On the path towards an interplanetary species, students are creating technology bricks to build a habitat in which life is worth living in.

In the first ESA_Lab@ project, student teams across Europe are developing a series of modular demonstrators, that combined together, will set the foundation for living in space.

Ideas for everyday life find their way out into space, with possible return solutions for better living on Earth. Brick by brick these technologies will create the cornerstones for a community expanding in space.

Supervised and supported by their university the student teams
- materialise their demonstrators
- establish local partner and sponsors networks
- interact with other teams

Contribute your cornerstone to the international habitat!

Students
Do you have a great idea? Do you want to be part of the community and gain valuable hands-on project experience?
Form a student team at your local university and find a local supervisor.
Materialise your vision and interact with other students across Europe.

Professors, Institutes and Universities
Are you the expert in a specific field related to habitat development? Do you want to show your competence on an international scale? Combine your research with the habitat, and engage and supervise motivated students to build a demonstrator.

Industry Partners and Philanthropists
Are you innovating products of the future on Earth or in Space? Do you aim to get in contact with the talents of tomorrow or just support their drive for new technologies and science?
Support a local student team focussing on your competence field! Represent your innovative business and network on a pan-European scale.
ESA_Lab brings together student teams developing their demonstrators

**ENVIRONMENTAL MONITORING**
*Did you know?*
Humus soil binds an essential part of humidity and CO2 on Earth, which benefits our living conditions.

**CONCEPTION AND STRUCTURE**
*Did you know?*
Aerogel consists of more than 90 percent air-filled pores and was originally developed as an insulator for space suits.

**PROTECTION AND SAFETY**
*Did you know?*
The annual radiation exposure on the way to Mars is 2190 times higher compared to Earth.

**LIFE SUPPORT**
*Did you know?*
6 litres of water are needed to produce 1 kg of strawberries.

**ROBOTS AND TECHNICS**
*Did you know?*
So far no one was able to create a robot that takes care of laundry in space.

**CREW HEALTH**
*Did you know?*
Scientists crystallized proteins in space to produce artificial cat blood for surgery on our beloved pet on Earth.

**LOGISTICS**
*Did you know?*
To build the Starwars Death Star you would need $117 \times 10^{23}$ launches of the Ariane 5 rockets.

Contact us!

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Image credits: ESA/NASA