

## Program

### Monday, 14 May 2012

09:00-09:15 **Ulrich Cubasch**, Welcome  
**Thierry Dudok de Wit, Katja Matthes, Ilaria Ermolli**, Workshop goals

#### Morning session: SSI measurements

09:15-09:45 **Werner Schmutz**, Measurements of TSI and SSI  
09:45-10:15 **Gerard Thuillier**, TBD  
10:15-10:45 **Peter Pilewskie**, Current and Future Measurements of Total and Spectral Solar Irradiance by NASA and NOAA

10:45-11:15 Coffee/Tea break

11:15-11:45 **Mark Weber**, SCIAMACHY SSI trends from solar cycle 23 to solar cycle 24  
11:45-12:15 **Thierry Dudok de Wit**, Merging recent UV observations: what does this tell us about recent variability?

12:30 Lunch

#### Afternoon session: Models of SSI variations

14:00-14:30 **Sami Solanki**, Mechanisms for SSI variations  
14:30-15:00 **Natalie Krivova**, Spectral irradiance reconstructions with SATIRE  
15:00-15:30 **Alexander Shapiro**, Modeling of the spectral solar irradiance with COSI

15:30-16:00 Coffee/Tea break

16:00-16:30 **Yvonne Unruh**, SSI models based on MHD simulations and observations  
16:30-17:00 **Ilaria Ermolli**, Spectral Irradiance reconstructions based on intensity images

### Tuesday, 15 May 2012

#### Morning session: Climate impact of SSI measurements

09:00-09:30 **Lesley Gray**, Solar Influences at the Earth's Surface  
09:30-10:00 **Stergios Misios**, Responses of the tropical stratosphere and troposphere to the 11-yr solar cycle: ensemble simulations with MAECHAM5  
10:00-10:30 **Katja Matthes/Felicitas Hansen**, Multi-model intercomparison of the impact of SORCE measurements in climate models

10:30-11:00 Coffee/Tea break

11:00-11:30 **Karin Labitzke**, Observational Evidence of the Solar Cycle/QBO Effects  
11:30-12:00 **Gabriel Chiodo**, Sensitivity of the atmospheric response to the specification of the UV solar cycle variation in WACCM3.5 simulations

12:30 Lunch

#### Afternoon session: Climate impact of SSI measurements and Splinter discussions

14:00-14:30 **Ulrike Langematz**, The effects of different solar irradiance datasets on stratospheric heating rates and temperatures

- 14:30-15:00 **Eugene Rozanov**, Comparison of the SSI data sets using observed and simulated evolution of the middle atmosphere during 2004-2010
- 15:00-15:30 **Kleareti Tourpali**, Solar cycle effects in the stratosphere and troposphere
- 15:30-16:00 Coffee/Tea break
- 16:00-18:00 **Splinter discussions on paper structure**
- 19:30 Dinner

**Wednesday, 16 May 2012**

**Morning session: Final wrap-up**

- 09:00-10:30 Reporting from the splinter groups
- 10:30-11:00 Coffee/Tea break
- 11:00-12:30 Final discussion on paper contents
- 12:30 Lunch