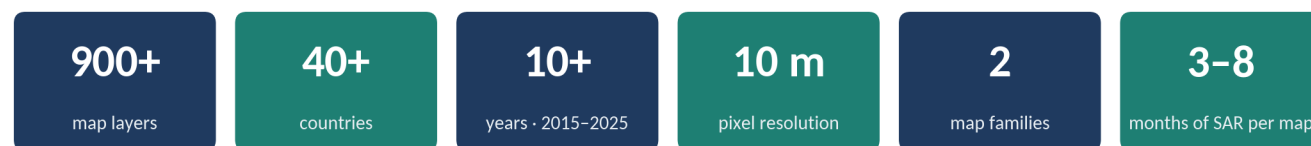


SAGRIS Radar Maps

Pan-European Sentinel-1 SAR maps — open on-line at sagris.eu

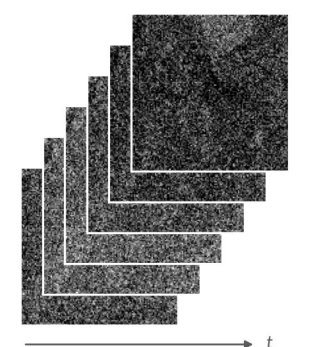
Land use change and land cover status maps for 40+ countries, produced by the same processing chain for every growing season since 2015.



Radar does not take a photograph. It measures how the surface scatters energy back — through cloud, at night, on the same schedule regardless of weather. Because every season since 2015 has been processed the same way, the **same ground can be compared across years** and the difference means something: crop rotation, abandoned farmland, changes in farming intensity. The SAGRIS.EU portal publishes these maps **openly**, as a catalogue browsable by country, theme and year.

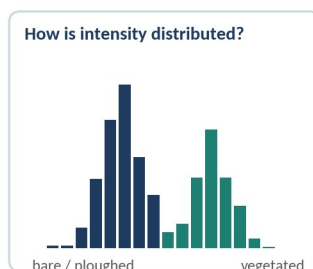
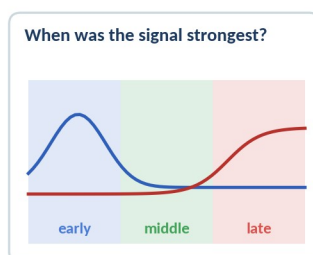
How a SAR map is made

1 RADAR TIME SERIES

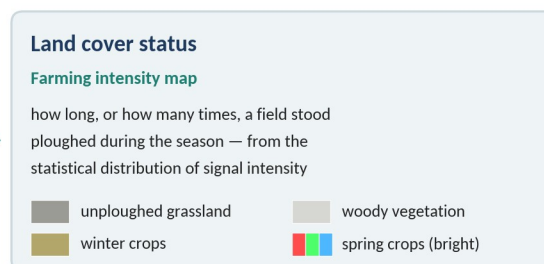
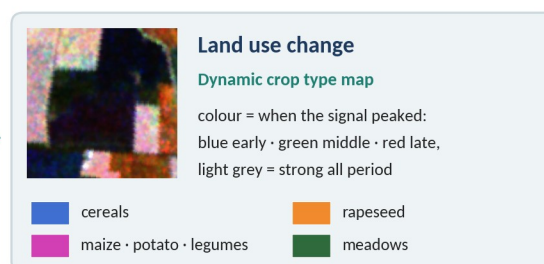


- every Sentinel-1 pass, 6–12 days apart
- 3–8 months of the growing season
- analysis-ready γ^0 VV, 10 m pixels

2 PER-PIXEL ANALYSIS



3 TWO MAP FAMILIES



Colour keys are indicative; interpretation depends on region and season.

What you can do on sagris.eu

 Build your own regional map Combine adjacent countries, years and themes into one view; opacity and backdrop apply to all layers.	 Add landscape context Place names and road / rail network on top of SAR maps; dark, topographic or street backdrops.	 Sample & learn Frame any landscape element, add a description — collected into a visual guide for SAR map interpretation.	 Open layer URLs Copy tile URL or layer JSON for any map — use it in your own web maps or desktop GIS (QGIS, ArcGIS).
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Get started



What the maps reveal. Four seasons of crop rotation in the same fields; farmland in southern Ukraine abandoned after 2022; farming intensity across entire countries. The same radar record supports CAP monitoring for the paying agencies of Lithuania and Latvia. Full-resolution maps and the underlying time series are available through the SAGRIS Open Data Cube.

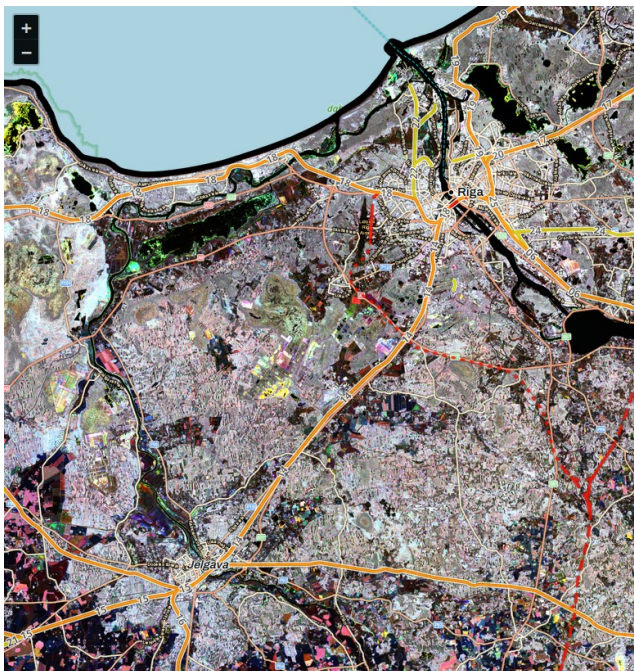
SAGRIS.EU • The portal in use

Browse, combine, interpret and reuse Sentinel-1 SAR maps

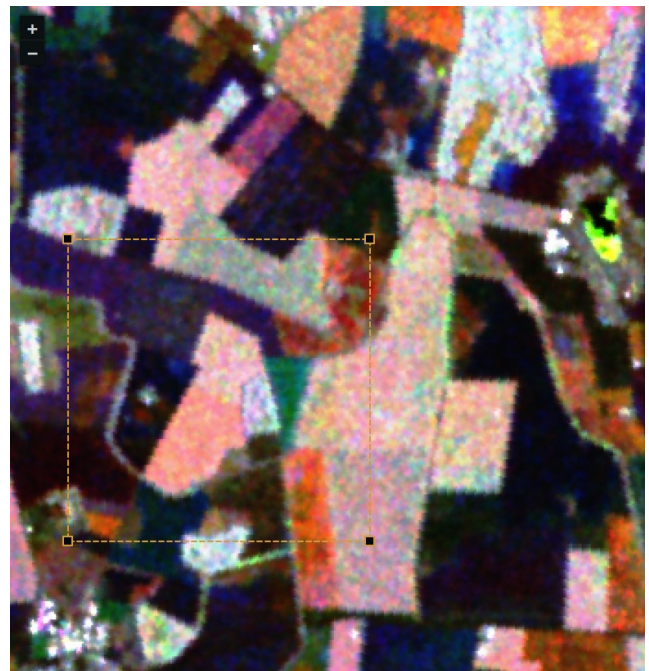
Screenshots from sagris.eu — land use change maps, April–June 2025.



Your own regional map — Estonia, Latvia and Lithuania combined into one land use change map, each country's year and theme picked from the catalogue on the left. The info panel lists product, statistic, sensor and projection, and offers the layer's tile URL and JSON for use in any web map or GIS.



Landscape context — place names and the road and rail network over the Riga-Jelgava area relate the radar signal to the ground.



Sample & learn — a sampling frame (300 / 400 / 500 px) on a Lithuanian field mosaic; its description joins a visual guide to SAR map interpretation.