



SPACE  
EXPLORATION  
MASTERS

Initiated by



European Space Agency

Organised by



Space of Innovation

# ESA Space Exploration Masters ?



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## *Innovation Competition to drive Space Exploration benefits*



Access a **global audience** working with ESA



Be an active **player** in **Space 4.0**



Access a group of innovative **problem-solvers**



Drive your business with **new solutions**



Join your voice for **innovative Space Exploration** purposes



**Discover** how Space Exploration enables the UN Sustainable Development Goals



# Space Exploration Masters - 2017



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**Innovation**  
125 business cases  
evaluated by  
36 outstanding  
experts

**Economics**  
> 50 Startups

**Network**  
7 diversified  
partners

**Global Outreach**  
430 Participants  
from 34 Nations



ASTROSAT



AIRBUS

Merck KGaA  
Darmstadt, Germany

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# Space Exploration Masters - 2018



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ESA Health & Food Challenge



ESA & Commercial Partners Challenge



SpaceResources.Lu Challenge



Astrosat & Huntsville Challenge



Sustainable Exploration Challenge



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# Space Exploration Masters 2018



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## ESA Challenge: *Malfunction is not an option*

- Inviting resilient systems to assure on-orbit exploration operations, e. g. related to energy provision, life support, plant germination, material process, etc...The ideas shall be flyable in a cube/cube-sat size [1U] on:



Bartolomeo

– all-in-one mission service

AIRBUS



- Prize is tailored *ready-to-be-on orbit package*: ~50 k€ market value



Prize for the best business model: 40k€ implementable case study



# Space Exploration Masters 2018



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## ESA Challenge: *Remove before flight*

- Inviting innovative keys to open up the current stressors to a healthy food provision for Space Exploration missions and raise awareness to improve food and nutrition security on Earth
- Target groups of start-uppers teaming up with established entities to deliver the solution to market at global level

### Prize



Award Ceremony

Global visibility

Cross fertilization

Development



Prize for the best business model: 40k€ implementable case study

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## How do I get involved ?



Application from the web-site:

[www.space-exploration-masters.com](http://www.space-exploration-masters.com)

Competition is open

**Good Luck !**

