

# **GEOPLANET Workshop**

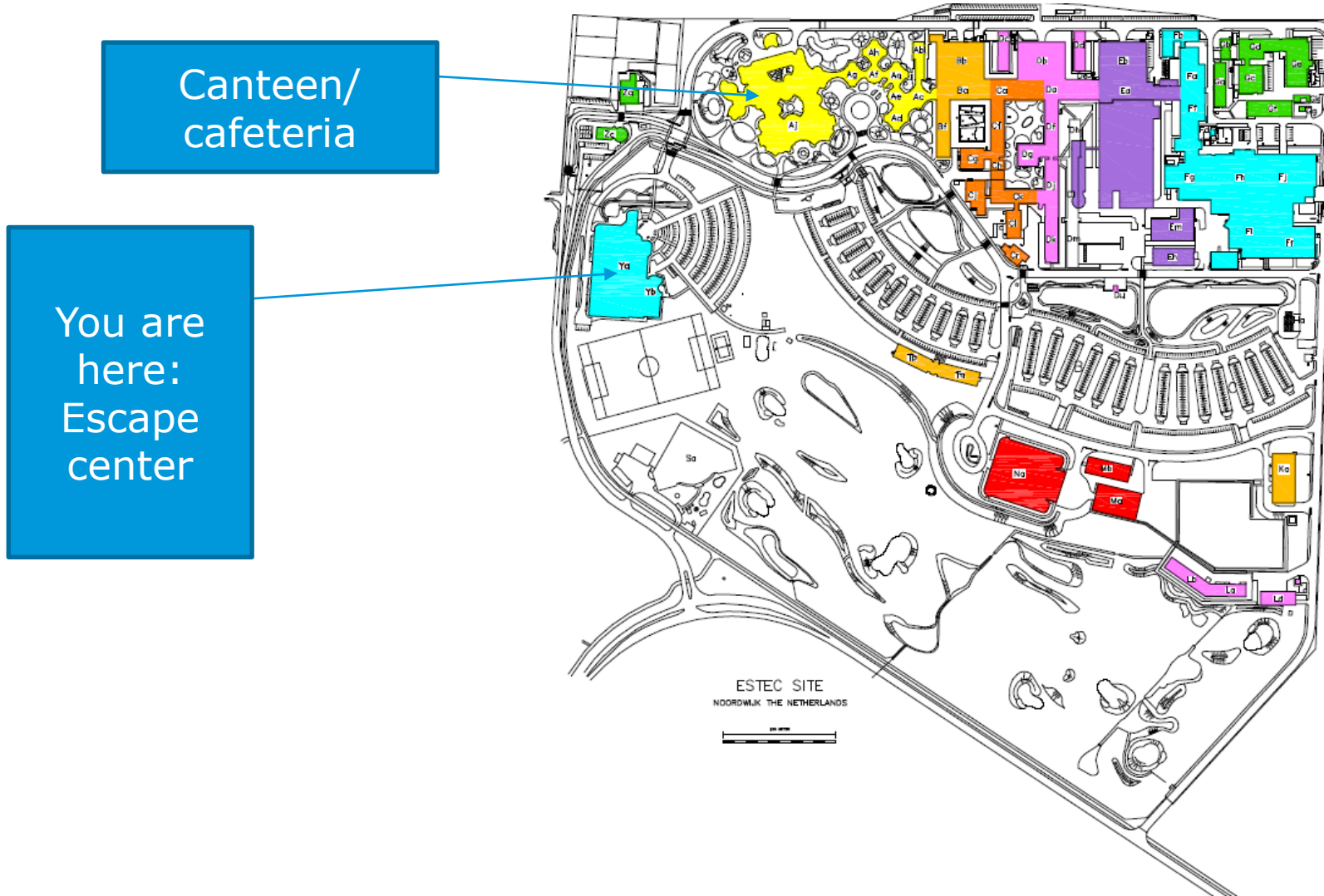
## **Introduction**

Olivier Witasse & Jorge Vago

# WELCOME at ESTEC!



# Lunch: 3 options



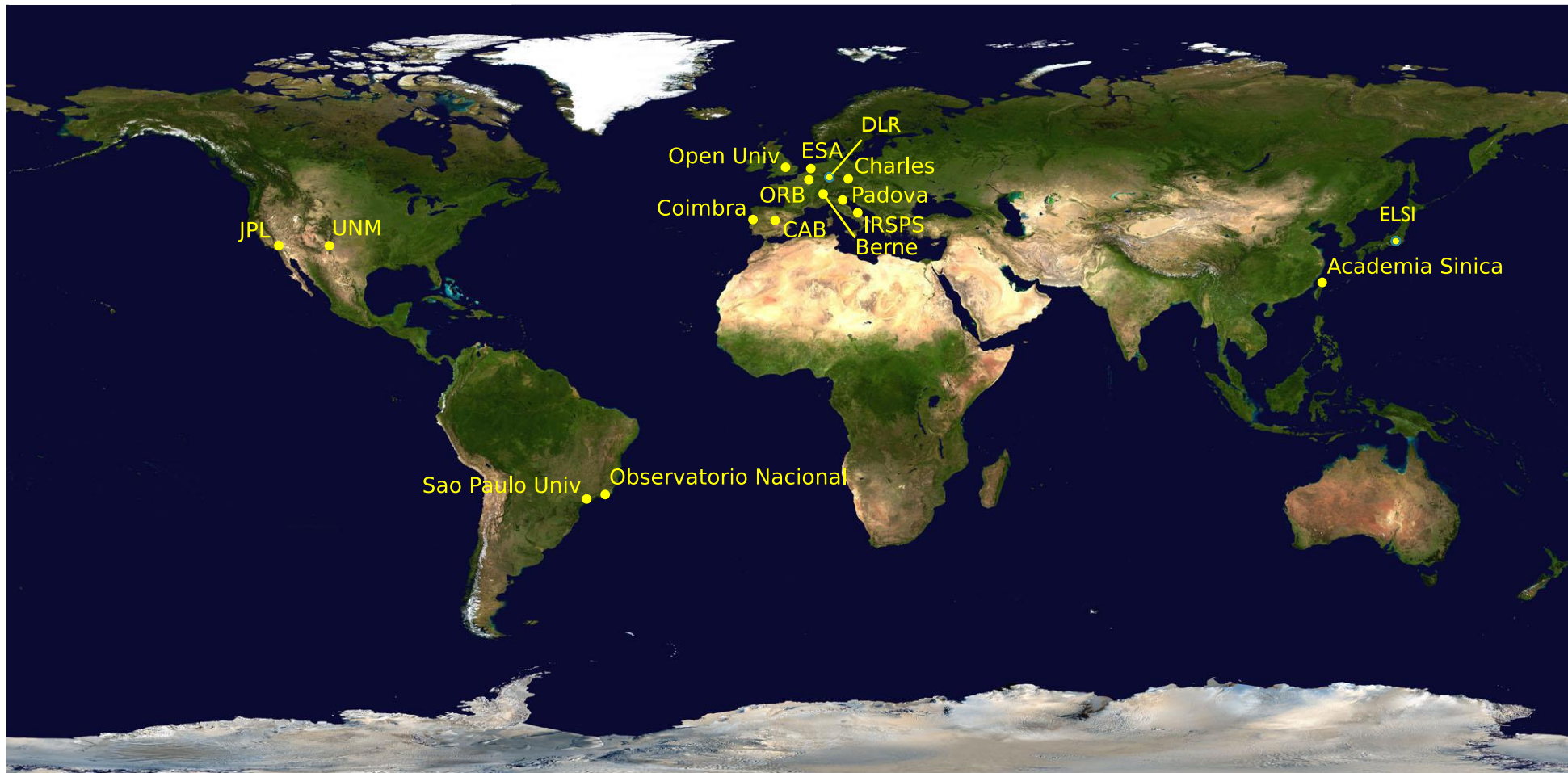
- Lunch at escape (here)
- Lunch at main canteen
- Sandwich at cafeteria

- Badge valid for the entire week
- Tomorrow: please come directly here
- Thursday: we meet at the gate

- 9-10 January: workshop on planetary missions
- 11-12 January: visit of ESTEC
- Some words from the Geoplanet leaders



International Research and Training **Network** in **Planetary Geosciences**



# Aims

- Build an international network dedicated to research and **education in planetary geosciences**
- *2017-2019*      **Enrichment of the current education/training program** for Masters, PhDs, Postdocs and Young Researchers at LPG and partner institutions
- *2019-...*      Build with partners an **international Master training program** (within the Europlanet framework)

# Actions (2017-2019)

- **Student and researcher mobilities** between LPG and partners (Master, PhD, young researchers)
- **Thematic schools**
  - ➔ ◦ Jan 2018: Planetary missions – ESTEC Noordwijk
  - Autumn 2018: Fluid-rock interactions in the Solar System – LPG Nantes
  - Autumn 2019: Fluid-rock interactions in the Solar System – Field school organized by LPG Nantes, location TBD

# 1<sup>st</sup> School: Planetary missions - ESTEC

- **THANK YOU ESTEC / Olivier Witasse / Jorge Vago !!!!!!!**
- **THANK YOU Solenne Lhéritier !!!!!!!**
- **Who is here?**
  - 11 Master students (all from LPG Nantes)
  - 7 PhD students (5 LPG Nantes + 1 DLR Berlin + 1 Charles Univ Prague)
  - 1 postdoc (DLR Berlin)
  - 4 young researchers (2 LPG Nantes + 1 Charles Univ Prague + 1 ORB Bruxelles)
  - + GeoPlaNet manager and leader (Olivier Verhoeven apologizes for not attending)
- **What will we do? ...**



# Geoplanet visit



Planetary mission: a complex process that can take 40 years from the idea to its end!

- ✓ Call for ideas, ideas by the scientific community, selection process
- ✓ Studies (phases A, B1)
- ✓ Development (phases B2, C, D)
- ✓ Launch
- ✓ Cruise phase (phase E..)
- ✓ Arrival at target: flyby, orbit, landing
- ✓ (aerobraking), Nominal mission, extended missions
- ✓ Post operation phase

→ WE WILL NOT COVER EVERYTHING!

→ PROBABLY A DENSE PROGRAMME!

→ ABOUT THE SPEAKERS

→ ASK QUESTIONS! QUESTIONS DURING WRAP-UP ALSO.

→ QUIZZ/Questionnaire at the end 😊

- Overview of the science programme, calls and selection of missions (Luigi Colangeli)
- Missions under studies (Peter Falkner)
- Lunch break
- Recruitment @ ESA (Fiona Walsh)
- Product assurance (Fabio Panin)
- ExoMars (Jorge Vago)
- Mars landing sites (Jorge Vago/Elliot Sefton-Nash)

Questions?  
Let's get  
started!

