

# UZH Space Hub Newsletter



Dear UZH Space Hub Community

In this newsletter, you can find interesting news, events and space-related opportunities in the Swiss landscape and beyond.

Have a nice read,

UZH Space Hub Team

## News

### European Space Deep-Tech Innovation Centre ESDI

On May 17, 2022, State Secretary Martina Hirayama and Josef Aschbacher, Director General of the European Space Agency (ESA) signed a Memorandum of Cooperation between Switzerland and the ESA to establish the new Centre of Excellence, the European Space Deep-Tech Innovation (ESDI) at the Paul-Scherrer Institute (PSI). The aim is to close the gap between academic research and economic developments in space.

[Read more](#)

### ARES Imaging Spectroradiometer

Congratulations to our UZH Space Hub member Andy Hueni and his team to the next major milestone. Together with collaborators from ZHAW and EPFL, they managed the technical handover of the Airborne Research Facility for the Earth System Imaging Spectroradiometer (ARES-IS) sensor at NASA-JPL in Pasadena, California. The first test flight with ARES-IS on board is planned for later 2022 / early 2023. This instrument will serve the imaging spectroscopy community and allow diverse applications in research fields comprising vegetation properties and functions, species mapping, water quality, snow and ice, trace gas monitoring e.g. methane, geology, and many more. Image credits: NASA/JPL (taken by ARES-IS in true colors!)



### Documentary on UZH Experiment on the ISS

How can human mini-organs from space accelerate drug development and reduce the need for animal testing for toxicity? Do not miss the impressive 3sat NANO-documentary (in German) about the public-private research project of UZH Space Hub members Oliver Ullrich and Cora Thiel and the importance of the airfield Dübendorf for innovation.



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### Living Planet Symposium

Living Planet Symposium  
Between 23 and 27 of May 2022, researchers and engineers were discussing about Earth Observations, climate and biodiversity, satellite missions or impact on economy and society during the ESA Living Planet Symposium in Bonn, Germany. UZH was strongly represented with 9 contributing authors and many more participants presenting their involvements in diverse ESA-related research projects such as satellite missions and climate change initiative programs. Image Credits: C.Röösli (middle: LPS exhibition, right: presentation of MELT, a documentary of the Gornergletscher with ESA astronaut Luca Parmitano and Paul Frank (GIUZ, UZH) among others).

## Events

### Space Café - From Academia to Space Industry: Beyond Gravity

Are you curious about working in Space-related industry after your time in academia? What possibilities do exist for PhDs or postdocs with only little practical experience in industry? How can you successfully do this transition from university to the non-academic world? Listen to our speakers who work in different positions at Beyond Gravity (formerly RUAG Space), a Swiss based space company providing structures for satellites and all types of launch vehicles. Join us on **June 23, 2022, at 14:00**, to learn more about their career journey and get practical advice on how to use your space-related knowledge and skills in the industry sector. This event will take place in a hybrid mode, on-site (Irchel campus, limited seats) and online. Registration is free on our webpage.



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### Horizon Europe Info Day – Funding Opportunities for Switzerland

What are the advantages for Swiss based researchers and innovators when applying to the European Framework Programme? Attend the annual EUREsearch event in Bern on June 14, 2022, to discover such opportunities, listen to success stories, network and ask your own questions directly to experts.

[Read more](#)

### Roundtable on future of commercial space exploration

Join the Community of the Business in Space Growth Network for the 3rd edition of Space for Inspiration, taking place on 12-13 July 2022 at ESA's Space and Technology Centre (ESTEC, and live stream) with inspiring talks, engaging roundtable discussions and interactive workshops tackling the future of commercial space exploration.



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## Opportunities

### Career in Space

Space Exchange Switzerland is the new national platform for the promotion of space in Switzerland. If you are you a student interested in working in the space sector, you can take advantage of mobility grants for space traineeships and personal advice with a career specialist. Find out more in the [SXS career webpage](#) and subscribe to the [dedicated mailing list](#).

[Read more](#)

### Fly your satellite! Design Booster

Do you have a CubeSat project and a preliminary design with your students colleagues? Get support from ESA through the *Fly Your Satellite! Design Booster* programme.

ESA specialists will review the design of the University's satellite, identify potential improvements or issues and assist in solving them, allowing to maximize the chances of success of the CubeSat missions. Deadline for [proposal submission](#): October 2, 2022. If you have questions, attend the [information sessions](#) on June 8 or September 7, at 16:00. Image credits: ESA.



[Read more](#)

### Test Opportunities programme

The *Test Opportunities* pilot programme is an educational opportunity offered by the ESA Academy for University student teams who would like to receive support and training in conducting an environmental test campaign for their CubeSat. The teams will receive support with the preparation and execution of environmental testing of their designed and built hardware through dedicated access to the CubeSat Support Facility (CSF). [First deadline](#) for proposal submission: October 1, 2022. If you have questions, register for the [information sessions](#) on June 8 or September 7, at 15:00. Image credits: ESA.



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