

How to access Sentinel-1 files:

Datasets and set-up needed for Pierre Louis Frison's practical session.

This exercise uses the following software:

- SNAP (latest version)
- This customised version of QGIS 3.16: [https://gitlab.com/sentinel4all/kit\\_qgis\\_sentinel/-/blob/windows/QGIS\\_Sentinel\\_installer.exe](https://gitlab.com/sentinel4all/kit_qgis_sentinel/-/blob/windows/QGIS_Sentinel_installer.exe).
  - o It should be installed in C:\QGIS\_Sentinel (if the operating system is Windows) and can be installed and run in parallel with other QGIS versions without problems.
  - o

The easiest way to download Sentinel-1 data files is from [ASF Data Search \(alaska.edu\)](#).

- Under the Search Type dropdown menu (upper left corner) choose list search and copy-paste the following, in the large "list of Scene Names" box:

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```
S1B_IW_GRDH_1SDV_20170425T214234_20170425T214302_005323_00953E_F02D  
S1B_IW_GRDH_1SDV_20170706T214238_20170706T214306_006373_00B331_CEE0  
S1B_IW_GRDH_1SDV_20171010T214242_20171010T214310_007773_00DBA7_CE61  
S1B_IW_GRDH_1SDV_20180114T214240_20180114T214308_009173_0106C1_7F29
```

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Note that only the L1 Detected High-Res Dual-Pol (GRD-HD) data is needed, not the XML metadata.

Download the data (easy to do in Google Chrome), by opening the downloads menu in the upper right corner.

These files are very large and may take some time to download.

Place the sentinel-1 datasets (still zipped) in the folder:

"2022\_TAT\_SAR\_Land\_Cover\_PLFrison\_Practical/data/S1/zip"

Now you are ready to follow the PLF\_RoadmapSNAP\_Prague22.pdf guide on processing and analysing data using SNAP, found in the documents and guides folder.