

About

# cs2eo.org - accessing combined ESA and NASA altimetry data



**cs2eo.org** is a free, easy-to-use portal that makes it easier and quicker than ever to work with combined **CryoSat** and **ICESat** altimetry data

## The Mission

CryoSat-2 was launched on 8 April 2010. It's the only Earth observation satellite carrying a radar altimeter that measures above 82 degrees north and south, providing a crucial long term record of polar sea ice and land ice thickness, as well as sea level.

In 2020, ESA's ice mission joined forces with NASA's ICESat-2 to form CRYO2ICE, coordinating the satellites' orbits over the poles to give deeper insight into ice thickness and especially snow cover

## Development

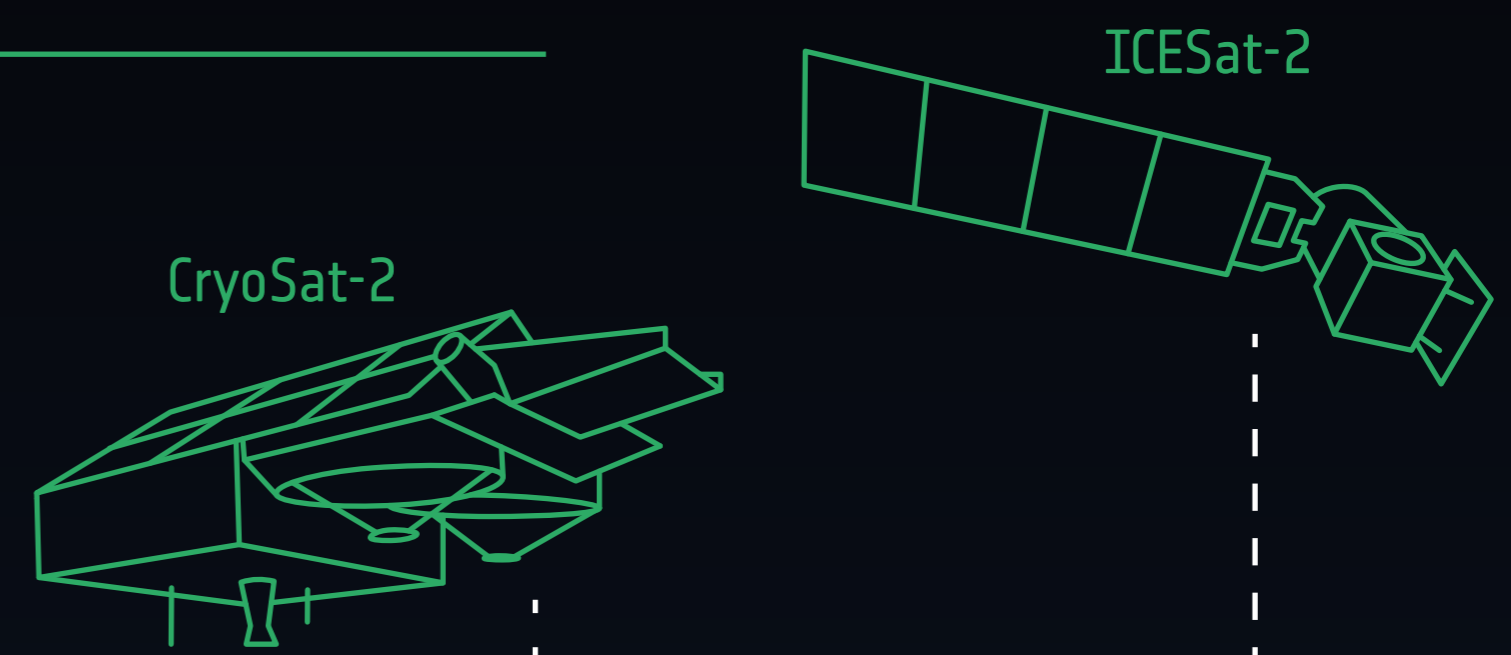
The web based platform was developed by EarthWave, in conjunction with the University of Edinburgh and the European Space Agency

## The Tool

cs2eo.org allows users to easily and quickly combine and download airborne and spaceborne altimetry data from CryoSat-2, ICESat-2, CryoVEx, IceBridge and CryoTEMPO-EOLIS

## Applications

An easily-navigable, user-friendly interface containing a wealth of examples and easy-to-use starter queries brings together three services: [Cryo2ICE.org](#), [CryoVEx.org](#) and [CryoTEMPO.org](#)



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### Cryo2ICE.org

A new feature combines CryoSat-2 and ICESat-2 intersecting data into the same NetCDF files, saving users the trouble and reducing the amount of data to download

### CryoVEx.org

Users can query and download analysis-ready airborne campaign datasets, or intersect them with CryoSat-2, IceSat-2 and NASA's Operation IceBridge data

### CryoTEMPO.org (CryoTEMPO-EOLIS)

The CryoTEMPO-EOLIS products exploit CryoSat's SARIn mode and the novel Swath processing technique to deliver increased spatial and temporal coverage of time-dependent elevation over land ice — a critical metric for tracking ice mass trends