

List of acronyms

Written by Administrator

There are many abbreviations and acronyms used in the enviroGRIDS project. To facilitate the reading of this website and the various products, we provide below a list of used acronyms. This list is updated as new acronyms emerge.

API Application Programming Interface
BES Basic Execution Service
BS Black Sea
BSC-OS Black Sea Catchment – Observation System
BSC PS Black Sea Commission Permanent Secretariat
BOINC Open Infrastructure for Network Computing
CA Certification Authority
CE Computing Element BMP: BitMaP
CERN Centre Européen pour la Recherche Nucléaire
CGM Computer Graphics Metafile
CSW Catalog Service for the Web
CWE Collaborative Working Environment
DAIS-WG Data Access and Integration Working Group
DCE Distributed Computing Environment
DoW Document of Work
DR Digital Repository
EC European Commission
ECW ERMapper Compress Wavelets
EG enviroGRIDS project
EGEE Enabling Grids for E-scienceE
eGLE GiSHEO eLearning Environment
ELDAS Enterprise Level Data Access Service
EO Earth Observation
ESA European Space Agency
ESIP Environment Oriented Satellite Image Processing Platform DBMS Data Base Management System
ESRI Environmental Systems Research Institute – GIS software development and services company
FTS File Transfer Service
GDAL Geospatial Data Abstraction Library
GDS Grid Database Service
GDSS Grid Database Service Specification
GEO Group on Earth Observations
GEOSS Global Earth Observation System of Systems
GFAL Grid File Access Library
GFC Grid File Catalogue
GGF Grid Global Forum
GI Geographical Information GENESI-DR Ground European Network for Earth Science

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Interoperations – Digital Repositories
GIF Graphics Interchange Format
GIS Geographic Information System
GISEE GIS Technology and Market in South Eastern Europe study
GiSHEO on Demand Grid Services for High Education and Training in Earth Observation
gLite WMS Workload Management System
GML Geographic Markup Language
G-OWS OGC Web Services Working Group
GPL General Public Licence
GPS Global Positioning System
GRID Global Resource Information Database
GSAF Grid Storage Access Framework
GSDI Global Spatial Data Infrastructure
GSF Grid Service Factory
GSI Grid Security Infrastructure
GSR Grid Service Registry
GT Globus Toolkit
GUID Globally Unique Identifier
HEP High Energy Physics
HTTP Hypertext Transfer Protocol
ICPDR International Commission for the Protection of the Danube River
INSPIRE Infrastructure for Spatial Information in the European Community
IR Implementing Rules
ISO International Organization for Standardization
IT Information Technology
JDL Job Description Language
JPEG Joint Photographic Experts Group
JSON JavaScript Object Notation
KML Keyhole Markup Language
KVP Key Value Pair
LFC LCG File Catalogue, LHC Computing Grid File Catalogue, Large Hadron Collider Computing
LFN Logical File Name
LHC Large Hadron Collider
LOB Large Object
MR Monitoring and Reporting
NSDI National Spatial Data Infrastructure
OAI Open Archive Initiative
OAIS Open Archival Information System
OASIS Organization for the Advancement of Structured Information Standards
OGC Open Geospatial Consortium
OGF Open Grid Forum
OGS Open Geospatial
OGSA Open Grid Service Architecture
OGSI Open Grid Service Infrastructure
OSF Open Software Foundation

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OWS OGC Web Service
PDF Portable Document Format
PFN Physical File Name
PNG Portable Network Graphics
RB Resource Broker
RDBMS Relational DataBase Management System
RDF Resource Description Framework
REST Representational State Transfer
RM-ODP Reference Model for Open Distributed Processing (ISO/IEC 10746)
RPC Remote Procedure Call
RSS Really Simple Syndication
SDI Spatial Data Infrastructure
SDK Software Development Kit
SDSC San Diego Supercomputing Center
SE Storage Element
SEE-GRID-SCI South Eastern Europe-GRID eInfrastructure for regional eScience
SHP: Shape File
SLA Service Level Agreement
SLD Styled Layer Descriptor
SOA Service Oriented Architecture
SOAP Simple Object Access Protocol
SOS Sensor Observation Service
SQL Structured Query Language
SRB Storage Resource Broker
SRM Storage Resource Manager
SURL Storage URL
SVG Scalable Vector Graphics
SWAT Soil and Water Assessment Tool
SWE Sensor Web Enablement
TC-211 Technical Committee within ISO for Geographic Information/ Geomatics standards
TIFF Tagged Image File Format
TURL Transport URL
UDDI Universal Description Discovery and Integration
UN United Nations
UNECA: United Nations Economic Commission for Africa
UNEP: United Nations Environment Programme
UNIGE University of Geneva
UNGIWG United Nations Geographical Information Working Group
URL Uniform Resource Locator
URM Uniform Resource Management
UUID Universally Unique Identifier
VO Virtual Organization
VOMS Virtual Organization Membership Service
VGI Volunteered Geographic Information
W3C World Wide Web consortium
WAS Web Service Authentication

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WCS Web Coverage Service
WFS Web Feature Service
WIS Web Information System
WLCG Worldwide LHC Computing Grid
WM Workload Manager
WMS Web Map Service
WP Work Package
WPS Web Processing Service implementation specification produced by the OGC
WPVS Web Perspective and View Service
WS Web Service
WSDL Web Service Description Language
WSRF Web Services Resource Framework
WSS Web Security Service
WTS Web Terrain Service
XACML eXtensible Access Control Markup Language
XML eXtended Markup Language