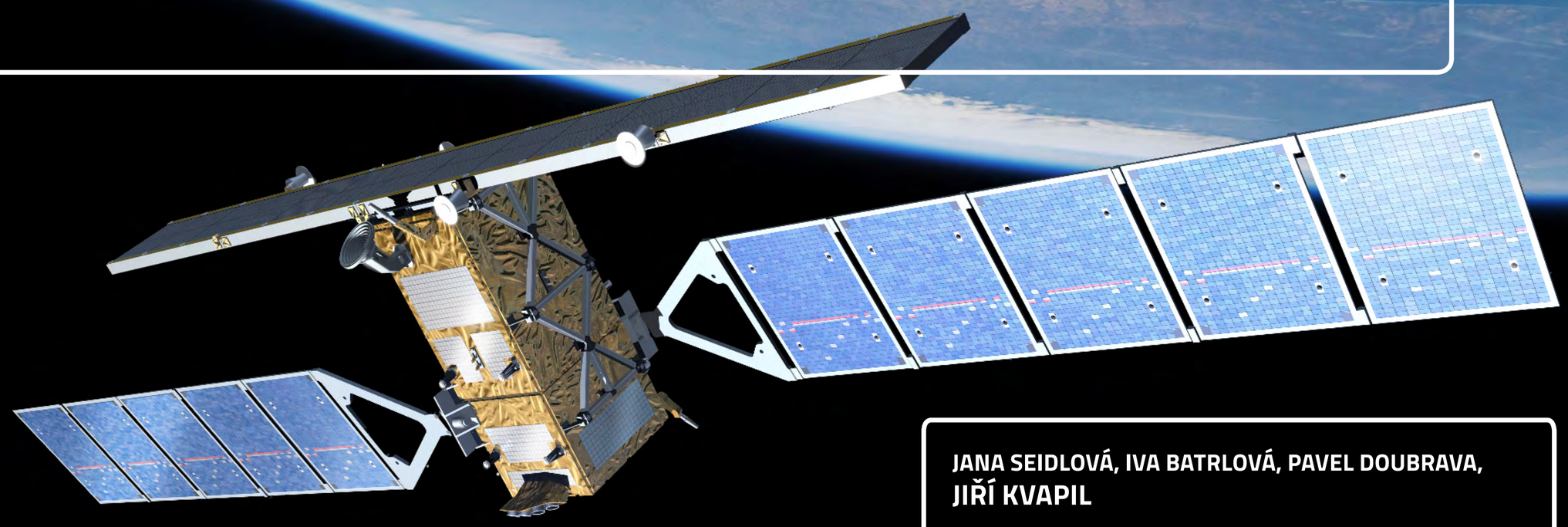
Satellite Data Archive

Seidlová, Jana; Batrlová, Iva; Doubrava, Pavel; Kvapil, Jiří
2020

SATELLITE DATA ARCHIVE



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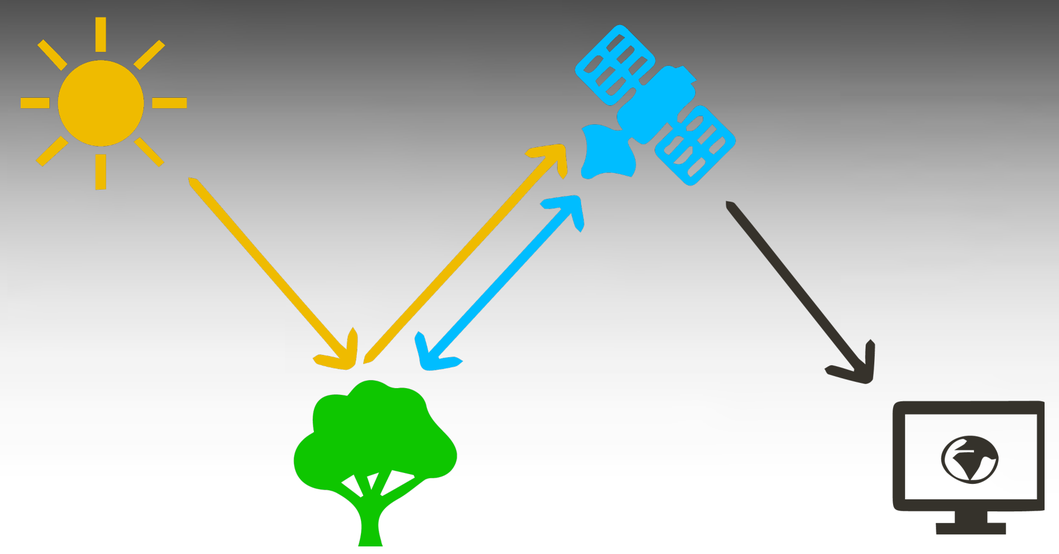
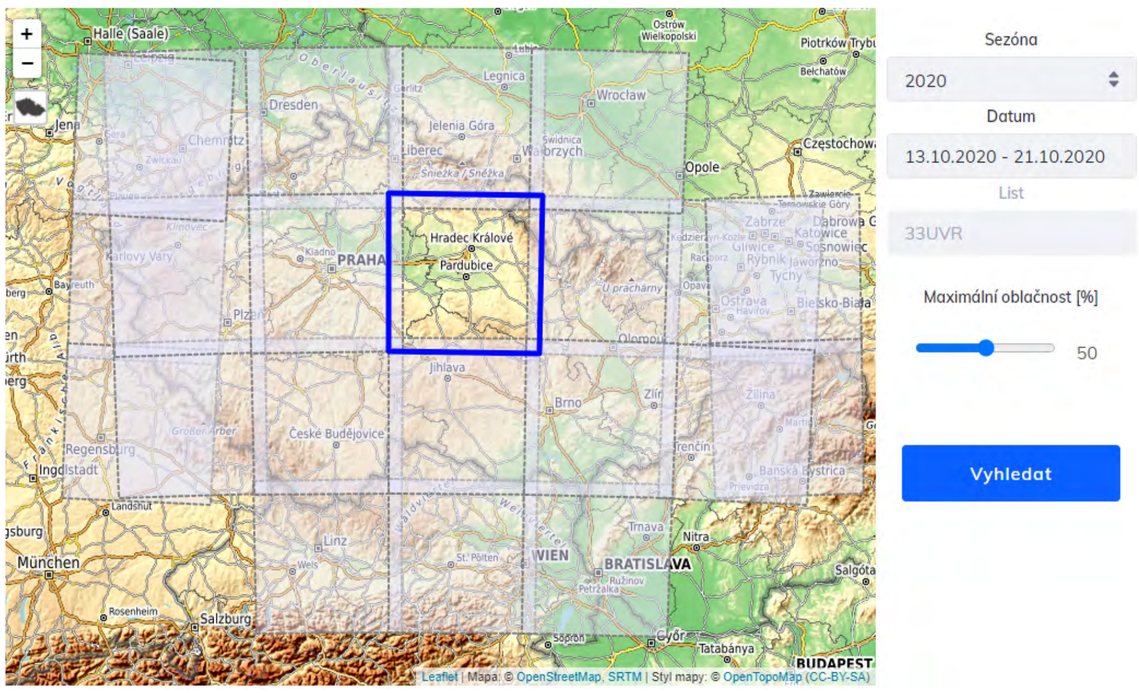
Remote Sensing Laboratory at CENIA has developed and made available to the general public the Satellite Data Archive information system.

The Archive makes Sentinel-2 data available to its users for the territory of Czechia from 2016 to the present day, always during the growing season from 1st April to 31st October. The same area is spotted about once every three days. Scenes recorded during the previous day are continuously added as well as the products made from them.

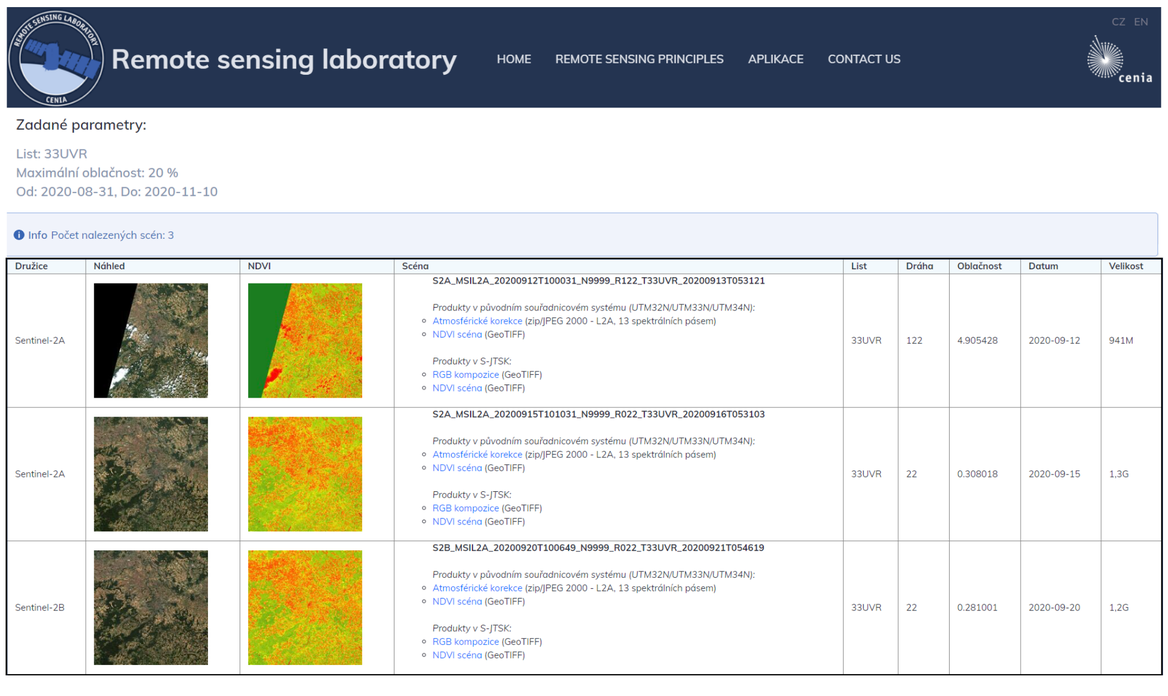




Images are available after calculating atmospheric corrections at the L2A processing level and also several products are derived from them, generated by the Archive software. The raster data layers in the Archive are provided in GeoTIFF format. Normalized difference vegetation index (NDVI) scenes are offered in the original coordinate system (UTM33N). RGB scenes in the S-JTSK coordinate system are also available for visual interpretation or temporal analysis of territory development without the need for any specialized software.

The Satellite Data Archive makes remote-sensing data available to experts as well as the broadest public without the requirement of knowing how to work with spatial data or owning a specialized software, the RGB "picture" can be opened in any graphic software making it possible to see how the territory of interest changes in time.
The archive will grow in the near future to make data available for other satellite missions such as Sentinel-1 and Landsat satellites.

The application is available on the website of the Remote Sensing Laboratory at https://dpz.cenia.cz/archiv.



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