



**KAYSER**  
ITALIA

# **Future Commercial LEO Multi User Facilitie**

**Annual Conference on Commercial Space Exploration**

**4-5 DEC 2024**

**Kayser Italia S.r.l.**

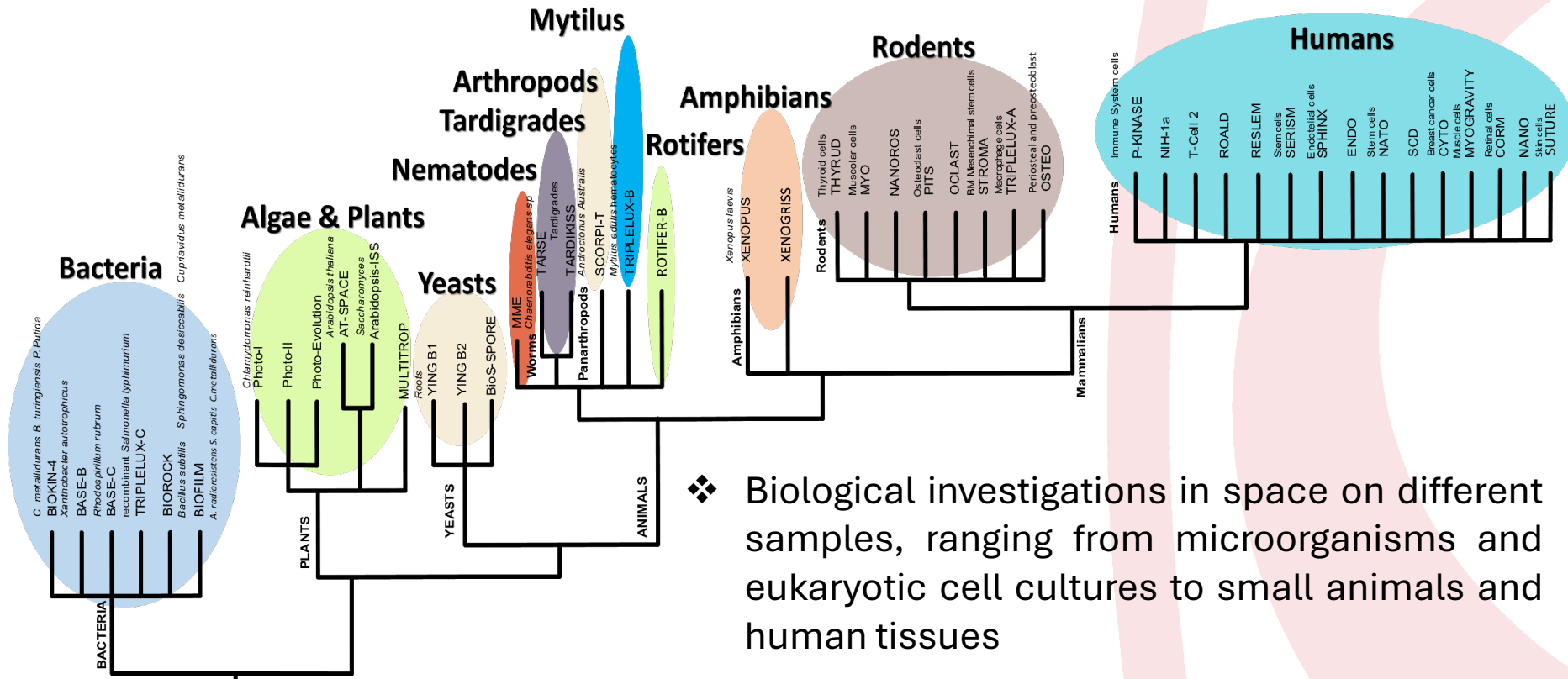
Via di Popogna 501

57128 – Livorno (Italy)

[www.kayser.it](http://www.kayser.it)

[kayser@kayser.it](mailto:kayser@kayser.it)

# Experience in space biology experiments



❖ Biological investigations in space on different samples, ranging from microorganisms and eukaryotic cell cultures to small animals and human tissues

❖ High number of collaborations with universities and research centers all over Europe



# Commercial service experience



## Service in place:

- Partnership with ESA
- Direct contact with customer base (commercial approach)
- Provision of direct access to KUBIK facility and ISS resources
- Provision of full services to implement the biology experiment on ISS

## BioRider



## Service to come:

- Biorider: a new facility for the Space Rider platform
- BioRider is manifested for the Space Rider maiden flight
- KI is “*sub-aggregator*” of biology experiments
- Direct contact with customer base (commercial approach)
- Provision of full services to implement the biology experiment on Space Rider

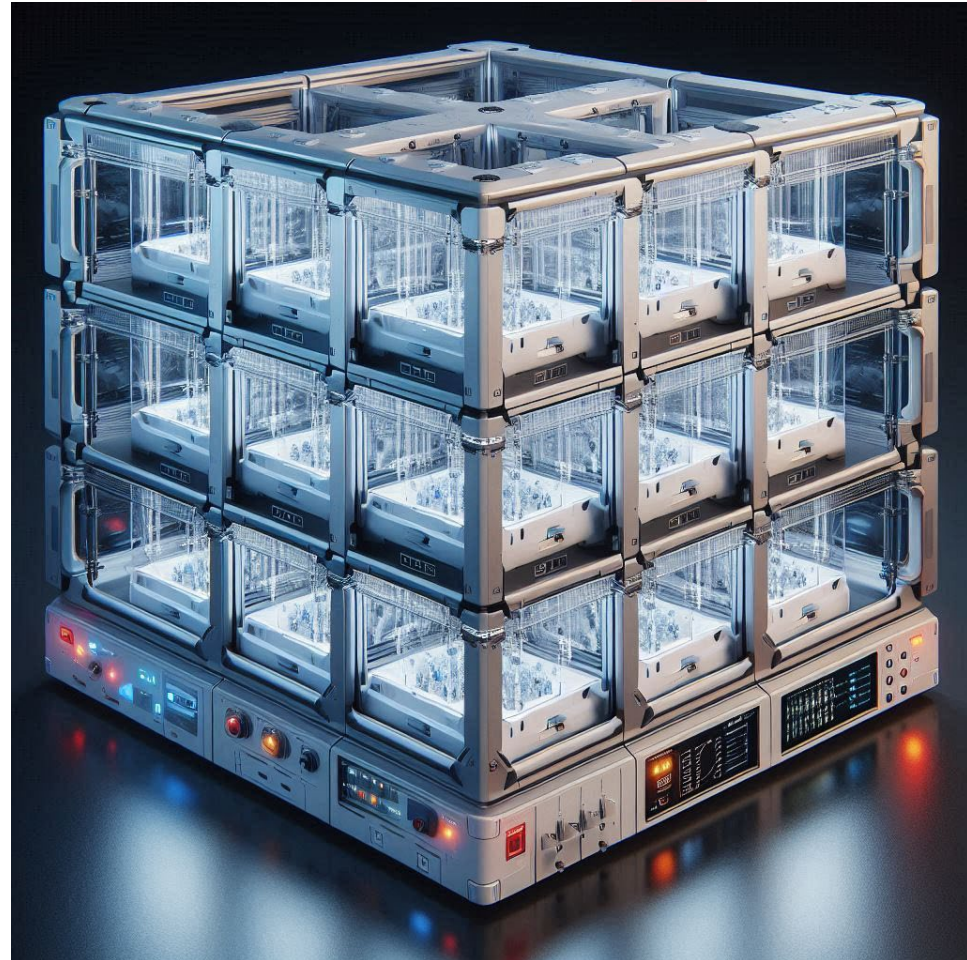
# New Class

## Multiplatform Incubator

Fully automated

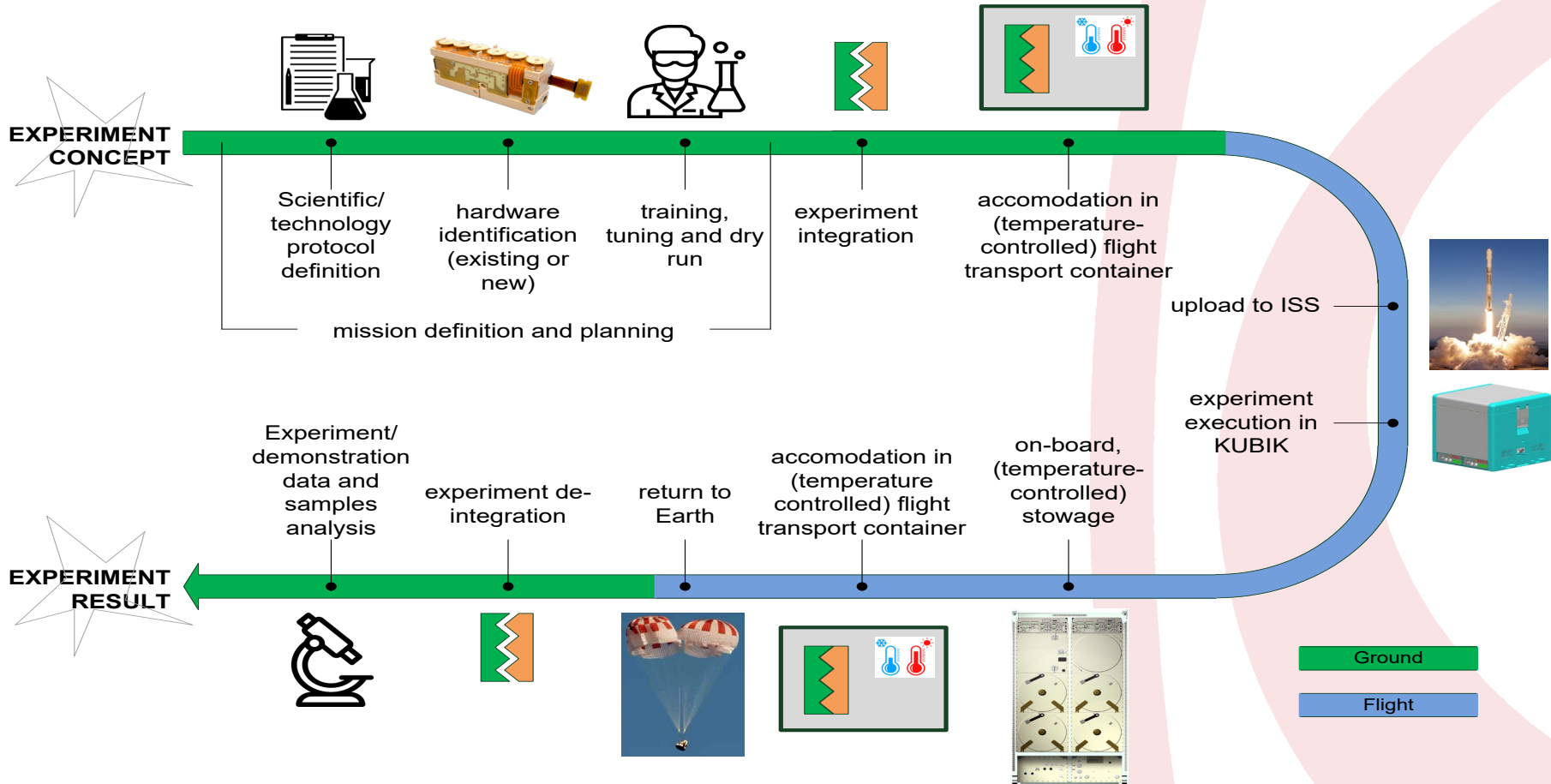
Different size of modular units to host «traditional» and future experiments

Support for experiments both in microgravity and at different G levels (variable speed centrifuge)



Artistic Impression

# End-to-end service



End-to-end customer support  
No need of previous experience in space

Frequent flight opportunities  
Standard, space qualified hardware available  
12 months from experiment definition to flight