

4th Open Call

# FAQs

Reinforcing the AI4EU Platform by Advancing Earth  
Observation Intelligence, Innovation and Adoption

AI & EO

POWERED  
BY CITIZENS

OPEN  
CALLS



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## 1. What is AI4Copernicus

AI4Copernicus is an EU-funded (H2020) project which aims to enable innovation by bringing together the AI (Artificial Intelligence) and EO (Earth Observation) communities. AI4Copernicus will make the AI4EU AI-on-demand platform the platform of choice for users of Copernicus data along the value chain (scientists, SMEs, non-tech sector), bringing together the knowledge, algorithms, tools and resources available in domains of high economic and societal impact, such as in Agriculture, Energy and Security.

## 2. Why should I apply?

Within AI4Copernicus 4<sup>th</sup> Round of Open Calls, we will select up to 3 Use-Cases projects based on citizen social challenges that can be implemented by exploiting the existing AI4Copernicus resources and tools.

## 3. Who can apply?

Applicants can be consortia of SMEs<sup>1</sup>, startups, that are high-tech and at least one low-tech company, legally established in:

The Member States of the European Union, and/or Associated Countries to H2020 (the list of Associated Countries available [here](#)), including the United Kingdom.

If you want to participate in the AI4Copernicus Open Call for proposals (Use-cases and/or Experiments), your organization needs to be registered, have a valid VAT number and have a **9-digit Participant Identification Code (PIC)**. Please quote your PIC and your partner PIC in the proposal template.

Additional information about the PIC number can be found [here](#).

## 4. Are we considered to be an SME?

Small and medium-sized enterprises (SMEs) are defined in the [EU recommendation 2003/361](#). The main factors determining whether an enterprise is an SME are:

**(1) staff headcount, (2) either turnover or balance sheet total**

Company category	Staff headcount	Turnover	or	Balance sheet total

<sup>1</sup> SME Definition [https://ec.europa.eu/growth/smes/sme-definition\\_en](https://ec.europa.eu/growth/smes/sme-definition_en)



<b>Medium-sized</b>	< 250	≤ € 50 m	≤ € 43 m
<b>Small</b>	< 50	≤ € 10 m	≤ € 10 m
<b>Micro</b>	< 10	≤ € 2 m	≤ € 2 m

These ceilings apply to the figures for individual firms only.

A firm that is part of a larger group may need to include staff headcount/turnover/balance sheet data from that group too.

Additional details can be found: [https://ec.europa.eu/growth/smes/sme-definition\\_en](https://ec.europa.eu/growth/smes/sme-definition_en)

## 5. What is considered to be a high-tech and a low-tech SME?

To date, there is no clear-cut and widely accepted definition for high-tech or low-tech SMEs.

As such AI4Copernicus follows a rather broad conceptual approach without elaborating a very stringent definition or set of indicators.

- **High-tech SMEs:** are considered to be highly innovative and/or R&D intensive companies and/or use sophisticated and complex technologies such as AI, Internet of Things, Blockchain, Quantum Computing, etc.
- **Low-tech or no-tech SMEs:** are considered to be companies that do not apply sophisticated technologies such as AI, Internet of Things, Blockchain, Quantum Computing, etc.

## 6. Any requirements for 4<sup>th</sup> Round of Open Calls?

The **4<sup>th</sup> Round of Open Calls** for Use-Cases (consortia projects with a low-technology SME by default) focus on the **citizen-based social challenges** and will be open from **1<sup>st</sup> February 2022**.

This type of Open Calls involves:

- SME consortia (EU & Associated Countries)
- Include a low-technology company by default

**Max funding per project:**



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- up to €150.000 (3-partner consortia), up to €120.000 (2-partner consortia) (minimum 2 partners consortia). The maximum amount to be granted per third party (per partner) will **NOT exceed €60,000**.

## 7. Which are the social themes that should be addressed by the 4<sup>th</sup> Open Call?

The Social Themes to be addressed (as identified by the citizens alphabetically ordered):

- Creating Digital Twins of remote territorial areas
- Mapping Health Facilities
- Monitoring Illegal Fishing
- Optimizing Air Quality Footprint
- Optimizing Waste Management
- Predicting Economic Recessions
- Predicting Fire Risk probability
- Predicting Health Risks
- Predicting Poverty
- Reducing Greenhouse Gas (GHG) in cities
- Reducing the overheating of urban spaces (Urban Heat Island (UHI) effect)

*Please note that each proposal should address on of these challenges.*

## 8. Can AI4Copernicus consortium members apply to this call?

No, AI4Cppernicus consortium partners cannot be funded by the Call.

## 9. Can an SME that participated in another AI4EU and/or ICT-49 project, related to Open Call, apply to the AI4Copernicus calls?

Yes.

## 10. Is it possible to include a non-eligible partner in the consortium as long as it does not obtain any funding?

A non-eligible partner could be part of your proposal as a support network partner (with a letter of support) but not as a partner in your consortium.



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### 11. What is the difference between a Use-Case and an Experiment?

- **Use-Cases:** small SME consortia projects with **at least two members (max 3 partners)**, including a non-technology advanced partner by default. The end output of Use-Cases should be at **min TRL 5**.
- **Experiments:** **single beneficiary** projects. The end output of the experiments should be at **min TRL 6**.

### 12. What is considered to be a successful proposal?

An innovative proposal that addresses *sufficiently* and *successfully* all the AI4Copernicus requirements.

### 13. What is the funding per project (4th Round of Open Calls)?

For the **4th Round of Open Calls** each selected project will receive **up to €150.000** (3-partner consortia), **up to €120.000** (2-partner consortia) (**minimum 2 partners**). The maximum amount to be granted per third party (per partner) will **NOT exceed €60,000**.

### 14. What kind of activities will be supported?

Developing and testing AI technical solutions that address **industrial challenges** by exploiting AI resources and Earth Observation Data focusing on **citizen-based social challenges**.

The Social Themes categorized as following: Creating Digital Twins of remote territorial areas; Mapping Health Facilities; Monitoring Illegal Fishing; Optimizing Air Quality Footprint; Optimizing Waste Management; Predicting Economic Recessions; Predicting Fire Risk probability; Predicting Health Risks; Predicting Poverty; Reducing Greenhouse Gas (GHG) in cities; Reducing the overheating of urban spaces (Urban Heat Island (UHI) effect)

The AI4Copernicus support program (acceleration process) involves a 16-month acceleration program, which includes namely

- Phase 3: Support Phase (14 Months) and
- Phase 4: Sustain Phase (2 Months), as can be seen in Figure 1.



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Figure 1: 4<sup>th</sup> Round of Open Call Phases for SMEs

During this period the following services, will be provided:

- Funding (depending to the type of the call) to implement their project for a period of 16 months
- AI4Copernicus Tools & Resources
- AI4EU, DIASes Tools (CREODIAS, WEKEO) & Resources
- Technical Mentoring
- Business & Sustainability Mentoring
- Certification: AI4Copernicus Trustmark
- Visibility through AI4Copernicus digital channels and events as AI4Copernicus Ambassadors

### 15. Can a project cover more than one industrial domain?

Yes, more than one industrial domain can be covered.

### 16. How long does it take to fill in the application?

The estimated time is 2-3 working days, once a specific project idea is formulated. Please, take into consideration that specific character limits have been established in each field of the



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online application form, so we encourage you to keep your proposal focused on the requested information, keeping in mind the AI4Copernicus concept and the requirements gathered in the Guide for Applicants for this call. We also recommend you start the submission process quite in advance before the deadline in order to avoid last minute circumstances.

If you have any questions feel free to let us know at [info@ai4copernicus-project.eu](mailto:info@ai4copernicus-project.eu)

### 17. Do I have any conflict of interest?

Is your organization directly linked with an AI4Copernicus Partner or a member of the Advisory Board?

**If you answered NO then there is no conflict of interest<sup>2</sup> and you can submit a proposal in the 4<sup>th</sup> Round of the AI4Copernicus Open Calls.**

### 18. Should my proposal cover all 4 industrial domains?

No, your proposal should cover one industrial domain (at minimum).

However, if you want you can address more than one industrial domain, depending on your idea.

### 19. Is it mandatory to use all DIAS platforms that participate in the AI4Copernicus project?

One of the DIASes platforms (CREODIAS, WEKEO) should be used.

Focus on the DIAS platform more suitable for your experiment.

### 20. Is there a restriction on the type of satellite data I can use for my project proposal?

There is no such restriction, you can use a combination of satellite data from different series. However, you are expected to use Copernicus data, as well as any other data necessary.

### 21. Is it mandatory to use the AI4EU services?

No, it is not required to use AI4EU services for developing your services.

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<sup>2</sup> Please note that, AI4Copernicus may withdraw an application in the event the participant is directly linked with an AI4Copernicus Partner or a member of the Advisory Board.



## 22. What should be published in the AI4EU platform?

All successful applicants should publish a description of their solution and provide a link to their service in the AI4EU catalogue.

## 23. Is it mandatory to use the AI4Copernicus services?

AI4Copernicus services should be exploited as part of the project (see [Part 2 of Technical Documentation](#)).

## 24. Will my algorithms, developed in my proposed solution, be exposed by the potential publicity in AI4EU or DIAS platform?

In general, we are in favor and promote as open as possible solutions.

However, this is not a strict requirement either for the AI4Copernicus Open Calls or the AI4EU platform. You can publish the description of your resource in the AI4EU platform independently of the accompanying license (which however must be included in the description of the resource). In any case, the version integrated into the DIAS platform will necessarily be a docker container exposing the resource, thus there is no need to expose the source code / algorithm itself. You can include any amount of detail that you find appropriate for the algorithmic approach in the documentation of the resource.

## 25. Do we have to use the monthly composite approach, or can we propose another approach (Agriculture domain)?

The monthly composite approach allows flexibility in terms of adaptation to different geographical areas with images having different frequency of acquisition. You are free of using whatever you prefer but the output is expected to have good generalization capability.

## 26. Can we use single images instead of time series (Agriculture domain)?

Yes. However, the temporal component is essential to perform an accurate analysis of the phenological trend of different crops, that may become distinguishable in a particular month or date and be easily misclassified in another.

## 27. How are bootstrapping services going to be provided?

Processing pipelines will be provided as docker images for this 4th round of open call. Some of them will be also available in a beta version as models in AI4EU platform. Regarding



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datasets, depending on the source, they will be provided through web services or as local resources in CREODIAS environment.

### 28. Are the bootstrapping services customizable?

Bootstrapping service providers are implementing the services having into account the different needs of the bidders. For that, a lot of parameters will be exposed to be able to customize the processing. It will be possible to provide feedback about the services and the providers could update the services considering new requirements if it is considered needed.

### 29. Will I be able to modify my proposal before final submission?

Multiple submissions are available until deadlines.

### 30. Will I be able to modify my proposal after the submission?

After the submission of your application, no modification is acceptable. Please, be aware that your application is completed before you proceed with its submission.

### 31. Can my organization submit more than 1 proposals in the same Call?

Yes, an organization is possible to submit more than 1 proposals as a partner, however, **ONLY one** as the coordinator.

### 32. Can my organization be selected for funding in more than 1 Open Calls of AI4Copernicus project?

Yes, an organization can be selected for funding in more than 1 Open Calls of AI4Copernicus project as a partner. However, the **total funded amount should be up to € 60.000**.

### 33. Is there a maximum amount of financial support per third party?

Please note that the max budget is up to €150.000 (3-partner consortia), up to € 120.000€ (2-partner consortia). Therefore, each partner **should not have a budget that exceeds € 60.000**.



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### 34. I am an individual entrepreneur. Am I eligible for the single-company open calls (4<sup>th</sup> Round of Open Call for Use-Cases)?

Registered SMEs can participate in the following AI4Copernicus Open Calls: 1<sup>st</sup> Round, 3<sup>rd</sup> Round and 4<sup>th</sup> Round.

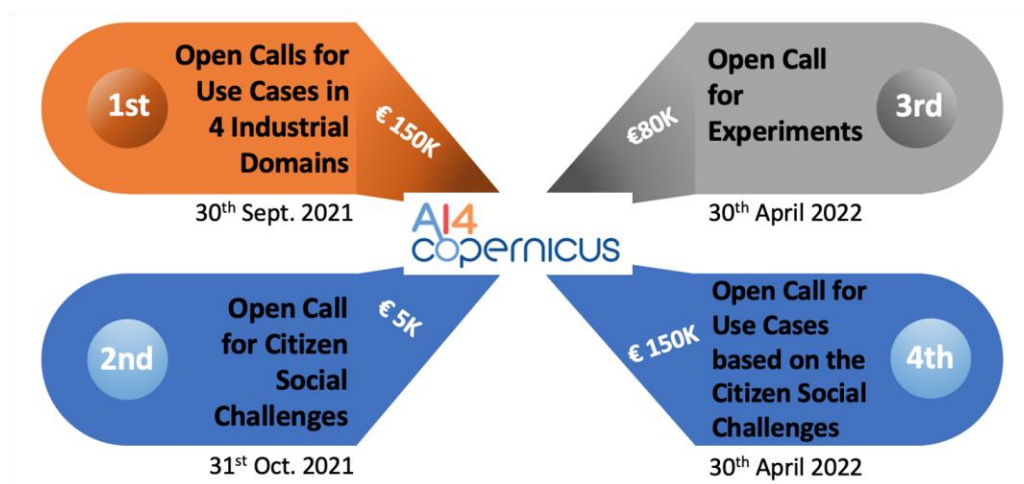


Figure 2: The 4 Rounds of the AI4Copernicus Open Calls (& submission deadlines)

### 35. I am an individual. Am I eligible for the AI4Copernicus open calls?

Individuals can participate in the AI4Copernicus Open Calls for citizens: 2nd Round (see figure 2).

### 36. Can an SME which is part of a larger group, apply to the Open Calls for SMEs (3rd, 4th)?

Yes, it can apply.

### 37. Can an SME have a subcontractor (i.e., University, NGO, etc)?

Yes, subcontracting is allowed.

### 38. Can an SME include in-kind contributions from external partners (i.e., not asking for funding) in the proposal?

This is not allowed.



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### 39. What type of support is available for preparing the proposal?

The ‘**Guidelines for Applicants**’ is the main reference document. It provides detailed information about the requirements of the evaluation and selection process, and the Support Program offered by AI4Copernicus.

All the information needed will be provided to applicants via the following digital channels:

- Project’s website (more info): <https://ai4copernicus-project.eu/>
- Apply via: <https://ai4copernicus-project.eu/open-call-info/>
- AI4Copernicus Support team: [info@ai4copernicus-project.eu](mailto:info@ai4copernicus-project.eu)

### 40. Do selected projects get any money in advance?

Yes, there will be an initial pre-financing (30% of the total funding) established at the beginning of the Support Program (M0).

### 41. What is the payment schedule and payment condition?

The maximum amount of financial support to be granted per selected project is up to €150.000 (3-partner consortia), up to €120.000 (2-partner consortia), therefore, each **partner’s budget should not exceed €60.000.**

Beneficiaries will receive funding in the following installments:

- Award Stage (pre-financing): 30% of the total
- Interim Assessment: 30% of the total against depending of on the assessment outcome
- Proof of Concept Stage/Final Assessment: rest 40% of the total

### 42. Intellectual Property Rights (IPR) Issues: The IPR stays with whom?

The IPR will belong to the IPR holder(s) as it will be specified in the Project Proposal.

**The AI4Copernicus will have NO claims over this IPR.**

### 43. What will happen to the proposal related data?

If you have submitted a proposal, your project and company related information need to be stored on our servers until the payment of balance of the AI4Copernicus project, for potential reporting purposes towards the European Commission.



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After this date all information will be deleted from our servers but will still be part of the statistics of the European Commission.

#### 44. Is there any personal data processing?

AI4Copernicus requires certain types of your personal data, necessary in order to proceed with your application. These personal data types are: a) name, b) address (physical address and email), (c) telephone number. Your personal data will be kept strictly during the Open Call term, solely for the purposes of Open Call and will not be shared with any third party. For any inquiry regarding your personal data and your related rights you may contact [info@ai4copernicus-project.eu](mailto:info@ai4copernicus-project.eu).

#### 45. Can I become part of the AI4Copernicus network and community?

Yes, you can join our community!

AI4Copernicus aims at developing a vibrant community of peers for knowledge exchange, networking and further collaboration processes in an open space format.

You can join us at: [info@ai4copernicus-project.eu](mailto:info@ai4copernicus-project.eu)

In the event you opt to become part of this community you will be asked to fill in an online consent form.

#### 46. When will the grant agreement be signed?

The "Funding and Support Services Agreement" will be signed once the results of the 4<sup>th</sup> Round of AI4Copernicus Open Calls for Uses-Cases will be announced. Before signing the agreement between the consortia of selected projects, a Legal Check has to take place.

#### 47. Should we include activities/effort during the Sustain Phase (M15-M16)?

The last 2 months of the project, i.e. M15 and M16, are related to the project's sustainability activities (e.g., sustainability workshops, etc).

Therefore, during these two months it is expected on your behalf to have a small effort allocation, equal to 1 – 1,5 Person/Month (PM) at maximum.

As such we would kindly ask you to take this into consideration in the course of your planned activities and implementation plans.



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#### 48. What does the Person Month/PM (effort) mean and how should we calculate it?

**Person Months (PM)** are the estimated overall effort allocated by the agency/ies participating in a project for the implementation of the project.

As such one should take into consideration the working time of all personnel involved for the whole duration of the project.

One PM means that the agency involved will need to have an employee, working full time for one month (or two employees working half time, etc.).

Please note that each agency involved must keep sufficient supporting documents (e.g. timesheets to be approved at least monthly by the responsible person) to show that the PMs they declare are eligible.

Moreover, the declared number of PMs must:

- be linked to the implementation of the action,
- be incurred during the action's duration,
- be identifiable and verifiable and
- comply with the applicable national law on taxes, labour and social security.

Kindly note that you can find additional info in this regard on [What is 'human effort' \(person-months\) and how to calculate it?](#)

#### 49. Where can we find the CAMS Air Quality model data service?

The code for the CAMS model output downscaling service is open source and can be found at <https://github.com/mishooax/ai4cop-health-cams> (including a Dockerfile than can be used to build an image for testing purposes).

**Do you have any additional questions that are not covered in this document?**

**If yes, please let us know: [info@ai4copernicus-project.eu](mailto:info@ai4copernicus-project.eu)**



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*find more information at [ai4copernicus-project.eu](https://ai4copernicus-project.eu)*