

# Flooding hits North Korea

Sentinel-1 CSAR IW acquired on 12 August 2018 at 21:30:58 UTC  
Sentinel-1 CSAR IW acquired on 24 August 2018 at 21:30:58 UTC  
Sentinel-2 MSI acquired on 31 August 2018 at 02:15:59 UTC  
Sentinel-1 CSAR IW acquired on 05 September 2018 at 21:30:59 UTC

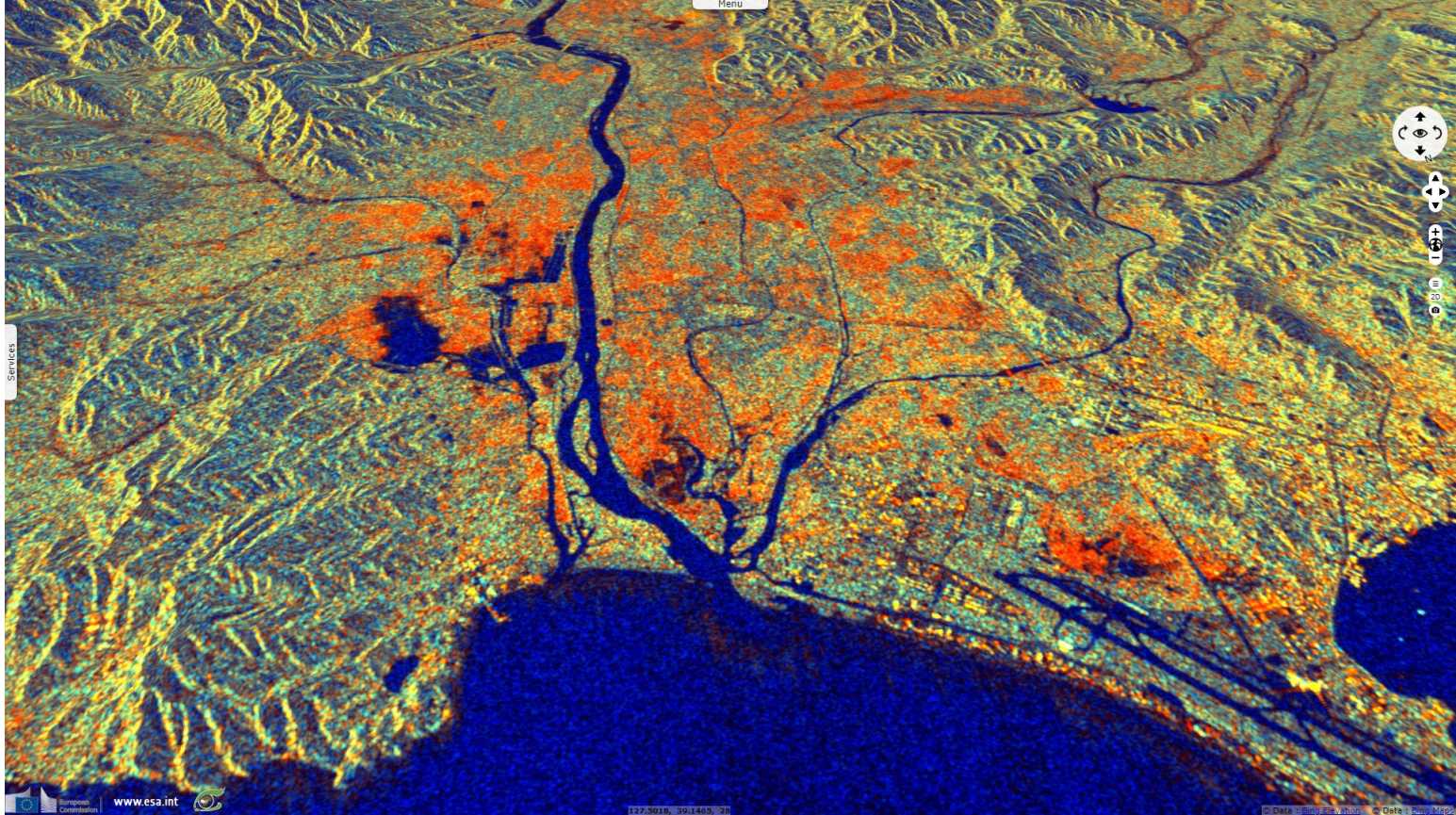
Author(s): Sentinel Vision team, VisioTerra, France - [svp@visioterra.fr](mailto:svp@visioterra.fr)

Keyword(s): Atmosphere, hydrology, climate, land, rain, precipitations, river, flooding.



[2D Layerstack](#)

Fig. 1 - S1 (24.08.2018) - vv,vh,ndi(vh,vv) colour composite - Floods in Wŏnsan, ~5th biggest city in North Korea. [2D animation](#) [3D animation](#) [3D view](#)



After a prolonged heatwave had hit the Korean Peninsula in July (killing millions of livestock & damaging crops), severe rainfalls flooded North Korea.

Fig. 2 - S1 (24.08.2018) - Large flooding in low lying cropland west of the Bay. [3D animation](#) [2D animation](#) [3D view](#)

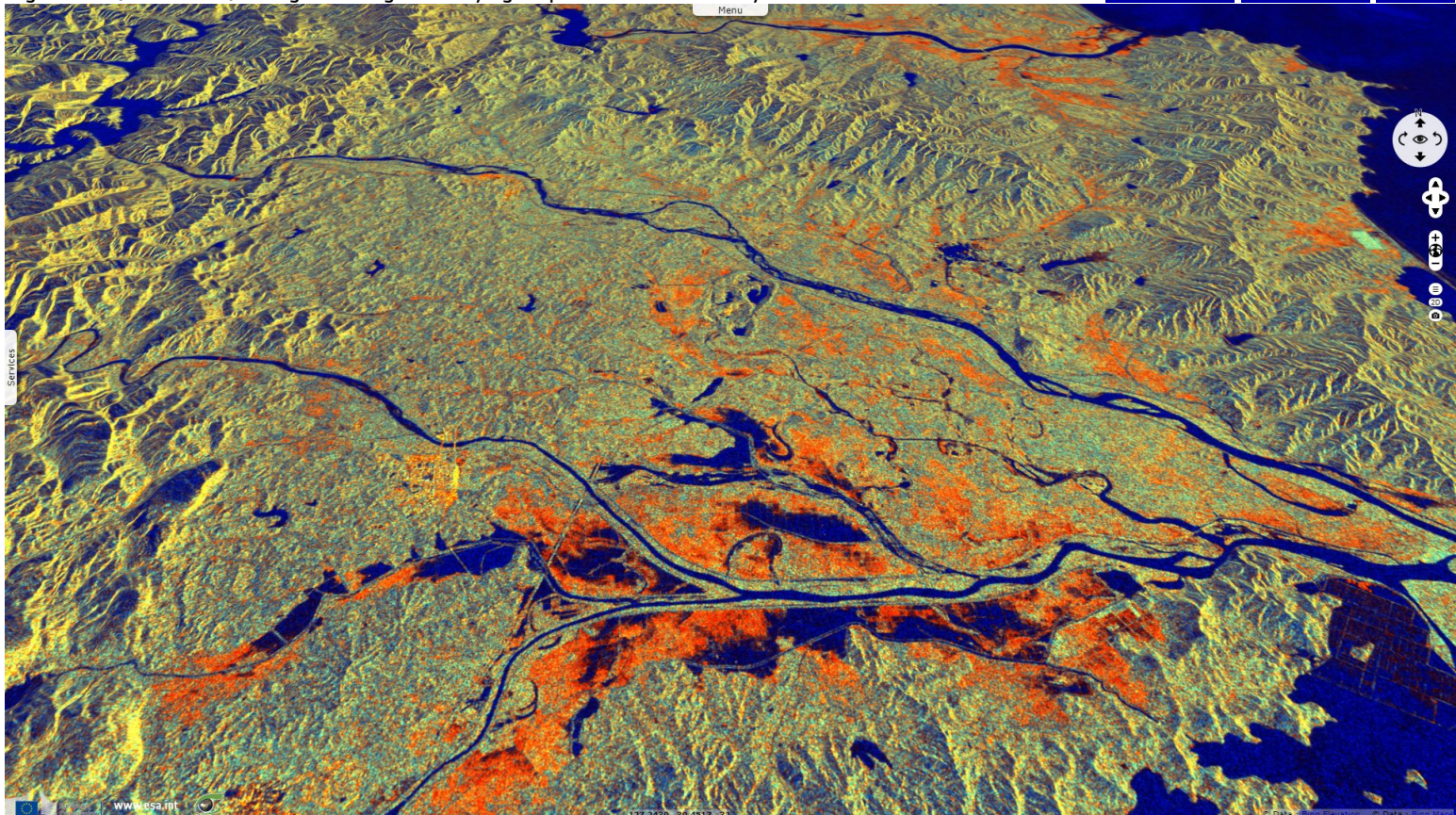
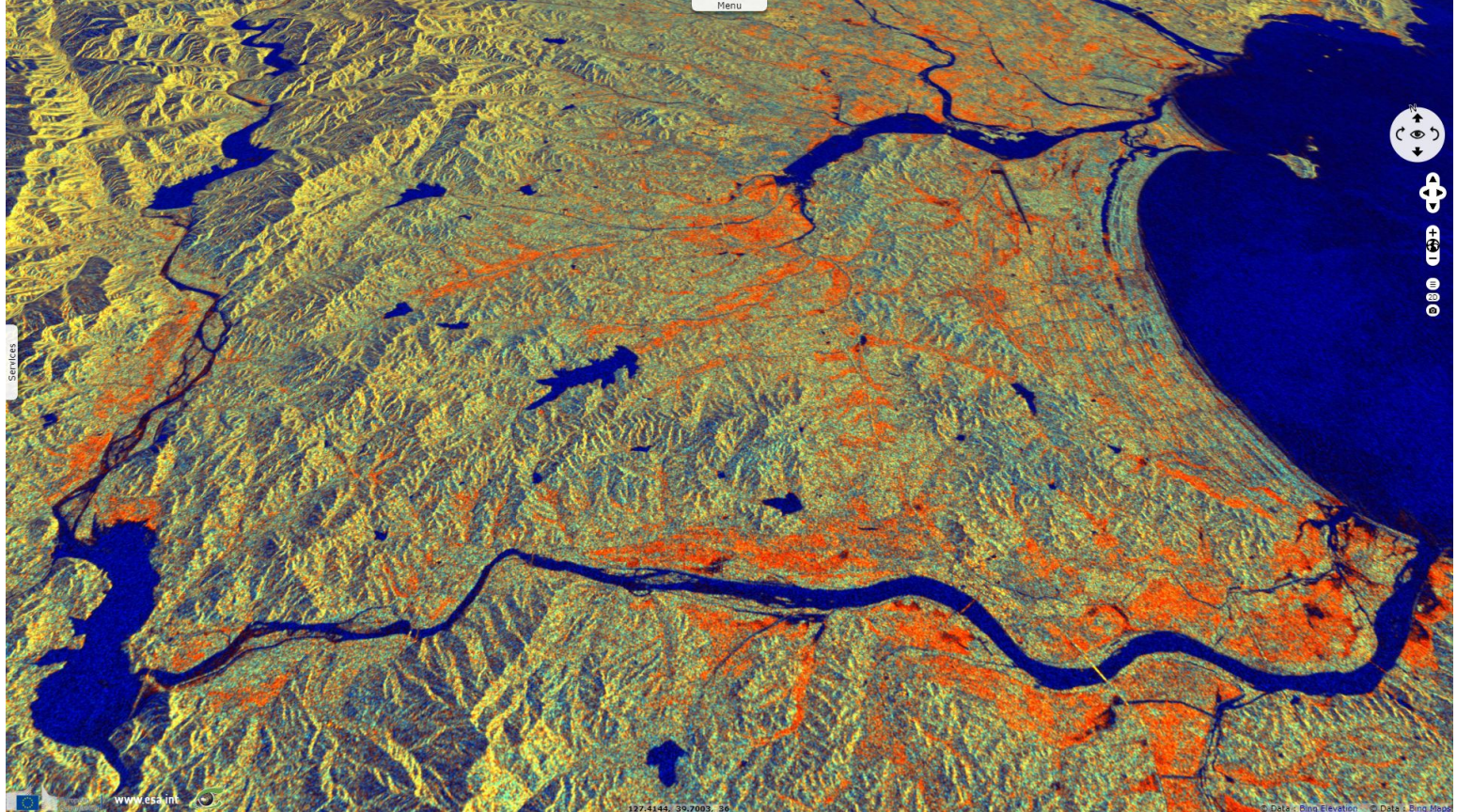


Fig. 3 - S2 (31.08.2018) - 11,8,2 colour composite - A week later, land's still soaked but most water cover's gone [3D animation](#) [2D animation](#) [3D view](#)



Fig. 4 - S1 (24.08.2018) - Rivers flooded their bed near Hamhung, North Korea's 2nd largest city. [3D animation](#) [2D animation](#) [3D 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.*

|                                    |  |  |  |  |                                    |                                   |                                |                |
|------------------------------------|--|--|--|--|------------------------------------|-----------------------------------|--------------------------------|----------------|
| More on European Commission space: |  |  |  |  |                                    |                                   |                                |                |
| More on ESA:                       |  |  |  | <a href="#">S-1 website</a>            | <a href="#">S-2 website</a>        | <a href="#">S-3 website</a>       |                                |                |
| More on Copernicus program:        |  |  |  | <a href="#">SciHub portal</a>          | <a href="#">Cophub portal</a>      | <a href="#">Inthub portal</a>     | <a href="#">Colhub portal</a>  |                |
| More on VisioTerra:                |  |  |  | <a href="#">Sentinel Vision Portal</a> | <a href="#">Envisat+ERS portal</a> | <a href="#">Swarm+GOCE portal</a> | <a href="#">CryoSat portal</a> | Proba-V portal |