



CONGRESS ABOUT TRANSFERS OF TECHNOLOGIES  
AND BEST PRACTICES BETWEEN SPACE,  
AERONAUTICAL AND HEALTH INDUSTRIES

MediSpace  
Challenge by **AIRBUS**  
DÉVELOPPEMENT

MEDISPACE CHALLENGE 2019  
CALL FOR APPLICATIONS

RULES



ORGANIZED BY :



**MATERIALS**

**ROBOTICS**

**SATELLITE /  
NAVIGATION /  
TELEMEDECINE**

**3D IMAGING**

**IA / DATA**



## RULES OF THE CALL FOR APPLICATION

### 1) CONTEXT AND OBJECTIVES :

AIRBUS DÉVELOPPEMENT contributes to the development of innovative startups and SMEs.

MEDISPACE is a congress dedicated to technology transfers between the 3 Spatial, Aeronautical and Health industries.

AIRBUS DÉVELOPPEMENT is one of the major partners of the latter. MEDISPACE within its program offers a «Call for Applications» (CFA) to startups and innovative SMEs that have a project under development whose technological model concerns one of the 3 industries (Space, Aeronautics & Health)

On the occasion of the next MediSpace Congress 2019 (December 11<sup>th</sup> & 12<sup>th</sup>), 2019 CFA will be identified by the following title:

#### « MEDISPACE CHALLENGE by AIRBUS DÉVELOPPEMENT »

MEDISPACE CHALLENGE by AIRBUS DÉVELOPPEMENT aims to support startups and SMEs innovative focusing on projects in the aerospace and health space sector.

(See Appendix for a list of the development axes of the MediSpace environment and the examples of the subjects concerned).

AIRBUS DÉVELOPPEMENT wishes by this experimentation to generate targeted support that goes beyond the simple seed subsidy.

Through the targeting of MEDISPACE CHALLENGE, AIRBUS DÉVELOPPEMENT will be able to support start-ups and innovative SMEs until the proof of concept with the engineering or research and development teams of the other MEDISPACE partners.

The funding provided as a grant will enable startups to fund some missions and working meetings with the MEDISPACE partner teams.

The 2 main objectives of the 2019 CFA :

- Concretely identify the lines of collaboration
- Define the proof of concept if a project materializes

There is no obligation of result, but AIRBUS DÉVELOPPEMENT offers to startups and SMEs innovative who will be selected in the 2019 CFA ways to identify and build a partnership with the MEDISPACE partner teams as part of the proposed technologies.

operating principle CFA 2019 :

- 5 major themes (see the attached themes).
- 3 selected candidates on file presentation by theme
- 1 selected project by theme

- Among the 5 selected projects, the best of them will be offered additional support from AIRBUS DÉVELOPPEMENT by the provision of an «innovation loan» worth € 100 K

### 2) SUBSIDIES :

CFA 2019 will have a maximum amount of 25k € for all startups that will be selected by the MediSpace Board (5000 € / start-up)

Depending on the results of the selections, and depending on the themes selected, startups and SMEs innovative who can be subsidized will receive their prize at the MEDISPACE 2019 Congress on December 12<sup>th</sup>.

AIRBUS DÉVELOPPEMENT reserves the right to reduce the number of prizes awarded if the call for applications does not receive enough candidates.

### 3) GRANT ALLOWANCES :

The 2019 CFA grants funding framework provides for the signing of a development agreement between AIRBUS DÉVELOPPEMENT and the innovative startup or SME for a period of up to three years that will identify engineering and/or R&D correspondents within the MEDISPACE partners to identify potential cooperation.

### 4) AGENDA & SELECTION :

2019 CFA «MEDISPACE CHALLENGE by AIRBUS DEVELOPMENT» is open from July 15<sup>th</sup>, 2019 to October 30<sup>th</sup>, 2019.

Applications will be submitted online on the MEDISPACE Congress website ([www.medispace2019.com](http://www.medispace2019.com)) and in the tab «CALL FOR CANDIDATURE 2019».

The selection of the best files \* (according to criterias referenced by members of MediSpace Board) will be exclusivity on the applications documents.

The result will be communicated by return to startups and SME candidates.

All applicants will be informed of their selection (or refusal) by return mail.

### 5) ORGANIZATION :

**Phase 1: July 15<sup>th</sup>, 2019 - November 8<sup>th</sup>, 2019:**

Receipt of project applications online on the MediSpace website:  
www.medispace2019.com

**Phase 2: November 9<sup>th</sup> - November 29<sup>th</sup>, 2019:**

Analysis and selection of the 3 selected files by theme.

**Phase 3: December 2<sup>th</sup> to 4<sup>nd</sup>, 2019:**

Mail information to all candidates for the results of the consultation.

**Phase 4 : December 11<sup>th</sup>-12<sup>th</sup> 2019 :**

During the MediSpace Congress, 10-minute interviews will be held between the selected and representatives of the MediSpace Board and industrials identified by AIRBUS DÉVELOPPEMENT.

Announcement of the 5 projects identified and selected at the Congress cocktail. Each startup and SMEs will have 5 minutes of presentation of its project for additional information to the file initially addressed.

The jury will then have 5 minutes of questions.

**6) DEVELOPMENT AGREEMENT :**

Development agreements will be sent for signature to selected startups and SMEs during the first quarter of 2020.

**7) DIVERSE :**

The 15 selected candidates will benefit from free admission to MEDISPACE 2019 Possibility of pre-registration to schedule B2B appointments.

The winners will be invited to the AIRBUS DÉVELOPPEMENT stand for a better visibility during the Congress.

**APPENDIX :**

The 5 themes of MediSpace:

- 1 / Materials
- 2 / Robotics
- 3 / Satellite / Navigation / Telemedicine
- 4 / 3D & Imaging
- 5 / IA / Data

Some examples of themes with their applications according to the industries :

Themes	Spatial / Aero application fields	Fields of application for health
Human Machine Interface	Inhabited launchers, cargo tankers, probes, orbital stations ...	Ergonomics, cognitive psychology
IA	Big data analytics, Massive Intelligence, IA for massive correlation and analysis, image processing	
Communication	Architecture, wireless, reconfiguration, standards, modulation, antennas, data rates ...	Social psychology, Neurology (auditory functions, language), protection / waves
Cyber security	Sensitive Communications & Digital Services & Data Protection & Access ...	
Weightlessness	Operability, infrastructures, physical activities, return to Earth	Physiology, cardiology, motor skills
Environment	Spacewalk	Stress management, radiation exposure, vital parameters
Life in space confined	Layout, organization, processes	Stress management, group psychology, cultural profiles ...
Life cycle	Task planning, fatigue management	Neurology, biological rhythm, disturbed circadian cycles, sleep management
Materials for space	Degassing, pollution, performance, protection	Toxicity, performance
'New space'	New service opportunities, perception of space	Evolution of life
Exploration	Extreme constraints, isolation	Medical assistance to distance, TV operation
Conception	Simulation, augmented reality, advanced design	
Robotics	System, cobot, remote robot, distributed ...	Operative robotic telecare
New sensors	Telemetry, alarms, operation	Physiological measurements
ETC .	ETC.	ETC.

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