



## Glossary of Terms and Abbreviations

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<b>AAMP</b>	Agence des Aires Marines Protégées
<b>AB</b>	Advisory Board
<b>ABFT</b>	Atlantic Bluefin Tuna
<b>ACAP</b>	Agreement on the Conservation of Albatrosses and Petrels
<b>AFL</b>	Array Functional Language
<b>ALS</b>	Alternating Least Squares
<b>ANN</b>	Artificial Neural Networks
<b>AQL</b>	Array Query Language
<b>ARI</b>	Atos Research and Innovation
<b>ATN</b>	Animal Telemetry Network
<b>AUC</b>	Area Under the receiver operating Curve
<b>ARGOS</b>	Worldwide tracking and environmental monitoring by satellite
<b>Auxiliary data*</b>	An auxiliary data is a product used as an input of the service which is required to be able to fulfil the service. *In the context of Deliverable D1.1
<b>BAS</b>	British Antarctic Survey
<b>BLS</b>	International Bio-Logging Society
<b>BODC</b>	British Oceanographic Data Centre
<b>CA</b>	Consortium Agreement
<b>Catalogue</b>	The catalogue is the metadata database which is requested to discover the products and services.
<b>CDM</b>	Common Data Model
<b>CEBC</b>	Centre d'Etudes Biologiques de Chizé
<b>CF</b>	Climate and Forecast
<b>CF Conventions</b>	Climate and Forecast Conventions
<b>CHL</b>	Chlorophyll
<b>CMEMS</b>	Copernicus Marine Environment Monitoring Service
<b>CMS</b>	Content Management System
<b>CNES</b>	Centre national d'études spatiales (English: National Centre for Space Studies, French government space agency)
<b>CPA</b>	Changepoint Analysis
<b>CRS</b>	Coordinate Reference System
<b>CRWs</b>	Correlated Random Walks
<b>CSV</b>	Comma Separated Values
<b>CSW</b>	Catalog Service for the Web
<b>DAP</b>	Data Access Portfolio
<b>DEM</b>	Digital Elevation Model
<b>DFS</b>	Distributed File System
<b>DMP</b>	Data Management Plan
<b>DMS</b>	Data Management Service
<b>DT</b>	Decision Tree
<b>EA</b>	Environment Agency
<b>ECMWF</b>	European Centre for Medium-Range Weather Forecasts
<b>ECV</b>	Essential Climate Variable
<b>EEZ</b>	Exclusive Economic Zone
<b>EKE</b>	Eddy Kinetic Energy

<b>ENM</b>	Ecological Niche Modelling
<b>EO</b>	Earth Observation
<b>ERD</b>	Environmental Research Division
<b>ERDDAP</b>	Environmental Research Division's Data Access Program
<b>ESA</b>	European Space Agency
<b>estUD</b>	estimated Utilization Distribution
<b>ETOPO1</b>	ETOPO1 is a 1 arc-minute global relief model of Earth's surface that integrates land topography and ocean bathymetry
<b>EUMETSAT</b>	European Organisation for the Exploitation of Meteorological Satellites
<b>EuroGOOS</b>	European Global Ocean Observing System
<b>FPT</b>	First Passage Time
<b>GAM</b>	Generalised Additive Models
<b>GDAL</b>	Geospatial Data Abstraction Library
<b>GEO</b>	Group on Earth Observations
<b>GEOS</b>	Geometry Engine - Open Source
<b>GEOSS</b>	Global Earth Observation System of Systems
<b>GLM</b>	Generalised Linear Models
<b>GLS</b>	Geolocators
<b>GML</b>	Geography Markup Language
<b>GMMs</b>	Gaussian Mixtures Models
<b>GSM</b>	Global System for Mobile communication
<b>GPS</b>	Global Positioning System
<b>GRACE</b>	Gravity Recovery and Climate Experiment
<b>GTR</b>	Great Tuna Race
<b>HDT</b>	Header Dictionary Triple
<b>Helix Nebula</b>	European Science Cloud
<b>HMI</b>	Human Machine Interface
<b>HPC</b>	High Performance Computing
<b>INSPIRE</b>	EU Directive establishing an Infrastructure for Spatial Information in the European Community
<b>IBA</b>	Important Bird Area
<b>IMMAS</b>	Important Marine Mammal Areas
<b>IMOS</b>	Integrated Marine Observing System
<b>IOOS</b>	Integrated Ocean Observing System
<b>IES</b>	Institute of European Studies
<b>IPR</b>	Intellectual Property Rights
<b>IUCN</b>	International Union for Conservation of Nature
<b>JSON</b>	JavaScript Object Notation
<b>JSON-LD</b>	JavaScript Object Notation for Linked Data
<b>KB</b>	Knowledge Base
<b>KDE</b>	Kernel Density Estimation
<b>KML</b>	Keyhole Markup Language
<b>LDA</b>	Latent Dirichlet Allocation
<b>LDP</b>	Linked Data Platform
<b>LIDAR</b>	Light Detection and Ranging
<b>LoCoH</b>	Local Convex Hulls

<b>MARS</b>	Multivariate Adaptive Regression Splines
<b>MCP</b>	Marine Community Profile
<b>MCS</b>	Marine Conservation Society
<b>MEOP</b>	Marine Mammals Exploring the Oceans Pole to Pole
<b>Metadata</b>	A metadata describes the contents and context of data or data files or services to increase their usefulness.
<b>Mllib</b>	Machine Learning Library
<b>MMI</b>	Marine Metadata Interoperability
<b>MPA</b>	Marine Protected Area
<b>NASA</b>	National Aeronautics and Space Administration (United States government agency responsible for the space program)
<b>NcML</b>	NetCDF Markup Language
<b>NERC</b>	Natural Environment Research Council
<b>NetCDF</b>	Network Common Data Format
<b>NGO</b>	Non-Governmental Organization
<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>NRT</b>	Near Real Time
<b>NRT SLA</b>	Near Real Time Sea Level Anomalies
<b>OBIS-SEAMAP</b>	Ocean Biogeographic Information System Spatial Ecological Analysis of Megavertebrate Populations, a spatially referenced online database, aggregating marine mammal, seabird and sea turtle observation data from across the globe
<b>OGC</b>	Open Geospatial Consortium
<b>OGC CSW</b>	Catalog Services for the Web
<b>OGC WCS</b>	Web Coverage Service, which offers multi-dimensional coverage data for access over the Internet. It also supports requests for coverage data (rasters).
<b>OGC WFS</b>	Web Feature Service
<b>OGC WMS</b>	Web Mapping Service
<b>OGC WMTS</b>	Web Map Tile Service
<b>OGC WPS</b>	Web Processing Service
<b>OSTIA</b>	Operational Sea Surface Temperature and Sea Ice Analysis
<b>OTN</b>	Ocean Tracking Network
<b>OWL</b>	Ontology Web Language
<b>Parameter</b>	A parameter is a value that the user has to enter as an input of the service.
<b>PCA</b>	Principal Component Analysis
<b>PEPS</b>	Sentinel products exploitation platform from CNES, French Spatial Agency and ESA
<b>PoC</b>	Proof of Concept
<b>PP</b>	Primary Production
<b>Product</b>	A product is set of data which are homogeneous in terms of content. Generally, the product provider is in charge of the delivery of the product according to a frequency which depends on a processing chain. He makes it available through access services: it could be simple files on a FTP server, or more enhanced features using HTTP or OGC protocols. EO4wildlife outputs are also products.
<b>PTT</b>	Platform Terminal Transmitter
<b>RDBMS</b>	Relational Database Management System
<b>RDF</b>	Resource Description Framework
<b>RF</b>	Random Forest
<b>RIA</b>	Research and Innovation Action

<b>REST</b>	REpresentational State Transfer
<b>ROC</b>	Receiver Operating Characteristic
<b>Run*</b>	A run is a particular execution of a service. *In the context of Deliverable D1.1
<b>S4AC</b>	Social Semantic SPARQL Security for Access Control
<b>SAR</b>	Synthetic Aperture Radar
<b>SAVEX</b>	South Atlantic Variability Experiment
<b>SCAR</b>	Scientific Committee on Antarctic Research
<b>SCIRO</b>	Australia's national science agency
<b>SDMX</b>	Statistical Data and Metadata eXchange
<b>SEaOS</b>	Southern Elephant Seals as Oceanographic Samplers
<b>SEED</b>	Smart Elastic Enriched Earth Data, is the name of the project producing SparkInData platform. Some documents also mention SEED platform, which is the same as SparkInData platform.
<b>SEPA</b>	Scottish Environmental Protection Agency
<b>Service*</b>	A service is a piece of software which implements a process covering a user need. *In the context of Deliverable D1.1
<b>SKOS</b>	Simple Knowledge Organization System
<b>SME</b>	Small and Medium-sized Enterprise
<b>SMMI</b>	Southampton Marine and Maritime Institute
<b>SPARQL</b>	SPARQL Protocol and RDF Query Language
<b>SRS</b>	Satellite Remote Sensing
<b>SSHa</b>	Sea Surface Height Anomaly
<b>SST</b>	Sea Surface Temperature
<b>STAT</b>	Satellite Tracking and Analysis Tool
<b>SVD</b>	Singular Value Decomposition
<b>SWEET</b>	Semantic Web for Earth and Environmental Terminology
<b>SWOT</b>	Strengths, Weaknesses, Opportunities and Threats
<b>T&amp;L</b>	Track and Loc
<b>TDS</b>	THREDDS Data Server
<b>TRL</b>	Technology readiness levels TRL 1 – basic principles observed TRL 2 – technology concept formulated TRL 3 – experimental proof of concept TRL 4 – technology validated in lab TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies) TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies) TRL 7 – system prototype demonstration in operational environment TRL 8 – system complete and qualified TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)
<b>Turtle</b>	Terse RDF Triple Language
<b>TCP</b>	Turtle Conservation Project
<b>UD</b>	Utilization Distribution
<b>UDR</b>	Usage Data Record
<b>W3C</b>	World Wide Web Consortium
<b>WCPA</b>	World Commission on Protected Areas

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<b>WDW</b>	WRAM Data Warehouse
<b>WFS</b>	Web Feature Service. Web Feature Service supports requests for geographical feature data (with vector geometry and attributes). OGC standard
<b>WMS</b>	Web Map Service supports requests for map images (and other formats) generated from geographical data. OGC standard
<b>WPS</b>	Web Processing Service
<b>WRAM</b>	Wireless Remote Animal Monitoring
<b>WWF</b>	World Wildlife Fund for Nature
<b>WWF-MEDPO</b>	Mediterranean Programme of WWF (World Wildlife Fund)
<b>XML</b>	eXtensible Markup Language