed.

*Intergovernmental Panel on Climate Change,
5th assessment report (~2012-13)