



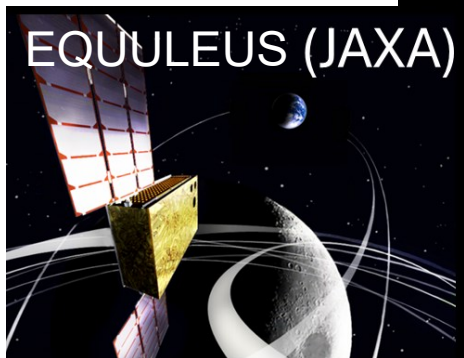
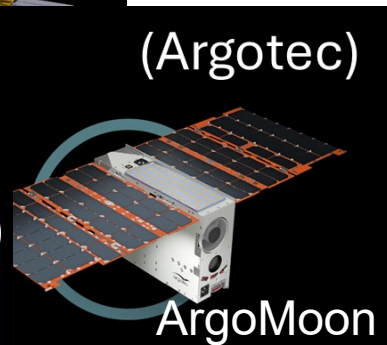
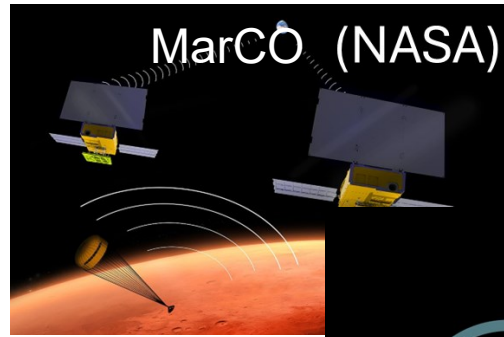
Highlights and Lessons Learned from The 1st UNISEC Deep Space Workshop

Ten Arai, Hirotaka Sekine, Tomoki Mochizuki, Rei Kawashima
The University of Tokyo, Japan
& Bulgaria

Information sharing platforms are needed to encourage deep space exploration with small satellites.

Small satellites mission

- Earth orbiting : > 99%
- Deep space exploration : < 1% **Next ambitious field**



The number of people with skills & knowledge in deep space exploration is limited.

To improve current status,
Skills & knowledge sharing platform is needed.

The 1st
UNISEC
DEEP SPACE WORKSHOP

9th November 2024

@Arcrea HIMEJI, Hyogo

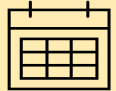
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To share

- Workshop overview and its result
- Lessons learned to organize an international workshop

Workshop overview

To promote collaboration and knowledge exchange among key players in the field of deep space exploration. We invited experts as panelists from agencies, private companies and universities.



9th November 2024, 14:00 – 18:00 JST



HIMEJI city & Online

Sponsored
by DENTSU Scholarship Foundation

The University of Tokyo



The 1st UNISEC DEEP SPACE WORKSHOP

Session 1: Pioneering Deep Space Exploration: The Industry's Frontier



Maximilien Berthet
The Univ. of Tokyo
(Moderator)



Hiroko Asakura
ispace, inc.



Valerio Di Ta
ARGOTEC S.r.l.



Nathaniel Guy
Ofractal



Toshihiro Shibukawa
ArkEdge Space Inc.

Session 2: Lessons Learned from SLS-1 CubeSat Missions



Tatsuaki Hashimoto
The Univ. of Tokyo
(Moderator)



Craig Hardgrove
Arizona State Univ.



Benjamin Malphrus
Morehead State Univ.



Ryu Funase
The Univ. of Tokyo

Exciting Workshop

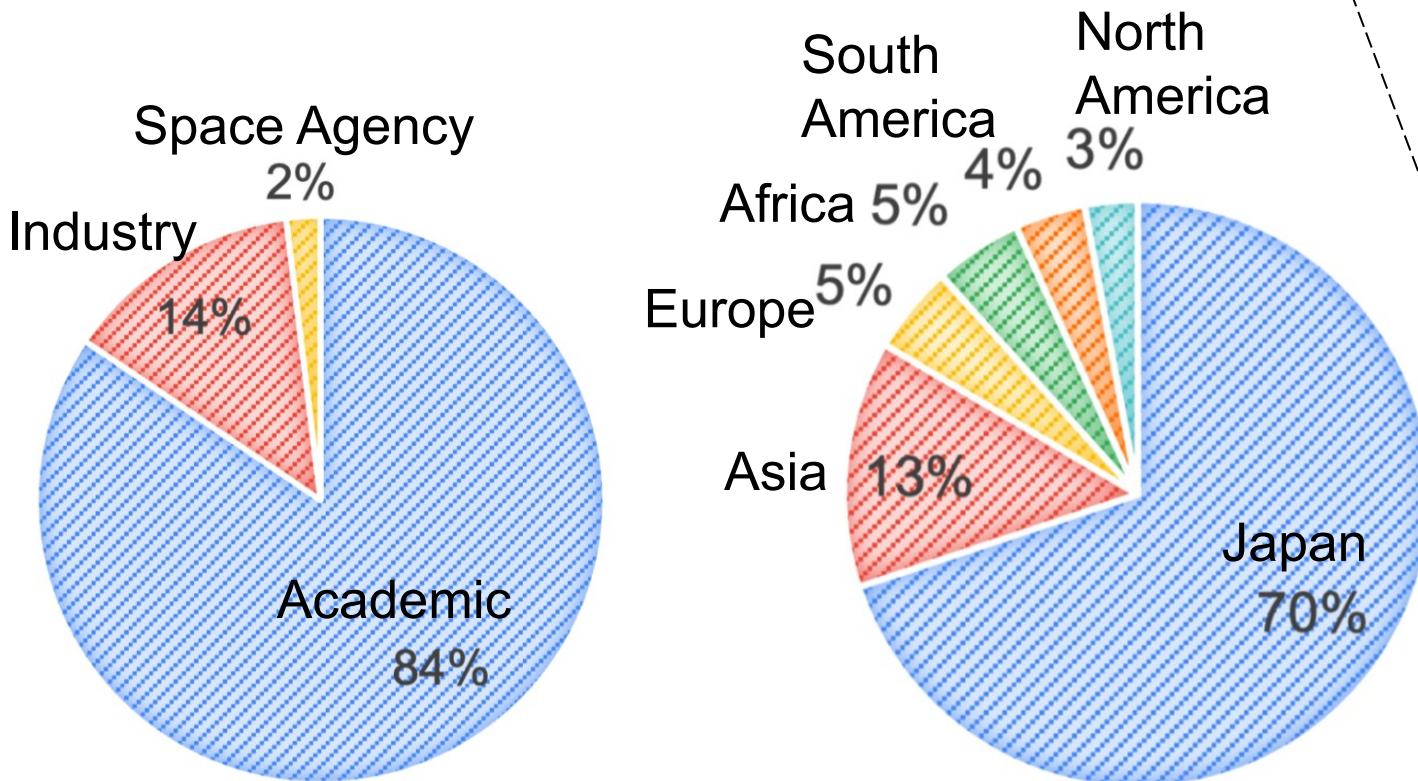


“Highlights and Lessons Learned from The 1st UNISEC Deep Space Workshop”, Ten ARAI

Great response from around the world

- **100+ people** attended from around the world.

- Our sponsor, DENTSU, will publish a workshop summary in their magazine.





Lessons learned to organize an international workshop

Workshop management structure



Hirotaka Sekine

Ph.D. student

The University of Tokyo



Tomoki Mochizuki

Ph.D. student

The University of Tokyo



Ten Arai

Ph.D. student

The University of Tokyo



UNISEC office members

Ms. Rei Kawashima & one more staff

Task list for a workshop & its difficulties

Task list

- Planning
- Funding
- Scheduling & Role assignment
- Panelists invitation & Contents adjustment
- Venue reservation
- Advertising
- Venue setup
- Slide preparation
- Operation on the day of the event

...

Difficult points



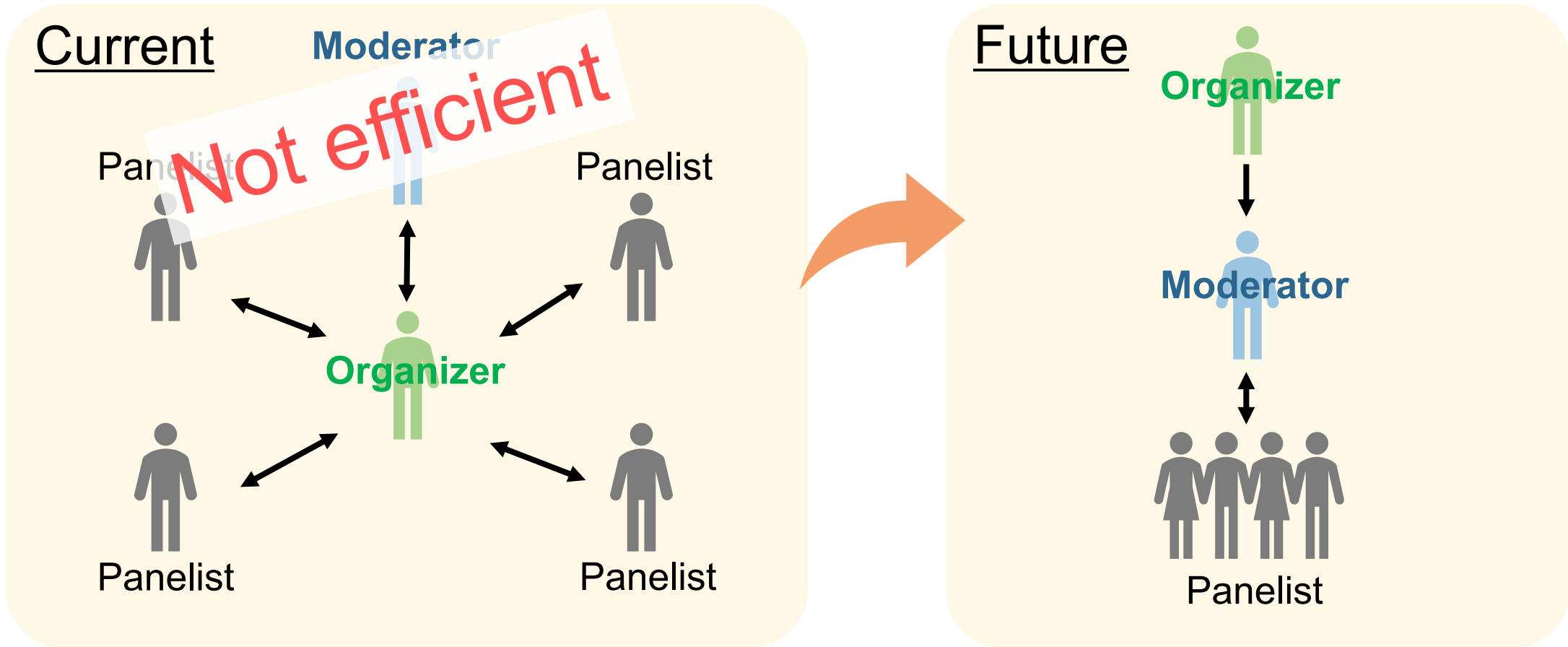
1. Panelists invitation & Contents adjustment



1. Panelists invitation & Contents adjustment

Tons of time and effort to share info.,
adjust contents, mail....

Reduce organizer's workload
by making it one-way



2. Operation on the day of the event



Not enough rehearsal of slides and videos procedure, time management and setting for online participants.



Conclusion

- The 1st UNISEC DEEP SPACE WORKSHOP was held and was a great success with a total of 100+ people attending.
- As lessons learned, the necessity of countermeasures to reduce the workload of the organizers and sufficient rehearsals are indicated.
- Shall we spread this community together??

Thank you for your attention

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