GEOPLANET Workshop
Introduction

Olivier Witasse & Jorge Vago
WELCOME at ESTEC!
Lunch: 3 options

- Lunch at escape (here)
- Lunch at main canteen
- Sandwich at cafeteria
More of logistic

- 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 2019: Fluid-rock interactions in the Solar System – Field school organized by LPG Nantes, location TBD
1st 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? ...**
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😊
Today

- 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!