

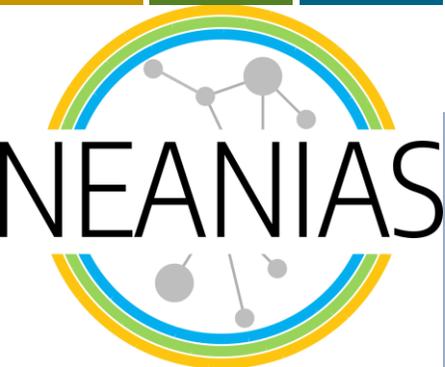
# Neantias Open Call

Introduction



Innomine Group  
Dr. Katalin Kovács

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



Novel EDSC Services for Emerging  
Atmosphere, Underwater & Space  
Challenges

NEANIAS receives funding from  
European Union under Horizon  
2020 Research and Innovation  
Programme under grant  
agreement No. 863448





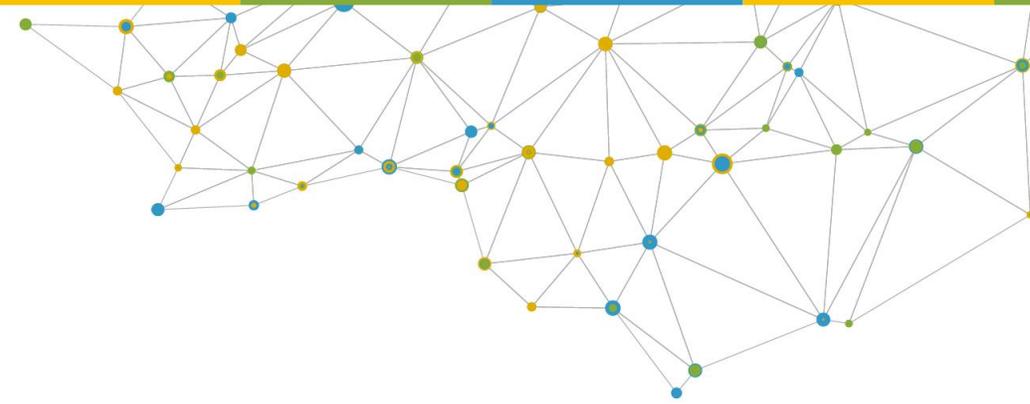
Atmospheric  
Environment



Underwater  
Environment



Space  
Astro/Planet



# What is NEANIAS?

- ◆ **Project full name:** NEANIAS - Novel EOSC services for Emerging Atmosphere, Underwater and Space Challenges
- ◆ **Co-design and delivery of innovative thematic services in three major sectors: Underwater, Atmospheric and Space research**
- ◆ NEANIAS project involves 20 partners from 9 European countries: Greece (4), Italy (5), Germany (3), Hungary (2), Spain (2), France (1), Portugal (1), Luxembourg (1), UK (1).
- ◆ For 36 months we will work to get the expected results for the benefit of scientific research.

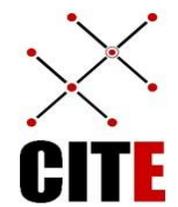
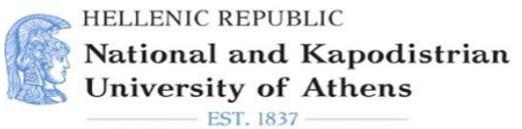


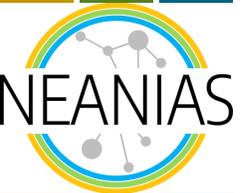
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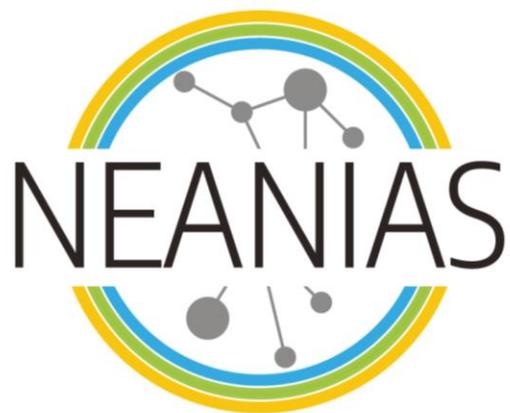
# Consortium





NEANIAS

**Call** for proposals for **Companies, and Teams** of individual researchers to integrate the services developed in the frame of the NEANIAS project.



Atmospheric Environment



Underwater Environment



Space Astro/Planet



Atmospheric Environment



Underwater Environment



Space Astro/Planet



Co-design, Innovative Thematic Services Tailored to Specific Data Cycle Processes

European Startups, Research Group

LACK OF:  
High quality infrastructure  
High quality human resources

Testing in the early phases

NEANIAS Human Resources

NEANIAS High quality infrastructure



+ additional business cases



ENERGY



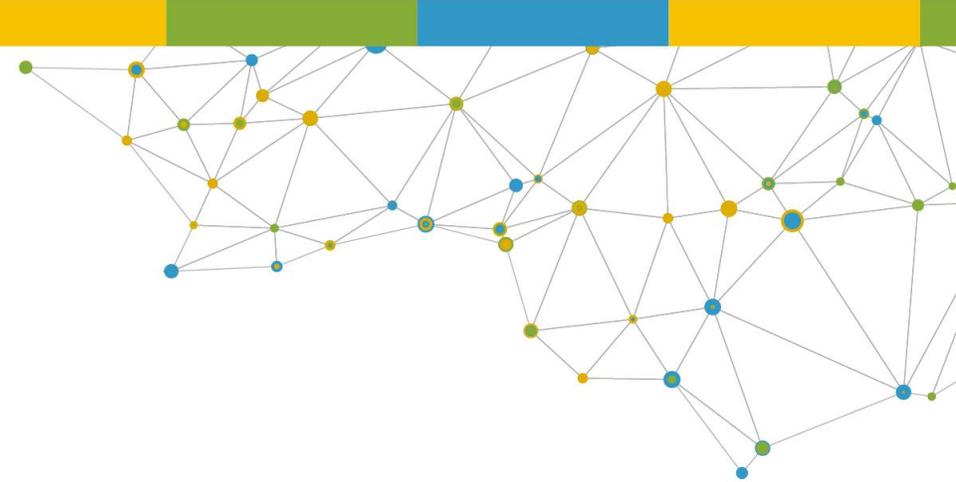
NEANIAS Innovation Hub



Smart Cities



# What kind of projects are we looking for?



## ◆ **Novelty**

By using one or more Services of the NEANIAS project (please check the service list of NEANIAS), a significant impact can be made and achieved on your project in terms of novelty.

## ◆ **Exclusivity**

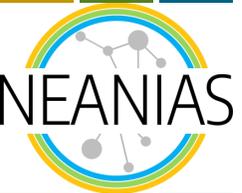
The project can utilise NEANIAS Services, which provide an answer to research needs, which would otherwise not be available by using internal competencies.

## ◆ **Technical excellence and industrial relevance**

The proposed project provides technical excellence, as by developing a new product and/or service, a novel, innovative technology/service can be developed. The developed product has a novelty and relevance in terms of added value in the given industry.

## ◆ **Feasibility, Sustainability, and Viability**

The proposed solution is using NEANIAS Services for a limited period, and by utilising these Services the added value of NEANIAS is straightforward, and quantifiable metrics are defined.



# NEANIAS Service Catalogue

<https://catalogue.neanias.eu>

Space (6)

Underwater (3)

## Category

- ▶  Access physical & infrastructure
- ▶  Aggregators & Integrators
- ▶  Processing & Analysis
- ▶  Sharing & Discovery

## Scientific Domain

- ▶  Engineering & Technology
- ▶  Natural Sciences

## Service Provider

AEROSPACE LOGISTICS TECHNOLOGY ENGINEERING COMPANY (1)

Istituto Nazionale di Astrofisica (3)

Meteorological Environmental Earth Observation (2)

### ADAM DPS - ADAM Data Processing System

**"Data Processing, Cloud Computing, Pipelines submission"**

The ADAM-DPS provides processing services to support the integration and management of data processing pipelines and job scheduling. S2.2 Data processing pipelines are integrated to support the exploitation of planetary [View more...](#)

[ADD TO COMPARE](#)



SPACE

MEEO

### ADAM-Space

**"Seamless access to planetary data"**

A major obstacle in Planetary data exploration is the technical steps involved in exploring the data. The goal of this service is to handle data and provide specific products of broad use (eg, mosaicking) as well as products that [View more...](#)

[ADD TO COMPARE](#)



SPACE

MEEO

### SPACE-ML AstroML service

**"Machine Learning tool for source segmentation and classification in astrophysical maps"**

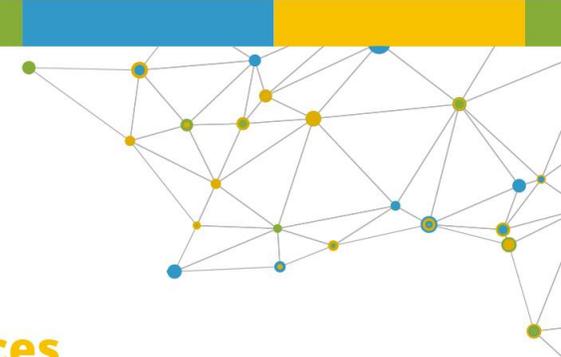
AstroML service has been developed for source identification, classification and characterization of sources in large-scale radio surveys. This includes a deep convolutional neural network based on an instance segmentation



SPACE-ML

INAF

# What else do we offer?



## Support on business development

- ◆ Intros to corporates, companies, investors, and other business stakeholders
- ◆ Business coaching and mentoring
- ◆ Business development support
- ◆ Innovation case implementation support
- ◆ Access to NEANIAS Thematic services
- ◆ Access to NEANIAS Infrastructure
- ◆ Develop your product by using NEANIAS Services within a 3 months project period from the Underwater, Atmospheric and Space thematic fields.

## Access to NEANIAS Thematic services

- ◆ Access to NEANIAS Infrastructure. Develop your product by using NEANIAS
- ◆ Services within a 3 months project period from the Underwater, Atmospheric and Space thematic fields.

## Networking

- ◆ Support from a pan-European network of experts, and be linked to the NEANIAS community.
- ◆ Access to a wide user group developed in the NEANIAS project.

## Promotion

- ◆ Promote your project on NEANIAS channels.
- ◆ Create professional blog posts and targeted social media messages.

# Eligibility criteria

NEANIAS aims to foster the advancement of **interdisciplinary research** and innovation, therefore encourages the application of:

Startups



Established private companies  
from diverse industries (SMEs  
/ Multinationals)



Groups of individual researchers  
/ innovators of  
up to 3 members



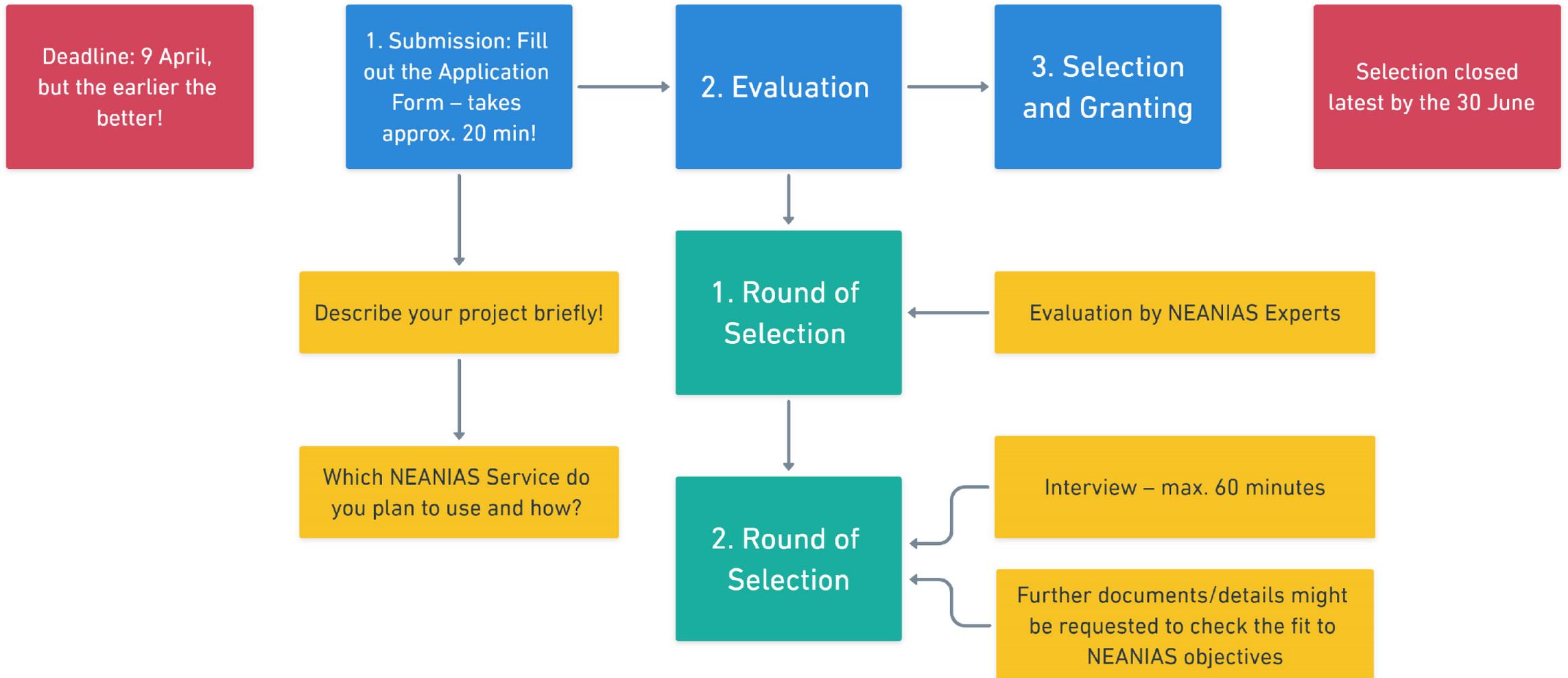
representing a diversified field of research and innovation, which might use the services of NEANIAS with added value to apply.

# Eligible Countries



**Eligible countries:** Described in [Annex A](#) of the Work Programme. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon 2020 projects. See the information in the [Online Manual](#).

# Submission and Evaluation Process



# What happens after selection?

## – The implementation process

1. Project abstract creation
2. NDA signing and evaluation of service needs
3. Proof of Concept (POC) implementation (3 months)
4. Proof of Concept (POC) evaluation (1 week)
5. Case report (1 week)
6. Optional additional support and extension period

# What should you do NOW?

1. Check the [NEANIAS Service Catalogue](#), and decide, which service you plan to use and how
2. In case of doubts contact us: [opencall@neanias.eu](mailto:opencall@neanias.eu)
3. Submit your application

Apply **HERE**

# Helpdesk and support

› In case of any problems while preparing your application, or about any general questions related to the Open Call, please send us an e-mail to: [opencall@neanias.eu](mailto:opencall@neanias.eu)

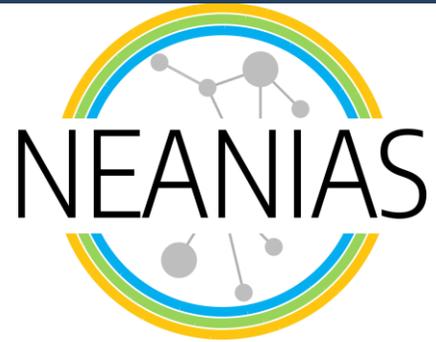
› We continuously share information about the Open Call, therefore we advise you to check NEANIAS channels:

**Twitter:** @Neanias\_eu

**FaceBook:** <https://www.facebook.com/neanias.eu>

**LinkedIn:** <https://www.linkedin.com/groups/13786081/> or #neanias\_eu

**YouTube channel:** Neanias\_eu



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# Thank You!

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