## Sentinel Vision SED-776 04 December 2020 2D Layerstack

## Ostia, from antique seaport of Rome to inland archaeological site

Sentinel-1 CSAR IW acquired on 05 October 2019 at 17:05:05 UTC Sentinel-1 CSAR IW acquired on 05 October 2019 at 17:05:30 UTC Sentinel-2 MSI acquired on 06 November 2020 at 10:02:19 UTC

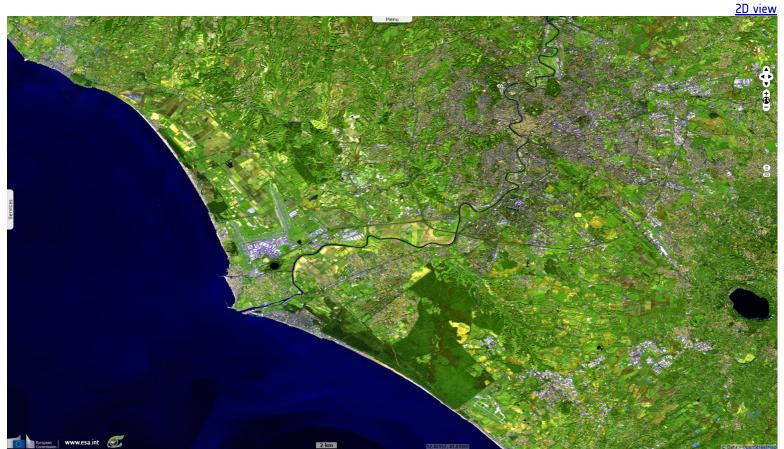
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Keyword(s): Coastal, urban, hydrology, siltation, sediment, flood, Italy

Fig. 1 - S1 (05.10.2019) - Ostia Antica is a large archaeological site, close to the modern town of Ostia, that is the location of the sea harbour city of ancient Rome, 25km SW of Rome.

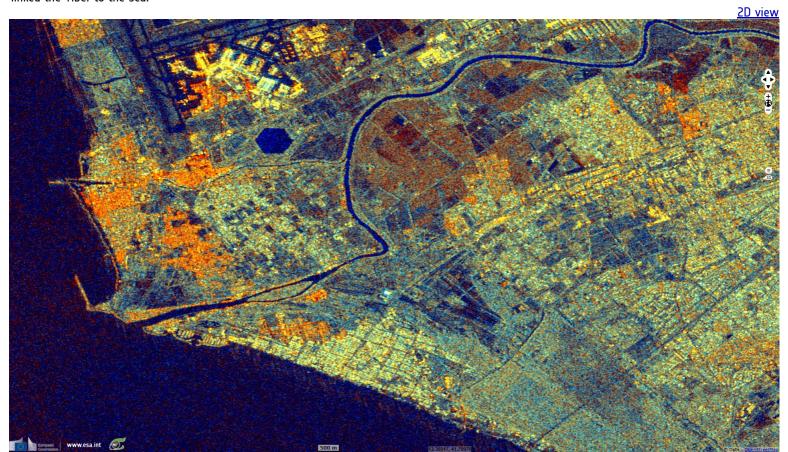


Fig. 2 - S2 (06.11.2020) - At the mouth of the River Tiber, Ostia (latin for "mouth") was Rome's seaport, but due to silting the site now lies 3km from the sea.



A flood altered the course of the Tiber, shortening the loop it formed upstream from Ostia, and eroded a northern part of the site.

Fig. 3 - S1 (05.10.2019) - Lying between Ostia and Fiumicino, Isola Sacra is an artificial island created by Emperor Trajan by creating a canal that linked the Tiber to the sea.



The city was finally abandoned in the 9th century due to the repeated invasions and sackings by Arab pirates.

Fig. 4 - S2 (06.11.2020) - The antique city was rediscovered in the middle of the 20th century, unexcavated areas have still been found in 2014.



The site is noted for the excellent preservation of its ancient buildings, magnificent frescoes and impressive mosaics.

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