



Sentinel-2 mission status

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The SENTINEL-2 mission is the European Multispectral Imaging Mission for the Copernicus joint initiative of the European Commission (EC) and the European Space Agency (ESA). The SENTINEL-2 mission includes 13-spectral band multispectral optical imager with different resolution (down to 10 m) and a swath width of 290km. It provides very short revisit times and rapid product delivery. The mission is composed of a constellation of two satellite units, SENTINEL-2A and SENTINEL-2B, sharing the same orbital plane and featuring a short repeat cycle of 5 days at the equator optimized to mitigate the impact of clouds for science and applications. SENTINEL-2 enables exploitation for a variety of land and coastal applications such as agriculture, forestry, land cover and land cover change, urban mapping, emergency, as well as inland water, ice, glaciers and also coastal zone and closed seas applications. Following the launch of the Sentinel-2A in June 2015 and successful operations and data delivery since December 2015, the Sentinel-2B satellite is set for launch in March 2017. The full operation capacity is foreseen after the in-orbit commissioning phase of the Sentinel-2B unit in early summer 2017. The objective of the talk is to provide information about the mission status, and the way to achieve full operational capacity with 2 satellites.