



ActInSpace

25 and 26 May 2018

ActInSpace®

Guide for Space Experts at the world support centre

ActInSpace[®]: Challenges for students, apprentices, entrepreneurs and/or space lovers.

ActInSpace was designed and launched by CNES, which is the design authority and organiser in France. The ESA ensures its international reach. ESA BIC Sud France, coordinated by the Aerospace Valley cluster, is the event operator in charge of setting up this event, which is dedicated to students but open to everyone.

The purpose of this contest is to promote the use of space technologies for citizens and our planet by organising a major public event focusing on the challenges of space. More than 3,000 candidates are expected in more than 70 cities around the world.

Objectives

The objectives of ActInSpace are to:

- Develop an entrepreneurial spirit in young people.
- Demonstrate that space drives innovation in employment and economic development in a sphere that reaches beyond its usual ecosystem.
- Create an attractive event that confirms the dynamic image of space.
- Participate in the adoption and reuse of space technologies and data.
- Identify future candidates, for the short or medium term, for regional incubators, the ESA BICs and partners.

Key points

On Friday 25 May, candidates must form teams of up to five people – preferably with complementary backgrounds. They will have 24 hours to resolve one of the challenges developed by the organisers, which focus on the use of space-related technologies in everyday life.

In each city, the teams will present their work to the jury on Saturday 26 May starting at 15:00. Deliverables may be in the form of a mock-up, a presentation, and Hackathon-style software, etc.

If several cities from the same country are participating, the winning regional teams will face off in a national final. The winners of each country will be invited to the international final which will be held in Toulouse on 27 June 2018, at the Toulouse Space Show 2018

<https://www.toulousespaceshow.eu/tss18/>.

There are significant prizes to be won at both the national and international finals (see <https://actinspace.org/>).

The projects produced – whether they win or not – will subsequently be supported, if the candidates wish, via the ESA BICs and the other partners of the event, with a view to allowing the emergence of start-ups in the field of space applications.

www.actinspace.org

entreprises.cnes.fr/ActInSpace



[@ActInSpaceFr](https://twitter.com/ActInSpaceFr) and [#AIS2018](https://twitter.com/AIS2018)

[ActinspaceFr](https://www.facebook.com/ActinspaceFr)

Schedule for the weekend of 25/26 May

FRIDAY 25 MAY

13:00 - 13:30: Candidate welcome

13:30 - 14:00: Welcome messages from central organisers and information from regional organisers

14:00 - 15:00: Selection of challenges / finalisation of teams

15:00: Challenges begin

16:30 - 18:00: Information on various subjects with space experts and coaches.

20:00: Evening meal

21:00: Work continues long into the night.

SATURDAY 26 MAY

09:00: Breakfast

10:30 - 12:00: Coaches work with each team to take stock of progress on the challenges

13:00: Lunch

14:00-15:00: Finalisation of presentations and practice for the pitch (with support of coaches)

15:30: Presentation of projects to a jury of professionals

16:30: Deliberation by the jury/juries

16:45: Prizes awarded on each site

17:00: Closing cocktail

Note: This standard schedule may be modified in certain cities.

What is expected of the Space Experts at the support centre

Your role is to provide technical and scientific expertise to help understand the technology behind a challenge when the candidates ask questions. We hope that you can provide an answer in less than 15 minutes to any question asked by the candidates on Friday 25 May, regardless of their city of origin (36 countries). Naturally, you can continue to respond to questions on Friday after 19:00, but there is no obligation.

INTRODUCTION

The competition is open to all, and candidates may have very different backgrounds and levels. For some candidates, this may be their first contact with the world of space, which we hope will grab their interest. Experts will need to be patient and willing to teach throughout the weekend.

PREPARATION PRIOR TO FRIDAY 25 MAY

If they wish, the experts may attend the preparatory meeting with the candidates scheduled on 15 May at 17:00, in the city where they will be physically present on 25/26 May.

They must contact the central organisation (alexia.freigneaux@cnes.fr or pierre.ramet@cnes.fr), which will go over the list and determine with them which challenges and/or technical fields they would like to help candidates with, and the times they are available.

We recommend that they read the challenges first.

ROLE ON FRIDAY 25 MAY UP TO 19:00

As soon as participants have a question about a challenge, they will turn firstly towards the space experts present in their city. If none of them has the answer, they will contact the technical support available on the site <https://actinspace.org/> that we call **ChatSpert** and that you will help us host.

You will need to bring your own laptop computer.

ROLE AFTER 19:00 ON FRIDAY 25 MAY

Experts are free to continue to offer advice after 19:00, but no commitment is required, and no guarantee of their availability will be given to candidates.

HOW CHATSPERT WORKS

This information will be contained in a dedicated sheet. This support service will be operational until the event ends.



PHYSICAL LOCATION OF EXPERTS DURING EVENT

The experts can locate themselves where they wish. A PC with an Internet connection is all they need to be operational. In some cities, a dedicated ActInSpace room will be provided. This will be the case in Toulouse.

EQUIPMENT REQUIRED

Experts must have their own laptop computer in order to connect to the site <https://actinspace.org/>. It is also preferable that they be reachable by phone.

www.actinspace.org

entreprises.cnes.fr/ActInSpace



[@ActInSpaceFr](https://twitter.com/ActInSpaceFr) and [#AIS2018](https://twitter.com/ActInSpaceFr)

[ActinspaceFr](https://www.facebook.com/ActinspaceFr)

The challenges

Many challenges are proposed to give the candidates choices and the option of selecting several challenges that meet their objectives and areas of interest. For the sake of clarity, the challenges are identified by 2 labels, 3 categories, and tags.

LABELS

Labels allow candidates to know whether a challenge can easily lead to starting up a business, and therefore to competing for the ActInSpace grand prize.

The ActInSpace In challenges: AIS-IN

Most of the challenges were designed to allow participants to develop their entrepreneurial spirit through space technologies (patents, data, software, infrastructures, etc.) and start a business project. Challenges identified by the **#AISIn** label are those that we believe fit this model.

The ActInSpace Off challenges: AIS-OFF

ActInSpace is open to challenges that will not necessarily lead to a start-up project, but more probably an association or project with an environmental and/or societal impact, and that will need to be developed over the medium/long term. These challenges are identified with the **#AISOff** label.

Note:

One of the purposes of ActInSpace is to promote the creation of start-ups. To win the ActInSpace grand prize, the projects proposed will therefore need to have real start-up potential. In our experience, we believe this is more feasible with the AIS-IN challenges, but if an idea for starting up a business were to emerge from an AIS-OFF challenge, it would be just as eligible for the grand prize. Challenges with the **#AISIn** and **#AISOff** labels also give access to prizes other than the ActInSpace grand prize.

THE CATEGORIES

Categories are used to indicate what we believe is the most likely end purpose of the application/service you may launch. A challenge generally falls under a single category, but in some cases it can cover several.

Everyday Life Business *#EveryDayLifeBusiness:*

Challenges in this category allow candidates to propose a start-up project based on space-related technologies or data and involving applications/a service for everyday life (not space-related).

Be a new space actor *#Space4.0:*

Challenges in this category represent an opportunity to become a new space industry actor by applying innovations and technologies from other fields to the space sector.

Space for humanity *#Humanitarian:*

Challenges in this category propose to dedicate space-related technologies to humanitarian or environmental causes. We have included the space exploration challenges in this category.

Note:

Participants are free to propose the usage of the space technologies/data proposed in the challenges. The categories present the types of applications that we feel are the easiest to achieve, but they are for information only.

THE TAGS

A tag is a keyword that allows grouping of challenges with shared characteristics, often tied to the space sector or to non-space technologies. The tag cloud below characterises the challenges and allows their selection:

#EarthObservation #Satellite #Navigation(GNSS) #Drone #Balloon #SpaceOperation #Optical
#Electronics #ImageProcessing #Materials #Robotic #BigData #ArtificialIntelligence
#InternetOfThings #Moon #Mars #ISS #Exploration #SpaceExperiment #Ecology #Health
#Science #Software #Data #Patent #EveryDayLifeB2C #EverydayLifeB2B

Note:

Each challenge is linked to several tags. Challenges can be sorted by tags on the international site: <https://actinspace.org/>.