## Processing of Sentinel Data

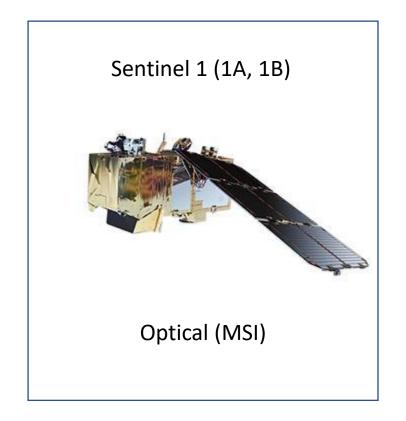


Attila Varga February 11, 2021

**Projekt ID:** 2019-2.1.11-TÉT-2020-00171

# Using Sentinel Data





Free access of Sentinel data: Copernicus Open Access Hub (http://scihub.copernicus.eu)



Presov

Košice

Nyiregyhaza

Debrecen

escsaba

Timisoara

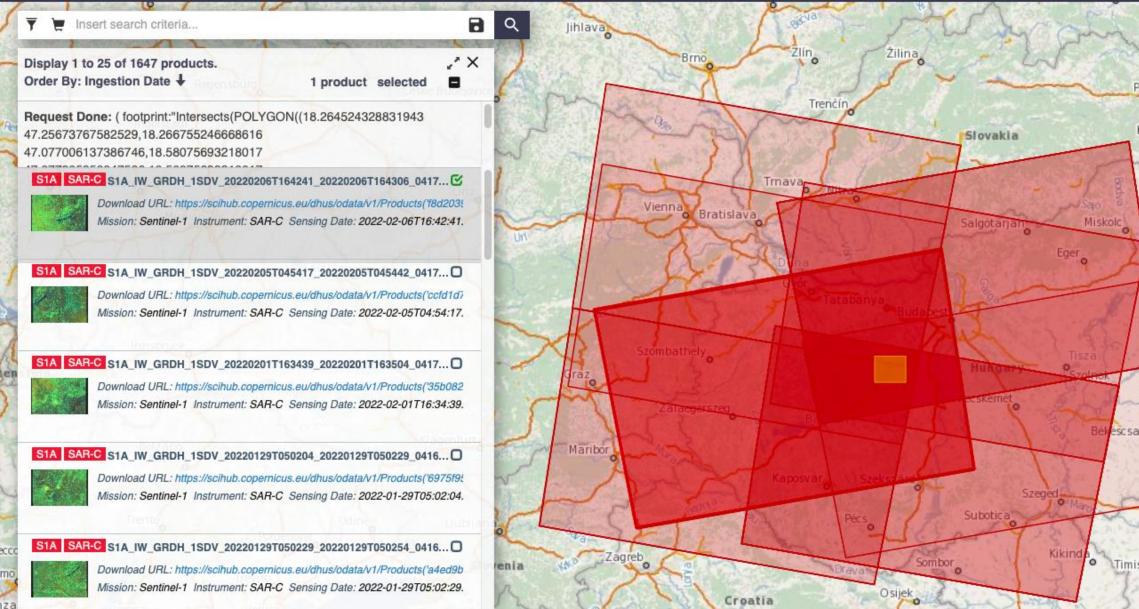
Oradea





#### Copernicus Open Access Hub





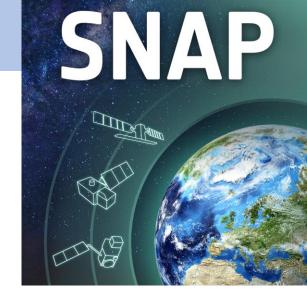
## Processing and Analysis Sentinel Data

Common platform and tools for processing: SNAP (Sentinel Application Platform)

- Fully open-source
- Use of various EO data (not only Sentinel data)
- GUI and command-line
- Java and Python implementation

#### Main functions and tools:

- Raster and vector data tools (for data manipulation)
- Visualisation (masking, colour management, filtering)
- Data analysis (functions for radar and optical data)
- Data processing (reprojection, mosaicking, geometry correction, segmentation)



#### **SNAP Data Flow**

