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## **Sen2-Agri: Deployment of National Sentinel-2 product’s distribution Center in Ukraine**

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During last years big amount of high resolution satellite data became available of free of charge basis [1]. This caused start of new period of Earth Observations related to computationally intensive processing and network transferring of big amounts of satellite data [2].

Sentinel-2 mission launched in 2015 by ESA is a source of high spatial and temporal resolution satellite imagery for solving satellite agromonitoring tasks [3]. With launch of Sentinel-2 problem of dealing with all of data requests from users with one center of satellite data and products distribution become even more crucial (ex. coverage for the territory of Ukraine for one year with Sentinel-2 data is ~15Tb vs 0.5 Tb with Landsat-8 data).

Sentinel-2 demonstarion phase will allow to estimate efficiency of National distribution centers deployment for creation and distribution to end users Sentinel-2 products.

Sen2-Agri system is intended for creation such Sentinel-2 products as atmospheric correction (SR), cloud-free composites, land cover maps and cropland maps, biophysical products maps for all the territory of Ukraine etc. in automated way and further dissimination.

The quality of Sentinel products, their suitability for the territory of Ukraine, the personnel and facilities required to run the Sen2-Agri system and creation of Sen-2 Agri products (crop type maps and LAI) will be analysed.

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