

## ISSI project: “Characterization of cometary activity of 67P/Churyumov-Gerasimenko comet”

### First Meeting

#### Agenda

#### Wednesday 12<sup>th</sup> February

- 9:00 *Welcome* (Maurizio Falanga)  
*Project Presentation* (Andrea Longobardo)
- 10:30 Coffee Break
- 11:00 *The traceback algorithm, its application to the GIADA dataset and its relation to 67P geomorphology* (Andrea Longobardo)  
*How comets work* (Marco Fulle)
- 12:30 Lunch
- 14:00 *Dust numerical models: where we are* (Stavro Ivanovski and Vladimir Zakharov)
- 15:30 Coffee Break
- 16:00 *Gas activity maps: where we are* (Martin Rubin)  
*Statistics of nanometer scale dust starting from COPS data* (Boris Pestoni)
- 17:30 End of Session

#### Thursday 13<sup>th</sup> February

- 9:00 *Review of COSIMA results and suggested fusion with other datasets* (Hervé Cottin)  
*Dust activity vs geometric information* (Andrea Longobardo)
- 10:30 Coffee Break
- 11:00 *The dust activity as observed on the surface by VIRTIS* (Andrea Longobardo)  
*Dust color and seasonal variations as observed by VIRTIS* (Mauro Ciarniello)  
*Discussion: Dust activity maps*
- 12:30 Lunch
- 14:00 *Review of OSIRIS results: geomorphological maps, water ice exposition, outburst activity* (Jean-Baptiste Vincent)  
*Synthesis of the morphological description of cometary dust at comet 67P/Churyumov-Gerasimenko* (Andrea Longobardo on behalf of Carsten Güttler)
- 15:30 Coffee Break
- 16:00 *The outburst and gas activity as seen by VIRTIS* (Giovanna Rinaldi)  
*Discussion: Involvement of young scientists and external collaborations*
- 17:30 End of Session

## **Friday 14<sup>th</sup> February**

- 9:00 *Review of MIDAS results and suggested fusion with other datasets* (Thurid Mannel)  
*From Rosetta to laboratory: analogues preparation and analysis* (Fabrizio Dirri)
- 10:30 Coffee Break
- 11:00 *Meeting Summary* (Andrea Longobardo)  
*Discussion: Scheduling activity and identification of high-priority goals*  
*Discussion: Papers*
- 12:30 End of Meeting

## **Participants**

### ***Core Team Members***

1. Longobardo Andrea
2. Cottin Hervé
3. Ivanovski Stavro
4. Mannel Thurid
5. Merouane Sihane (via remote access)
6. Rinaldi Giovanna
7. Rubin Martin
8. Tubiana Cecilia (via remote access)
9. Zakharov Vladimir

### ***Young Scientists***

10. Dirri Fabrizio
11. Pestoni Boris

### ***External Collaborators***

12. Ciarniello Mauro
13. Fulle Marco

### ***Remote Attenders***

- Baptiste Jean-Vincent
- Della Corte Vincenzo
- Palomba Ernesto
- Rotundi Alessandra