

# Horizon Europe 2022

## Call factsheet



### Space science and exploration technologies

The development of innovative instrumentation (payload) and technologies enabling space science and exploration missions requires timely technology development associated with future space science and exploration missions, including robotic exploration technologies, early stage scientific instrumentation and component technologies for space resources utilisation and space observatories.

#### Scope:

- Development of new and innovative approaches, such as instruments for Cubesats and other small space platforms;
- Advances related to on-site activities such as innovative measurement techniques, increased sensitivity, increased robustness, faster and more accurate data processing or in-situ sample and data analysis.

#### Topics:

- Enable breakthroughs in technologies and scientific instrumentation for space science and exploration missions;
- Validation of novel space/planetary robotic technologies and instrumentation through analogue tests;
- An increased collaboration of scientific, engineering, and industrial teams both within and outside Europe across different domains;
- To strengthen European scientific excellence and support the development of leading edge scientific and technologic research in Europe.



Horizon Europe

The indicative budget for this category is EUR 8.00 (Million).

#### Reference:

**HORIZON-CL4-2022-SPACE-01-82**

Research and Innovation

Opening: 28 Oct 2021

Deadline: 16 Feb 2022

Call overview, Produced 05/10/2021. Visit our website [www.opencalls.space](http://www.opencalls.space)

#### Countries



all

#### Technology



Novel space/planetary technologies and instrumentation

#### Activities



Development of novel European space/planetary technologies

#### Contact



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