1. Introduction

   This tutorial contains instructions on how to convert LSA SAF (LandSAF) data from Hdf5 to geotif format, open the converted files in QGIS software, and extract information on given (lat, lon) locations.

2. On windows explorer create a new folder tree:

C:/Data
        /scripts
        /H5_Data_PROD (where PROD is LST, FVC, FAPAR,…)
        /Out_Data_PROD (where PROD is LST, FVC, FAPAR,…)
Ex:
C:/Data/H5_Data_LST
C:/Data/H5_Data_FVC
C:/Data/H5_Data_FAPAR
…
<u>And</u>

C:\Data\Out_Data_LST
C:\Data\Out_Data_FVC
C:\Data\Out_Data_FAPAR
…

Copy the files import_data_reproj_*.py and paste it to C:/Data/scripts

Copy the LSA SAF HDF5 files you have (for instance through download from the LSA SAF website) to folder C:/Data/H5_Data_PROD (where PROD can LST, FVC, FAPAR,… according to the product you are working with).

3. On QGIS select the keys ctl+Alt+P to open the python console

4. Convert the LSA SAF hdf5 files to geotiff format
   Go to folder C:/Data/scripts, click on the script import_data_reproj_PROD.py (where PROD is one of the following: LST, FVC, FAPAR) and drag it to QGIS python console. This will make the script to run, converting all LSA SAF hdf5 files within the Data folder to geotiff format, and reprojecting.

5. Open the LSASAF files converted to geotiff in Qgis

   Go to the folder containing the converted geotiff files (C:/Data/Out_Data_Prod), click on the files you want to open in Qgis, which filenames with "_rep" (can be one or any number) and drag it to Qgis.