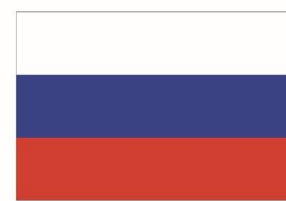




EUROPEAN UNION

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The BalticSatApps Service Catalogue

The BalticSatApps Service Catalogue is compiled as part of the Interreg Baltic Sea region project BalticSatApps, aiming at the increased uptake and use of Copernicus services and data in the Baltic Sea region. The services included are both open and freely available services from governmental bodies in the Baltic Sea region as well as commercial services from service providers in Baltic Sea region countries.

Business opportunities

Smart cities

With the current boost of city monitoring systems, the integration of geographical information systems (GIS) and building information modelling (BIM), and the rapid development of smart city concepts, there should be an expanding market for tools integrating Copernicus data into city planning and management systems. Creating improved models over nitrous dioxide levels, analyses of city greenness, water quality for baths and freshwater intakes, subsidence monitoring among others.

Recreation

Services or supporting outdoor activities like hiking, skiing, sailing and ice skating are lacking amongst the existing services. For recreational users, the packaging is important and there is an opportunity in the integration of information from Copernicus data and services into easy-to-use applications supporting outdoor activities, such as trip planning, best area to visit, or for route selection or navigation.

Service areas

Copernicus data can be used for a variety of purposes, as illustrated by the more than 70 services listed from the Baltic Sea region.

- **Agricultural** applications focus to a large extent on precision agricultural making use of space data both for positioning and for the assessment of crop status, and support to differentiated fertilisation strategies.
- **Water quality** assessment is another area where the strength of space data and the monitoring capacity of the Copernicus programme are obvious. Algal blooms are readily visible, and the amount of chlorophyll can be measured from space, as well as the amount of dissolved organic matter and the turbidity of the water, among other physical aspects.
- **Marine traffic** can be followed and monitored from space. EO data helps to optimize routes with regard to winds and currents, as well as monitor environmental aspects, such as oil spill detection and habitat mapping in shallow waters.
- **Forestry** is another sector that can benefit from space data with information to improve the information of tree species composition, insect infestations and the need for different kind of forestry procedures, such as clearing, thinning, harvesting and re-forestation. The services are used and produced by both private companies and governmental agencies increasing the efficiency in both forestry activities as well as the monitoring of compliance with different regulations.
- **Data portals** are of importance as platforms to perform analyses that can be used within different sectors, but also to provide data from satellites and other sources for in-house analytics. With ever increasing data volumes, the importance of data handling and information provision are emphasised.

