



Metadata for models, an essential element in Earth System Modelling

L. Steenman-Clark (1), K. A. Bouton (1), R. S. Hatcher (1)

(1) Centre for Global Atmospheric Modelling, Department of Meteorology, University of Reading, Whiteknights, Reading RG6 6BB, UK

Earth System Modelling can be complex and components of the system may be outside the area of expertise of the user. Flexible, external couplers used by the system require detailed information, metadata, for components to be coupled. Standard metadata can be the method by which this complexity can be overcome. One of the aims of standardising numerical model metadata is to serve the requirements of current external couplers like the PRISM (Program for Integrated Earth System Models) coupler OASIS. Experience of using the current draft numerical model metadata (NMM) standard to create earth system modelling frameworks using the PRISM OASIS4 coupler will be shown and issues of the metadata requirement will be discussed.