Definitions of the OSD Metadata
Instructions how to fill in the logsheets

	Field	Description	Controlled vocabulary/format*	Example
SAMPLING	**SAMPLING_Site**	Refers to the unique OSD-ID the site/station where the data/sample collection is performed.	Format: <Site ID from OSD Site Registry>,	OSD5
	SAMPLING_Name	Refers to the unique name of the site/station where the data/sample collection is performed.	Format: <Site name from OSD Site Registry>	Poseidon-E1-M3A Time Series Station
	SAMPLING_Platform	Refers to the specific unique stage from which the sampling device was deployed; includes the platform category and platform name.	Format:<Platform category from SDN:L06>,<Platform name>	Research vessel, FILIA
	SAMPLING_ Campaign	Refers to a finite or indefinite activity aiming at collecting data/samples, e.g. a cruise, a time series, a mesocosm experiment.	Free text	OSD12X Sampling 2020/January
	SAMPLING_Investigators	List of people who will appear in the citation of data publications. Please order the list according to authorship. The first author is the contact person.	Format: <LASTNAME>, <FirstName>, <email>	JONES, Peter, pjones@institute1.eu; SMITH, Mary, msmith@institute2.eu
	SAMPLING_Institution details	Refers to the Institution where the SAMPLING_Investigators work at and the country it is based	Format: <Institution Name>, <Country>	HCMR (Hellenic Centre for Marine Research), Greece
	SAMPLING_Objective	Describes the scientific context/interest of the sampling activity. This information is useful to generate a short abstract as part of the data set citation.	Free text	A short abstract

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Field	Description	Controlled vocabulary/format*	Example
EVENT_DateTime	Date and time when the sampling event started and ended, e.g. each CTD cast, net tow, or bucket collection is a distinct event.	Date and time in UTC; Format: yyyy-mm-ddThh:mm:ssZ	2013-06-21T14:05:00Z/2013-06-21T14:46:00Z
EVENT_Longitude	Longitude of the location where the sampling event started and ended, e.g. each CTD cast, net tow, or bucket collection is a distinct event	Format: ###.###### Decimal degrees; East= +, West= - Format: Use WGS 84 for GPS data	035.666666 035.670200
EVENT_Latitude	Latitude of the location where the sampling event started and ended, e.g. each CTD cast, net tow, or bucket collection is a distinct event	Format: ##.###### Decimal degrees; North= +, South= - Format: Use WGS 84 for GPS data	-24.666666 -24.664300
EVENT_Device	Refers to the instrument/gear used to collect the sample or the sensor used to measure environmental parameters.	Free text	10L-Niskins or 5L-Bucket
EVENT_Method	Refers to the deployment procedure of the Device.	Free text	12 Niskins were deployed on a Rosette
EVENT_Comment	Report any deviation.	Free text	Lots of Jellyfish in the water

EVENT

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	Field	Description	Controlled vocabulary/format*	Example
ENVIRONMENT	**ENVIRONMENT_Marine_Country**	Refers to the country the SAMPLING_Site belongs to	Free text	Greece
	ENVIRONMENT_Marine_Region	It characterises the environment, based on the latitude and longitude, by reference to geographic, political, economic or ecological boundaries.	Terms list: Marine Regions	Crete Sea
	ENVIRINMENT_Depth	The distance below the surface of the water at which a measurement was made or a sample was collected.	Format: ##.# Positive below the sea surface. SDN:P06:46:ULAA for m	1 m
	ENVIRONMENT_Biome	Descriptor of the broad ecological context of a sample.	Terms list: EnvO	ENVO:01000023 for "marine pelagic biome"
	ENVIRONMENT_Feature	Compared to biome, feature is a descriptor of a geographic aspect or a physical entity that strongly influences the more local environment of a sample.	Terms list: EnvO	ENVO:01000080 for "pelagic isothermal surface"
	ENVIRONMENT_Material	Descriptor of the material that was displaced by the sample, or material in which a sample was embedded, prior to the sampling event.	Terms list: EnvO	ENVO:00002225 for "mesotrophic water"

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	Field	Description	Controlled vocabulary/format*	Example
FILTER SAMPLE	**SAMPLE_Label**	Refers to the label the filter is given	<OSD-ID>_<Month>_<Year>_<SiteName>_<ProtocolLabel>_<SampleNo>_<Depth>	OSD3_06_18_Helgoland_NPL022_1_1m
	SAMPLE_Quantity	Refers to the quantity of environment that was sampled	Format: in litres	100 L
	SAMPLE_Filtration Time	Refers to the time (minutes) the environment had been filtering through the specific filter	Format: in minutes	14 min
	SAMPLE_Container	Refers to the container in which the sample is stored prior to analysis.	Term list; See the *SAMPLE_Container* in the OSD Protocols Section of the OSD Handbook for details	Cryovial, 5 mL
	SAMPLE_Content	Refers to the content of the sample container.	Term list; See the *SAMPLE_Material* in the OSD Protocols Section of the OSD Handbook for details.	Particulate matter on a 142mm PC membrane
	SAMPLE_Size-Fraction_Upper-Threshold	Refers to the mesh/pore size used to pre-filter/pre-sort the sample. Materials larger than the size threshold are excluded from the sample.	Term list; See the *SAMPLE_Size-Fraction_Upper-Threshold* in the OSD Protocols Section of the OSD Handbook for details	3 µm
	SAMPLE_Size-Fraction_Lower-Threshold	Refers to the mesh/pore size used to retain the sample. Materials smaller than the size threshold are exclude from the sample.	Term list; See the *SAMPLE_Size-Fraction_Lower-Threshold* in the OSD Protocols Section of the OSD Handbook for details	0.22 µm
	SAMPLE_Treatment_Chemicals	Refers to the chemicals added to the sample, in the container, preservatives.	Terms list: www; See the *SAMPLE_Treatment_Chemicals* in the OSD Protocols Section of the OSD Handbook for details	None

	SAMPLE_Treatment_Storage	Refers to the conditions in which the sample is stored, e.g. temperature, light conditions, time.	Term list; See the *SAMPLE_Treatment_Storage* in the OSD Protocols Section of the OSD Handbook for details	- 80 °C

ENVIRONMENTAL Parameters & Values Checklist	Logsheet pages 3-4
Definitions and Instructions can be found in the logsheet, individually for each Metadata field	