

## List of acronyms

Written by Administrator

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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