



Agenda for COST Action “Electronet” WG3 meeting
Place: Platform for Research on Systemic Biology and
Ecology, Biology College
Splaiul Independenței 91-95, București 050095, Romania

Tuesday, February 13, 09:00-17:30

Time	Name	Title	Comments
9:00-9:10	E. Rozanov	Intro	
9:10-9:20	M.Voiculescu	Welcome from LOC	
9:20-9:30		Self introduction of participants	
Section 1	Chairperson: I. Mironova	Ionization rate calculations	
9:30-10:00	I. Mironova	Various sources ionization that can be important for different atmospheric processes	
10:00-10:30		From Section 1 to “Research timetable”	Discussion
10:30-11:00		Health break	On site
Section 2	Chairperson: E. Mareev	GEC in climate and cloud models	
11:00-11:30	G. Harrison	Effects on clouds of global circuit current and atmospheric ionisation	
11:30-12:00	K. Nicoll	Observations of global electric circuit charging of clouds	

12:00-12:30	H. Manninen	From Clusters to Atmospheric Aerosol Particles: Nucleation in the CLOUD Experiment at CERN	
12:30-14:00		Lunch brake	
14:00-14:30	A. Karagodin	Ionospheric potential and conductivity in CCM SOCOL	
14:30-15:00	E. Mareev	On the prospects for improving GEC parameterizations in numerical models	
15:00-15:30		From Section 2 to “Research timetable”	Discussion
15:30 – 16:00		Health brake	On site
Section 3	Chairperson: Mai Mai Lam	Climate response to electrical processes in observations and models	
16:00-16:30	Mai Mai Lam	Observations of the meteorological response to IMF-driven GEC variations	
16:30-17:00	M. Freeman	A suggestion on coupling the GEC to meteorology in a GCM	
17:00-17:30	L. Zhou	The effect of global electric circuit on climate due to internal and external drivers	Presented by Mai Mai Lam
19:00		Social event	



Wednesday, February 14, 9:00-17:40

Time	Name	Title	Comments
9:00-9:30	M. Voiculescu	Solar induced variability of cloud cover, reality or coincidence?	
9:30-10:00	A. Karagodin, H. Manninen	The incorporation of By-autoconversion rates connection into the climate model	
10:00-10:30		From Section 3 to “Research timetable”	Discussion
10:30-11:00		Health break	On site
Section 4	Chairperson: C. Price	Lightning activity in climate models Including: Historical trends in thunderstorms; Present day long term observations; Modelling thunderstorms in GCMs; Future predictions.	
11:00-11:30	C. Price	Climate Change related to Thunderstorms and Lightning	
11:30-12:00	D. Carunaru	Solar wind modulation of cloud to ground lightning in Romania in 2003-2008	
12:00-12:30	E. Mareev	Physically based approach to include lightning in climate models	
12:30-14:00		Lunch	
14:00-14:30	A. Nita	Statistical predictors for lightning occurrence in Europe	
14:30-15:00		From Section 4 to “Research timetable”	Discussion
15:00-16:00, 16:30-17:30	Chairperson: E. Rozanov	Writing “Research timetable”	
16:00-16:30		Health break	On site
17:30-17:40		Concluding remarks	