



# COPERNICUS4REGIONS

A selection of user stories portraying the ever growing use of Copernicus across Europe's regions

Focused on local and regional authorities, Copernicus4Regions portrays with concrete user experiences how Copernicus is increasingly supporting the public sector in Europe. It provides an analysis and a practical reference for the broad range of use opportunities and solutions, while also encouraging administrations to share their user experiences. The manifest involvement of public authorities in most of the stories demonstrates the importance of the political will as well as of the motivation of civil servants to overcome any

technical roadblock. Copernicus4Regions user stories can serve as a model and pave the way for a growing number of stakeholders. The many authors from different backgrounds who voluntarily contributed to this collection provide tangible accounts about how Copernicus-based information is now diffusing into society at all levels, contributing to modernise the public sector and deliver more efficient public services.



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[www.copernicus.eu](http://www.copernicus.eu)

<https://sentinels.copernicus.eu>

# An ever growing use of Copernicus in regional ecosystems

Be it spatial planning, civil protection, water management or environmental monitoring, public authorities face a wide range of common challenges. Copernicus is increasingly being used to find solutions to address these challenges, as it is showcased within many Copernicus4Regions user stories.

The rich geographical and structural diversity of the stories demonstrates that, from brownfield mapping in Wallonia to afforestation monitoring in Thuringia, from public utility management in Denmark to farmland monitoring in Lithuania, Copernicus is truly a shared system producing common benefits across Europe.



*"Using the Sentinel images to update our glaciers' maps database has not only improved our data but also productivity"*  
Magnús Guðmundsson, General Director, National Land Survey of Iceland  
[Keeping Track of retreating glaciers in Iceland - p.150]

*"Copernicus data opens the door to smart metropolitan planning"*  
Ondřej Boháč, Prague Institute of Planning and Development  
[Copernicus helps Prague plan the city of the future - p.202]



*"This application has transformed the way we manage the public land of Sougéal marshes for biodiversity and conservation issues."*  
Aurélien Bellanger,  
Communaut. de Communes du Pays de Dol et de la Baie du Mont-Saint-Michel  
[Wetland functional assessment - p.142]

*"We hope our <Copernicus-based> APP will help people plan their leisure time activities whilst raising the public awareness of air quality"*  
Ute Dauert, German Environment Agency  
[An Air-Quality-App for Germany - p.256]



*"Copernicus aids daily decision making activities, minimising the implications of environmental threats."*  
Jorge Brito (CIM Regi.o de Coimbra)  
Nuno Martinho (CIM Viseu -D.o Laf.es)  
[Copernicus helping civil protection - p.220]

*"We found satellite radar interferometry the most accurate and affordable survey method to prevent and detect potential sewer and water network failures"*  
Andrea Aliscioni, Metropolitana Milanese SpA  
[Monitoring the Health of water and sewerage networks - p.246]



*"This application of Copernicus Sentinel-2 has transformed Earth Observation Data into a decision support information."*  
Ramon Riera, Diputació de Barcelona  
[Forestland decay in Maresme using Sentinel-2 imagery - p.94]

*"The use of Copernicus Sentinels for conservation and environmental monitoring provide us with new ways of working."*  
Antonis Tsakirakis, Samaria National Park, western Crete, Greece  
[Copernicus Sentinel Data for local scale conservation activities - p.116]



99 User stories

72 Regions of Application

177 Authoring Entities

24 European Countries