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## USE OF COPERNICUS EMERGENCY MANAGEMENT SERVICE DURING SLEET IN SLOVENIA

### >>> A few years later

After the first Copernicus triggering in 2014 that was described in the Publication, Slovenia has triggered the CEMS system once again during a heavy windstorm that caused severe damages in the surroundings of the main Slovenian international airport in spring 2020.

*Katja Banovec Juros, Administration for Civil Protection and Disaster Relief of the Republic of Slovenia*



BENEFICIARIES	CEMS Service (European Joint Research Centre)	Administration for Civil Protection and Disaster Relief of the Republic of Slovenia; Slovenian Environment Agency	On the ground operational/ rescue teams;	Citizens and Society
SERVICES	<b>TIER 1: SERVICE PROVIDER</b> Copernicus Emergency Management Service	<b>TIER 2 PRIMARY USER</b> CEMS rapid maps (following a disaster); Publicly available vector data on assessment and impact of the hazardous event	<b>TIER 3 SECONDARY USER</b> First assessment of the situation on the ground; More reliable response of the teams on the ground	<b>TIER 4 END USER BENEFICIARIES</b> Improved safety of the citizens in case of emergencies (here Eastern and Western Slovenia)

Value chain definition following SeBS Methodology - <https://earsc.org/sebs>

### The space-based solution

This Copernicus-based solution was developed by the Public Administration for other users such as companies, professionals, agencies, associations, single citizens. The solution is now more accurate and reliable.

### The Usage Maturity Level

In the past few years, the solutions consolidated at (high) Usage Maturity level 4. The main reason for this is reflected in increased awareness about Copernicus programme at decision-making level.

Thematic Area



CIVIL PROTECTION

Region of Application



SLOVENIA

Sentinel mission used



-

Copernicus Service used



CEMS

Usage Maturity Level



4

## Overall benefits

### ECONOMIC



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

### ENVIRONMENTAL



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

### REGULATORY



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

### INNOVATION



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

### SCIENCE



- The solution has helped to improve understanding about a specific topic of interest traditionally not related to Earth Observation (EO)

### SOCIETAL



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

Benefits classification following SeBS Methodology - <https://ears.org/sebs>

## Interesting facts...

In February 2020, a severe forest damage was caused by episodes of strong wind on a same location within a few days. Most affected areas were forests in proximity of Slovenian international airport in Ljubljana. Due to restricted aerospace, the only way to monitor the damage was to use satellite data, hence Copernicus Emergency Monitoring Service was triggered to locate and assess the forest damages in more detail.

*[text according to testimony of Dr. Kaja Kandare, Slovenian National Forestry institute - Copernicus4Regions webinar | Nov 18th 2021]*

## Acknowledgements

Copernicus has provided a valuable contribution to the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030. Also in this way, we all build a society that is more resilient to disasters and contribute to a world that is a safer place to live in.

## Outlook to the future

For the future, Authors plan to follow the further development of the Copernicus EMS system to be a valuable support for all phases of Disaster Risk Management cycle.



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## ABOUT COPERNICUS4REGIONS

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