

## Planetary Space Weather – Europlanet NA1 workshop

### **Participants**

Beatriz Sanchez-Cano  
Mika Holmberg  
Martin Volwerk  
Yoshifumi Futaana  
Moa Persson  
Carley Martin  
Andrea Opitz  
Benjamin Grison  
Catherine Dieval  
Niklas Edberg  
Norberto Romanelli  
Aniko Timar  
Daniel Santos-Costa  
Nicolas André  
Chihiro Tao  
Tomoki Kimura  
Go Murakami  
Geraint Jones  
Rui Pinto  
Baptiste Cecconi  
Anna Kotova

## **Monday 09/10**

### **09:30-09:45 Nicolas André**

Welcome and Objectives of the workshop

### **09:45-10:15 Catherine Dieval**

Solar wind and IMF dependence of the Martian ionosphere

### **10:15-10:45 Norberto Romanelli**

Variability of the Martian upper atmosphere and IMF control of the location of the Martian lobes

*10:45-11:00 Coffee break*

### **11:00-11:30 Beatriz Sanchez Cano**

Mars plasma system response to space weather variability with solar cycle

### **11:30-12:00 Yoshifumi Futanaa**

Space weather by ENA imagings in the (inner) solar system

### **12:00-12:30 Niklas Edberg** Space Weather at Venus, Mars (and Titan)

*12:30-14:00 Lunch at IRAP*

### **14:00-14:30 Chihiro Tao** 1D MHD propagation model

### **14:30-15:00 Andrei Fedorov, Elena Budnik**

MEX and VEX Solar wind data

### **15:00-15:30 Moa Persson**

Solar wind and EUV dependent models for the Venusian environment

*15:30-16:00 Coffee break*

### **16:00-16:30 Martin Volwerk**

Ahead and behind - IMF interaction with a weakly outgassing comet

### **16:30-17:00 Aniko Timar**

Solar wind dynamic pressure proxy from near comet observations

### **17:00-17:30 Niklas Edberg**

Solar wind interaction with comet 67P

## Tuesday 10/10

### **09:30-10:00 Tomoki Kimura**

Multi-wavelength observations of Jupiter's aurora during Juno's cruise phase

### **10:00-10:30 Chihiro Tao**

Variation of Jupiter's aurora observed by Hisaki/EXCEED

### **10:30-11:00 Go Murakami**

HISAKI observation results related to solar wind effect on Jupiter's inner magnetosphere

*11:00-11:15 Coffee break*

### **11:15-11:45 Daniel Santos-Costa**

Multifrequency analysis of the Jovian electron-belt radiation dynamics with ground-based and remote sensing observations and modeling tools

### **11:45-12:15 Quentin Nenon**

Space and time variability of the Jovian radiation belts as seen by the physical model Salammbô

### **12:15-12:45 Carley Martin**

Solar wind and seasonal influences on Saturn's current sheet

*Lunch at IRAP*

### **14:00-14:30 Mika Holmberg**

Seasonal and solar cycle modulations of Saturn's inner plasma disk

### **14:30-15:00 Nicolas André** CDPP/Propagation Tool and Heliopropa

### **15:00-15:30 Benjamin Grison**

Event prediction at the outer planets

*15:30-15:45 Coffee break*

### **15:45-16:15 Rui Pinto** Propagation of solar wind from 30 Solar radii to 1 AU

### **16:15-16:45 Yoshifumi Futaana**

Solar wind control of Moon environment (incl surface interaction and mini-magnetosphere).

### **16:45-17:15 Baptiste Cecconi** Radio emissions as planetary space weather probes

**19:30 Workshop Dinner at restaurant Le Bibent, place du capitole**

## **Wednesday 11/10**

### **09:30-10:00 Geraint Jones**

Cometary observations and derivation of SW properties

### **10:00-10:30 Andrea Opitz**

Propagation of solar wind by magnetic lasso

### **10:30-11:00 Benjamin Grison**

ICME propagation: testing the CDPP propagation tool

*11:00-11:15 Coffee break*

### **11:15-11:45 Go Murakami**

Space Weather at Mercury – two point measurements with BepiColombo

### **11:45-12:15 Nicolas Andre, Vincent Génot, etc**

CDPP Tools : AMDA+3DView

### **12:15-12:45 Tomoki Kimura, Daniel Santos-Costa, etc**

VO Databases : Hisaki, VLA, etc

*12:45-14:00 Lunch at IRAP cafeteria*

14:00-15:30 Open forum

*15:30-16:00 Coffee break*

### **16:00-17:00 Nicolas André**

Conclusions, Topical issue of JSWSC