



SUSTAINABLE

MOON

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OBJECTIVE

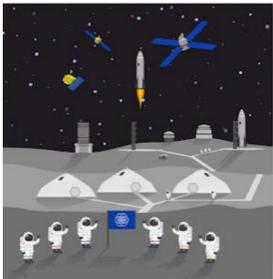
To shift the discourse about the Moon towards sustainability by creating a framework from which to benchmark lunar activities, to ensure the sustainable use of the Moon and cislunar space.

TEAM PROJECT OVERVIEW



RATIONALE

Why should we return to the Moon?



ROADMAP

What is required to make a Moon base happen?
When is this likely to occur?



LUNAR SUSTAINABILITY GOALS

How lunar missions should be conducted to enable a sustainable human presence?

Overview

Rationale

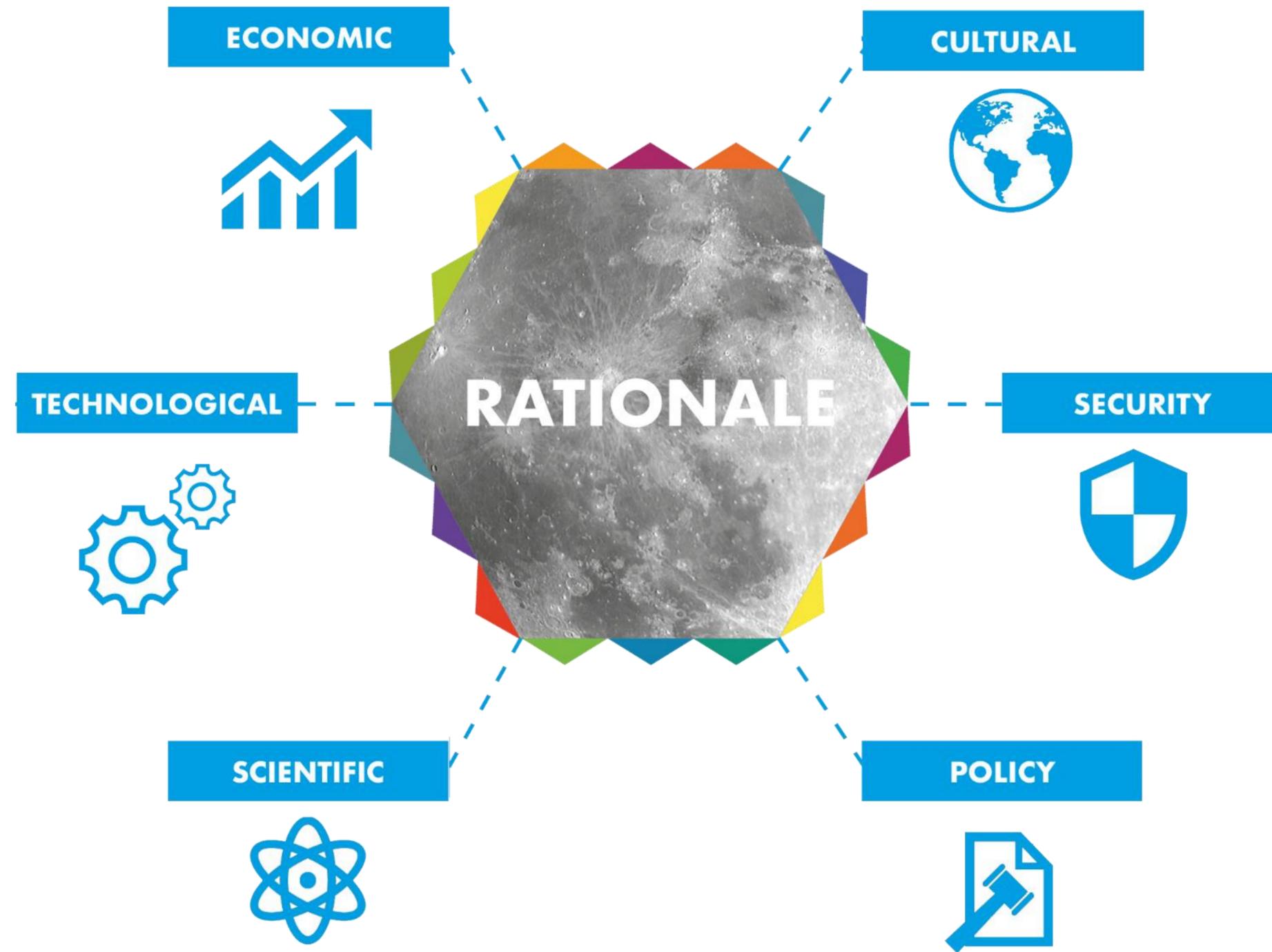
Roadmap

Goals

Conclusion

WHY GO TO THE MOON?

We developed critically supported, high-impact, high-likelihood rationales for returning to the Moon



- Overview
- Rationale**
- Roadmap
- Goals
- Conclusion

WHAT IS REQUIRED AND WHEN?

We consolidated roadmaps from various space actors' proposals to achieve a human presence on the Moon.



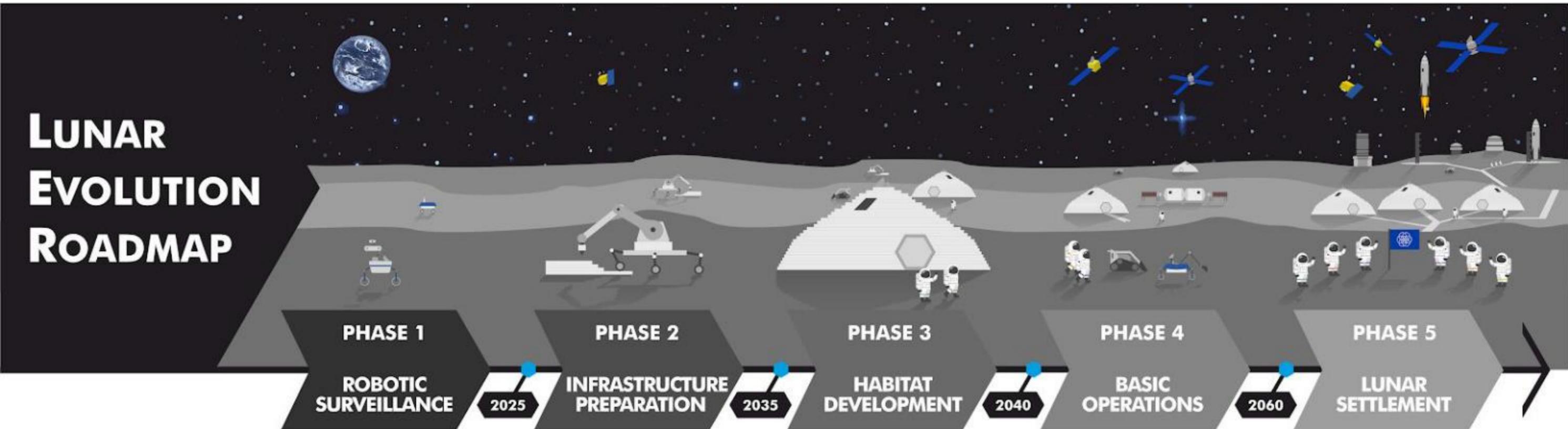
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To understand the lunar environment in preparation for future human missions.

To establish necessary infrastructure for short-term missions.

Transition towards initial operation capability for short-term missions.

To conduct science based missions and demonstrate full operational capability.

To establish a lunar community whose focus extends to prosperous living on the Moon.



We developed 15 goals, with targets and drivers, for the sustainable use of the Moon and cislunar space

- OPEN ACCESS
- DIVERSITY AND OPPORTUNITY
- EDUCATION AND OUTREACH
- HERITAGE PROTECTION
- SUSTAINABLE TRANSPORTATION
- SPACE DEBRIS MITIGATION
- SUSTAINABLE ENERGY
- EARTH APPLICATIONS
- PEACEFUL PURPOSES
- INTERNATIONAL COOPERATION
- ENVIRONMENTAL PROTECTION
- HEALTH AND SAFETY
- STANDARDIZATION
- ZERO WASTE
- SUSTAINABLE ISRU

CONCLUSIONS & THANK YOU



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