



National Aeronautics and
Space Administration

Committee on Biological and Physical Sciences (CBPSS) Fall Meeting Introduction to BPS Commercial Partnerships

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BPS Commercial Partnerships Lead

9/17/2025

Biological & Physical Sciences



“Humanity’s journey has just begun. From mercury, to Apollo, Shuttle, Space Station, NASA’s legacy in human spaceflight is unparalleled.

Now, we’re preparing for the dawn of a **new era of human exploration**: groundbreaking scientific discoveries, testing technologies, for our next giant leap.

Our future in microgravity awaits.”



Agenda

1

BPS's Commercial Space Strategy

4

Questions

2

Commercial Partnerships Lead Goals

3

Next Steps



BPS's Commercial Space Strategy

Meeting the moment: 2025 – 2030

Where and how will BPS
conduct science during this
transition to the “new era”
of commercial space and
exploration?



BPS Commercial Partnerships Lead

Expertise

- International affairs and development
- Domestic public policy

NASA

- 6 years supporting NASA (SLPSRA, BPS)

Role

- “Commercial Partnerships Lead”
- **Make and foster commercial relationships, facilitate partnerships, and enable strategic opportunities**

CBPSS

- 10 CBPSS meetings
- 1st presentation to CBPSS
- Thank you for the opportunity!

Haley Fauntleroy



Decadal Survey, Ch. 7, “Strategy”



Decadal
Commercial
Strategy

Decadal Finding 7-2:

"A robust and resilient BPS program requires...significant awareness and **collaboration** with the emerging commercial space science, platforms, and activities..."

Decadal Finding 7-3: "The private sector is engaged in development of CLDs, on which the nation's research in BPS will depend."

Decadal Recommendation 7-1: "Actively **engage** commercial spaceflight firms...to ensure that **science needs** are met with clear priority, guaranteeing that national science needs are enabled along with those of potential commercial customers using those platforms."

BPS Commercial Partnerships Lead



What is a BPS Commercial Opportunity?

Hardware Technology Science Flights Destinations

Image: NASA Moon to Mars Architecture

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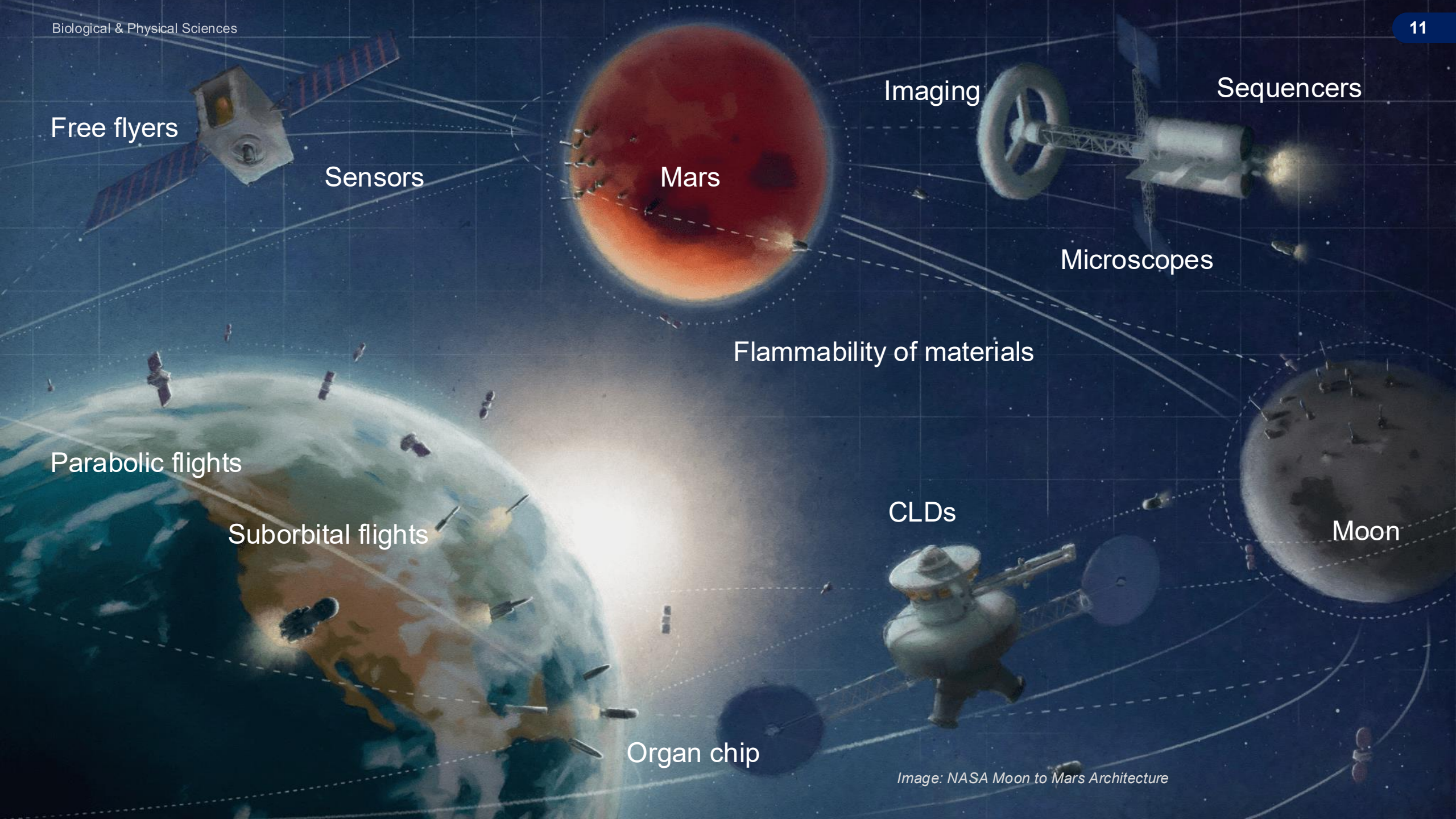


Image: NASA Moon to Mars Architecture

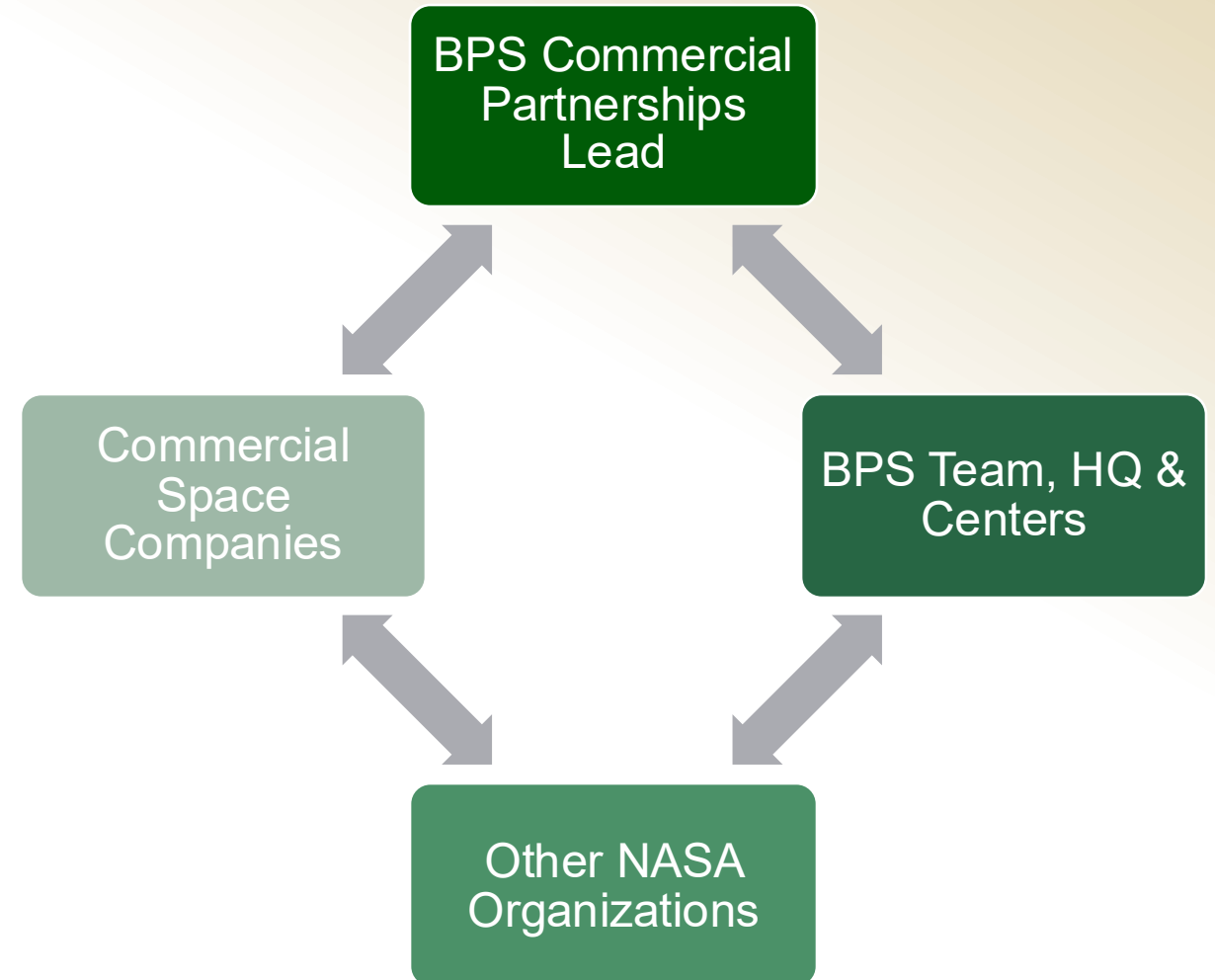


Commercial Partnership Lead Goals

BP

Many Players in Commercial Engagement

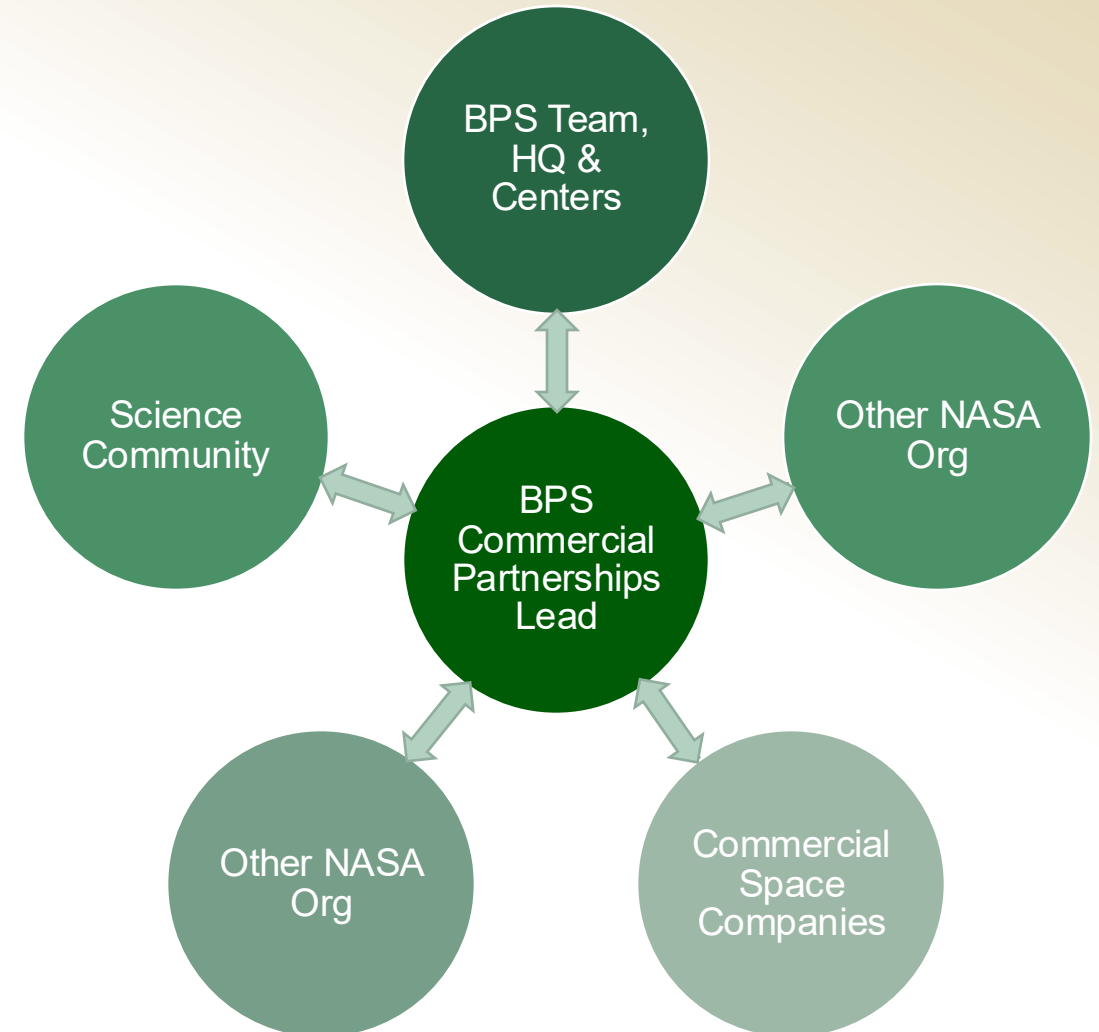
First 6 months as Commercial Partnerships Lead: understand the players, create touchpoints, build foundation for collaboration.



Placement, proximity, and/or size of visual elements does not denote influence, importance, comprehensiveness, etc.

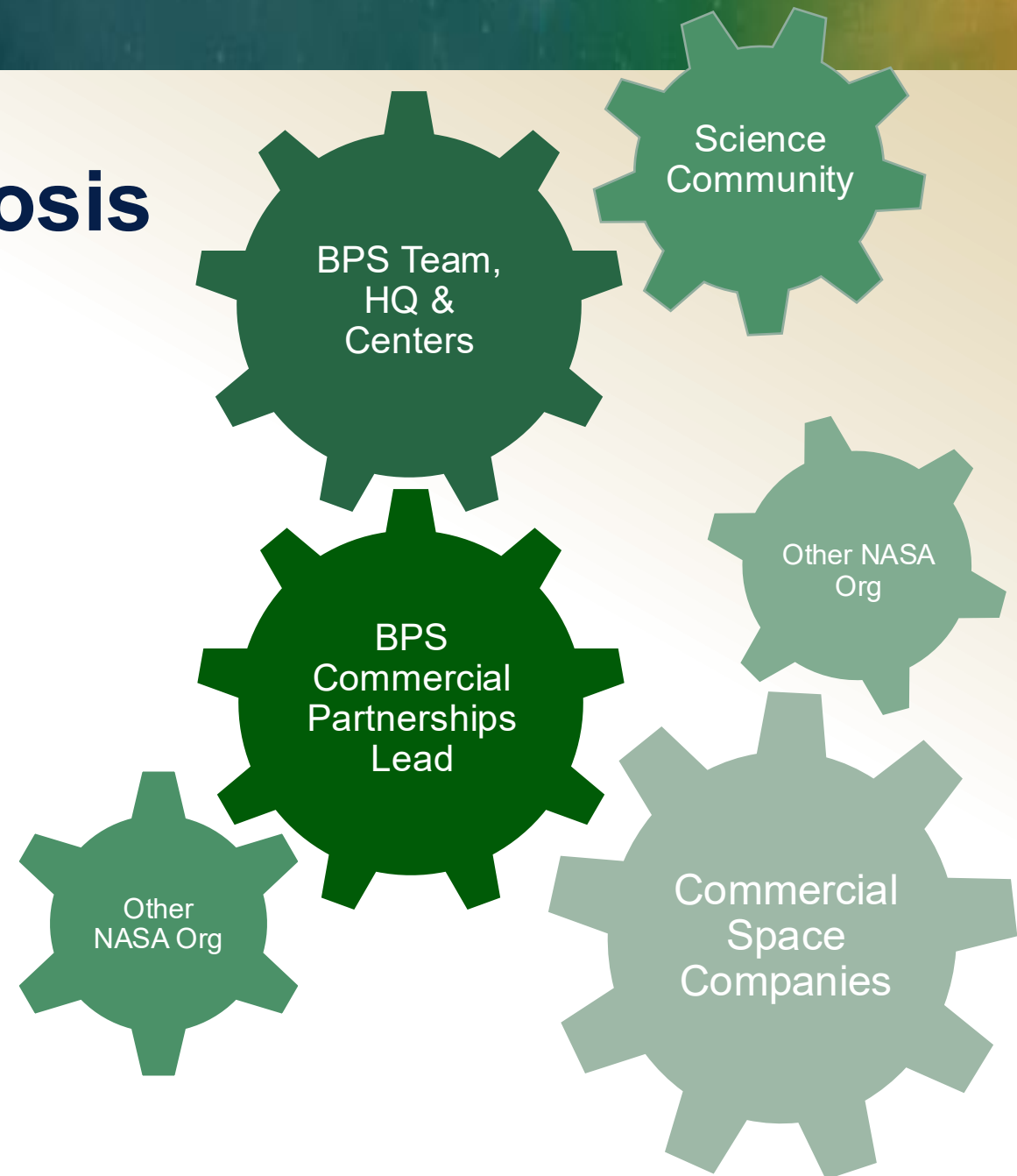
Many Players in Commercial Engagement

Next 6 months as Commercial Partnerships Lead: Consolidate touchpoints, create and build relationships, increase transparency and learning, gather state of the art, build momentum.



Establishing Symbiosis

Long term goal:
Communication and collaboration at all points, enabling BPS to take advantage of all types of commercial opportunities.



Anatomy of a Partnership

BOX

- Managed by BPS Director, Deputy Director
- Determines the strategy of BPS science & partnerships, aligned under BPS mission

CUT OUTS

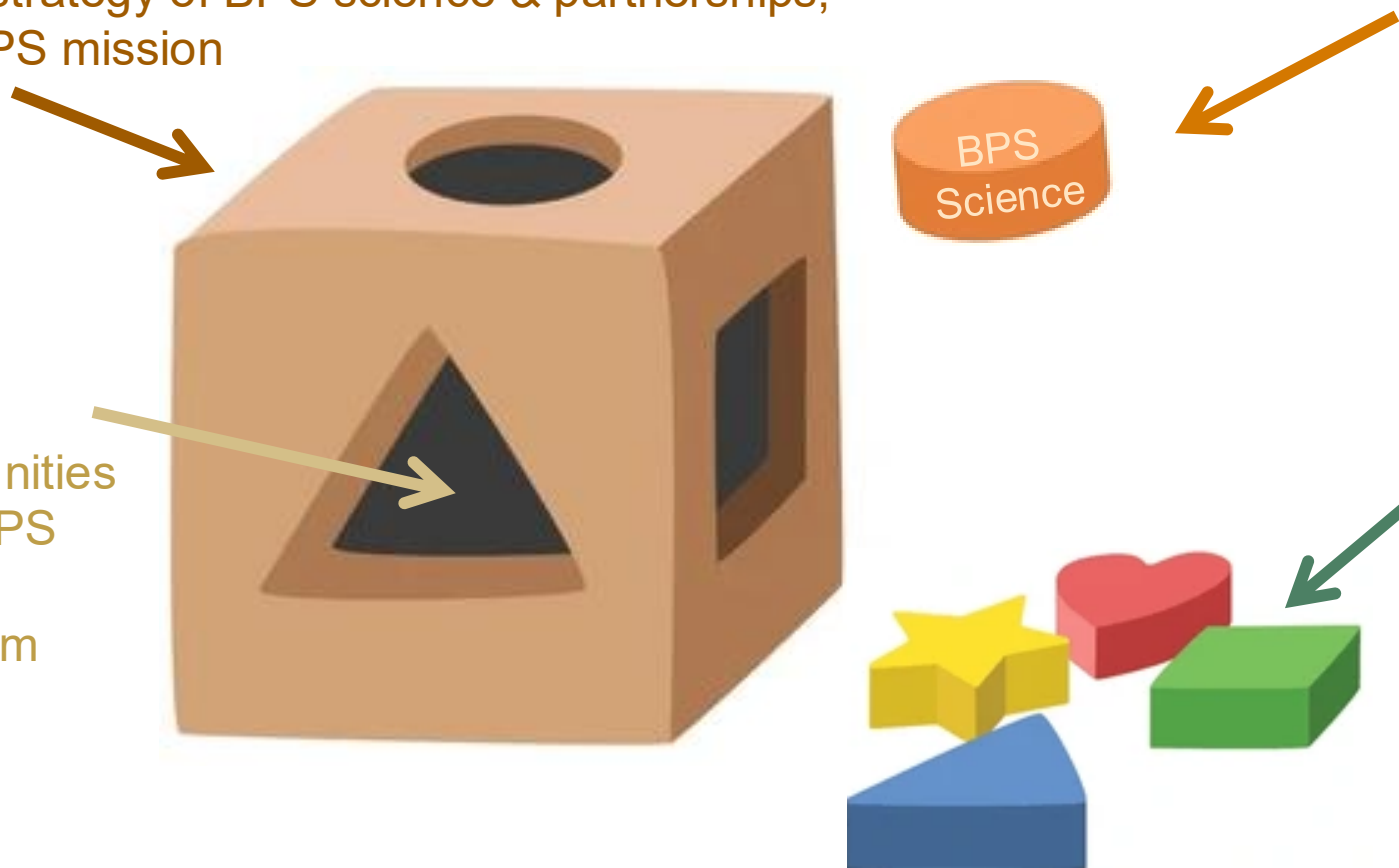
- Managed by Commercial Partnerships Lead
- Represent opportunities taking shape for BPS science on a commercial platform

SHAPE FIT

- Direction, prioritization, and fit managed by BPS Program Executives & Scientists
- Shape could be determined by constraints such as power, mass, etc.

SHAPE POPULATION

- Contributions from NASA Field Centers & BPS Science Community
- Your science, enabling discovery & exploration, benefitting life on Earth





Next Steps

BPS

Present State: Discovery

- **Discovering “what don’t we know?”**
 - What’s the current state of the art?
 - Which companies are out there?
 - What’s being developed?
- **Awarding innovation**
 - BPS’s TechLeap awards, \$500k x2
 - Securing Space Act Agreements where necessary
- **Enabling exploration**
 - Ensuring all connections are made conscious of science excellence, exploration enablement, and BPS roadmap priorities

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Quote: NASA official YouTube, “Envisioning the Next Generation of Human Presence in Low Earth Orbit”
Image: NASA Images



Get in touch!

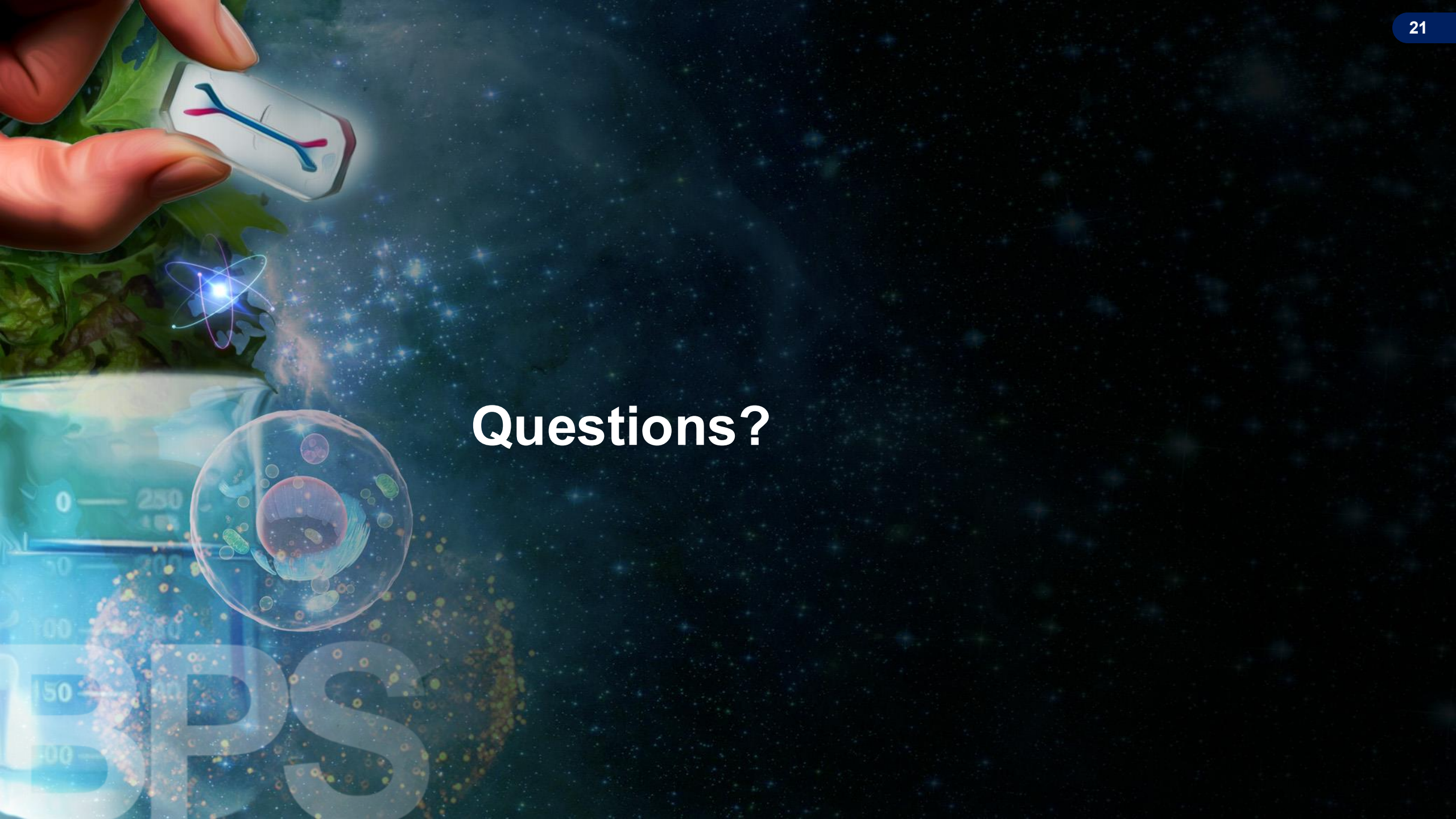
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Questions?