

# EXOPLANET

**65<sup>th</sup> Virtual UNISEC-Global Meeting**  
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# Exoplanet?

- “A planet which orbits a star other than the sun.”  
– Oxford English Dictionary
- Word first used in early 1990s. Quite new field of study!
- Strange names: Trappist 1E, HD 189733B, Kepler 452B, and so on.

***Why focus on exoplanets?***

***Why now?***

***Why at UNISEC?***

# Why focus on exoplanets?

## Pushing forward frontiers of science:

- Need to “see” planet of far away star.



## Pushing forward frontiers of space engineering:

- Very advanced spacecraft, *or*,
- less advanced ones with very ingenious method.

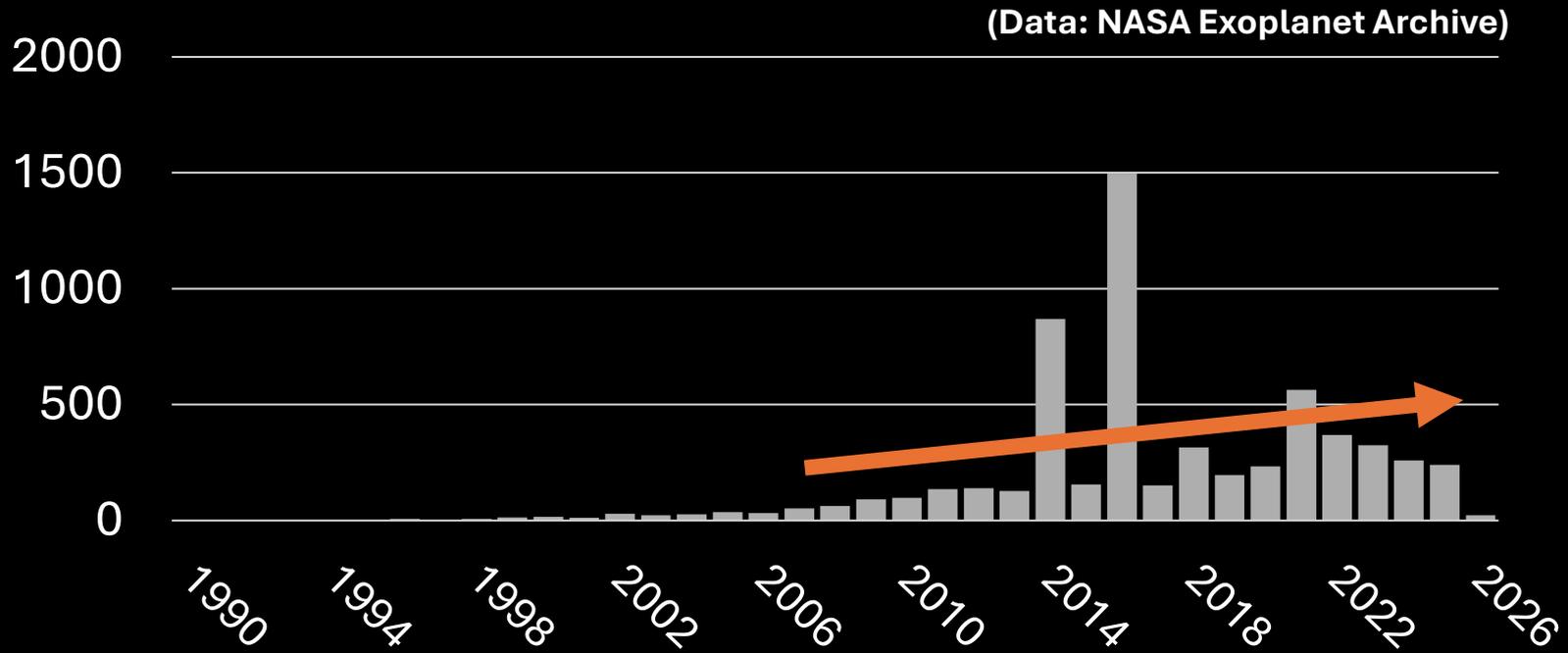


## Value for society:

- Inspiration, education, spin-offs, and so on.



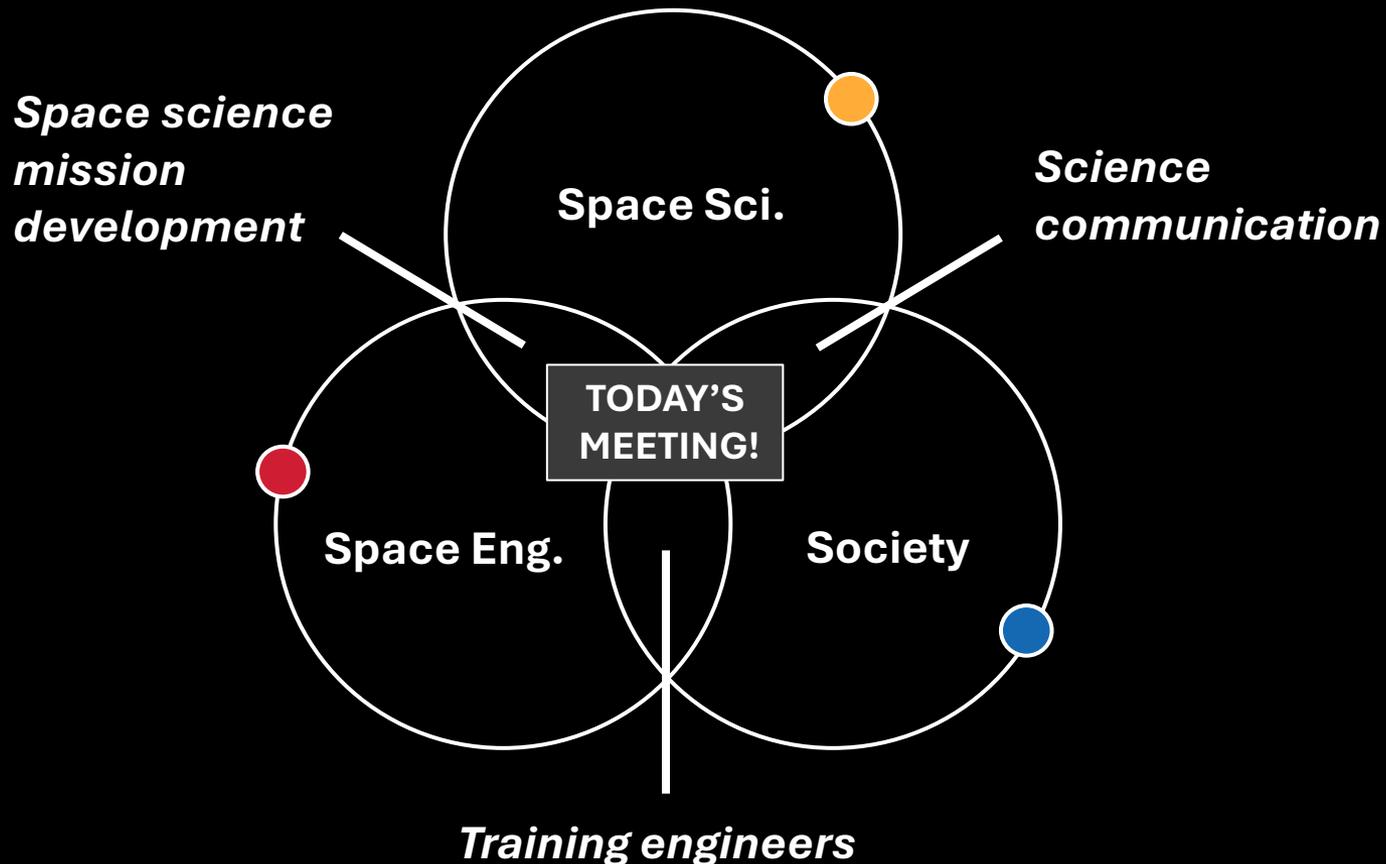
# Why now?



- Detection techniques quite mature: ~ 6000 already discovered.
- Change in paradigm: **detection era** → **characterisation era**.

# Why at UNISEC?

“By the end of 2030, let's create a world where university students can participate in practical space projects in all countries.” (UNISEC Vision)





**Dr. Elizabeth Tasker**  
JAXA/ISAS



**Dr. Yosuke Yamashiki**  
Kyoto University



**Dr. Taro Matsuo**  
Osaka University



**Dr. Satoshi Ikari**  
The University of Tokyo