

GeoPlaNet - International Week for VR in Geosciences

Open Days November 29-30, 2021

Monday 29,

9:00 : **Opening**

[François CIVET](#) (VR2Planets, CEO)

[Olivier Verhoeven](#) (LPG Nantes, Nantes University, [GeoPlaN](#)et-SP co-coordinator)

9:15 : **Stereo photogrammetry: theory,**

[Marion Masse](#) (LPG Nantes, Nantes University, Research engineer)

9:45 : **Stereo photogrammetry: application and examples,**

[Peter Grindrod](#) (NHM, London, Researcher in the Earth Science dep.)

10:15 : *Coffee break*

10:30 : **Photogrammetry processing for geological analysis,**

[Marion Jaud](#) (LGO, University of Brest, Research Engineer)

11:00 : **Space instrument for 3D reconstruction and applications,**

[Jean Marc Delvit](#) (CNES, Head of the Earth Observation Lab)

11:30 : **Image processing for DTM creation and applications,**

[Sylvain Douté](#) (IPAG, Grenoble Alpes University, Researcher Planetary scientist)

12:00 : *Lunch break*

14:00 : **Moon and Mars data Extraction - Overview of planetary data repositories,**

[Riccardo Pozzobon](#) (University of Padova, PhD)

14:30 : **The HRSC data portal and a new web-GIS with embedded virtual panoramas,**

[Sebastian Walter](#) (FU Berlin, Scientific staff member and Co-I HRSC-Experiment)

15:00 : *Coffee break*

15:15 : **PSUP, a portal toward Mars,**

[Cathy Quantin-Nataf](#) (Claude Bernard University Lyon 1, Professor)

15:45 : **The use of 3D fossils for teaching and the SGF collection,**

[Baptiste Sucheras-Marx](#) (CEREGE-Aix-Marseille University, Lecturer)

16:15 : **The use of Virtual reality for geosciences,**

[François CIVET](#) (VR2Planets, CEO)

16:45 : *End of 1st day*

Acquisition methods and 3D processing

Open database and software

Tuesday 30,

Pedagogical applications

9:00 : **Virtual tour for geoscience teaching,**

[Philippe Goncalves](#) (*Chrono-environnement, Franche-Comté University, Associate professor*)

9:30 : **Design of a 360° virtual geological tour,**

[Yann Hautevelle](#) (*GeoRessources, Lorraine University, teacher/researcher*)

10:00 : **The VirtuaField project,**

[Sophie Viseur](#) (*CEREGE-Aix-Marseille University, research engineer*)

10:30 : *Coffee break*

10:45 : **Immersive application for marine science,**

[Maxime Kernen](#) (*IUEM, ISblue, University of Brest, research engineer*)

11:15 : **Multisource data and 3D environments for geological applications,**

[Guillaume Bacques](#) (*LMV, Clermont Auvergne University, research engineer*)

11:45 : **Scanning of subterrean sites, Rochefort cave,**

[Antoine Triantafyllou](#) (*Claude Bernard University Lyon 1, research associate professor*)

12:15 : *Lunch break*

14:00 : **3D reconstruction of the Comet 67P: Chury,**

[Laurent Jorda](#) (*LAM, Aix Marseille University, deputy director*)

14:30 : **3D reconstruction for experimental simulations,**

[Susan Conway](#) (*LPG Nantes, Nantes University, CNRS researcher*)

15:00 : *Coffee break*

15:15 : **Virtual reality for planetary exploration,**

[Stéphane Le Mouëlic](#) (*LPGNantes, Nantes University, CNRS, research engineer*)

15:45 : **The use of Virtual reality on sedimentary structures on Mars,**

[Gwenaëlle Caravaca](#) (*IRAP, University of Toulouse III, research engineer*)

16:15 : **Using VR in astronaut training and analogue operations,**

[Loredana Bessone](#) (*ESA, research director*)

16:45 : *End of 2nd day*

Scientific applications