



Glossary of Terms and Abbreviations

Version 28/02/2017



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

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

MARS	Multivariate Adaptive Regression Splines
MCP	Marine Community Profile
MCS	Marine Conservation Society
MEOP	Marine Mammals Exploring the Oceans Pole to Pole
Metadata	A metadata describes the contents and context of data or data files or services to increase their usefulness.
Mllib	Machine Learning Library
MMI	Marine Metadata Interoperability
MPA	Marine Protected Area
NASA	National Aeronautics and Space Administration (United States government agency responsible for the space program)
NcML	NetCDF Markup Language
NERC	Natural Environment Research Council
NetCDF	Network Common Data Format
NGO	Non-Governmental Organization
NOAA	National Oceanic and Atmospheric Administration
NRT	Near Real Time
NRT SLA	Near Real Time Sea Level Anomalies
OBIS-SEAMAP	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
OGC	Open Geospatial Consortium
OGC CSW	Catalog Services for the Web
OGC WCS	Web Coverage Service, which offers multi-dimensional coverage data for access over the Internet. It also supports requests for coverage data (rasters).
OGC WFS	Web Feature Service
OGC WMS	Web Mapping Service
OGC WMTS	Web Map Tile Service
OGC WPS	Web Processing Service
OSTIA	Operational Sea Surface Temperature and Sea Ice Analysis
OTN	Ocean Tracking Network
OWL	Ontology Web Language
Parameter	A parameter is a value that the user has to enter as an input of the service.
PCA	Principal Component Analysis
PEPS	Sentinel products exploitation platform from CNES, French Spatial Agency and ESA
PoC	Proof of Concept
PP	Primary Production
Product	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.
PTT	Platform Terminal Transmitter
RDBMS	Relational Database Management System
RDF	Resource Description Framework
RF	Random Forest
RIA	Research and Innovation Action

REST	REpresentational State Transfer
ROC	Receiver Operating Characteristic
Run*	A run is a particular execution of a service. *In the context of Deliverable D1.1
S4AC	Social Semantic SPARQL Security for Access Control
SAR	Synthetic Aperture Radar
SAVEX	South Atlantic Variability Experiment
SCAR	Scientific Committee on Antarctic Research
SCIRO	Australia's national science agency
SDMX	Statistical Data and Metadata eXchange
SEaOS	Southern Elephant Seals as Oceanographic Samplers
SEED	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.
SEPA	Scottish Environmental Protection Agency
Service*	A service is a piece of software which implements a process covering a user need. *In the context of Deliverable D1.1
SKOS	Simple Knowledge Organization System
SME	Small and Medium-sized Enterprise
SMMI	Southampton Marine and Maritime Institute
SPARQL	SPARQL Protocol and RDF Query Language
SRS	Satellite Remote Sensing
SSHa	Sea Surface Height Anomaly
SST	Sea Surface Temperature
STAT	Satellite Tracking and Analysis Tool
SVD	Singular Value Decomposition
SWEET	Semantic Web for Earth and Environmental Terminology
SWOT	Strengths, Weaknesses, Opportunities and Threats
T&L	Track and Loc
TDS	THREDDS Data Server
TRL	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)
Turtle	Terse RDF Triple Language
TCP	Turtle Conservation Project
UD	Utilization Distribution
UDR	Usage Data Record
W3C	World Wide Web Consortium
WCPA	World Commission on Protected Areas

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