

# Glossary

ANT	Another Neat Tool
API	Application Programming Interface
AR5	IPCC Assessment Report 5
BFG	Bespoke Framework Generator
CCSM	Community Climate System Model
CDO	Climate Data Operator
CDP	Command and Display Program
CIAS	Community Integrated Assessment System
CLI	Command Language Interpreter
CM	Configuration Management
CPU	Central Processing Unit
DKRZ	Deutsches Klimarechenzentrum, the German Climate Computing Centre
ECMWF	European Centre for Medium-Range Weather Forecasts
ESM	Earth System Model
ESMF	Earth System Modelling Framework
FCM	Flexible Configuration Management System
FLUME	Flexible Unified Model Environment
FMS	Flexible Modeling System
FRE	FMS Runtime Environment
GCM	Global or General Circulation Model
GENIE	Grid ENabled Integrated Earth system model
GEODISE	Grid Enabled Optimisation and Design Search for Engineering
GFDL	Geophysical Fluid Dynamics Laboratory
GNU	Project to develop a Unix-like operating system sponsored by the Free Software Foundation( <a href="http://www.fsf.org">http://www.fsf.org</a> )
GPGPU	General Purpose Graphics Processing Units
GPL	GNU General Public License free software license

GUI	Graphical User interface
HPC	High Performance Computing
HTTP	Hypertext Transfer Protocol
IAM	Integrated Assessment Model
IMDI	Integrating Model and Data Infrastructure at DKRZ
IP	Internet Protocol
IPCC	Intergovernmental Panel on Climate Change
IT	Information Technology
JAR	Java Archive
JULES	Joint UK Land Environment Simulator
LAN	Local Area Network
MCT	Model Coupling Toolkit
METAFOR	Common METAdata FOR Climate Digital Repositories
MPI	Message Passing Interface
MPI – M	Max-Planck-Institut für Meteorologie
MPICH2	Message Passing Interface Chameleon Version 2
NAG	Numerical Algorithms Group
NCL	NCAR Command Language
NEMO	Nucleus for European Modelling of the Ocean
NGS	National Grid Service
NWP	Numerical Weather Prediction
OASIS	Ocean Atmosphere Sea-Ice Soil
OPeNDAP	Open-source Project for a Network Data Access Protocol
OS	Operating System
OTP	One-Time Password
OWL	Web Ontology Language
POSIX	Portable Operating System Interface for Unix
PRISM	Partnership for Research Infrastructures in Earth System modelling
ROMS	Regional Ocean Modeling System
RPC	Remote Procedure Call
RSL	Resource Specification Language
SCE	Standard Compile Environment
SMS	Supervisor Monitor Scheduler
SPARQL	SPARQL Protocol and RDF Query Language
SQL	Structured Query Language
SSH	Secure Shell environment
TCP/IP	Transfer Control Protocol / Internet Protocol
TRAC	Tracking system for software development projects
UEA	University of East Anglia
UKCA	UK Community Atmospheric Chemistry-Aerosol global model
UM	Unified Model (from the Met Office in the U.K.)
UMUI	Unified Model User Interface

VCS	Version Control System
VMS	Virtual Memory System
VPN	Virtual Private Network
WRF	Weather Research and Forecasting Model
XML	Extensible Markup Language
XSLT	Extensible Stylesheet Language Translations

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