

# SENTINEL 1 DATA DOWNLOAD

## PRACTICAL WORK

### Objective

This tutorial is designed to explain how to download Sentinel-1 data on the Sentinel Data Hub.

### Practical Work

To download the data you need first to create a free user account on <https://scihub.esa.int/>

Next, you need to do step 1 to search data and then download each file alone or all your selected data using aria2c free software (more complicated but better for important number of data) as shown in step2:

#### 1. *Step 1 SEARCH and fast download*

1. Login on <https://scihub.esa.int/>
2. Go to search tab
3. Select with rectangle the study area
4. With advanced search you can specify period or in "Product Type" select "GRD" for example.  
Mode details in <https://scihub.esa.int/userguide/>
5. Add files to your cart
6. Download alone each file in your cart or download your cart as "product.meta4" file and go to step 2 to use it with aria2c to download these data.

Click here to see the video

[SentinelDataSearchDownloadCart.mp4](#)

#### 2. Step 2 Download data with aria2c

Official aria2c help <https://gist.github.com/fabricebritto/1113c78ef8157716044a>

1. Download aria2c at
2. Unzip it in simple folder
3. copy your cart file "product.meta4" in aria2c folder
4. Run cmd in start menu
5. Go to aria2c folder



6. run similar command with your sentinel data hub ID and password  
`aria2c --http-user='<your username>' --http-passwd='<your password>'  
--check-certificate=false --max-concurrent-downloads=2 -M products.meta4`

Click here to see the video

[DownloadSentinelCartWithAria2c.mp4](#)

