

List of confirmed participants:

- Galina A. Bazilevskaya
- Karen Aplin
- Alexei Krivolutsky
- Giles Harrison
- Irina Mironova
- Keri Nicoll
- Mirela Voiculescu
- Andreas Kürten
- Ilya G. Usoskin
- Esa Turunen
- Ben Laken
- Claudia Stubenrauch
- Jon Egill Kristjansson
- Frank Arnold
- Jasa Calogovic

Useful Information:

Location of ISSI  
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<http://www.issi.berlin.ch>  
<http://www.issi.berlin.ch/localguide/location.html>

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Program:

THURSDAY 14 June 2012

9:15 Welcome and Introduction to the COST TOSCA

Claudia Stubenrauch and Jon Egill Kristjansson  
 "Goals of the COST TOSCA and WG3"

9:30 Role of cosmic rays in the Earth atmosphere (20 minutes per talk + 5 min questions)

Galina A. Bazilevskaya  
 "Spatial and temporal distributions of charged particle fluxes in the Earth's atmosphere during last half of a century"

Ilya G. Usoskin  
 "Atmospheric ionization by SEP events: How to model it?"

Esa Turunen  
 "Observations of relativistic electron precipitation into the atmosphere"

10:45 -11:15 Coffee Break

11:15 Analyses of cloud properties and relationships with cosmic rays (20 minutes per talk + 5 min questions)

Claudia Stubenrauch  
 "Interpretation of satellite data"

Mirela Voiculescu  
 "Competing effects of solar radiation and cosmic rays on cloud cover variation over the last two solar cycles"

Ben Laken / Jasa Calogovic  
 "Analysis of Forbush decrease events"

13:00 Lunch

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Program:

THURSDAY 14 June 2012

14:30 Electric circuit and ionization of atmosphere (20 minutes per talk + 5 min questions)

Giles Harrison 30 minutes  
 "The global electric circuit and coupling to clouds"

Karen L. Aplin  
 "Radiative effects of tropospheric cluster-ions"

Frank Arnold and H. Schlager  
 "Secondary aerosol and cluster ion formation in the free atmosphere: Search for precursor gases and new insights from the Fukushima NPP accident"

16:00 Coffee Break

16:30-17:30 Discussions

19:00 Dinner

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Program:

FRIDAY 15 June 2012

9:30 Cosmic rays and aerosol/cloud formation (20 minutes per talk + 5 min questions)

Jens Olaf Pedersen  
 "Results of the SKY-II Experiment" (transparencies provided for discussion)

Andreas Kürten  
 "Latest results of the CLOUD Experiment"

Jon Egill Kristjansson  
 "TBD"

10:45 Coffee Break

11:15 Using models for testing mechanisms of cosmic rays influence on atmospheric processes and climate (20 minutes per talk + 5 min questions)

Alexei Krivolutsky, Tatyana Vyushkova and Lidiya Cherepanova  
 "3D simulations of energetic particles forcing on composition and dynamics"

12:00 discussions

12:30 Lunch

14:00 Discussions on progress, problems to solve and future cooperations

15:30 Coffee Break

16:00 Adjourn

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