

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

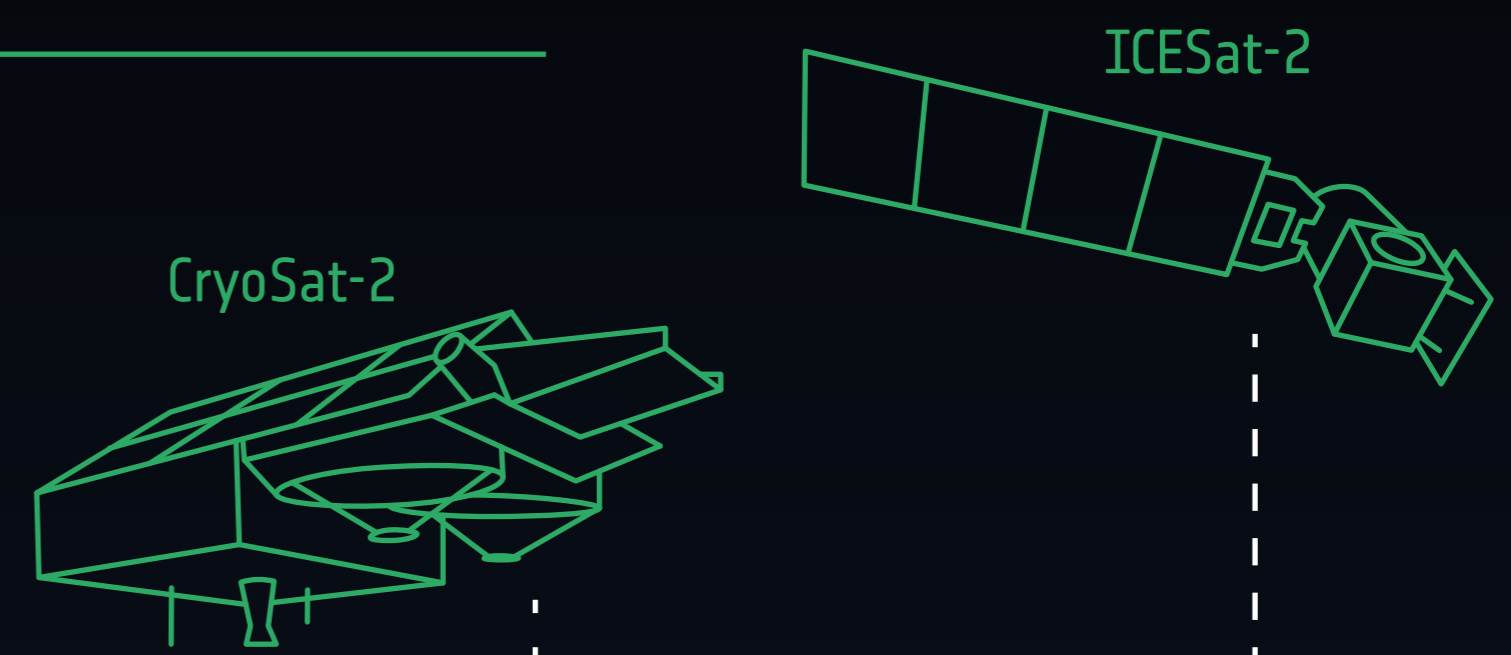
The web based platform was developed by EarthWave, in conjunction with the University of Edinburgh and the European Space Agency

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