

Eyes in the sky: tracking air pollution with satellites

Activity 3 worksheet

Mapping out air pollution sources

Select a different map (excluding NO₂) to investigate the factors contributing to higher emissions in these areas of Europe and list them:

Hint: Urban and industrial areas often coincide with NO₂ hotspots.

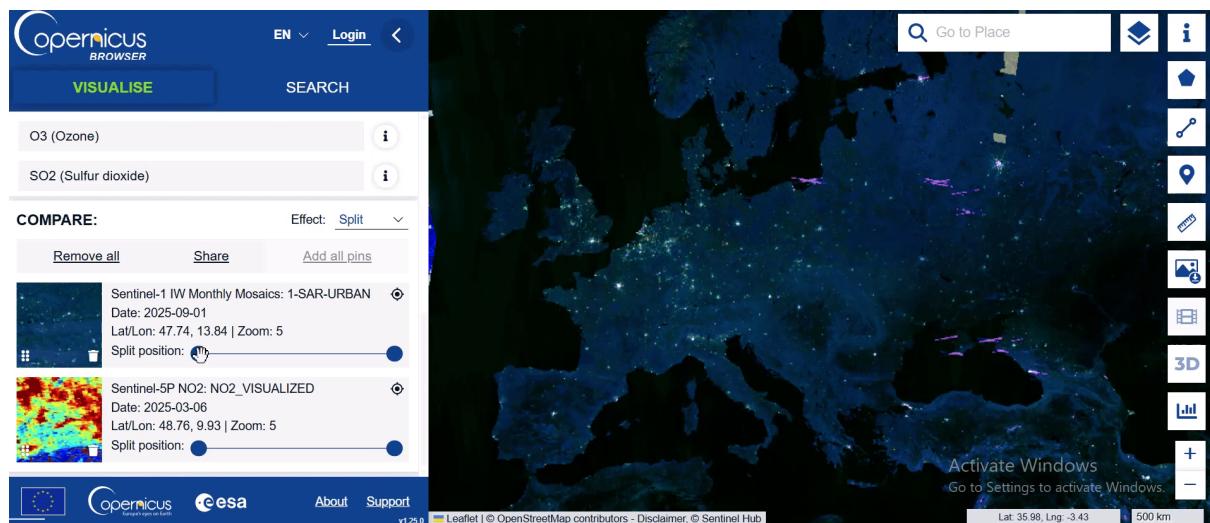
To access these maps:

1. Select “Sentinel-1 Mosaics” (Sentinel-1 IW Monthly Mosaics) under the configuration “Default”.



SAR Urban map from Sentinel-1
 ©ESA

2. Use the comparison tool to view NO₂ with Sentinel-5P and SAR Urban with Sentinel-1 Mosaics side by side. Your teacher will give an introduction on how to use this tool.
3. Slide between the maps to compare pollution with built-up areas.



NO₂ and SAR Urban comparison map
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