

WP2025 Accelerator Challenge

Innovative in-space servicing, operations, space-based robotics and technologies for resilient EU space infrastructure

Stela Tkatchova, PhD

EIC Programme Manager for Space Systems

4th of December 2024

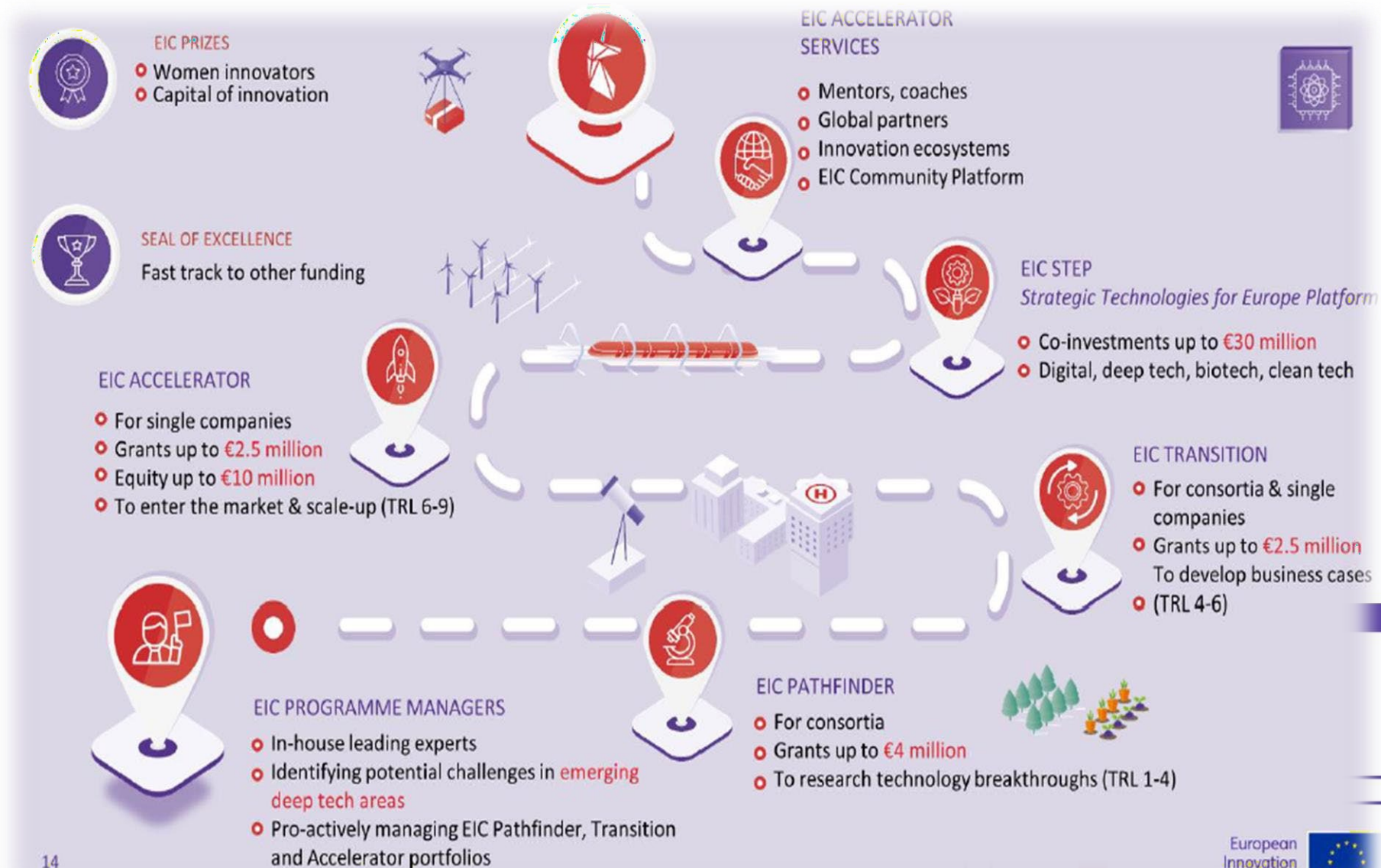
European
Innovation
Council



EIC role in the European Space Industry



- EIC funds **game-changing innovations** and **high-risk ideas** of space SMEs & start-ups from low to high TRL



EIC space technology challenges

WP 2023

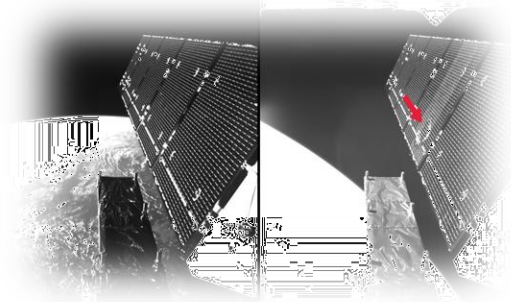
Pathfinder (TRL1-4): In space solar energy

- Collect
- Conversion
- WPT
- In space green propulsion



Accelerator (TRL6-9): "Customer driven" innovative space applications

- S/C inspection
- Collision avoidance
- Collection, recovery & reuse space debris
- IOS,ADR, EoL
- ISAM
- Innovation made in Europe Microgravity platforms



WP 2024



Pathfinder (TRL1-4): Strengthening the sustainability and resilience of EU space infrastructure

- Space debris mitigation
- Space debris remediation
- In-space recycling and re-use of orbital assets (ISRROA)

WP 2025



Accelerator (TRL6-9): Innovative in-space servicing, operations, robotics and technologies for resilient EU space infrastructure

- In-Orbit Servicing & Maintenance
- In-space transportation & in-space refueling and recharging, OTV
- Space-based resilience

WP2025 [\(788\) Innovative in-space servicing, operations, robotics & technologies for resilient EU space infra - YouTube](#)



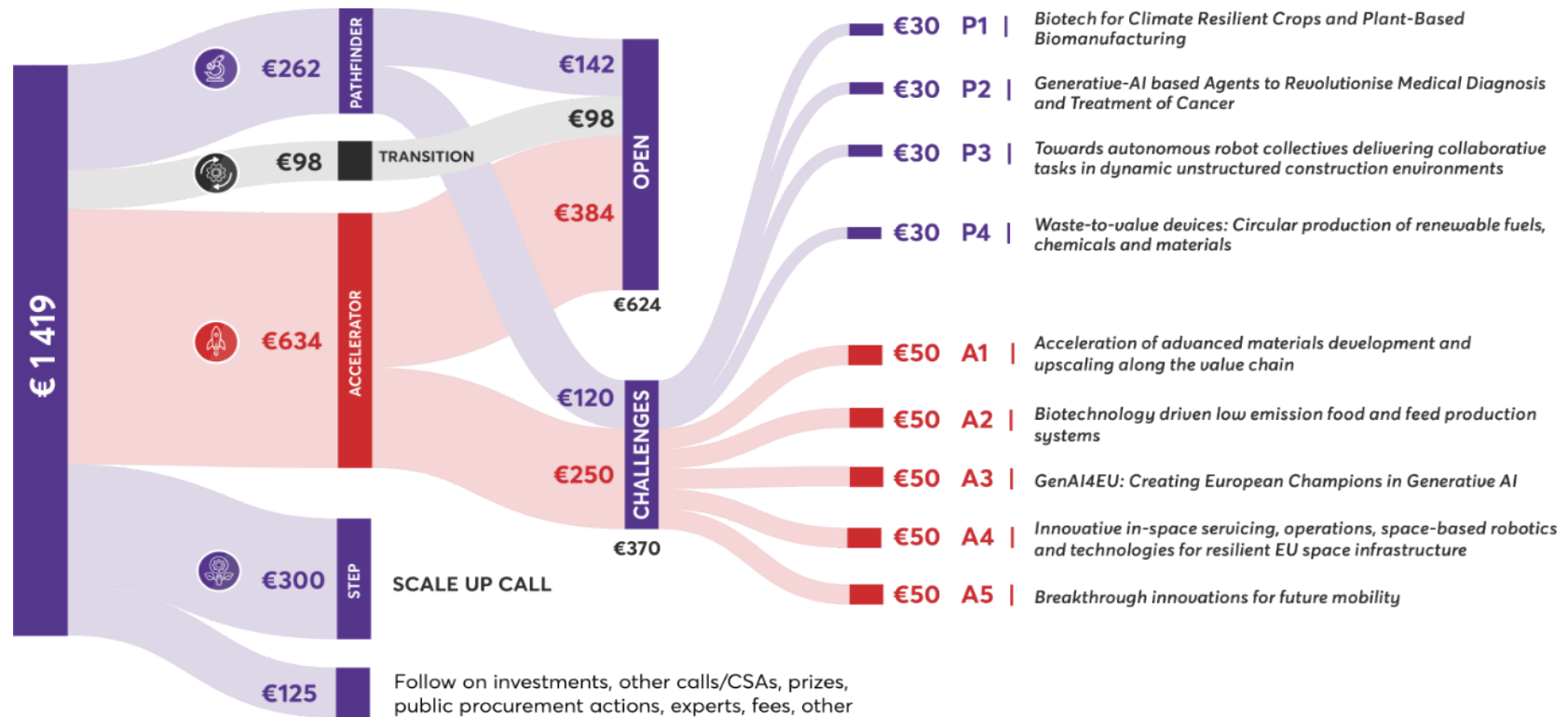
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Indicative Budget

- EUR 50 Million

Deadlines

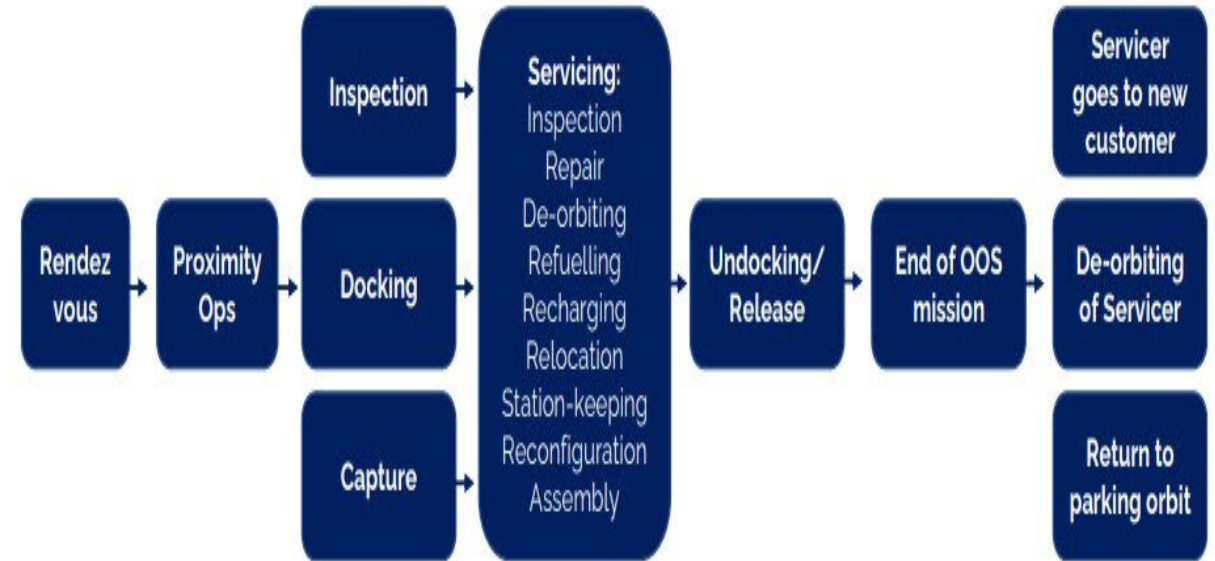
- 12th of March 2025
- 1st October 2025



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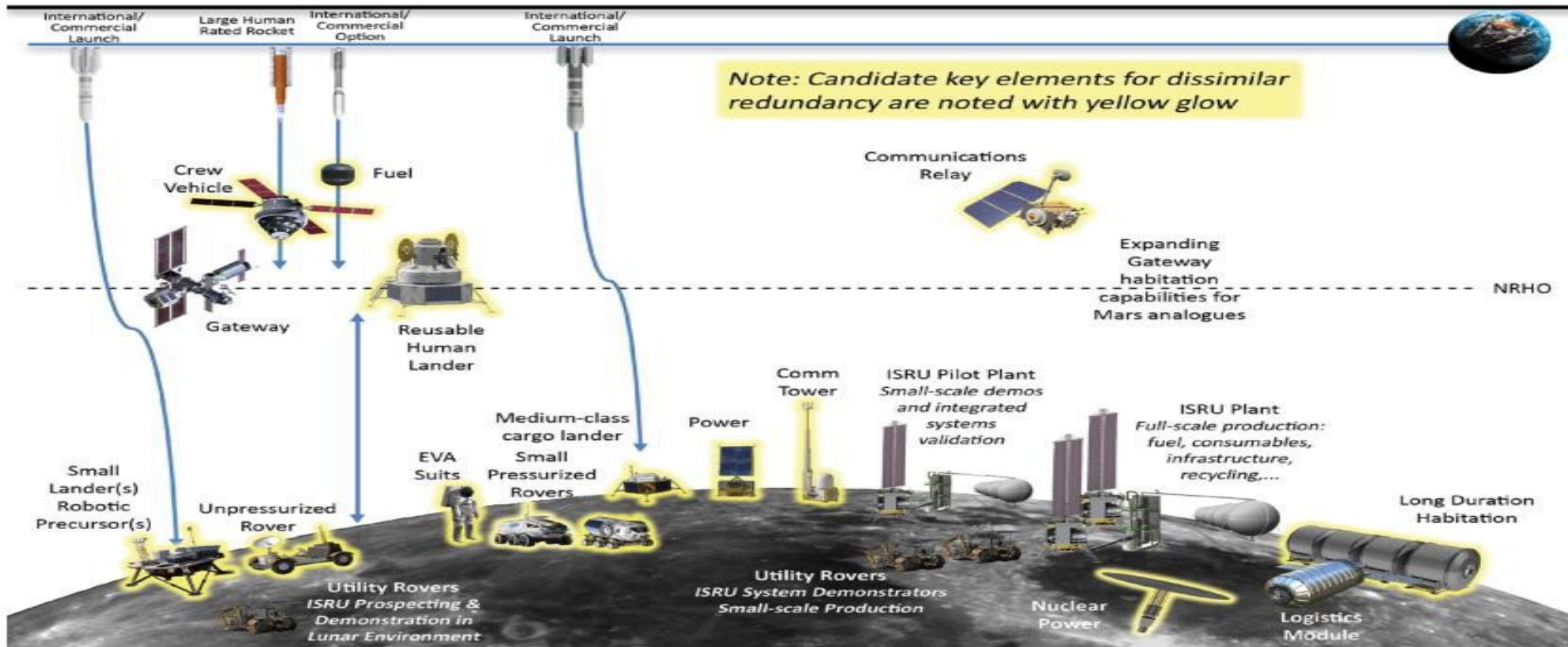


- **In-Orbit Servicing & Maintenance** - Proximity Ops, Rendezvous, capturing, in-space robotic manipulations, maintenance, in-space assembly and operations [file.bin](#)
- **In-space transportation** & in-space refueling/recharging, Orbital Transfer Vehicles (OTV), etc.
- **Space-based resilience** – space-based cybersecurity for satcom, navigation, Earth Observation and In Orbit servicing missions.



Courtesy: ESPI, OSAM State of Play and Perspectives on Future Evolutions, 2023

Long-term future



Courtesy: International Space Exploration Coordination Group, Global Exploration Roadmap

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Thank you!

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