PROGRAMME OF THE EUROPEAN UNION

Copernicus
Europe's eyes on Earth

co-founded with **esa**

European Commission

nereus
network of european regions using space technologies

COPERNICUS4REGIONS 2025

ENTER THE TITLE OF YOUR STORY

Look for an effective simple and concise title.

Your name (and co-authors names) will appear here | Same as the Institution you represent

> " Enter a quote from the primary user here e.g. This application of Sentinel allowed us to improve our performances
>
> **Name Surname Role**
> *Public Authority* "

∨ small caption for the front page - Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Abstract - Write your own text here. Be simple and concise! In maximum 3 lines, you shall be able to express the core messages of your story. Always remember to avoid acronyms and technical jargon.

THE CHALLENGE

This paragraph is your opportunity to set the stage for your story! Please keep it between 150 to 200 words, or about 1,000 characters, including spaces. Use plain, straightforward language—there is no need for acronyms or technical jargon.

In this paragraph, you shall focus on the core problem or challenge. What motivates this application? Who is the user of the application and what is its responsibility? What are the key decisions that the user must take and how does it cope with this responsibility in absence of Copernicus? It would be important to highlight if there is any relevance with respect to European or national policies. In short: please make sure that you explain clearly what motivated the adoption of the Copernicus space-based solution. Note that in case your story is an update of a previous one, you should clearly indicate if there was any change with regards to the past edition with regards to the challenge (e.g. due to climate change, new legislations, different resources).

THE SPACE SOLUTIONS

In this paragraph you shall describe the Copernicus space-based solution. The indicative length of this paragraph is between 200 and 220 words, or about 1400 characters including spaces.

Please use plain language, as this text is intended for the general public. For example, avoid acronyms or technical jargon. You should begin by describing the technical solution. Consider what critical information is provided to the user and how this information helps to address the challenge described earlier. Please, tell us how satellite data are used within the solution and briefly explain how the information is derived from them. Remember that any solution described here must be operational or pre-operational so do not expect you to refer to research projects or studies. You might also want to describe the provider: is it a commercial or a public entity? Is it maybe a start-up? If the service is provided in-house at the user entity, you can describe how this is organized and what is the expertise of the provider. Additionally, clarify whether the solution is open or a commercial one.

The caption for this image2 should help readers to understand the space-based solution such as a map of relevant satellite imagery or derived products. Please remember to indicate the credits for the image. **Max 30 words.**

Note that in case your story is an update of a previous one, you should indicate clearly what has changed in the technical solution. Maybe there are new parameters? Maybe an improved accuracy? Has a new service provider been introduced?

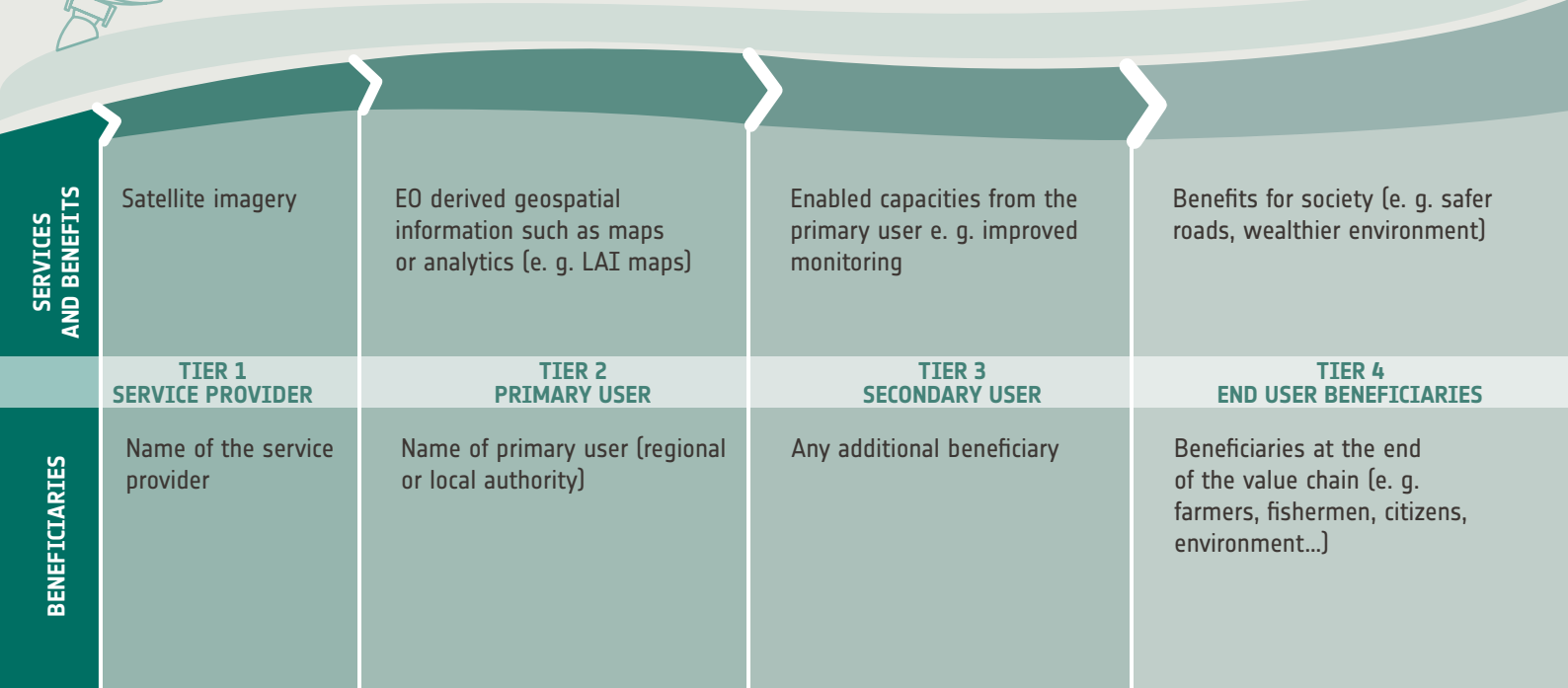| THEMATIC AREA	REGION OF APPLICATION	SENTINEL MISSION USED	COPERNICUS SERVICE USED
Agriculture	Piedmont Aosta Valley	S2	-

THE BENEFITS AND THE BENEFICIARIES

The indicative length of this paragraph should be between 240 to 260 words, or about 1600 characters including spaces. Please use plain language to ensure clarity for the general public, avoiding acronyms or technical jargon whenever possible.

If acronyms must be used, define them at the beginning and refer to them consistently throughout the text. In this Section You should describe what are the benefits of the technical solution for all actors in the value chain, i.e. from the user entity down to society and environment. For example: how is the Public Administration that is the primary user of the service benefitting from the solution? How does the Copernicus-based solution help with respect to existing alternatives? Does it help to save costs? Does it help to make any administrative process more efficient?

Does it help to improve the monitoring practices? In which way? Clearly explain the ultimate impact on citizens and society: what advantages do they gain from the fact that the regional or local administration is using Copernicus? Describe any economic, political, environmental, security, quality of life and other benefits to the region's and/or European citizens. If available, include quantitative estimations or cost-benefit analysis of the technology solution.

Remember that from the information you will have provided separately, the value chain will be represented as from the figure below, so remember that you can leverage the graphics when explaining the benefits.

SERVICES AND BENEFITS	Satellite imagery	EO derived geospatial information such as maps or analytics (e. g. LAI maps)	Enabled capacities from the primary user e. g. improved monitoring	Benefits for society (e. g. safer roads, wealthier environment)
	TIER 1 SERVICE PROVIDER	**TIER 2 PRIMARY USER**	**TIER 3 SECONDARY USER**	**TIER 4 END USER BENEFICIARIES**
BENEFICIARIES	Name of the service provider	Name of primary user (regional or local authority)	Any additional beneficiary	Beneficiaries at the end of the value chain (e. g. farmers, fishermen, citizens, environment…)

EU POLICY / DIRECTIVE	TYPE OF SERVICE PROVIDER	TYPE OF FUNDING SOURCE	USAGE MATURITY LEVEL
Cleaner air for Europe Directive	Pubblic VS Commercial	Space VS Non Space	3/4

A FUTURE WITH COPERNICUS

The indicative length of this paragraph is max 100 words, or about 600 characters with spaces.

Write your own text here. Overwrite the highlighted text. Use plain language suitable for the general public, avoiding acronyms or technical jargon. Describe the strategy for the future, and the direction that this application will most likely take with fully operational Sentinels constellations and with increased maturity and awareness. If applicable, describe why Sentinels will be essential to maintain the solution working. You may also mention any unresolved issues affecting the full adoption of the solution that will hopefully be solved in the future.

DID YOU KNOW?

Write a short caption, 50 to 60 words, in which you can highlight an intriguing aspect of the solution's implementation or its perception by other stakeholders.

UPDATE NOTICE

HYPERLINK

This paragraph will only be available for stories that are updates with regards to old ones already published as part of the Copernicus4regions collection. It shall not exceed 100 words (or 650 characters including spaces). Stories referring to the same user organization addressing the same application will be published as updates to original stories, with highlights on the progresses. For update stories, please provide a brief description about what changed with respect to the past: is the solution more efficient or accurate? Are there new benefits? Is the solution more institutionalized? Was a similar service procured from a different provider?

Acknowledgements

All thanks and acknowledgments must be written here.

Contacts

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ABOUT COPERNICUS4REGIONS

www.copernicus.eu

https://sentinels.copernicus.eu

Find the original story at
www.nereus-regions.eu/copernicus4regions/user-stories-sheets