

# Portugal and Spain flooding

Sentinel-1 CSAR IW acquired on 01, 02, 03 and 04 December 2022  
Sentinel-1 CSAR IW acquired on 13, 14, 15 and 16 December 2022

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

Keyword(s): Emergency, flooding, hydrology, Spain, Portugal, Storm



[2D Layerstack](#)

Fig. 1 - S1 (02 & 13 December 2022) - Storm Efraín brought flooding to parts of Portugal and Spain on 13 December 2022.

[2D view](#)

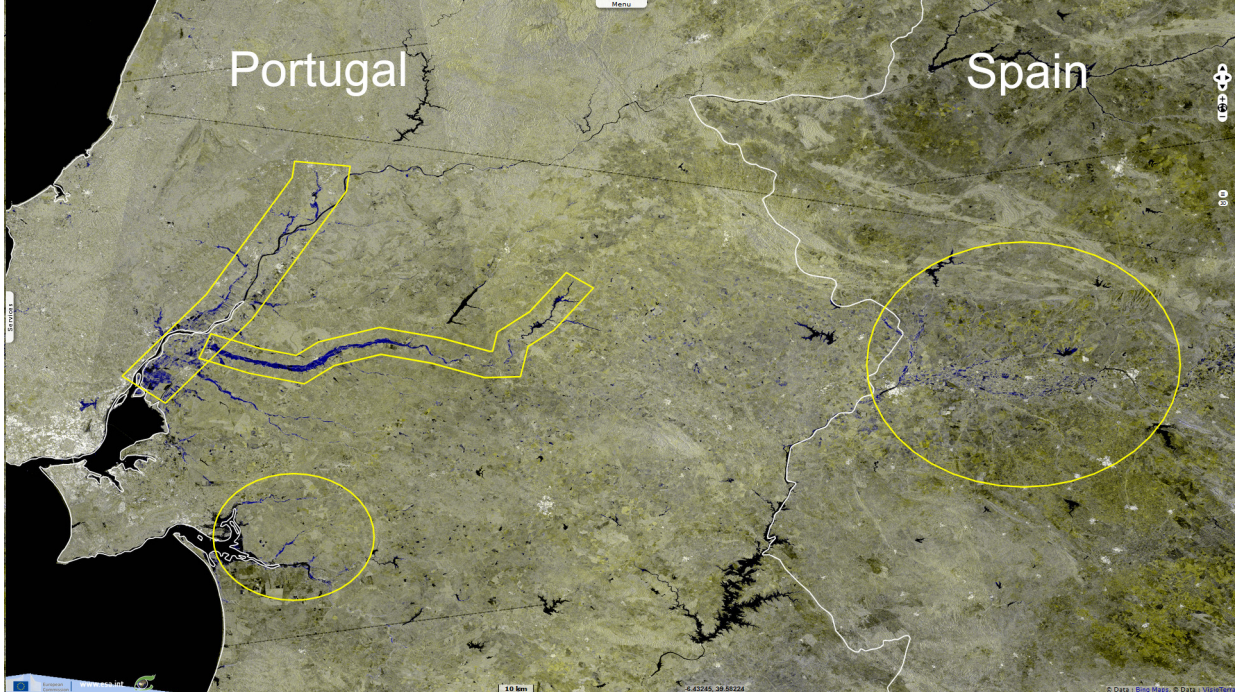
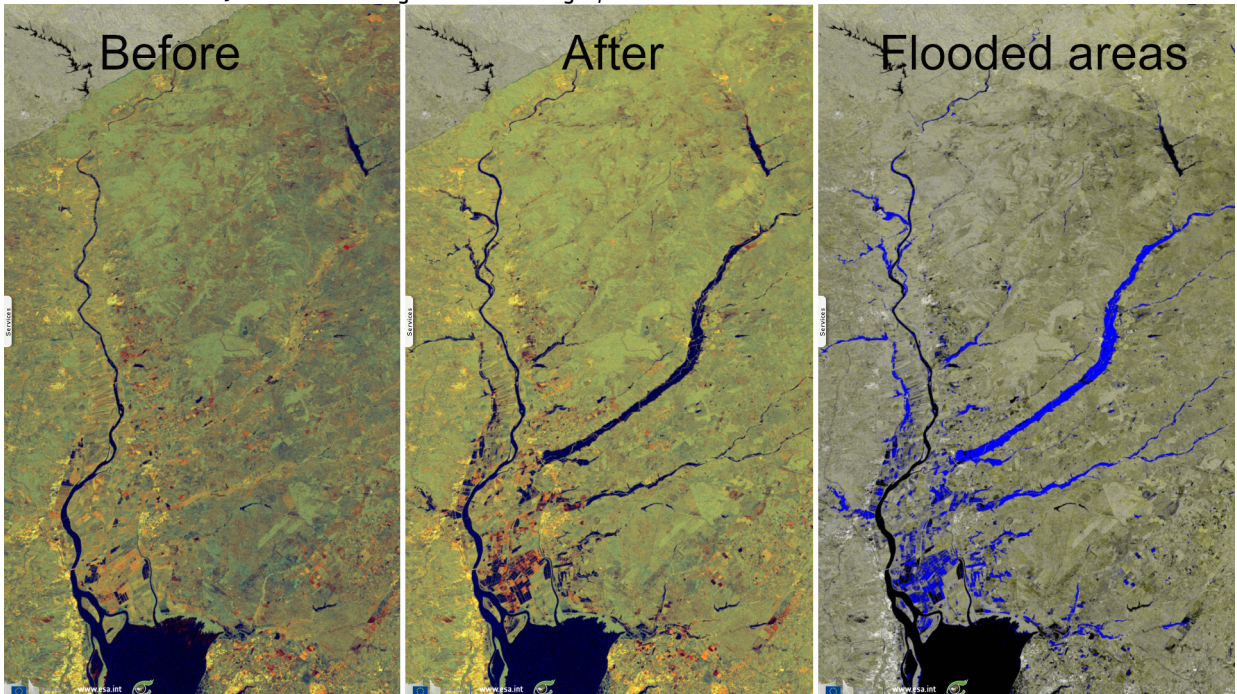


Fig. 2 - S1 (02 & 13 December 2022) - Lisbon flooding occurred overnight, 12 to 13 December 2022.

[3D animation](#)



*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 2022, processed by VisioTerra.*

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>