



SAMPLING	 		SAMPLING_Site_OSD-ID*						
			SAMPLING_Site_Name*						
			SAMPLING_Platform						
			SAMPLING_Campaign*		OSD 2021				
	SAMPLING_Investigators		Last name*		First name*	Email*			
SAMPLING_Institution details		Institution Name*			Country*				
SAMPLING_Objective									
EVENT	EVENT_DateTime (UTC)			yyyy*	mm*	dd*	hh*	mm*	
			Start						
			End						
	EVENT_Lat/Long			+N/-S*	dd.0000*		+E/-W*	dd.0000*	
			Start						
			End						
	EVENT_Device*								
EVENT_Method*									
EVENT_Comment									
ENVIRONMENT	ENVIRONMENT_Marine_Country*		e.g. Italy						
	ENVIRONMENT_Marine_Region*		e.g. Adriatic Sea						
	ENVIRONMENT_Depth (m)*		e.g. 52m						
	ENVIRONMENT_Biome*		e.g. ENVO:00000447 for "marine biome"						
	ENVIRONMENT_Feature*		e.g. ENVO:00002042 for "surface water"						
	ENVIRONMENT_Material*		e.g. ENVO:00002149 for "seawater"						

FILTER SAMPLE	SAMPLE_Depth (m)*						
	Replicates	Filter #1	Filter #2	Filter #3	Filter #4	Filter #5	Filter #6
	SAMPLE_Label*						
	SAMPLE_Quantity* (ml)						
	SAMPLE_Filtration Time (minutes)						
	SAMPLE_Container* (e.g. Sterivex, 0,22µm)						
	SAMPLE_Content* (e.g. particulate matter)						
	SAMPLE_Size-Fraction_Upper-Threshold	No pre-filtration	No pre-filtration	No pre-filtration	No pre-filtration	No pre-filtration	No pre-filtration
	SAMPLE_Size-Fraction_Lower-Threshold* (e.g 0,22µm)						
	SAMPLE_Treatment_Chemical	None	None	None	None	None	None
SAMPLE_Treatment_Storage* (e.g. -80 °C)							

ENVIRONMENTAL METADATA	CATEGORY	PARAMETER (Unit)	DESCRIPTION	VALUE	
	CTD	Conductivity (mS/cm)		Electrical conductivity of H ₂ O	
		Temperature (°C)*		Temperature of H ₂ O	
		Depth (m)*		Vertical spatial coordinates	
		Salinity (PSU)*		Salinity of H ₂ O	
		Fluorescence		Raw (volts) OR converted (mg Chla/m ³) fluorescence of the H ₂ O	
	Seawater Nutrients Concentration	Nitrate (μmol/L)*		Nitrate concentration parameters in the H ₂ O column	
		Nitrite (μmol/L)*		Nitrite concentration parameters in the water column	
		Phosphate (μmol/L)*		Phosphate concentration parameters in the H ₂ O column	
		Silicate (μmol/L)*		Silicate concentration parameters in the H ₂ O column	
Ammonium (μmol/L)*			Ammonium concentration parameters in the H ₂ O column		
Seawater Chemical Properties	PH*		Alkalinity, acidity and pH of the H ₂ O column		
	Dissolved O ₂ parameters in the H ₂ O column ((μmol/kg)		Dissolved oxygen concentration		
Seawater Optical Properties	Downward PAR (mE/m ² /s)		Visible waveband radiance and irradiance measurements in the H ₂ O column		
	Turbidity (FTU or NTU)		Transmittance and attenuation of the H ₂ O column		

ENVIRONMENTAL METADATA	CATEGORY	PARAMETER (Unit)	DESCRIPTION	VALUE
	Organic Matter	Carbon organic particulate - POC ($\mu\text{g/L}$)	Particulate organic carbon concentration in the H ₂ O column	
		Nitrogen organic particulate - PON ($\mu\text{g/L}$)	Particulate organic nitrogen concentration in the H ₂ O column	
		Carbon organic dissolved - DOC ($\mu\text{mol/L}$)	Dissolved organic carbon concentration in the H ₂ O column	
		Nitrogen organic dissolved - DON (mg/L)	Dissolved organic nitrogen concentration in the H ₂ O column	
	Organism Concentration (Amount, Volume or Mass)	Pigment concentrations (mg/m^3)	Concentration of pigments (e.g. chlorophyll a) extracted and analysed by fluorometry or HPLC	
		Picoplankton - Flow Cytometry (m^3)	Abundance of cells in the H ₂ O column (+other avail. cell properties)	
		Nano/Microplankton (m^3)	Abundance of cells in the H ₂ O column (+other avail. cell properties)	
		Meso/Macroplankton (m^3)	Abundance of individuals in the H ₂ O column (+other avail. properties)	
	Community Production Rate	Primary Production - isotope uptake ($\text{mg/m}^3/\text{d}$)	Primary Production in the H ₂ O column	
Primary Production - oxygen ($\text{mg/m}^3/\text{d}$)		Primary Production in the H ₂ O column		
Bacterial production, isotope uptake ($\text{mg/m}^3/\text{d}$)		Bacterial production in the H ₂ O column		
Bacterial production - respiration ($\text{mg/m}^3/\text{d}$)		Bacterial production in the H ₂ O column		