

## VEP 24-25 January Oxford meeting agenda

Wednesday 24 January :

9:30- Coffee

### **Introduction**

10:00 C. Wilson – Welcome; Local information

10:05 E. Chassefière - Reminder of what the VEP mission is (science objectives, instruments, mission scenarios)

### **Status / News**

10:30 J. Blamont - General thoughts and balloon concepts for VEP

11:00 T. Imamura/ T. Yamada/ M. Nakamura - Status of the Japanese Venus entry probe

11:30 N. Sanko - Russian Federal programme and Venera-D

11:40 O. Korablev/ S. Linkin/ L. Zelenyi - Russian scientific interest for VEP

12:10 T. Balint - Recap of VEXAG3 meeting, US plans and possible implication in VEP

12:35 O. Witasse - Aerobraking with Venus-Express

### **12:45 Lunch break**

14:00 News of payloads and science : new ideas, new important instrument?

14:15 K. Aplin - VEPI paper, current status (missing sections), is it to be published, next steps?

### **Mission Configuration**

(reminder: baseline configuration is 4x descent probes : 3x dayside and 1x nightside, 1 cloud-altitude balloon + 20 microprobes, 1 low altitude balloon provided by JAXA, Orbiter, Atmospheric sample return -in option-)

14:30 Csaba Ferencz - Orbiter strawman Payload

14:55 Colin Wilson - Balloon strawman payload (& microprobe payload)

15:10 Simeon Barber – Mass Spectrometry for balloon and for microprobes

15:20 Alton Horsfall - High-temperature Gas sensors for microprobes

### **15:30 Coffee break**

16:00 Olivier Witasse - Descent probe strawman payload

16:30 Johannes Leitner - Status of landing site working group

16:40 Instrument payload : discussion on next steps (integrate these studies into a report on mass / power / data budgets to use as an input for mission studies).

### **18:00 End of first day**

Thursday 25 January :

9:00 J. Michaud - VEP mission scenarios, status of CNES mission studies

10:00 Scientists and Engineers - Discussion of mission scenario(s)

Core mission scenario and options : trajectories, spacecrafts, data relay strategy, cost, etc...

**10:30 Coffee break**

11:00

Scientific objectives vs mission scenarios

Critical technologies vs mission scenarios

Possible synergies between VENERA-D and VEP

Other...

**13:00 Lunch break**

14:00 International cooperation

Possibility for Japanese involvement in time for Cosmic Vision AO

Possibility for Russian involvement

Possibility for joint mission with NASA – perhaps post-2020.

15:00 Organization for the writing of the proposal

\* Preparation of the proposal (depends on the schedule of AO release and information from ESA on content)

- Proposal structure

- Distribution of work

- ...

\* Next meetings

- Next workshop (landing sites, ...)

- Next general VEP meeting

**16:00 End of the meeting**