

## Mission Status Report 146

Reference Period: 15 Dec 2018 - 04 Jan 2019

### Mission Status

## sentinel-2

### → COLOUR VISION FOR COPERNICUS

- The Sentinel-2 mission is performing global and systematic acquisitions with 5-day revisit.
- The Sentinel-2 acquisition plans are published at:  
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- The observation scenario has been executed with an average MSI sensing time per orbit of 13.6 minutes for Sentinel-2A and 15.7 minutes for Sentinel-2B.
- Level-2A operational production is available worldwide since 13<sup>th</sup> of December 2018, and over the Euro-Mediterranean region since 26 of March 2018. Level-2A products are available on the Copernicus Open Access Hub, the Copernicus Services Data Hub and the Collaborative Data Hub.
- The routine production of Level-1C top-of-atmosphere products is available in all the Data Hubs.
- The latest data quality information is available in two reports, one for [L1C products](#) and one for [L2A products](#).
- To date, a total of 204,582 users have self-registered on the Copernicus Open Access Hub.
- About 7.93 million products are available for download, cumulating a total volume of 4.1 Petabytes. Overall, a total volume of 37.15 Petabytes has been downloaded by the user communities from the Copernicus Open Access Hub, the Copernicus Services Data Hub, the Collaborative Data Hub and the International Hub.
- The space segment, with Sentinel-2A and -2B satellites, is in a stable and nominal state.
- The European Data Relay System (EDRS) service is being used operationally for both Sentinel-2A and Sentinel-2B.
- The Payload Data Ground Segment (PDGS) is operating nominally through its different operational services, i.e. Core Ground Stations (CGS), Processing and Archiving Centres (PAC), Mission Performance Centre (MPC), Precise Orbit Determination (POD), Payload Data Management Centre (PDMC), Wide Area Network (WAN) and Data Access Hubs.
- Article "Meet an expert user of Copernicus Sentinel-2 data for human settlement mapping" published and available [here](#).
- Article "Tackling drought issues for food security" available [here](#).
- Article " Harnessing artificial intelligence for sustainability goals" available [here](#).
- Article "Zooming in on Mexico's landscape" available [here](#).
- The following five DIAS platforms started operations on 21 June 2018: <https://mundiwebservices.com/>, <https://sobloo.eu/>, <https://www.onda-dias.eu/> , <https://creodias.eu/> and <https://www.wekeo.eu/> .

### Outlook

- Completion of the conversion of the archive into single-tile format by Q1 2019.