



## Copernicus questionnaire for local/regional stakeholders

This questionnaire has been prepared in the framework of EU H2020 CoRdiNet – *Copernicus Relays for digitalisation Spanning a Network* - Project to assess the level of knowledge and awareness of regional stakeholders about the EU Copernicus Earth Observation Programme and its possible applications. It is also addressed to identify stakeholder challenges and needs that can be profitably addressed by Earth Observation data/products and possible barriers that still prevent from a more systematic use and exploitation of Copernicus data, services and solutions.

Thanks to your effort in compiling this questionnaire, it will be possible to:

- develop specific EO Copernicus solutions tailored on **your specific needs and challenges**;
- find new opportunities for future collaboration in funded pilot projects where testing new Copernicus solutions suitable for **your challenges**;
- set up tailored training or collaborative events more adapted for **your activity**.



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**SECTION A [GENERAL INFORMATION]**

**Organization details**

| Organization main data    |  |
|---------------------------|--|
| Company/Organization name |  |
| Website                   |  |
| Contact Person            |  |
| email                     |  |

| Type of organization                                |  |                                      |
|---|--|--------------------------------------|
| Public Authorities <input type="checkbox"/>         | Research center <input type="checkbox"/>     | University <input type="checkbox"/>  |
| SME* <input type="checkbox"/>                       | Large Enterprise <input type="checkbox"/>    | Association <input type="checkbox"/> |
| Consultancy <input type="checkbox"/>                | Insurance & Finance <input type="checkbox"/> | ONG <input type="checkbox"/>         |
| Other <input type="checkbox"/> please specify _____ |  |                                      |

**MARKET SEGMENTS and related MARKET SECTORS**

Indicate the market segments and related market sectors you belong to

| Markets segments           |                              | Market sectors               |                                       |
|----------------------------|------------------------------|------------------------------|---------------------------------------|
| A <input type="checkbox"/> | Managed Living Resources     | A.1 <input type="checkbox"/> | Agriculture                           |
|                            |                              | A.2 <input type="checkbox"/> | Forestry                              |
|                            |                              | A.3 <input type="checkbox"/> | Fisheries                             |
| B <input type="checkbox"/> | Energy and Natural Resources | B.1 <input type="checkbox"/> | Oil and Gas                           |
|                            |                              | B.2 <input type="checkbox"/> | Alternative Energy                    |
|                            |                              | B.3 <input type="checkbox"/> | Minerals and Mining                   |
| C <input type="checkbox"/> | Industry                     | C.1 <input type="checkbox"/> | Utilities (water, electricity, waste) |
|                            |                              | C.2 <input type="checkbox"/> | Construction                          |
|                            |                              | C.3 <input type="checkbox"/> | Transportation                        |
|                            |                              | C.4 <input type="checkbox"/> | Maritime                              |
|                            |                              | C.5 <input type="checkbox"/> | Communications                        |
| D <input type="checkbox"/> | Services                     | D.1 <input type="checkbox"/> | Insurance & Finance                   |
|                            |                              | D.2 <input type="checkbox"/> | Real-estate management                |
|                            |                              | D.3 <input type="checkbox"/> | Retail and Geo-marketing              |
|                            |                              | D.4 <input type="checkbox"/> | News and Media                        |
|                            |                              | D.5 <input type="checkbox"/> | Travel, Tourism and Leisure           |
| E <input type="checkbox"/> | Public Authorities           | E.1 <input type="checkbox"/> | Local and regional planners           |
|                            |                              | E.2 <input type="checkbox"/> | Emergency Services                    |
|                            |                              | E.3 <input type="checkbox"/> | Education, training and research      |
|                            |                              | E.4 <input type="checkbox"/> | Security, Defence and military        |
| F <input type="checkbox"/> | International Bodies         | F.1 <input type="checkbox"/> | Environmental, Pollution & Climate    |
|                            |                              | F.2 <input type="checkbox"/> | Humanitarian Operations and Health    |

**SECTION A [GENERAL INFORMATION]**

**Other market sectors (please specify):**

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**Main activities short description:**

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**Copernicus Program and data/services awareness**

**1. Do you know about the Copernicus program and the Earth Observation (EO) data/services available free of cost to all citizens, scientists, entrepreneurs, public authorities and companies for free?**

No → Please go to **Section D** (page 10) only

Yes → Please go ahead at **question 2**

**2. Do you use Copernicus data/Copernicus service information for your activities?**

Yes → Please go to **Section B** (page 4) only

No → Please go to **Section C** (page 8) only

## SECTION B [Knowing and Using/providing Copernicus EO data/services]

### B.1 Which Copernicus user/provider category do you belong to?

- End user of Copernicus/Earth Observation data<sup>1</sup>
- End user of Copernicus/Earth Observation services<sup>2</sup>
- Provider of services/products/applications based on Copernicus/Earth Observation data
- I do not know

### B.2 What kind of service based on Copernicus data do you provide/use?

- Mapping & Monitoring
- Planning & Management
- Early warning
- Support to the decision
- Other, please specify \_\_\_\_\_

### B.3. Which type of Copernicus/Satellite data do you use?

- Sentinel mission data (e.g. Sentinel-1/2/3 etc.)
- Other Earth Observation satellite data (e.g. Optical/multispectral: e.g. EOS-MODIS, METOP, NOAA, LANDSAT, METEOSAT; Commercial: e.g. IKONOS, WORLDVIEW, SPOT, QUICKBIRD; or SAR: COSMO-SkyMed, TerraSARx, etc.)
- Integrated, multi-mission satellite data
- Other kinds of satellite data (e.g. GNSS, SATCOM)

### B.4. How often do you use Copernicus/Satellite data/services?

- Daily
- Weekly
- Monthly
- Once per year
- Only occasionally

<sup>1</sup> **Copernicus/Earth Observation data** are Earth Observation data collected by the different satellite missions from the space component (i.e. Sentinels) of the Copernicus programme financed by the European Union as well as by other contributing satellite missions operated by National, European or International organizations.

<sup>2</sup> **Copernicus/Earth Observation services** are information/products provided by any of the 6 services (Land, Marine, Atmosphere, Climate Change, Emergency, Security) of the Copernicus programme and, more in general, any added value product or application based on satellite Earth Observation data, including contributing missions.

**SECTION B [Knowing and Using/providing Copernicus EO data/services]**

**B.5.** With respect to your activities, Copernicus data/services are:

- Essential
- Helpfully supportive
- Of limited assistance

**B.6.** How long did it take from first engagement to in-house use of Copernicus/EO data?

- Weeks
- Months
- 1 year
- > 1 year

**B.7.** With reference to the following table, please indicate the activities, related to the Market sector you belong to, for which you use Copernicus data or provide services based on them.

|                          |                                       |
|--------------------------|---------------------------------------|
| <input type="checkbox"/> | Agriculture                           |
| <input type="checkbox"/> | Forestry                              |
| <input type="checkbox"/> | Fisheries                             |
| <input type="checkbox"/> | Oil and Gas                           |
| <input type="checkbox"/> | Alternative Energy                    |
| <input type="checkbox"/> | Minerals and Mining                   |
| <input type="checkbox"/> | Utilities (water, electricity, waste) |
| <input type="checkbox"/> | Construction                          |
| <input type="checkbox"/> | Transportation                        |
| <input type="checkbox"/> | Maritime                              |
| <input type="checkbox"/> | Communications                        |
| <input type="checkbox"/> | Insurance & Finance                   |
| <input type="checkbox"/> | Real-estate management                |
| <input type="checkbox"/> | Retail and Geo-marketing              |
| <input type="checkbox"/> | News and Media                        |
| <input type="checkbox"/> | Travel, Tourism and Leisure           |
| <input type="checkbox"/> | Local and regional planners           |
| <input type="checkbox"/> | Emergency Services                    |
| <input type="checkbox"/> | Education, training and research      |
| <input type="checkbox"/> | Security, Defence and military        |
| <input type="checkbox"/> | Environmental, Pollution & Climate    |

**SECTION B [Knowing and Using/providing Copernicus EO data/services]**

|                          |                                    |
|--------------------------|------------------------------------|
| <input type="checkbox"/> | Humanitarian Operations and Health |
| <input type="checkbox"/> | Other, please specify:             |
|                          |                                    |
|                          |                                    |

**B.8.** Have you encountered any issue/problem in finding/using the Copernicus/EO Satellite data most suitable for your specific applications/businesses?

No

Yes  Please, specify: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B.9.** With reference to your market sector, can you identify 1-3 specific needs that you believe could be addressed by Copernicus Data/Copernicus Service information?

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

**B.10.** With reference to your market sector, can you identify 1-3 future or present challenges that may require (and benefit from) new technologies, like satellite Earth Observation data?

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

**B.11.** Do you see any barrier, and specify which ones (innovation public procurement, training, costs, legal, other) which prevent a greater exploitation of Copernicus data/services in your business/market sector?

\_\_\_\_\_

\_\_\_\_\_

**SECTION B [Knowing and Using/providing Copernicus EO data/services]**

**B.12.** Do you have any further suggestion for bringing Copernicus and satellite information closer to your business/market sector?

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**THANK YOU FOR YOUR COLLABORATION!**

**Data Usage Consent (according to GDPR 2018)**

*Herewith I agree that the Copernicus compiled questionnaire can be stored and processed by my local Copernicus Office/Copernicus Relay for its support activities.*

**SECTION C [Knowing but Not Using/providing Copernicus EO data/services]**

**C.1 Why are you not using satellite data within your activity?**

- I find them useless for my activity
- I believe that they cannot provide an added-value for my business
- I am not able to find/discover/downloading them
- I am not able to using/processing/interpreting them
- Other, please specify \_\_\_\_\_

**C.2 Do you think Copernicus/EO data could bring advantages and benefits in your activities?**

- Yes, I do and I have already planned to explore their possible use in the near future
- Yes, I do but I have not planned to explore this possibility in short term, because:
  - I have not the human/economic/organizational resources needed
  - Other, please, specify: \_\_\_\_\_
- No, the data are potentially useful but they presently do not meet our specific needs and requirements
- No, the data are totally useless for our activities
- No (other reasons), Please specify: \_\_\_\_\_

**C.3 In case you intend to use Copernicus/EO data in the near future, do you believe to have all the information required to find/download/use the data?**

- Yes
- No

**C.4 Are you interested in receiving additional and updated information about the use of Copernicus/EO data?**

- Yes
- No



**SECTION C [Knowing but Not Using/providing Copernicus EO data/services]**

**C.5** With reference to your market sector, can you identify 1-3 specific needs that you believe could be addressed by Copernicus Data/Copernicus Service information?

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

**C.6** With reference to your market sector, can you identify 1-3 future or present challenges that may require (and benefit from) new technologies, like satellite Earth Observation data?

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

**C.7** Do you see any barrier, and specify which ones (innovation public procurement, training, costs, legal, other) which prevent a greater exploitation of Copernicus data/services in your business/market sector?

\_\_\_\_\_

\_\_\_\_\_

**C.8** Do you have any further suggestion for bringing Copernicus and satellite information closer to your business/market sector?

\_\_\_\_\_

\_\_\_\_\_

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**SECTION D [Not Knowing the Copernicus Program]**

Copernicus is the European Union's Flagship Earth Observation Programme, looking at our planet and its environment for the ultimate benefit of all European citizens. It offers information services based on satellite Earth Observation and in situ (non-space) data. In detail, the Sentinel satellites provide a unique set of observations, allowing for the acquisition of data with a spatial resolution of a few meters (not lower than 5-10m depending on the spectral region) and a temporal resolution less than one week. The analysis of these data furnishes information helpful for service providers, public authorities and other international organisations in order to improve the quality of life for the citizens of Europe. The applications fall into six main categories: services for land management, services for the marine environment, services relating to the atmosphere, services to aid emergency response, services associated with security and services relating to climate change. The information services provided are freely and openly accessible to its users.

**D.1** Do you think that Copernicus EO data/services can be of interest for your activities?

- Yes
- No → Please go to **Question D.3**

**D.2** What advantages do you think the usage of Copernicus EO data/services could bring to your activities? They can supply products:

- more accurate
- more frequently updated
- timelier available
- cheaper than traditional methods
- Other, please specify \_\_\_\_\_
- \_\_\_\_\_

**D.3** What kind of difficulty/obstacle can you identify for their possible use in your activity?

- lack of specific skills
- lack of market demand in my sector
- issues in finding relevant information (e.g. manuals, tutorials, examples, etc.)
- lack of specific hardware and software facility at your premises
- issues to integrate them in our standard protocols and procedures
- legal framework for the use of data and innovation public procurement
- costs (to elaborate and integrate raw data)

**SECTION D [Not Knowing the Copernicus Program]**

Other, please specify \_\_\_\_\_  
 \_\_\_\_\_

**D.4** With reference to your market sector, can you identify 1-3 specific needs that you believe could be addressed by Copernicus Data/Copernicus Service information?

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_

**D.5** With reference to your market sector, can you identify 1-3 future or present challenges that may require (and benefit from) new technologies, like satellite Earth Observation data?

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_

**D.6** Do you have any further suggestion for bringing Copernicus and satellite information closer to your business/market sector?

\_\_\_\_\_  
 \_\_\_\_\_

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