

Table 1: Availability of selected in situ measured parameters per test site.

		North Sea	Baltic Sea	Mediterranean & Black Sea	Morocco	Acadia	Chesapeake Bay	Oregon and Washington	Plumes and Blooms	Puerto Rico	Benguela	China, Korea, Japan	Great Barrier Reef	Red Sea	Indonesian Waters	Cape Verde	Central California	Antares-Ubatuba	Tasmania	Gulf of Mexico
METADATA																				
start Date	Date of begining of data aquisition [yyyy-mm-dd]	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
start Time	Time of begining of data aquisition [hh:mm:ss]	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x
LAT	Minimum Latitude [degree]	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
LONG	Maximum Longitude [degree]	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Wind_Speed	Wind_Speed [m/s]	x	x												x					
Cloud_Cover	Cloud_Cover [%]	x	x												x					
Secchi_Depth	Secchi_Depth [m]	x	x									x		x	x					
Water_Depth	Water_Depth [m]	x	x	x	x	x	x	x	x	x	x	x			x	x	x	x		x
Conductivity	Conductivity [mS/cm]		x	x	x															
Temperature	Temperature [°C]	x	x	x	x	x	x	x	x			x					x			
EUz_m	Depth of euphotic layer [m]	x																		
BIOGEOCHEMICAL_OPTICAL_DATA																				
Salinity	Salinity [psu]	x		x	x		x	x		x		x	x				x		x	
Density	Density [sigma]	x										x								
turbFNU	Turbidity: Formazine Nephelometric Units	x																		
chl_a	Chlorofill a by Fluorometric Method [mgm-3]	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x		x
agXXX	Dissolved Material Absorption Coefficient at wavelength XXX [1/m]	x	x	x	x	x	x		x			x	x		x	x		x	x	
SPM/ ss/ STM	Suspended Particulate Matter / Suspended solids / Total Susp. Matter [mg/l]	x	x	x	x							x	x	x	x				x	x
kpar	Diffuse downwelling coefficient for PAR (Photosynthetically Available Rad.)	x			x	x	x		x	x					x	x				
z_YY	Depth of YY% light level of PAR [m]	x			x	x	x		x	x					x	x				
RADIOMETRIC_DATA																				
kdXXX	Spectral downwelling irradiance Attenuation Coeff. at wavelength XXX [1/m]	x			x	x	x		x	x	x	x			x	x				
LwXXX	Water Leaving Radiance at wavelength XXX [uW/cm²/nm/sr]	x			x	x	x	x	x	x	x				x	x	x	x		x
RrsXXX	Remote Sensing Reflectance at wavelength XXX [1/sr]	x						x			x	x	x		x					x
IOPs																				
aXXX	Absorption Coefficient at wavelength XXX a(z,l)			x					x											x
bXXX	Scattering Coefficient at wavelength XXX [1/m]																			x
bbXXX	Backscattering Coefficient at wavelength XXX (fit) [1/m]	x			x	x			x							x				