

A space-themed graphic featuring a large Earth in the center, a red Mars in the upper left, and a grey asteroid in the upper right. A rocket is shown launching from the Earth's surface. In the foreground, there is a silhouette of a lunar base with a rover, a person, and a dome structure on a dark, hilly landscape.

Space Resources Week Startup Support Program

21 April 2021

LUXEMBOURG
**SPACE
RESOURCES
WEEK**

esric

Early-Stage Startup Support Program

ESRIC

- I. Introduction
- II. Objectives
- III. Partners



The European Space Resources Innovation Centre



LUXEMBOURG
INSTITUTE OF SCIENCE
AND TECHNOLOGY



ESRIC aims to become the internationally recognised **centre of expertise** for **scientific, technical, business** and **economic** aspects related to the use of space resources for human and robotic **exploration**, as well as for a future **in-space economy**.

Established by **LSA** and **LIST** as a national innovation centre in the field of space resources.

ESA joined as a strategic partner.

Implemented as a department at LIST, with a dedicated governance and branding.

Other partners may join ESRIC to develop new ideas and projects.



ESRIC allows to address objectives of both SpaceResources.lu & ESA's space resources strategy



ESRIC develops activities in four main areas:

Research

Research is at the heart of ESRIC's mission to build a future in-space economy.

ESRIC will establish world-class labs and testing facilities to undertake ground-based R&D along the space resources value chain.

Knowledge

ESRIC will provide a source of up-to-date information on developments related to space resources utilization.

Business

ESRIC will support commercial initiatives from established players and start-ups, enable technology transfer between space and non-space industries and encourage public-private partnerships and new initiatives.

Community

ESRIC will help to connect the space resources community by creating an open and collaborative environment to encourage dialogue and exchange of ideas.

I. Introduction

- **Early-Stage Startup Support Program** to facilitate technical proofing, market validation and business development of ideas connected to space resources
- **Three-phases** support programme



Value Proposition

I. Introduction



**Technical
Equipment & Support**



**Funding
Opportunities**



**Luxembourg, a Key
Space Resources Player**

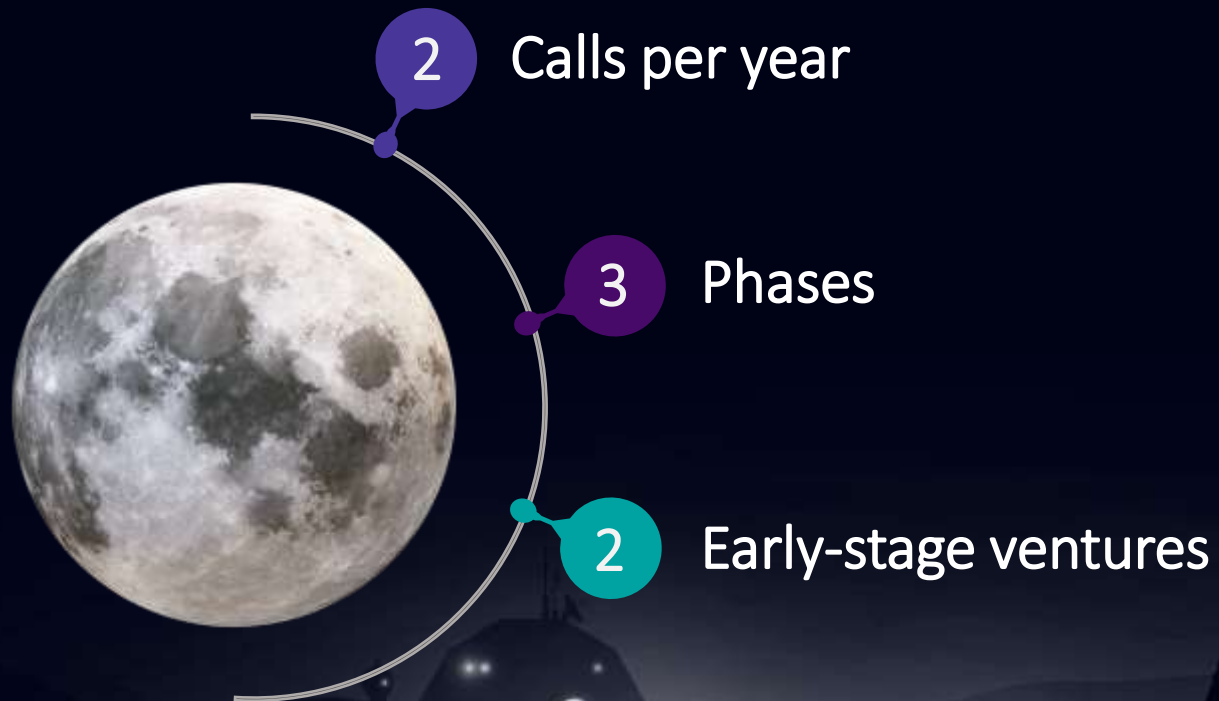


II. Objectives

- Support the specific needs of early-stage ventures to prove their **technological value proposals** that will enable **near-term sustainable business** models within terrestrial/space applications and Space Resources utilization
- Support startups in Luxembourg with access to **non-dilutive** and **non-refundable funding**



II. Objectives



- 2021 - semester 2
- 1 call / semester
- Phase 1: Concept Proofing
- Phase 2: Incubation >> 24m
- Phase 3: Residency >> 36m
- Space Resources
- Terrestrial & Space Applications

Space Resources Initiative

III. Partners

f {Technologies ; Knowledge ; Businesses ; People}



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3 Phases Support Program.

1. Concept Proofing Stage (3 months)



- Qualification and Validation phase
- Validate technical development and its alignment to market opportunities
- 5 startups

2. Startup Launchpad (24 months)



- Technical and market validation phase (+Funding)
- Confirm technical value proposal and first pilot customers/field tests
- 1 startup / batch from Stage 1

3. Residency Stage (36 months)



- Business development phase
- Follow-up on technical development and grow sales/customer pool
- <1 start-up / batch from Stage 2

Thank you

Lari CUJKO

Startup Program Lead
lari.cujko@esric.lu



Olivier ZEPHIR

Incubation Lead
olivier.zephir@technoport.lu



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