HyperGES 3rd round Announcement of Opportunity Webinar

26 June 2023
10:30 & 16:30 CEST
1) **USE THE chat box to ask questions** and do not raise your hand

2) Please **ANSWER OUR QUESTIONNAIRE** that we will put in the chat box later on

3) Please use the hashtag **#AccSpace4All #HyperGES** and follow, like, and share **@UNOOSA** to help us promote this event!
HyperGES

- Partner: European Space Agency (ESA)
- Established: 2019
- Aims to provide educational or research institutions with opportunities to conduct a series of hypergravity experiments at the Large Diameter Centrifuge (LDC) facility at the European Space Research and Technology Centre (ESTEC) in the Netherlands.
- The LDC allows samples to be exposed to acceleration forces of 1-20 times Earth’s gravity. The experiment series consists of 1-2 weeks for on-site experiment integration/preparation and actual experiment campaign.
- The first round awardee from Thailand will test the effect of hypergravity on watermeal, as a possible food source for space exploration. The second round awardees from Macao that will will analyse the medical and biotechnological potential of fungi for future space exploration and from Bolivia will examine the break-up of human red blood cells to get a better understanding of anaemia in space.
Learn from the Past Awardees!

Through the various programmes under the initiative, UNOOSA has awarded opportunities to 30 awardees from all regions. The awardees conduct various activities, not only for the development of science and technology, but also outreach, education, and other impactful actions. Learn more about the awardees and their related activities.

Access to Space for All Awardees News

- Hypergravity/Microgravity Track awardees
- Satellite development track awardees
- Space exploration track awardees

- Bartolomeo Awardees
- China Space Station Awardees
- Dream Chaser Awardees
- DropTÉS Awardees
- HyperGES Awardees

PARTNERSHIP

Partnership is a distinctive feature of the Initiative. The Access to Space for All Initiative is only possible thanks to partnerships with various public and private actors, who are contributing to the initiative in various manners. New contributions to the Initiative are possible and encouraged. Contact us at unooosa-access-to-space(at)un.org.
## Access to Space for All
### Education Component

### Conducting R&D in Hypergravity/Microgravity Webinar Series

9 webinars with 45 speakers from 40 entities in 13 nations

Covered technical and fundamental knowledge on:

- Benefits of conducting R&D in Hypergravity/Microgravity environment
- What type of R&D can be done (with examples from life science, physical science, and technology demonstration)
- Existing available platforms, opportunities, and networks

[https://www.unoosa.org/oosa/en/ourwork/access2space4all/HMTrack_Webinars.html#Tag6](https://www.unoosa.org/oosa/en/ourwork/access2space4all/HMTrack_Webinars.html#Tag6)

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### Gravity has (mainly) impact on:

- Weight
- Hydrostatic Pressure
- Convection
- Buoyancy
- Sedimentation

[Diagram showing the impact of gravity on various aspects]

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[QR Code and Logos]
Any questions?

Contact us

✉️ unoosa-access-to-space@un.org

Help us help

#AccSpace4All

For more stats and information, check out the brochure!