

# CIMON – the first Free Flyer on-board the ISS equipped with verbal human-machine-interface for effective crew assistance

## Scope of Cimon

### Technology Demonstrator:

- First Free Flyer in Columbus Module
- Fully verbal HMI
- Orientation towards Crew
- Absolute Navigation and Way Planning
- Mobile Camera / 3<sup>rd</sup> Eye
- Fully Speech controlled

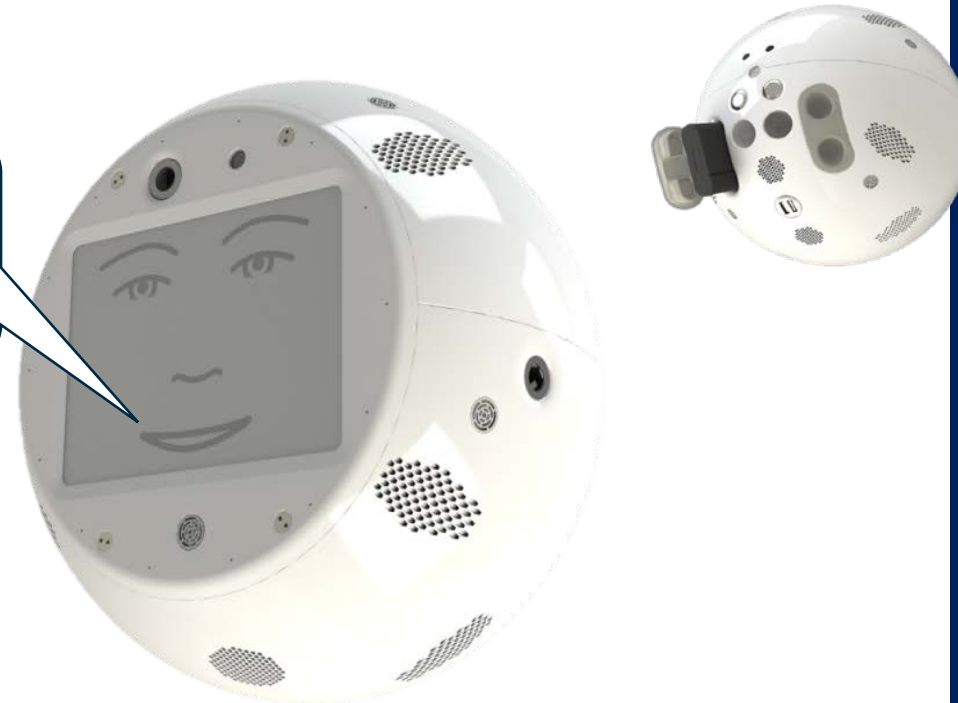
### Human Interaction:

- Science Support
- Procedure Execution Support
- Tool for various Experiments
- Social Interaction
- Tailored to ESA Astronaut Alexander Gerst

## Aesthetic Design

- ✓ Comfortable Man-Machine Interaction
- ✓ State-of-the-art Manufacturing per Rapid Prototyping
- ✓ Cabin Air based Propulsion System

CIMON says:  
Thank you for  
the batteries,  
SPHERES /  
Astrobee Team!



# CIMON

## Fact Sheet

From sketch to  
launch in less than  
2 years

08/2016: Kick-Off  
04/2018: Delivery

DLR:  
C. Karrasch

Airbus:  
T. Eisenberg