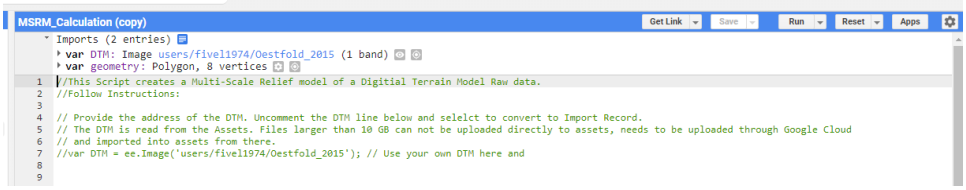
Calculation of Multi-Scale Relief Models of DTM Data in Google Earth Engine

Step 1: Upload the raw DTM data to Assets in GEE editor. Max size is 10 GB per file. If DTM files are larger, then upload through Google Cloud and transfer data to Assets. (See GEE documentation).

Link to GEE Code Editor: [Earth Engine Code Editor (google.com)]

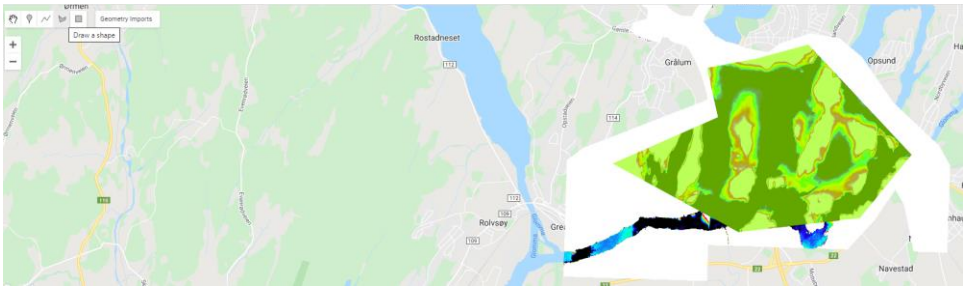
Step 2: Open the MSRM_Calculation javascript in the code editor.

Step 3: Delete the existing Imports shown above the actual script code, if there are any.



Define the raw DTM data from the Assets by uncommenting the line defining it as described and converting it to an Import record.

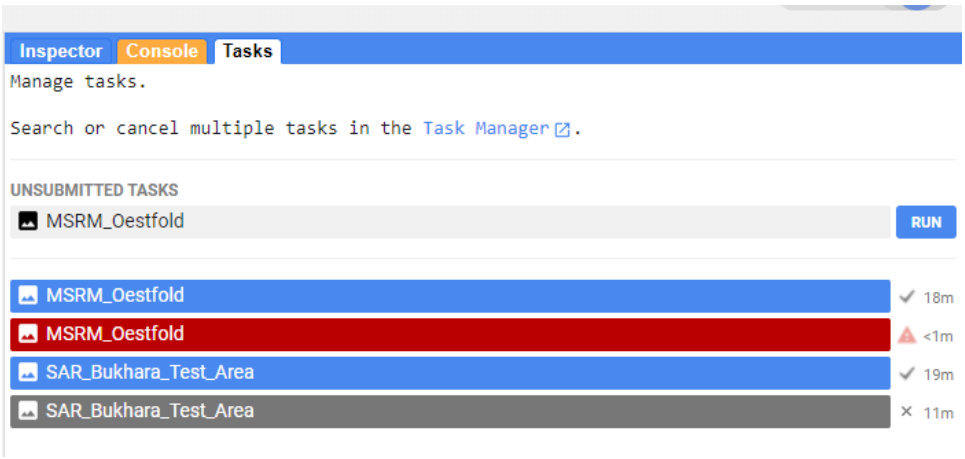
Step 4: After defining the DTM, run the script. It will fail and display the raw DTM raster on the map. (The failure is deliberate). Define the geometry of the MSRM calculation within the boundaries of the raw DTM raster, using the options in the map menu. (Rectangle, polygon etc.).



Step 5: Define the name of the MSRM file to be exported and the export destination at the bottom of the script.

Step 6: Run the script again. The calculated MSRM raster will render on the map on top of the raw DTM raster.

Step 7: Once the script has finished a new task will become available. Select to run the task to export the MSRM raster to the selected export source. (Google Cloud, Google Drive or Assets within GEE)


Inspector
Console
Tasks
Manage tasks.
Search or cancel multiple tasks in the Task Manager.
UNSUBMITTED TASKS
MSRM_Oestfold
RUN
MSRM_Oestfold
18m
MSRM_Oestfold
<1m
SAR_Bukhara_Test_Area
19m
SAR_Bukhara_Test_Area
11m