

Please fill in column 3 (Headed 'Match') with data that should be acquired or downloaded to best match the application described.

Application	Data	Match!
1. Ameera has been reading about how the Thwaites and Pine Island Glaciers have been breaking apart, and she is interested in observing and tracking the resulting sea ice.	a) CMEMS – OCEANCOLOUR daily-mean and monthly-mean L3 or L4	1 ( )
2. Nicola wants to measure seasonal increases of water hyacinth (a floating aquatic plant) in Lake Victoria, to determine if there are links to increased aquaculture and agricultural run-off over the last 3 years.	b) L2 Sentinel-3 OLCI Chl-a plus L2 Sentinel-3 SLSTR SST	2 ( )
3. Samir has been following the news closely, and wants to map active forest fires in California.	c) L2 Sentinel-2 reflectance timeseries	3 ( )
4. Alex wants to look at Chlorophyll-a concentrations in the Mediterranean Sea over the last decade to determine if seasonal phytoplankton patterns have been perturbed.	d) Sentinel 3 SLSTR Fire Radiative Power (FRP) product	4 ( )
5. Maya wants to map palm oil plantations in Brazil to determine if tropical forest has been recently cut down to create them.	e) L2 Sentinel-2 NDVI	5 ( )
6. Dan is investigating erosion and elevation change in vegetated coastal dunes over the course of a year.	f) Sentinel-1 Synthetic Aperture Radar (SAR)	6 ( )
7. Nandi thinks they may be able to relate mackerel abundance to sea surface temperature and phytoplankton around Scotland every summer.	g) Drone orthomosaic and Digital Surface Model (DSM)	7 ( )