



Mission Status Report 183

Reference Period: April 2022

sentinel-2

→ COLOUR VISION FOR COPERNICUS

Mission Status

- The mission is sensing systematically all land and water areas indicated [here](#), and the detailed mission acquisition plans are regularly published [here](#).
- An ad-hoc acquisition campaign was performed till March 2022 an extended coverage of the Seychelles for supporting scientific studies aiming at better estimating the carbon stock in seagrass soils.
- Level-1C (top-of-atmosphere reflectance) and Level-2A (surface reflectance) products are available on [Copernicus Open Access Hub](#) and on [Data and Information Access Service \(DIAS\) platforms](#).
- Information on data quality is available in two reports, one for [L1C products](#) and one for [L2A products](#).
- A set of major Level-1C and Level-2A products upgrades is available since [25 January](#).
- With this upgrade, Level-2A products have become compliant to [CEOS ARD](#) (Analysis Ready Data).
- Sen2Cor Level-2A processor version 2.10, supporting the latest processing baseline, was distributed as described [here](#).
- A major milestone in the Ground Segment transformation was achieved on 28 April 2022, with the transfer to operations of the new Sentinel-2 production services. The systematic production operations for Sentinel-2A and Sentinel-2B will be taken over on 28 April 2022, by ATOS and Cap Gemini Italy, from Thales Alenia Space, who have successfully ensured this service since 2015.
- As a consequence of a Copernicus Sentinel-2A collision avoidance manoeuvre executed on 30 April, some acquired data have been lost and several products have not been generated.
- Some Data Hub anomalies and outages impacted the availability of the data access during the period. Please refer to the [news](#) page for the list of the single events.
- The following articles related to Sentinel-2 were published during the reporting period:
 - [Dwindling water levels of Lake Powell seen from space](#)
 - [Key findings from the European State of the Climate Report](#)
- Sentinel-2 videos and images have been published and are available [here](#).
- In 2021, Sentinel-2 remained as the top European mission in terms of scientific peer-reviewed publications (1703 during 2021) and data volume distributed to users.

Outlook

- Expansion of the observation scenario according to the recently approved [HLOP \(Sentinel High Level Operations Plan\)](#). Main changes concern the acquisition of all small islands/atolls and the extended coverage of the Sargassum Sea.
- Provision Sentinel-2 Collection 1 (including both Level-1C and Level-2A products) after the re-processing of the complete data archive.