

Definition	Description
<b>2D-surface Wavefields</b>	A collection of "synthetic seismograms" on every surface point of the simulated geographical region
<b>3C</b>	Three component data recorded by seismometers.
<b>ADMIRE</b>	Architectures for Data Intensive Research - <a href="http://www.admire-project.eu/">http://www.admire-project.eu/</a>
<b>AGU</b>	American Geophysical Union <a href="http://sites.agu.org/">http://sites.agu.org/</a>
<b>API</b>	Application Program Interface, an inter-software communication specification used for accessing functionality or services from programs.
<b>ArcLink</b>	A protocol for data transfer from geographically distribute data archives based on time windows - <a href="http://www.seiscomp3.org/wiki/doc/applications/arclink">http://www.seiscomp3.org/wiki/doc/applications/arclink</a>
<b>ATLAS</b>	Automatically Tuned Library Algebra Software
<b>AXISEM</b>	A parallel spectral-element method - <a href="http://www.seg.ethz.ch/software/axisem">http://www.seg.ethz.ch/software/axisem</a>
<b>BADW-LRZ</b>	The Bavarian Academy of Sciences and Humanities - Leibniz Supercomputing Centre - <a href="http://www.lrz.de/english/">http://www.lrz.de/english/</a>
<b>BDII</b>	Berkeley Database Information Index
<b>BLAS</b>	Basic Linear Algebra Subprograms
<b>CINECA</b>	Consorzio Interuniversitario Cineca
<b>cloud</b>	See cloud computing.
<b>cloud computing</b>	A (business) model for enabling the delivery as a service of shared computing resources such as CPUs, networks, storage and applications to multiple users.
<b>component</b>	One of the computational elements involved in a data-intensive or computational process, such as: application codes, scripts, workflows, services, catalogues, registries, data collections, data resources, functions, gateways, libraries, PEs, PE instances, format definitions and types.
<b>cpu-intensive applications</b>	Compute-intensive applications are those that devote most of their execution time to computational requirements and typically require small volumes of data although they can produce very large to huge data volumes. Compute-intensive is a term that applies to any computer application that demands a lot of computation, such as forward modeling programs for seismic wave propagation or other scientific applications.
<b>cross-correlation</b>	In signal processing, cross-correlation is a measure of similarity of two waveforms as a function of a time-lag applied to one of them.
<b>CREAM</b>	Computing Resource Execution And Management
<b>DAGMan</b>	Directed Acyclic Graph Manager, Pegasus engine for executing workflows on available compute resources.
<b>data</b>	Any digitally encoded information that can be stored, processed and transmitted by computers. Includes text files, database records, images, video sequences and recordings. In seismology, it is customary to refer to data as those digital values acquired by the pair seismometer/data-logger deployed in the field which is recording the ground motion object of the analysis.
<b>data archive</b>	The long-term storage of scientific data and methods.
<b>data integration</b>	The process of combining data residing at different sources and providing the user with a unified view of these data. This process emerges in a variety of situations both commercial (when two similar companies need to merge their databases) and scientific (combining research results from different repositories) domains.
<b>data mining</b>	The process of automatically extracting patterns from data using techniques such as classification, association rule mining and clustering.

<b>data-analysis expert</b>	An expert in building or using knowledge discovery methods in a data-rich environment. In the context of VERCE, for example, they build libraries, such as ObsPy or workflows, such as cross-correlation or visualisers, such as SDX.
<b>data-intensive</b>	An adjectival phrase that denotes that the item to which it is applied requires attention to the properties of data and to the ways in which data are handled.
<b>data-intensive applications</b>	Data-intensive applications are those that are used to process large volumes of data typically of the order of terabytes or petabytes in size and referred to as Big Data. They require large volumes of data and devote most of their processing time to I/O and manipulation of data.
<b>data-intensive computing</b>	Computing that necessitates attention to any relevant property of data, including their volumes, distributed locations, and the heterogeneity of their formats and storage structures.
<b>data-intensive engineer</b>	An expert in designing, providing, tuning, operating and improving the use of computational platforms for data-intensive tasks.
<b>data staging</b>	Indicates the process of moving (stage-in) the data to the site of execution. In some cases, a data stage-out is specified to download the results and data clean-up after execution. In a use case, there may be several such data staging activities, which could occur sequentially or in parallel.
<b>DCI</b>	Distributed Computing Infrastructure
<b>DECI</b>	Distributed European Computing Initiative / DEISA Extreme Computing Initiative
<b>DEISA</b>	Distributed European Infrastructure for Supercomputing Applications
<b>DIRAC</b>	The DIRAC (Distributed Infrastructure with Remote Agent Control) project is a complete Grid solution for a community of users needing access to distributed computing resources. - <a href="http://diracgrid.org/">http://diracgrid.org/</a>
<b>distributed computing</b>	The collective use of distributed resources, including data and applications, to solve a computational problem.
<b>domain expert</b>	A person who is skilled in a particular field of research or decision making. In the context of VERCE, seismologists and later other Earth scientists.
<b>DoW</b>	Description of Work
<b>e-Infrastructure</b>	The ICT element of a research infrastructure, i.e.~a distributed collection of data, storage and compute resources, interconnected by digital communications and organised to serve a common research purpose. It includes the hardware, software, middleware, staff, operational procedures and policies needed to make it operate for that purpose, and requires maintenance to function in the evolving digital environment and to meet the changing needs of its user communities.
<b>Earth Model</b>	Assumed one to three dimensional parameter sets of the earth's interior on which a simulation is based.
<b>EDGI</b>	European Grid Initiative ( <a href="http://edgi-project.eu">http://edgi-project.eu</a> )
<b>EDIM1</b>	Edinburgh Data-Intensive Machine 1, University of Edinburgh experimental architecture for data-intensive computing.
<b>Dispel</b>	Data-Intensive Systems Process Engineering Language, a workflow composition language for data-intensive applications.
<b>Dispel Gateway</b>	The new name of "ADMIRE gateway"
<b>EGI</b>	European Grid Infrastructure - <a href="http://www.egi.eu">http://www.egi.eu</a>
<b>EGI ESR VO</b>	Earth Science Research (ESR) Virtual Organisation (VO) in EGI - <a href="http://www.euearthsciencegrid.org/content/esr-vo-introduction">http://www.euearthsciencegrid.org/content/esr-vo-introduction</a>
<b>EGU</b>	European Geophysical Union, <a href="http://www.egu.eu">www.egu.eu</a>
<b>EIDA</b>	European Integrated Data Archives infrastructure - <a href="http://www.verce.eu/ITCoordinationMeetingFebruary2012/EIDA-Overview.pdf">http://www.verce.eu/ITCoordinationMeetingFebruary2012/EIDA-Overview.pdf</a>
<b>EMI</b>	European Middleware Initiative - <a href="http://www.eu-emi.eu/">http://www.eu-emi.eu/</a>
<b>EMSC</b>	Euro-Mediterranean Seismological Centre
<b>enactment</b>	The execution of a workflow on a computational platform; this generally involves coordinated use of multiple and often heterogeneous communication, data and compute resources.
<b>ENVRI</b>	Common Operations of Environmental Research Infrastructures <a href="http://www.egi.eu/about/EGI.eu/EGI.eu_projects/ENVRI.html">http://www.egi.eu/about/EGI.eu/EGI.eu_projects/ENVRI.html</a>
<b>EPOS</b>	"European Plate Observing System" is an ESFRI approved infrastructure currently in its preparatory phase and funded by the EC ( <a href="http://www.epos-eu.org">http://www.epos-eu.org</a> ).
<b>EQ</b>	Earthquake
<b>ESFRI</b>	European Strategy Forum on Research Infrastructures.
<b>ESSL</b>	IBM's Engineering and Scientific Subroutine Library

<b>EUDAT</b>	EUropean DATA is a project currently funded by the EC for the development of the Common Data Interface ( <a href="http://www.eudat.eu">http://www.eudat.eu</a> ).
<b>EUGridPMA</b>	European Union Grid Policy Management Authority. International organisation to coordinate the trust fabric for e-Science authentication in Europe,- <a href="http://www.eugridpma.org">http://www.eugridpma.org</a>
<b>Event</b>	data Catalog entry, from an event-catalog (usually < 10lines ascii orQuakeML), including location, magnitude and/or moment values and type of an earthquake.
<b>F2F meeting</b>	Face-to-face meeting
<b>FD</b>	Finite-Difference wave propagation
<b>Forward Simulation</b>	Simulation of seismic wave-propagation, results in synthetic seismograms.
<b>FP7</b>	Seventh Programme Framework
<b>FTS</b>	gLite File Transfer Service - see gLite below
<b>Full-Waveform Inversion</b>	Tomographic inversion of the real seismograms (or differences between real and synthetic seismograms) to determine the underlying earth model.
<b>gateway</b>	A software subsystem, typically at the middleware level, that accepts requests for computational and data-handling tasks. It vets those requests to establish whether they are valid, e.g.~are syntactically and semantically consistent, and are authorised. Requests that are not validated are rejected. Requests that are accepted are passed to other software systems, at the same or other locations, for execution. The gateway may partition and translate requests in order to combine heterogeneous services.
<b>gLite</b>	Lightweight Middleware for Grid Computing - <a href="http://glite.cern.ch">http://glite.cern.ch</a>
<b>Globus</b>	Globus - An open source Grid software that addresses the most challenging problems in distributed resource sharing (as per <a href="http://www.globus.org">www.globus.org</a> )
<b>Globus Online</b>	A cloud-based, reliable, high performance and secure service for managing file transfers <a href="https://www.globusonline.org/">https://www.globusonline.org/</a>
<b>Globus Toolkit</b>	Open source software toolkit used for building grids - <a href="http://www.globus.org/toolkit/">http://www.globus.org/toolkit/</a>
<b>GPGPU</b>	General-purpose computing on graphics processing units
<b>GPU</b>	Graphics Processing Unit
<b>GRAM</b>	Job submission middleware tool from Globus
<b>GRelC</b>	Grid Relational Catalog Project - <a href="http://grelc.unile.it/home.php">http://grelc.unile.it/home.php</a>
<b>grid</b>	A system that is concerned with the integration, virtualisation, and management of services and resources in a distributed, heterogeneous environment that supports collections of users and resources (virtual organisations) across traditional administrative and organisational domains (real organisations).
<b>GridFTP</b>	Grid File Transfer Protocol, an extension of the standard FTP for use with grid computing.
<b>GridSpace2</b>	Provides a Web 2.0-based Experiment Workbench for joint development and execution of virtual experiments by groups of collaborating scientists. - <a href="https://gs2.plgrid.pl/">https://gs2.plgrid.pl/</a>
<b>GSI</b>	Grid Security Infrastructure. Also see Globus.
<b>GSISSH</b>	GSI-OpenSSH is a modified version of OpenSSH that adds support for GSI authentication and credential forwarding (delegation), providing a single sign-on remote login and file transfer service.
<b>GSI-SSHTerm</b>	A Java based terminal client for accessing the Grid - <a href="http://www.grid.lrz.de/en/mware/globus/client/gsissh_term.html">http://www.grid.lrz.de/en/mware/globus/client/gsissh_term.html</a>
<b>GT</b>	Globus Toolkit
<b>GUI</b>	Graphical User Interface
<b>HDF5</b>	Hierarchical Data Format (HDF, HDF4, or HDF5) is the name of a set of file formats and libraries designed to store and organize large amounts of numerical data ( <a href="http://www.hdfgroup.org/HDF5/">http://www.hdfgroup.org/HDF5/</a> )
<b>high-performance computing (HPC)</b>	Use of powerful processors, high-speed networks and parallel supercomputers for running computationally intensive applications.
<b>IDE</b>	Also known as Integrated Development Environment, a software system designed for supporting software writing, often including a source code editor, a debugger and build automation tools.
<b>IGE</b>	Initiative for Globus in Europe
<b>INCA</b>	Periodic, automated, user-level testing of Grid software and services - <a href="http://inca.sdsc.edu/drupal">http://inca.sdsc.edu/drupal</a>
<b>INGV</b>	Istituto Nazionale di Geofisica e Vulcanologia
<b>INSPIRE</b>	Infrastructure for Spatial Information in Europe, an EU directive aimed at enabling the access, sharing and re-use of spatial data for governance and policy making purposes
<b>IRIS</b>	Incorporated Research Institutions for Seismology (Data-Center)
<b>globalCMT</b>	Global Centroid-Moment-Tensor Project
<b>iRODS</b>	Integrated Rule-Oriented Data-management System - <a href="https://www.irods.org/">https://www.irods.org/</a>
<b>ISO 20000</b>	The international standard for IT Service management - <a href="http://20000.fwtk.org/iso-20000.htm">http://20000.fwtk.org/iso-20000.htm</a>
<b>ITIL</b>	Information Technology Infrastructure Library - <a href="http://www.itil-officialsite.com">http://www.itil-officialsite.com</a>
<b>ITU</b>	International Telecommunication Union
<b>JRA1</b>	Equivalent to Work Package 8 (WP8)
<b>JRA2</b>	Equivalent to Work Package 9 (WP9)
<b>Kepler</b>	Open source scientific workflow management system.
<b>KNIME</b>	Open source system for data mining.
<b>LAPACK</b>	Linear Algebra PACKage
<b>LDAP</b>	Lightweight Directory Access Protocol
<b>LFC</b>	the WLCG File Catalog; part of the gLite middleware see gLite above
<b>LMU</b>	Ludwig-Maximilians-Universitaet Muenchen
<b>LRZ</b>	Leibniz-Rechenzentrum

<b>MAPPER</b>	Multiscale Applications on European e-Infrastructure - <a href="http://www.mapper-project.eu">http://www.mapper-project.eu</a>
<b>Meandre</b>	Semantic-driven data-intensive workflow execution environment.
<b>metadata</b>	Data that describes data. Metadata may include references to schemas, provenance, and information quality. In Seismology, metadata may also refer to data required in order to sanitise a seismograph's response.
<b>Metis</b>	A set of serial programs for partitioning graphs, partitioning finite element meshes, and producing fill reducing orderings for sparse matrices.
<b>miniSEED</b>	The miniSEED format is a subformat of the commonly used SEED data format used for archiving seismological data.
<b>MKL</b>	Intel Math Kernel Library
<b>MoU</b>	Memorandum of Understanding
<b>MPI</b>	Message Passing Interface
<b>myExperiment</b>	Collaborative virtual research environment for sharing scientific workflows.
<b>MyProxy</b>	Open source software for managing X.509 Public Key Infrastructure (PKI) security credentials. Provide authentication and authorization mechanisms for controlling access to credentials. - <a href="http://grid.ncsa.illinois.edu/myproxy">http://grid.ncsa.illinois.edu/myproxy</a>
<b>NA</b>	Network activities
<b>NA2</b>	Equivalent to Work Package 2 (WP2)
<b>NCSA</b>	National Center for Supercomputing Applications - <a href="http://www.ncsa.illinois.edu/">http://www.ncsa.illinois.edu/</a>
<b>NERA</b>	Network of European RI for Earthquake Risk Assessment and Mitigation. EC I3 project, <a href="http://www.nera-eu.org">www.nera-eu.org</a>
<b>NERIES</b>	Network of RI for European seismology. EC I3 project ended 2010 <a href="http://www.neries-eu.org">www.neries-eu.org</a>
<b>NGI</b>	National Grid Initiatives - <a href="http://www.egi.eu/about/ngis">http://www.egi.eu/about/ngis</a>
<b>ObsPy</b>	A Python framework for processing seismological data. <a href="http://obs.py.org/">http://obs.py.org/</a>
<b>OGSA</b>	Open Grid Services Architecture supported by Globus. - <a href="http://www.globus.org/ogsa">http://www.globus.org/ogsa</a>
<b>OGSA-DAI</b>	Open Grid Service Architecture Data Access and Integration, an open source product for distributed data access and management.
<b>ontology</b>	In computer science, a formal explicit specification of a shared conceptualisation.
<b>OpenMP</b>	Open Multi-Processing
<b>ORFEUS</b>	Observatories and Research Facilities for European Seismology. <a href="http://www.orfeus-eu.org">www.orfeus-eu.org</a>
<b>PBS</b>	Portable Batch System
<b>PDCA</b>	The Plan-Do-Check-Act cycle - <a href="http://labspace.open.ac.uk/mod/resource/view.php?id=346003">http://labspace.open.ac.uk/mod/resource/view.php?id=346003</a>
<b>Pegasus</b>	Workflow management service, mapping and executing workflows on available compute resources.
<b>PID</b>	Persistent Identifier : A persistent identifier is a permanent, location- independent and globally unique identifier for a resource. Persistent identifiers are generally assigned by agencies who undertake to provide reliable, long-term access to resources. Examples of persistent identifiers include Digital Object Identifiers, Uniform Resource Names, Handles and Archival Resource Keys.
<b>Pilot application</b>	main software routine within a use case (e.g., the cross-correlation analysis in the use case addressing the velocity variations of the Italian peninsula crust properties).
<b>portal</b>	In the context of knowledge discovery, a tool designed for a particular group of domain experts that can be used via their browsers; it enables them to establish their identity and rights, and to pursue conveniently a set of research tasks for which the portal is designed.
<b>PRACE</b>	Partnership for Advanced Computing in Europe - <a href="http://www.prace-project.eu/">http://www.prace-project.eu/</a>
<b>pre-processing</b>	One or operations performed on the observed data to prepare the latter for the analysis an/or for performing quality control checks.
<b>processing element – PE</b>	A software component that encapsulates a particular functionality and can be used to construct a workflow.
<b>Python Basemap (Matplotlib Basemap)</b>	A library for plotting 2D data on maps in Python
<b>QUEST</b>	QUAntitative Estimation of Earth's Seismic Sources and Structure
<b>RAPID</b>	Rapid portals for Seismological Waveform Data - <a href="http://research.nesc.ac.uk/node/423">http://research.nesc.ac.uk/node/423</a>
<b>RapidSeis</b>	Portal for interactively running C++ scripts on seismological waveform data Not yet ready for Python.
<b>rdseed</b>	<a href="http://www.iris.edu/software/downloads">http://www.iris.edu/software/downloads</a>
<b>Real (or observed) Seismograms</b>	Data recorded at one or more seismic stations and made available by data-centers (size of data depends on duration and sampling rate, also meta-data)
<b>Redmine</b>	Project management web application - <a href="http://www.redmine.org">http://www.redmine.org</a>
<b>registry</b>	A persistent store of definitions and descriptions of data or software components and their relationships accessed by tools and other elements of a distributed research environment. It is intended to facilitate discovery and use of the components.
<b>RegSEM</b>	A Spectral Element Method code to compute seismic wave propagation - <a href="http://www.ipgp.fr/~paulcup/RegSEM.html">http://www.ipgp.fr/~paulcup/RegSEM.html</a>
<b>repository</b>	A store holding software definitions, other shared code and data, that supports distributed concurrent access, update and version management.
<b>Research Infrastructure</b>	The collection of equipment, resources, organisations, policies and community support that enables a particular discipline to conduct research. Normally, this refers to the advanced facilities that enable frontier research, such as the research infrastructures endorsed by ESFRI.

<b>research object</b>	A research item which some researcher wishes to identify. It may be a collection of primary or derived data, code, a workflow, a service, an ontology, a set of metadata, etc. It may be a paper or a talk. Often it is a composition of such elements.
<b>SA1</b>	Equivalent to Work Package 5 (WP5)
<b>SA2</b>	Equivalent to Work Package 6 (WP6)
<b>SA3</b>	Equivalent to Work Package 7 (WP7)
<b>SAC</b>	<a href="http://www.iris.edu/software/sac">http://www.iris.edu/software/sac</a>
<b>SAGA</b>	A Simple API for Grid Applications - <a href="http://www.saga-project.org/">http://www.saga-project.org/</a>
<b>SAML</b>	Security Assertion Markup Language (SAML) is an XML-based open standard for exchanging authentication and authorization data between security domains - <a href="http://saml.xml.org/about-saml">http://saml.xml.org/about-saml</a>
<b>SCALASCA</b>	A software tool that supports the performance optimization of parallel programs by measuring and analyzing their runtime behaviour
<b>science gateway</b>	A consistently presented set of facilities designed to be a convenient working environment for researchers in a particular domain, in this case seismology. It should bring together access to all of the capabilities and resources such a researcher needs: including catalogues of available data and tools, established methods and arrangements for applying them with specified parameters to specified data.
<b>SDX</b>	Seismic Data eXplorer
<b>SEED, mSEED, SAC</b>	Standard seismic data formats
<b>SEC3D</b>	Programme package for simulation of elastic wave propagation in 3D Cartesian earth models
<b>SeisSol</b>	A simulation software based on the Discontinuous Galerkin Finite Element Method - <a href="http://www.geophysik.uni-muenchen.de/~kaeser/SeisSol/">http://www.geophysik.uni-muenchen.de/~kaeser/SeisSol/</a>
<b>SEM</b>	Spectral Element Method wave propagation
<b>SES3D</b>	Programme package for simulation of elastic wave propagation in a spherical section and the computation of Frechet kernels - <a href="http://www.geophysik.uni-muenchen.de/Members/fichtner/ses3d">http://www.geophysik.uni-muenchen.de/Members/fichtner/ses3d</a>
<b>Shibboleth</b>	Standards based, open source software package for web single sign-on across or within organizational boundaries - <a href="http://www.shibboleth.net">http://www.shibboleth.net</a>
<b>SHIWA</b>	Sharing Interoperable Workflows for large-scale simulations on Available DCIs - <a href="http://www.shiwa-workflow.eu/">http://www.shiwa-workflow.eu/</a>
<b>SCI-BUS</b>	SCientific gateway Based User Support ( <a href="http://www.sci-bus.eu">http://www.sci-bus.eu</a> )
<b>SciPy</b>	Scientific Tools for Python
<b>SL5</b>	Scientific Linux 5
<b>SL6</b>	Scientific Linux 6
<b>SLES</b>	SUSE Linux Enterprise Server
<b>SLURM</b>	A high scalable resource manager
<b>SPECFEM3D</b>	Simulation software code based on the spectral-element method for 3D seismic wave propagation in sedimentary basins or any other regional geological model - <a href="http://www.seg.ethz.ch/software/specfem3D">http://www.seg.ethz.ch/software/specfem3D</a>
<b>STF</b>	Source Time Function. Shape of the original "signal-wave" of the earthquake, calculated by adjoint source inversion (or other methods). The "signature" of the STF is present in the recorded seismograms.
<b>SuperMIG/SuperML</b>	The name of a new supercomputer of the LRZ
<b>Synthetic Seismograms</b>	Waveform(time series) calculated in a computer simulation (size of data depends on duration and sampling rate, also meta-data). It is dependent on the solver, the computational grid(mesh), the earth model, the event parameters, and the location of "observation".
<b>Taverna</b>	Open source scientific workflow management system.
<b>The PDCA cycle</b>	The Plan-Do-Check-Act cycle <a href="http://labspace.open.ac.uk/mod/resource/view.php?id=346003">http://labspace.open.ac.uk/mod/resource/view.php?id=346003</a>
<b>Trident</b>	Microsoft workflow management system.
<b>UEDIN</b>	The University of Edinburgh
<b>UMD</b>	Unified Middleware Distribution - <a href="http://www.eu-emi.eu/">http://www.eu-emi.eu/</a>
<b>UNICORE</b>	Uniform Interface to Computing Resources - <a href="http://www.unicore.eu/">http://www.unicore.eu/</a>
<b>Use case</b>	In software and systems engineering, a use case is a list of steps, typically defining interactions between a role and a system, to achieve a goal. The actor can be a human or an external system (cf <a href="http://en.wikipedia.org/wiki/Use_case">http://en.wikipedia.org/wiki/Use_case</a> ). In VERCE it is assumed to represent the entire scientific application (e.g., analysis of the noise cross-correlation of the Italian seismic networks for 6 years period to detect temporal variations of the Crust material properties)
<b>VERCE architecture</b>	A high-level and coherent design for the VERCE e-Infrastructure; it evolves as the seismological goals and digital environment evolve and become better understood. It should guide the development of successive VERCE platforms.
<b>VERCE e-Infrastructure</b>	An envisaged result of VERCE, as an integrated computational and data environment that presents a coherent virtual research environment in which to conduct seismology research and eventually research in other Earth sciences.
<b>VERCE Platform</b>	The current realisation of the VERCE e-Infrastructure at any time in the VERCE project. Initially this is not fully integrated and may only constitute a partial implementation. Nevertheless, it is sufficient both to pursue research identified as priority seismology use cases and to develop and test the design of the VERCE e-Infrastructure. The VERCE platform is an approximation to the VERCE e-Infrastructure. These approximations should converge on the VERCE e-Infrastructure by the end of the VERCE project.
<b>virtual research environment (VRE)</b>	A presentation of (ideally all of) the resources a researcher may need in a consistent and easily used form. These resources include catalogues, data, metadata, libraries, tools, workflows, programs, services, visualisation systems and research methods.
<b>VOMS</b>	Virtual Organization Membership Service - <a href="http://www.globus.org/grid_software/security/voms.php">http://www.globus.org/grid_software/security/voms.php</a>

<b>W3C</b>	World Wide Web Consortium, an international community of member organisations and the public that works to define and promote standards for web technologies.
<b>web service</b>	A software system designed to support interoperable machine- or application-oriented interaction over a network.
<b>WLCG</b>	the Worldwide Large Hadron Collider (CERN particle accelerator) Computing Grid - <a href="http://lcg.web.cern.ch/lcg">http://lcg.web.cern.ch/lcg</a>
<b>workbench</b>	In this context a work environment for a computationally adept worker, such as a data-analysis expert, a data-intensive engineer or an application developer. It may be an IDE, an advanced editor or a command-line interpreter. It should provide all of the operations those workers need for creating, building, analysing, testing, debugging and making available the seismology and e-Infrastructure components. Many of the tools in a workbench will be familiar and widely used, a few will be specific to VERCE.
<b>workflow</b>	A process of composed data-handling tasks, computational tasks and human interactions intended to implement a research method or established working practice.
<b>WP</b>	Work Package
<b>WP1</b>	NA1
<b>WP2</b>	NA2
<b>WP3</b>	NA3
<b>WP4</b>	NA4
<b>WP5</b>	SA1
<b>WP6</b>	SA2
<b>WP7</b>	SA3
<b>WP8</b>	JRA1
<b>WP9</b>	JRA2
<b>WP leader</b>	The institution that has the responsibility for a certain WP, not the single person. e.g. NA1 leader is CNRS
<b>wrapper</b>	A design pattern where a piece of code allows computational or data-handling components to work together that normally could not because of incompatible interfaces.
<b>X.509</b>	ITU-T (Telecommunication Standardization Sector) standard for a public key infrastructure (PKI) and Privilege Management Infrastructure (PMI) - <a href="http://www.itu.int/rec/T-REC-X.509/en">http://www.itu.int/rec/T-REC-X.509/en</a>
<b>XML</b>	Extensible Markup Language.
<b>XSEDE</b>	Extreme Science and Engineering Discovery Environment - <a href="https://www.xsede.org/">https://www.xsede.org/</a>
<b>XtreemFS</b>	open source distributed and replicated filesystem - <a href="http://www.xtreemfs.org">http://www.xtreemfs.org</a>
<b>ZigZag</b>	Language used by Meandre for describing the directed graphs that define workflows.