



Bocage landscape in Normandy, France

Sentinel-2 MSI acquired on **18 November 2018** at 11:13:39 UTC

Sentinel-1 CSAR IW acquired on **19 March 2019** from 06:15:29 to 06:15:54 UTC

...

Sentinel-1 CSAR IW acquired on **08 April 2019** from 17:56:37 to 17:57:02 UTC

Author(s): Sentinel Vision team, VisioTerra, France - svp@visioterra.fr

Keyword(s): Land, agriculture, erosion, biodiversity, France

[3D Layerstack](#)

Fig. 1 - S2 (18.11.2018) - This optical view acquired in November highlights the hedges owing to the shadow they cast.

[2D view](#)



Typical landscape of Normandy, the bocage hedgerows are renown as the 1st inland combat field of the allied soldiers after the Normandy landings.

Fig. 2 - S1 (19, 25 & 31.03.2019) - While hedgerows make mechanised work more difficult, they protect biodiversity and limit soil erosion.

[2D view](#)

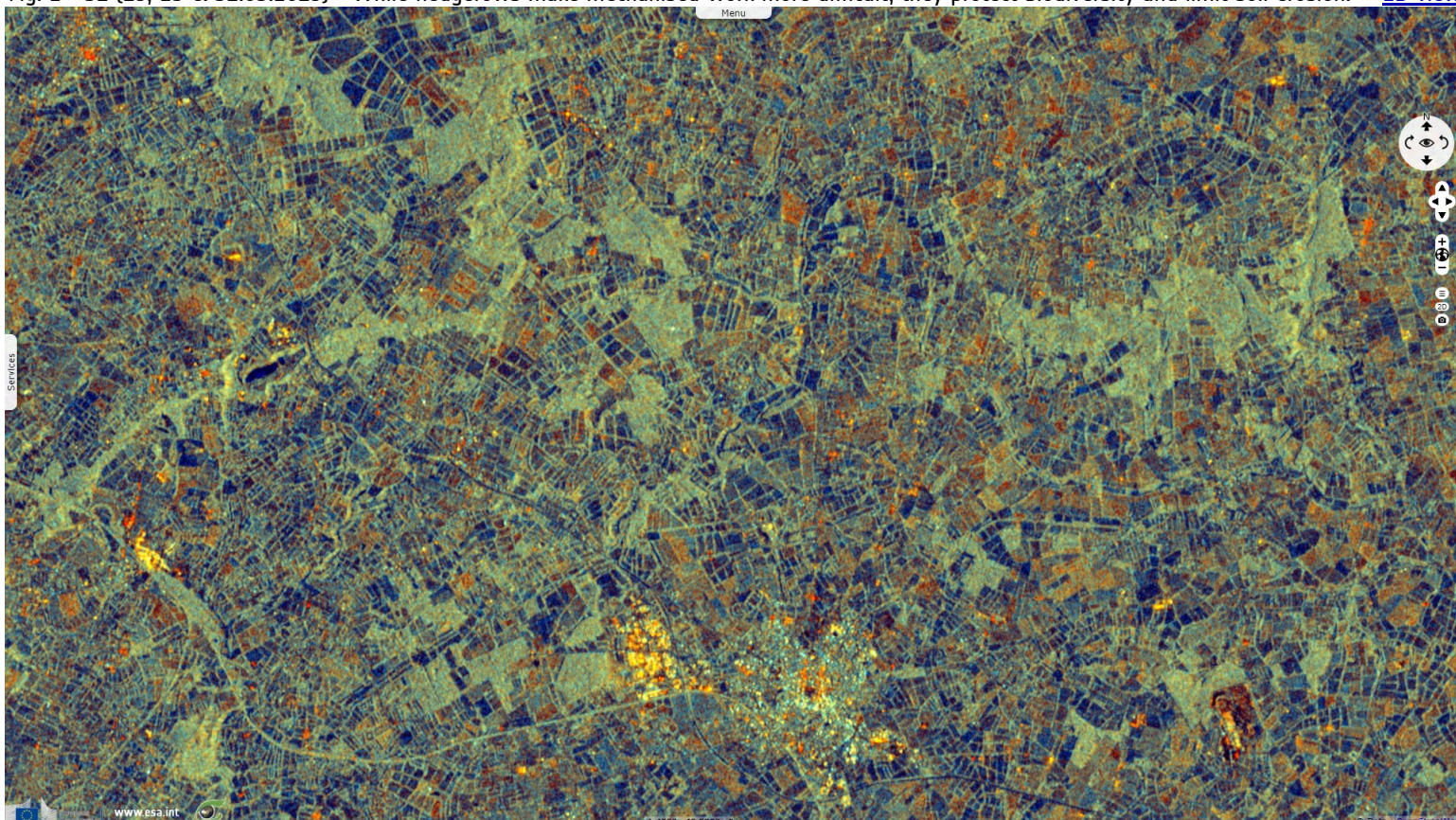


Fig. 3 - 26.03.2019-08.04.2019 - Radar descending views are more sensitive to SW-NE facing hedges, ascending views to NW-SE hedges. [2D view](#)

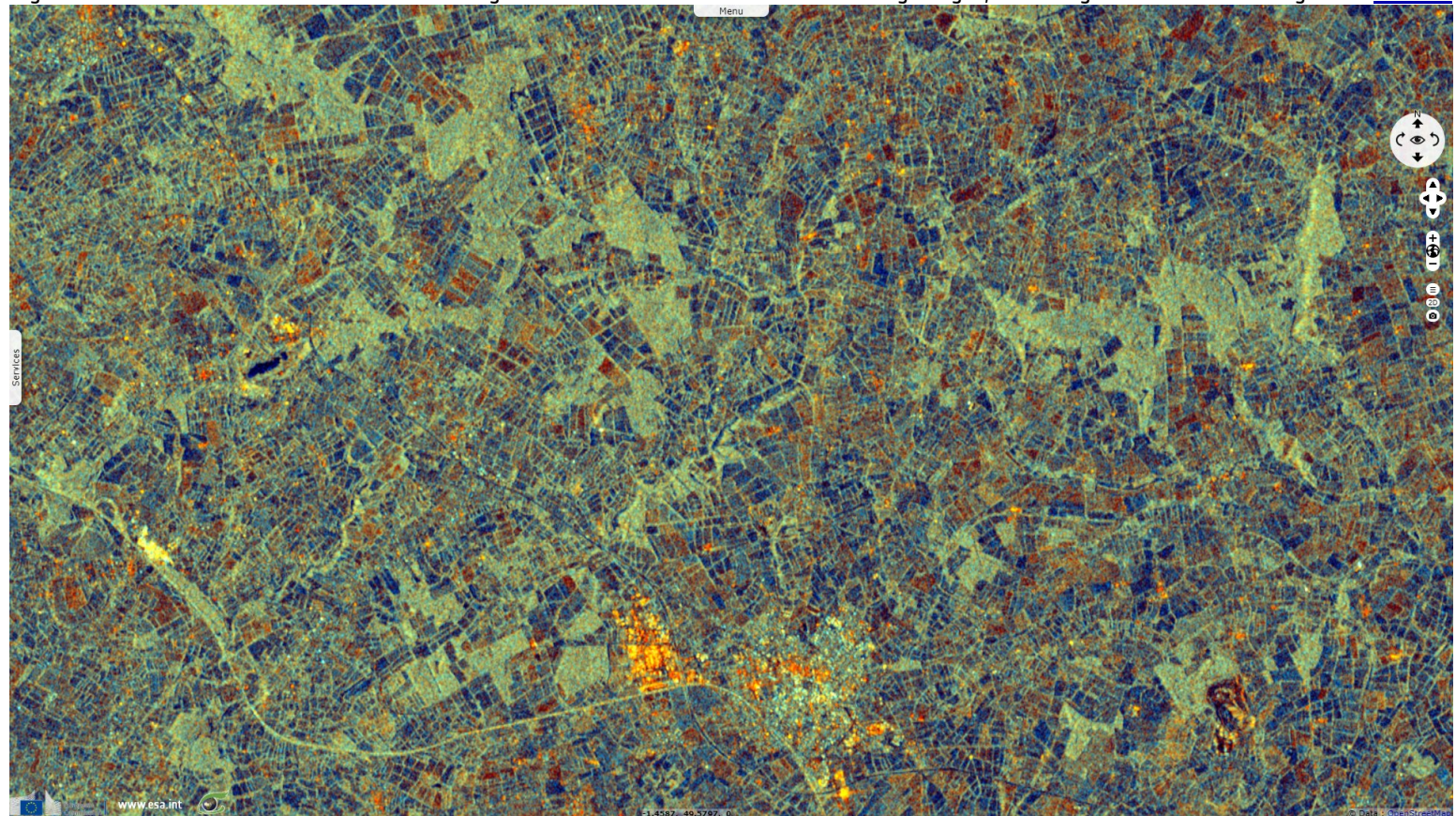
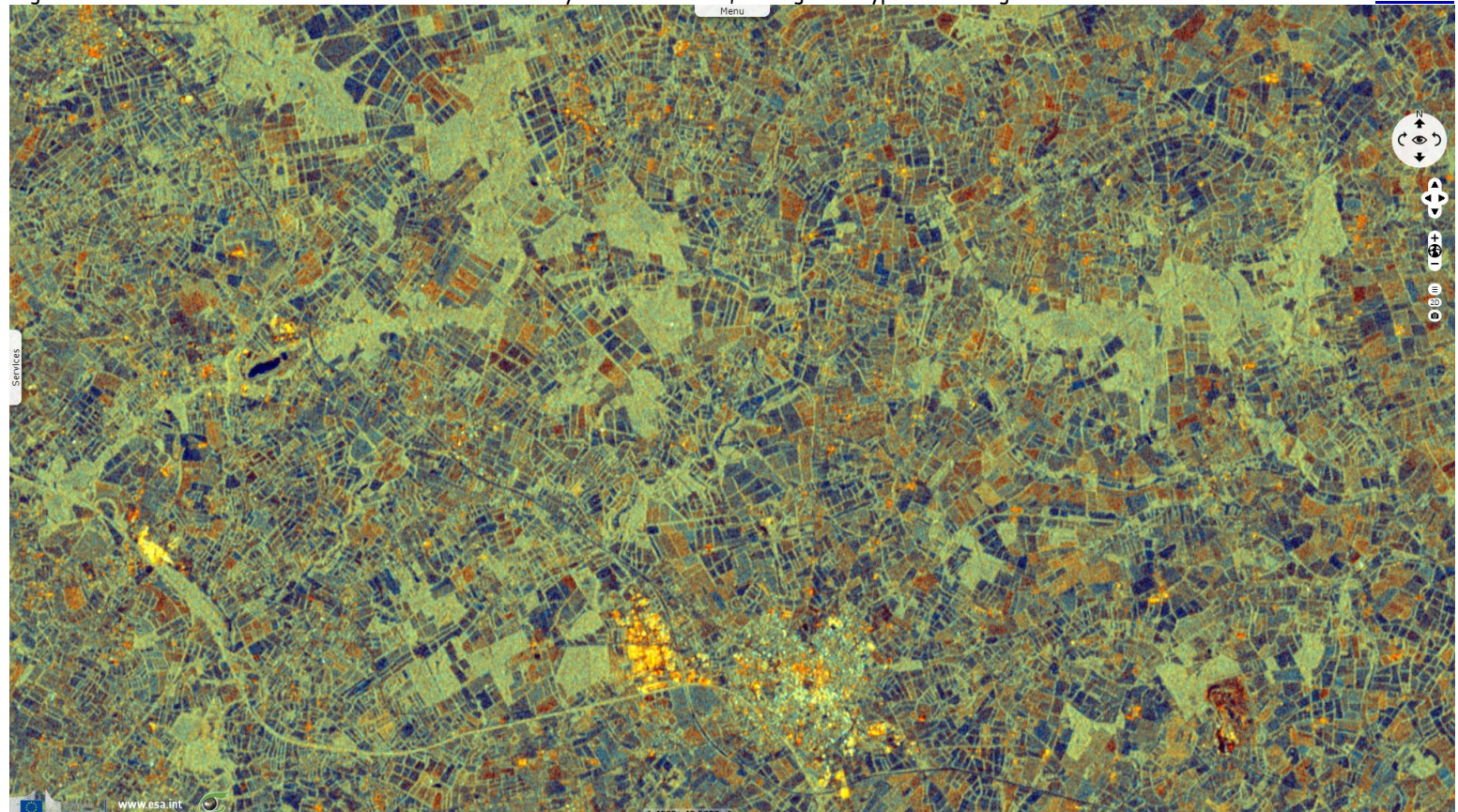














Fig. 4 - 19.03-08.04.2019 - With Sentinel Vision on-the-fly orthorectification, mixing both type of orbits gives the best of both worlds. [2D view](#)



*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
Contains modified Copernicus Sentinel data 2020, processed by VisioTerra.*

| | | | | | | | |
|------------------------------------|---|---|---|--|------------------------------------|-----------------------------------|--------------------------------|
| More on European Commission space: |  |  |  | | | | |
| More on ESA: |  |  |  | S-1 website | S-2 website | S-3 website | |
| More on Copernicus program: |  |  |  | SciHub portal | Cophub portal | Inthub portal | Colhub portal |
| More on VisioTerra: |  |  |  | Sentinel Vision Portal | Envisat+ERS portal | Swarm+GOCE portal | CryoSat portal |