

Portuguese Space Catalogue 2023/24 - Research Centre

Thank you for your participation in this survey

By answering this survey, you submit your data to the Portuguese Space Agency - Portugal Space, which will use it in the way it sees fit, namely for the purposes of preparing, updating and disseminating the Portuguese Space Catalogue and processing statistical data on the space sector. Apart from the indication of the contact person and the coordinator/CEO responsible, whose consent to the collection of the identification data for this purpose is expressly given, no personal data is expected to be collected. Any questions regarding the collection of personal data shall be addressed to the Portuguese Space Agency - Portugal Space (through herminia.saraiva@ptspace.pt).

The Portuguese Space Catalogue aims to showcase Portuguese space related companies and research centres, promote their business, and increase the outreach of the Portuguese space ecosystem both within Portugal and internationally.

General Notes:

To be considered for the Portuguese Space Catalogue 2023-24, the replies to the questionnaire must be finished by 20th February 2023.

Any reply submitted at a later stage will be used in future updates of the Catalogue.

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Research Centre Information, Main Projects and Lines of Research

The domains and subdomains presented in the questionnaire (questions 21 to 27) were adapted from NASA JPL Research Topic list.

* 1. What is the name of your research centre?

* 2. Provide an overview and description of your research centre (max. 300 characters).

* 3. Does your research centre have a motto? If so, please share it with us. If not, you can include a small phrase about space, Portugal and the future. Include the author of the quote, if it applies. This phrase will be present in your dedicated page. (max 60 characters)

* 4. Where is your research centre located?

* 5. What is the year of creation of your research centre?

* 6. What type of entity is your research centre?

* 7. What is the affiliation of your research centre?

* 8. What is the logo of your research centre?

Please upload an image of your company logo with a transparent background (minimum 300 dpi; PNG, JPG or JPEG format).

Choose File

Choose File

No file chosen

* 9. Director/Coordinator of the research centre

Name:

Email address (not
to be disclosed):

* 10. How can your research centre be reached?

Email Address:

Phone number:

Website:

Name of Space
PoC:

Email Address
PoC:

* 11. Total Researchers (not to be disclosed). Please provide **absolute numbers**.

Total number of
researchers:

Total number of
researchers with
PhD:

Total number of
PhD students
(2022):

* 12. Space Related Researchers (not to be disclosed). Please provide **absolute numbers**.

Total number of
space related
researchers:

How many are
women?

How many are
foreigner?

How many are PhD
students?

How many have a
PhD?

Average number of
publications per
year:

* 13. Budget 2022 (or if not possible, 2021)

Total budget (k€):

Budget Year:

% budget related
to space:

* 14. Please specify the origin of the space-related funding:

% private funding

% FCT
(pluriannual
funding and
projects)

% EU (EU Space
Programme,
Horizon Europe,
PT2020/2030,
PRR, others)

% ESA

% Other public
funding (specify)

15. Describe other areas of activity or lines of research (not space related) and please provide brief example for each one.

* 16. List (by order of relevance) and provide a description of your main space related projects or technologies developed (up to a maximum of three) and their TRL. If your product has flown in a mission, please mention it. (max 90 characters for each description)

Project /
Technology 1:

Project /
Technology 2:

Project /
Technology 3:

* 17. You can upload a first picture that illustrates your projects/technologies here.

PNG, JPG or JPEG files only. Please make sure the file has a clear title.

Choose File

Choose File

No file chosen

18. You can upload a second picture that illustrates your project/technologies here.

PNG, JPG or JPEG files only. Please make sure the file has a clear title.

Choose File

Choose File

No file chosen

19. You can upload a third picture that illustrate your project/technologies here.

PNG, JPG or JPEG files only. Please make sure the file has a clear title.

Choose File

Choose File

No file chosen

* 20. In case you have uploaded pictures before, provide a title/caption for them.

Picture 1 caption:

Picture 1
copyrights:

Picture 2 caption:

Picture 2
copyrights:

Picture 3 caption:

Picture 3
copyrights:

21. In the next questions, you will find a list of research topics. Please select if and only those which apply to your research centre.

Earth Sciences

- ☐ Atmospheric dynamics and composition
- ☐ Carbon cycle and ecosystem
- ☐ Sea level and ice
- ☐ Solid Earth dynamics and natural hazards
- ☐ Water cycle
- ☐ Others (specify)

22. Planetary Sciences

- ☐ Astrobiology & Ocean Worlds
- ☐ Geosciences
- ☐ Planetary & Exoplanetary Atmospheres
- ☐ Planetary Interiors & Geophysics
- ☐ Earth observation payload data exploitation
- ☐ Small Bodies of the Solar System
- ☐ Others (specify)

23. Astrophysics and Space Sciences

- ☐ Exoplanet Discovery and Science
- ☐ Interstellar and Heliospheric Physics
- ☐ Cosmology
- ☐ Structure of the Universe
- ☐ Space Weather
- ☐ Others (specify)

24. Spacecraft and Robotic Technologies

- ☐ Advanced Propulsion and Power
- ☐ Structure analysis
- ☐ Thermal analysis
- ☐ Aerodynamics
- ☐ Acoustics
- ☐ Manufacturing
- ☐ Autonomy (creation and optimization of S/C activity plans)
- ☐ Avionics and Flight Software
- ☐ Mobility & Robotics
- ☐ Precision Formation Flying
- ☐ Survivable Systems for Extreme Environments
- ☐ Others (specify)

25. Communication and Navigation (fill only those that apply)

Telecommunications (specify):

Optical communications (specify):

Navigation (specify):

Others (specify):

26. Computing and Software

- ☐ Artificial Intelligence
- ☐ Lifecycle Integrated Modelling and Simulation
- ☐ Mission System Software
- ☐ Others (specify)

27. Instrument Technologies

- ☐ Detectors and Instrument Systems
- ☐ In-Situ Planetary Exploration Systems
- ☐ Large Aperture Systems
- ☐ Spectroscopy
- ☐ Others (specify)

28. Management and Economics

- ☐ Space business models
- ☐ Space economy and economics
- ☐ Others (specify)

29. Space Law

Specify:

30. Others

Specify:

* 31. Select at least one and a maximum of three **most relevant** space-related research domains for your research centre

- ☐ Earth Sciences
- ☐ Planetary Sciences
- ☐ Astrophysics and Space Sciences
- ☐ Spacecraft and Robotic Technologies
- ☐ Communication and Navigation
- ☐ Computing and Software
- ☐ Instrument Technologies
- ☐ Management and Economics
- ☐ Space Law
- ☐ Other (specify)

* 32. List your main partners (companies, research centres, other institutions - this information will not be disclosed).

33. Include a list of your relevant certifications.

34. Is there any other relevant information you would like to share? (Max. 150 characters)

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**You have reached the end of this survey. Thank
you for your participation.**

Any questions you may have can be directed to the Portuguese Space Agency -
Portugal Space by contacting:
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nuno.gomes@ptspace.pt