

# Ariel-IT: 5th national meeting on Ariel science



**Tuesday, May 5, 2026 - Thursday, May 7, 2026**

**Fuligno Cenacle**

## **Scientific Program**

## **Program**

### **Day 1 – Mission Status and Scientific Context**

Ariel mission updates

Results from the **Ariel dry run**

Overview of national contributions within the Ariel Consortium

Reports from working groups

Host star characterization (stellar parameters, abundances, observations)

### **Day 2 – Science Preparation and Methodologies**

Host star activity

The chemistry of the protoplanetary discs

Impact of stellar properties on planetary atmospheric interpretation

Star-planet interactions

Planetary parameters and planet atmospheric properties

### **Day 3 – Planet atmospheres & Synergies and Future Planning**

- Planetary atmospheres

- Synergies with PLATO, TESS, CHEOPS, JWST, HST, ELT, LIFE, HWO, HPC, SKA

- Definition of a national roadmap toward launch and early operations