

## sentinel-2

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### Mission Status Report 128

Reference Period: 31Mar-13 Apr 2018

#### Mission Status

- The Sentinel-2 mission is performing global and systematic acquisitions with 5-day revisit.
- The Sentinel-2 acquisition scenario is published at:  
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 19.9 minutes for Sentinel-2A and 20.4 minutes for Sentinel-2B.
  
- Level-2A operational production is available over Euro-Mediterranean region since 26<sup>th</sup> of March 2018). Level-2A products are available on the Copernicus Open Access Hub and the Copernicus Services Data Hub. More details are available on this [link](#).
- The routine production of Level-1C top-of-atmosphere products is available in all the Data Hubs.
- To date, a total of 142,858 users have self-registered on the Copernicus Open Access Hub.
- About 3.6 millions products are available for download, cumulating a total volume of 1.86 Petabytes. Overall, a total volume of 17.06 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 latest data quality report is published at:  
<https://sentinels.copernicus.eu/webde/sentinel/missions/sentinel-2/data-quality-report>
- A new version of the Sentinel-2A spectral response functions was released. These updated Sentinel-2A spectral responses are mainly changing the responses for bands B01, B02 and B08, and they correct inaccurate spectral responses provided previously. The new spectral response functions are applicable since the beginning of the mission, and the Level-1 ground processing started using them on 15 January 2018.
- Land Products Validation and Evolution (LPVE) workshop was held from 27 February to 01 March 2018 at ESA/ESRIN in Frascati (Italy). Presentations will be made available at:  
<https://nikal.eventsair.com/QuickEventWebsitePortal/lpve-conference-2018/esa-conference>
- ESA organised the 2nd Mapping Water Bodies from Space Conference from 27 to 28 March at ESA/ESRIN. Presentations and further information are available at: <http://mwbs2018.esa.int/>
  
- The Flight Operations Segment (FOS), ensuring the monitoring, control and commanding of the satellites, is operating nominally.
- 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) and Wide Area Network (WAN).
- X-band data acquisitions are routinely performed by the PDGS over Matera, Maspalomas and Svalbard core stations. The acquired data is systematically processed to Level-0 and Level-1 products, circulated, and archived.
- The European Data Relay System (EDRS) service is being used operationally for both Sentinel-2A and Sentinel-2B.
- Level-2A operational production over Euro-Mediterranean region started as planned on the 26<sup>th</sup> of March 2018).

#### Outlook

- Sentinel-2 Constellation Mission Operations Review on 27 June 2018.
- Start of Level-2A global operational production by mid-2018.