



Programme Group: **ATMOSPHERE AND THE WATER CYCLE**

Session: **AW5 “ I n t e r r e l a t i o n s h i p s b e t w e e n E a r t h a n d S p a c e ”**

Convener: **M. Messerotti**

Co-Conveners: **K. Labitzke, H. Lundstedt**

TENTATIVE PROGRAMME

Oral Presentations

1. **Messerotti, M.**
Analysis of interrelationships between Earth and Space Meteorology: a roadmap
2. **Labitzke, K.**
Variability in the Stratosphere: The Sun and the QBO (**Silver Medal Lecture**)
3. **Matthes, K.**
Modeling Solar Cycle and QBO Effects in the Atmosphere (**solicited**)
4. **Benestad, R.E.;** Schmidt, G.A.
Solar-activity's role Climate re-visited: testing recent claims.
5. **Rozanov, E.;** Fischer, A.; Brönnimann, S.; Peter, T.; Egorova, T.; Schmutz, W.
Global Climate and Ozone Response to the solar Irradiance Variability during 20th Century (**solicited**)
6. **Krivova, N.A.**
Variations of solar total and spectral irradiance (**solicited**)
7. **Lundstedt, H.;** Wintoft, P.; Wik, M.
Solar magnetic activity: NAO, ENSO and PDO
8. **Vanina-Dart, L.B.**
Role of influence of Solar Cosmic Rays on the lower ionosphere in regional climate changes.
9. **Scherer, K.;** Fichtner, F.; Heber, H.
Solar or cosmic ray forcing of the terrestrial climate? (**solicited**)

10. **Unruh, Y.;** Solanki, S. ; Schuessler, M.; Voegler, A.
Solar irradiance modelling from magneto-convection simulations (**solicited**)
11. **Wintoft, P.;** Wik, M.; Lundstedt, H.
Scale-based wavelet correlation of solar output data
12. **Veizer, J.;** Ferguson, P.R.
Coupling of terrestrial water and carbon fluxes: implications for the climate system (**solicited**)
13. **Tinsley, B. A.**
Global electric circuit affecting clouds and climate (**solicited**)

Poster Presentations

Dobrica, V.; Demetrescu, C.; Maris, G.; Pirvutoiu, C.
The relationship at decadal and centennial timescales between European temperature data and solar/geomagnetic activity, for the 20th century

Maris, G.; Maris, O.
The rapid solar wind analysis during the Whole Heliospheric Interval (Carrington Rotation # 2086)

Todorovich, N.; Vujovic, D.
New Insights on the Influence of Solar Wind in Driving the Cyclone Circulation

DRAFT PROGRAMME – NOT TO BE CIRCULATED !