

17:00 – Welcome and Introduction

17:05 – Key Note Speech Moonlight Initiative & presentation of the LCNS call (Bernhard Hufenbach)

17:15 – Expectations TIA use cases telecommunications (Frank Salzgeber)

17:25 – Expectations NAV use cases for navigation (Pietro Giordano)

17:35 – Expectations HRE use cases for the future of lunar economy (Francesco Liucci)

17:45 – Q&A session

Moonlight Initiative: Lunar Communications and Navigation Services (LCNS) Call for Ideas and Use Cases

Webinar

Francesco Liucci
Innovation Manager
Human and Robotic Exploration
Commercialisation and Innovation (HRE-XI)

9/3/2022



SHAPE THE FUTURE

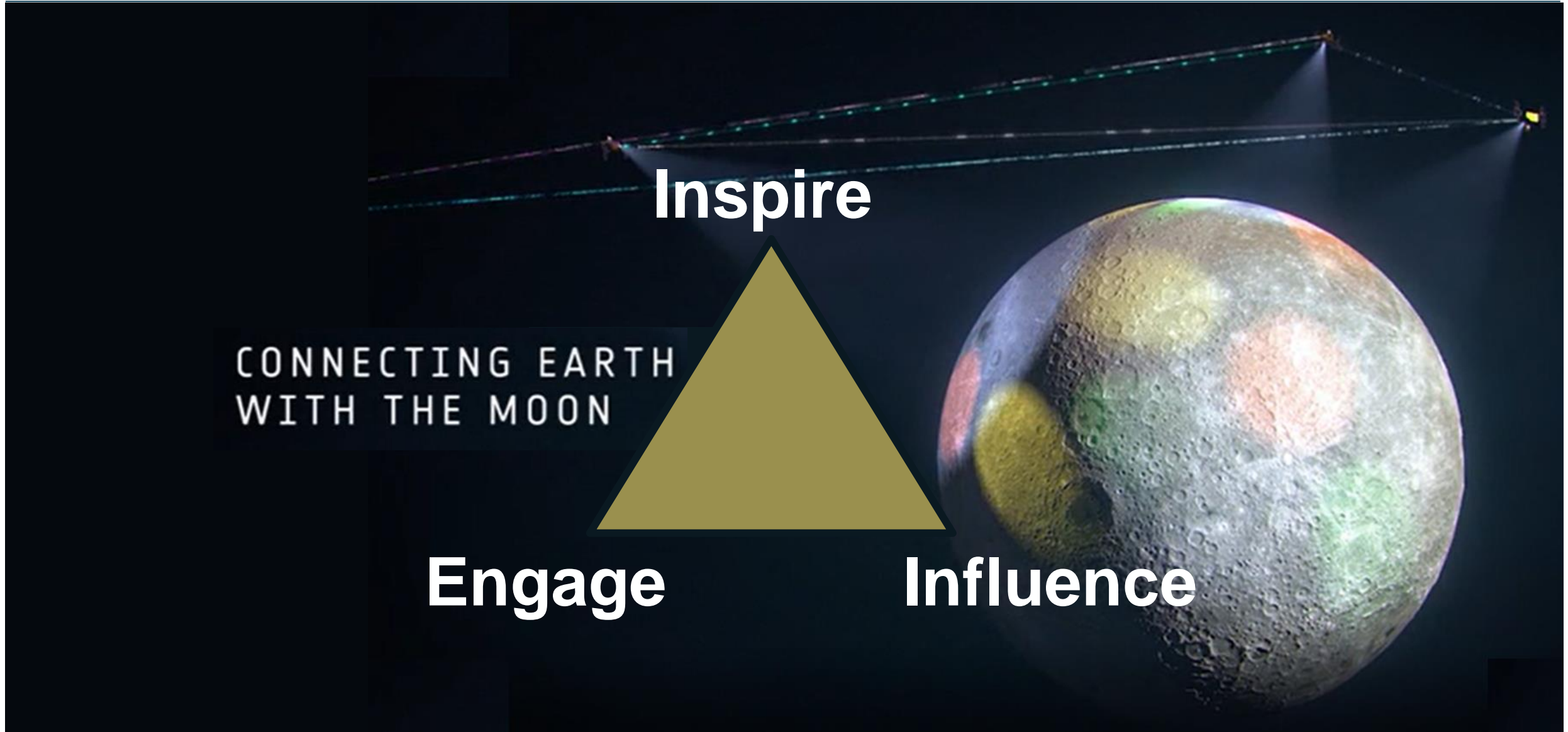
OF MOON EXPLORATION

*What would you do
when Lunar Communications and Navigation Services
(LCNS) will be available?*

**Moonlight Initiative
Call for Ideas**

Submit your idea before 30/04/2022





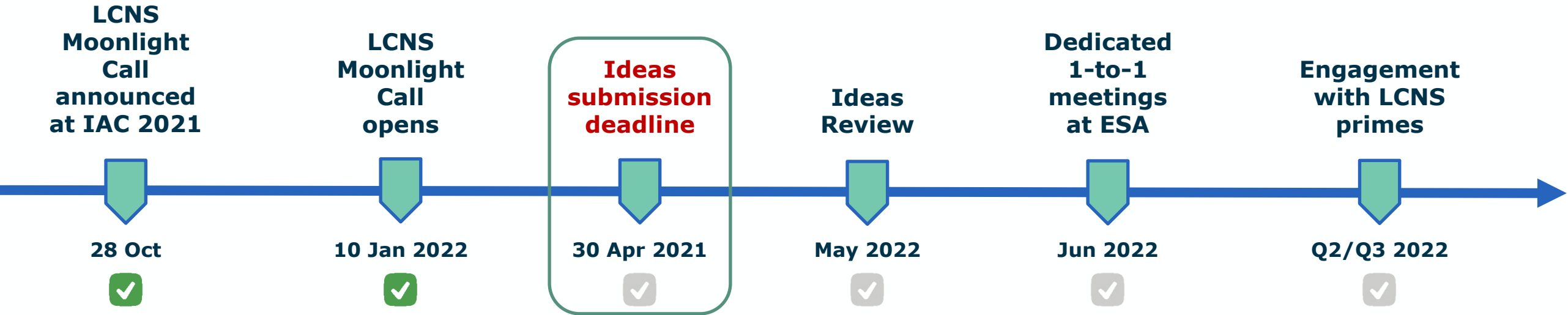
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- **Commercial users** (i.e. commercial service providers)
 - **Academic/scientific users** (i.e. universities, R&D dept.)
 - **Institutional users** (i.e. space agencies, governments)
 - **Anybody** who has an idea for use cases and applications for LCNS

- Implementation feasibility (30%)
- Innovation and novelty (30%)
- Best use of LCNS capabilities (20%)
- Socioeconomic impact (20%)

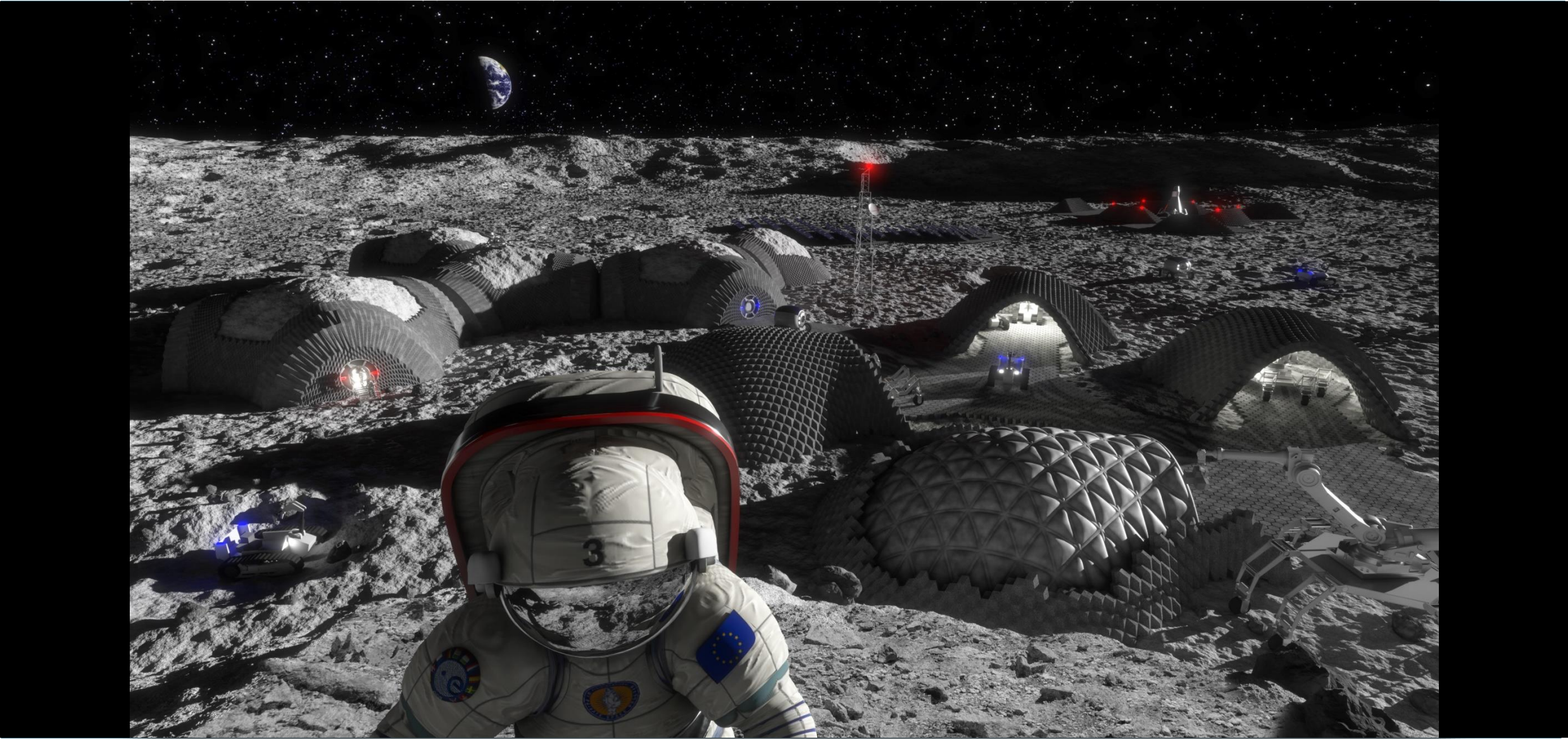


- Dedicated 1-to-1 meetings at ESA establishment
- Different ESA programmes to further develop the ideas and use cases (ESA BIC, GSTP, ESA Business Applications, co-funded studies)
- Connect with LCNS primes

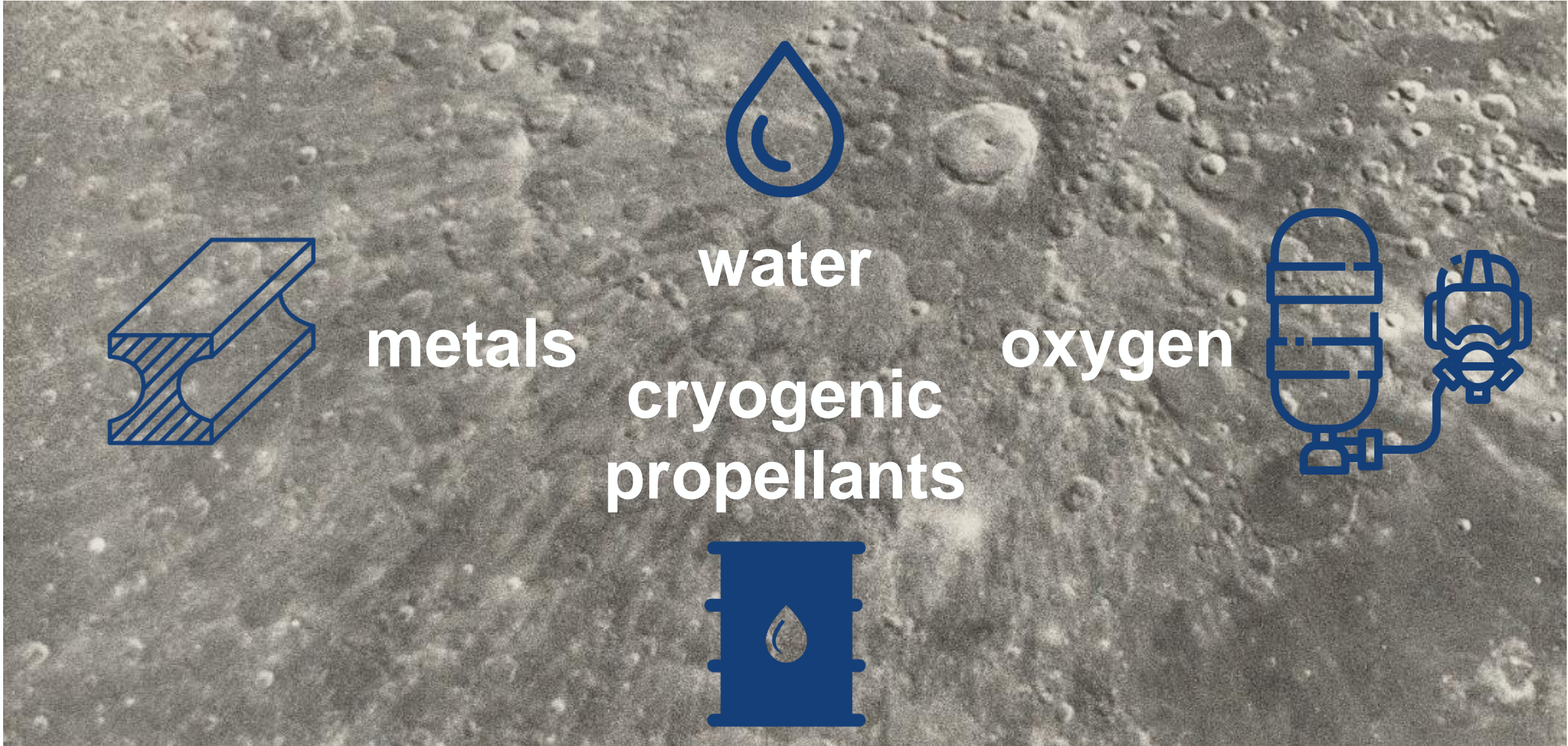
Call Timeline



Infrastructure construction and maintenance



Space Resources Utilisation



Energy: Rocket refueling, Life-support, Crops cultivation



VR, AR and videogames





What's Next?

