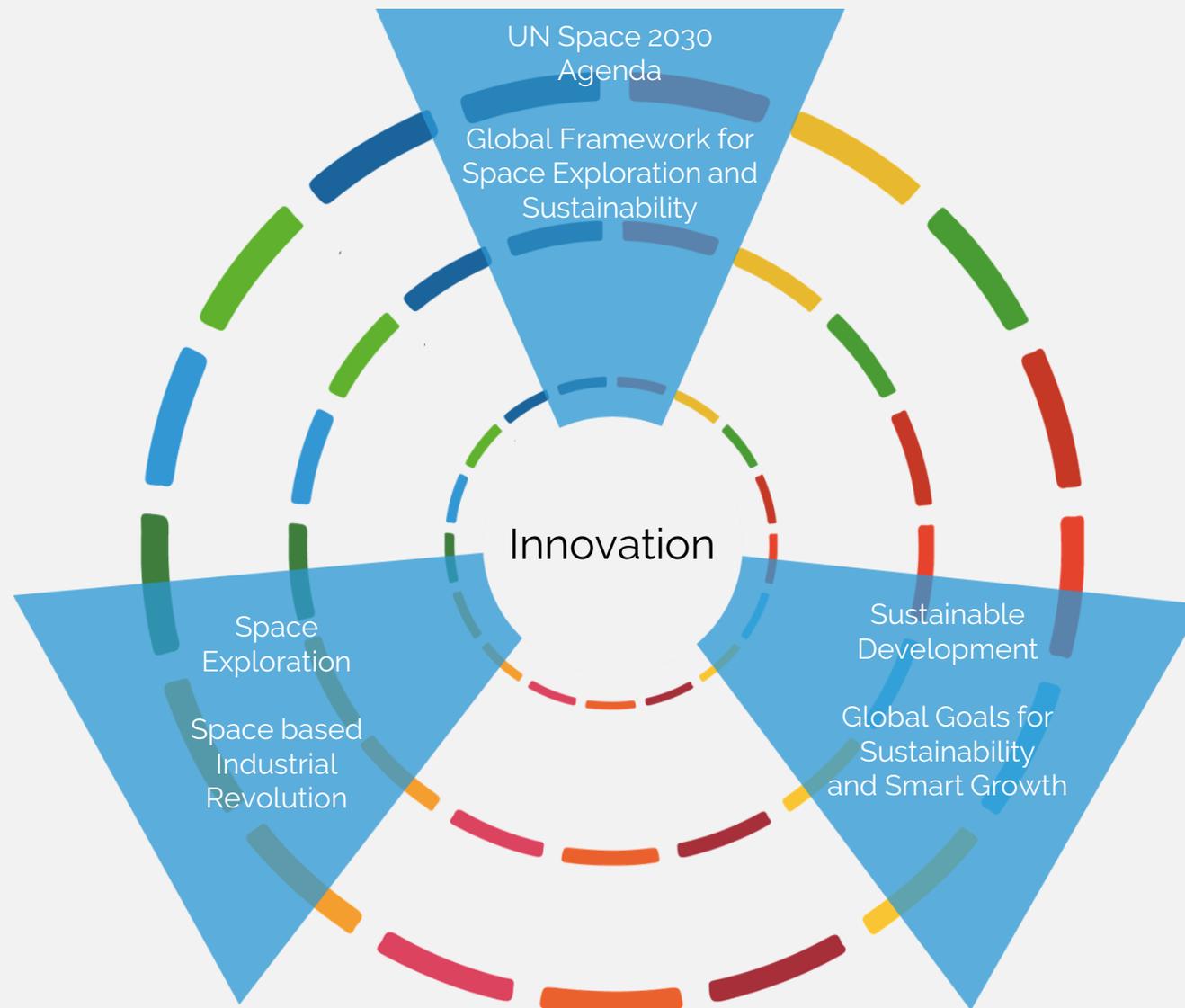


# Innovating our Future in Space and on Earth



# Next Level of Space Exploration and SDGs

Innovating Space Exploration and Sustainable Development



# Space Technology contributes to SDGs

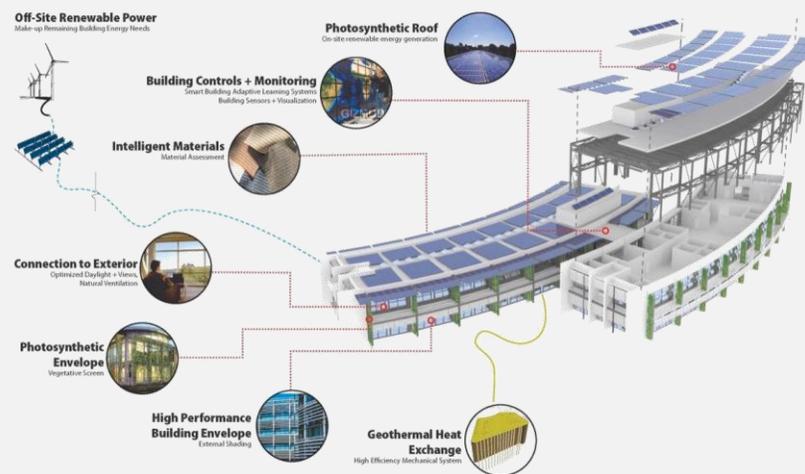
Existing Space based Solutions drive Sustainability and Innovation

## Tracking Planetary Systems



Earth Observation Fleets

## Technology Transfer



NASA Sustainability Base

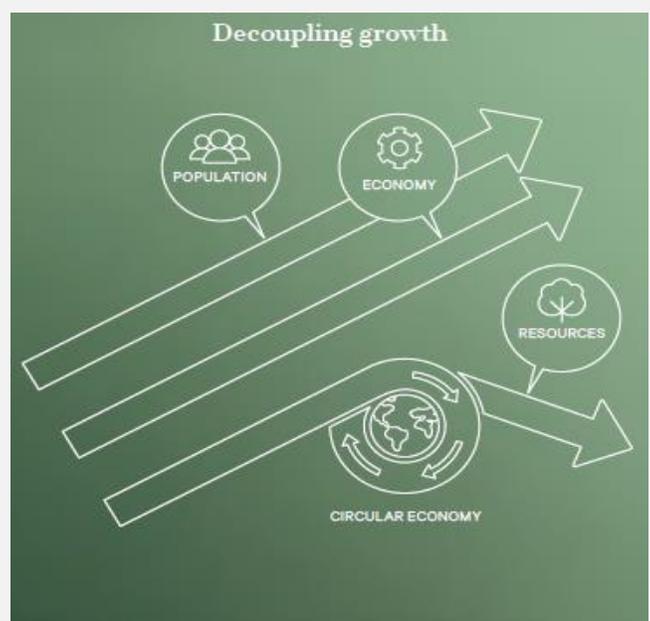
## Space based Infrastructure



ISS Cotton Challenge

# Corporate Sustainability contributes to SDGs

Business Leadership is embracing Sustainability Challenges for Future Growth



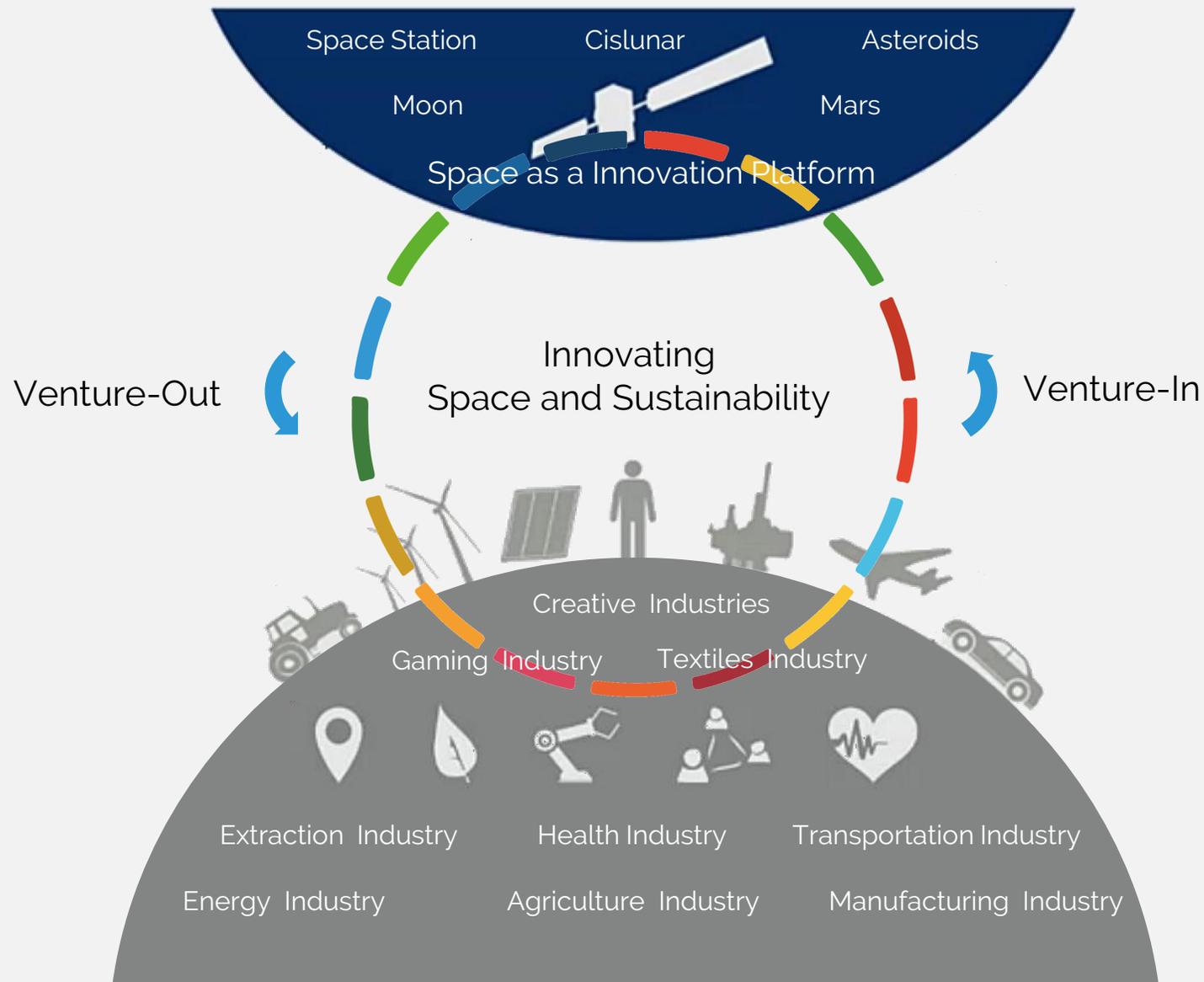
New Economic Models

New Materials and Manufacturing

New Public Private Partnerships

# Sustainability through Innovation meets Space

Connecting Space and Sustainability Innovation Ecosystems





# MOON ECONOMIC FORUM

From Vision to Reality  
September 2018  
Vienna

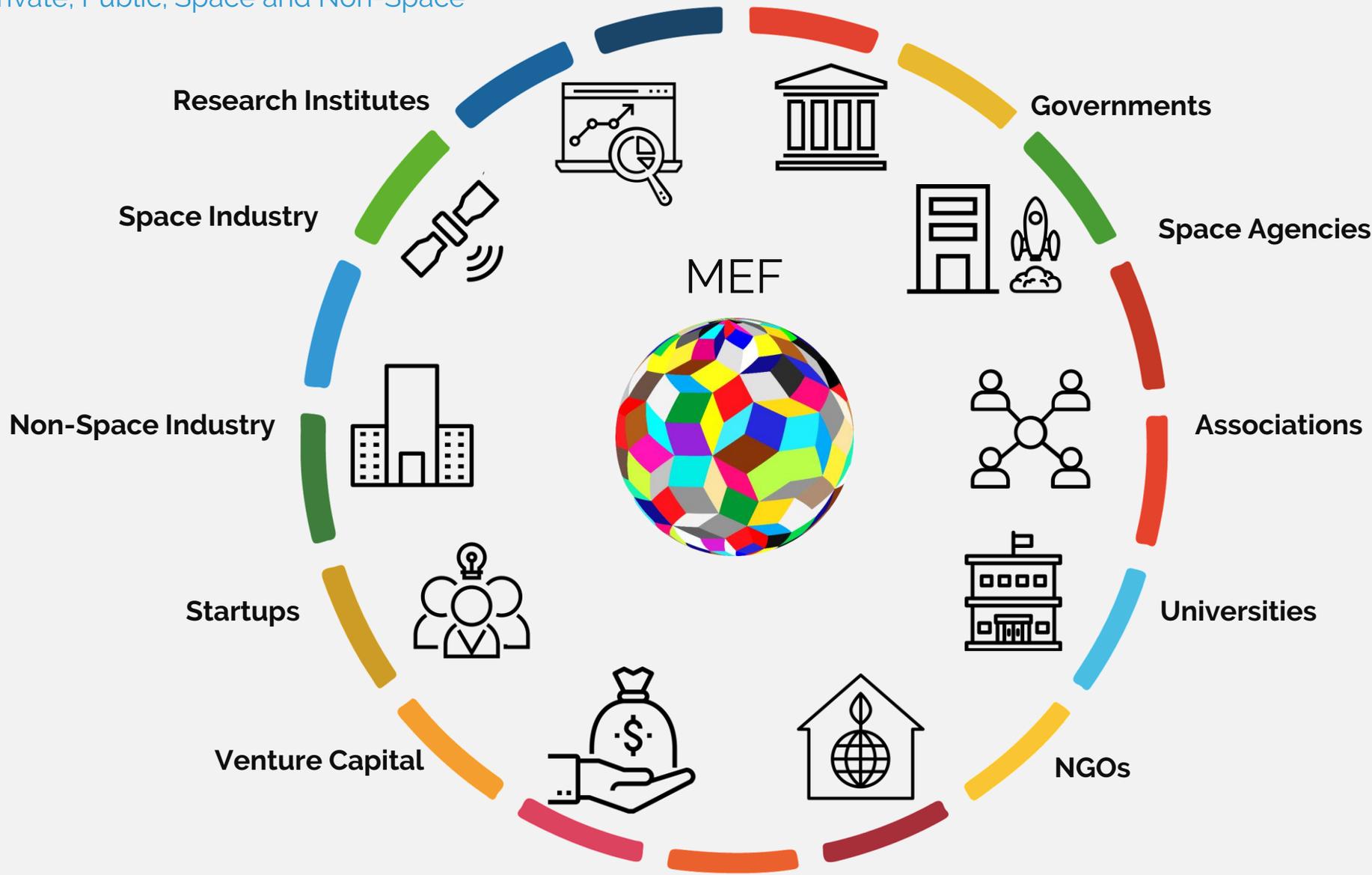


# Moon Economy Innovation Community

Connecting Private, Public, Space and Non-Space

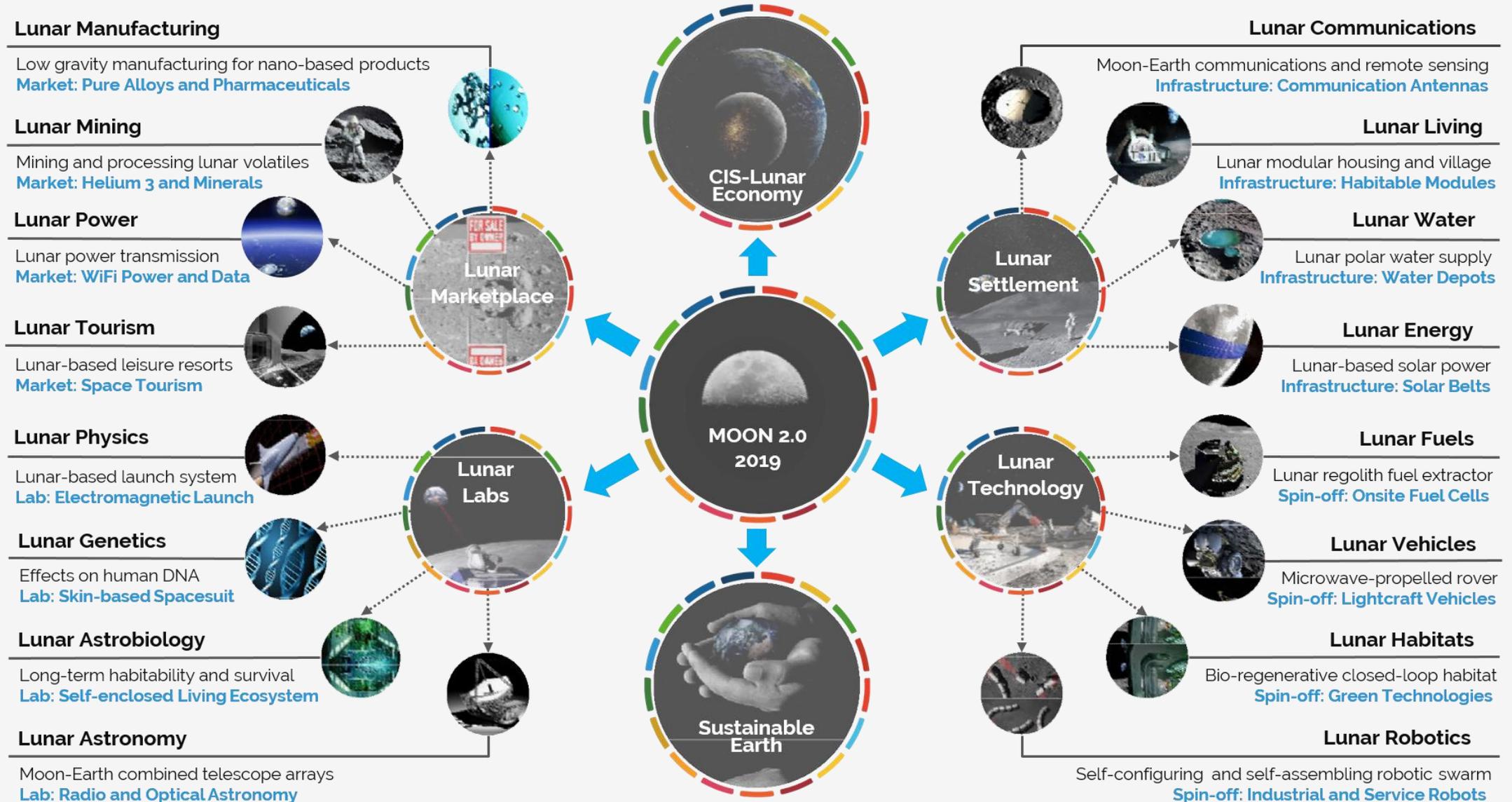
Private sector

Public sector



# Dedicated to Shaping the Future of the Moon

Comprehensive Agenda for the 50<sup>th</sup> Anniversary of the first Manned Moon Landing

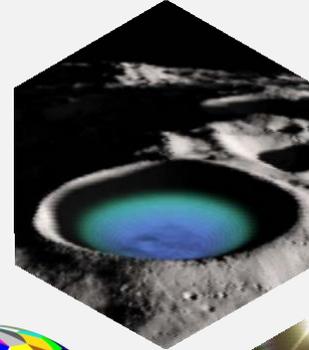


# Advancing the Lunar Research Agenda

Providing Fundamental Knowledge for the Next Step

## Lunar Life

Studies of environmental effects on humans, plants and animals including radiation, low-gravity, closed hab, etc.

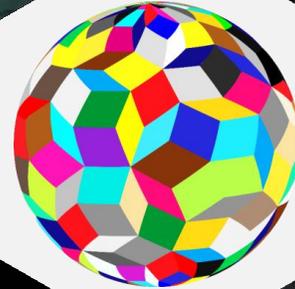
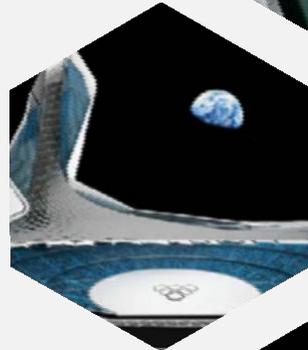


## Lunar Resources

Geological and economic feasibility studies of water resources, helium-3, ores, and other mineral deposits.

## Lunar Society

Studies of development and progress of a moon-based society, cohering around a unified set of cultural values.



## Lunar Infrastructures

Technical and economic feasibility studies for the development of key infrastructures such as water and energy supply.

## Lunar Governance

Comparative studies of governance systems for isolated population. Legal framework for lunar property rights



## Lunar Economy

Analysis of economic models and of the impact of lunar-based industries such as mining, tourism, and manufacturing.

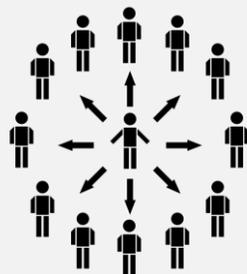
# Action oriented Agenda for UN Space 2030

Driving Innovation, Space Exploration and Sustainability



## MOON ECONOMIC FORUM

Creating Innovations to ensure  
Moon's and Earth's Sustainability



**Impact Focused**

Human and Robotic Lunar  
Settlement by 2030



**Community Driven**

Jumpstarting the  
CIS-Lunar Economy



**Highly Innovative**

# LUNAR DEVELOPMENT INITIATIVE

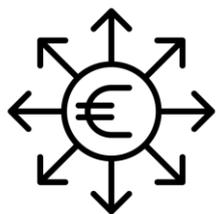
Establishing a permanent human and robotic presence on the Moon



# Financing and Operating a Lunar Settlement

Profit Sharing meets Private-Public Partnership

## Develop commercial settlement through a profit-sharing partnership



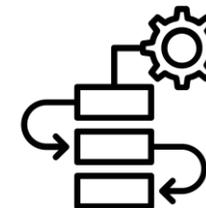
- Goal: Build and operate a permanent lunar settlement and develop a self-sustaining lunar economy
- Finance through private-public partnership and managed through a GP/LP management structure
  - Limited Partners own 100% of profit rights
  - GP controls venture (independent of LP)

## Private-Public Partnership (P3) through Limited Partnership Structure



- Partnership arrangement between a Government Institutions and a private sector to build lunar base and perform economically-viable activity
- Each partner becomes an LP shareholder to take part in the profit of Lunar Development Initiative
- Partners will obtain LP shares through direct investment or in-kind resources to LDI and its projects

## General Partner Roles and Responsibilities



- Manage LDI's day-to-day operating activities
- Finance and incentivize the technology development for lunar settlement, commercial activity and financial sustainability
- Execute LDI's roadmap
- Manage the construction and development of LDI's lunar base and infrastructure
- Manage LDI's commercial and economic activity
- Distribute profits of LDI to limited partners

# Implementing the UN Space 2030 Agenda

Unleashing creativity collaboration, participation and future growth

## MOON ECONOMIC FORUM

Contribution to Space Society



## LUNAR DEVELOPMENT INITIATIVE

Contribution to Space Economy

# Meet the Interstellar Ventures Team

Innovative minds with proven business execution in various sectors



## Sebastian Straube

Founder & CEO  
ss@interstellar.ventures

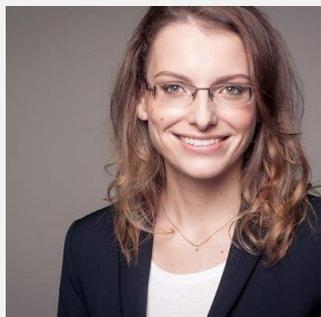
Sebastian co-founded and lead BSD Germany, a international advisory firm helping corporations to integrate sustainability into business models and supply chains. Before, he was Managing Director at Young & Rubicam Sustainable Brands and Member of the Responsible Investment working group in Warsaw.



## Marsal Gifra

Ventures Development  
mg@interstellar.ventures

Marsal founded Terra (1998), one of the world's largest web portals now owned by Telefonica; Latinia (2000), a leading mobile application service provider and GalacticSuite (2007); a first mover company in the emerging industry of space tourism.. He is a frequent speaker at industry events and conferences



## Luise Kautschur

Ventures Support  
lk@interstellar.ventures

Luise has a Innovation and Entrepreneurship background and her focus is on technology innovation in the Aerospace Industry. At Airbus Space and Defense in Germany she developed company internal business ideas and business models for commercial space, especially for microgravity applications.



## Jaco Fok

Head of Innovation & Technology  
jf@interstellar.ventures

Jaco built Shell TechWorks, a high tech engineering outfit that maximizes the use of external technologies in a 'skunkworks' approach for rapid development of new solutions for Shell. He was VP Business Incubator at DSM as well as Director of the DSM China Innovation Centre and member of the DSM Innovation Council.



## Maciej Pasternak

Head of Acceleration & Life Sciences  
mp@interstellar.ventures

Maciej has several years of experience in managing and overseeing R&D projects, tech scouting, acquisition and open innovation at BASF. Currently Leader of the raw materials track of MIT Enterprise Forum Poland startup acceleration program. Author of scientific publications and co-inventor of 30+ patents.



## Marius Swart

Head of Company Building  
ms@interstellar.ventures

Marius co-created and invested in 14 start-ups in 10 cities around the world as part of Coke's seed stage corporate venture arm. As Global Director of Innovation and Entrepreneurship at Coca Cola, he develop investment thesis, set strategy, and P&L responsibility for \$10mm annual budget;



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