



EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY



eLECTRONET

COST Action CA15211, Atmospheric Electricity Network: coupling with the Earth System, climate and biological systems (ELECTRONET)

Timetable of WG meetings, Workshop, and 6th MC meeting

1-3 March 2021, Belgrade (hybrid meeting, at Geographical Institute "Jovan Cvijić" SASA, and remote via ZOOM)

Information about the meeting can be found at the ElectroNet website

<https://www.atmospheric-electricity-net.eu/articles-list> and the meeting website

<http://www.gi.sanu.ac.rs/site/index.php/en/activities/conferences-organisation/1040-final-meeting-of-the-cost-electronet-action>

VERY IMPORTANT NOTE:

The times below are in CET (UTC+1)

The ZOOM link to the meeting will be send to participants THAT HAVE ACCEPTED their invitation to participate during the weekend 27-28 February

Presentations should use the Action template (available at the NEWS section of the Action website, at <http://www.atmospheric-electricity-net.eu/node/87>). Time slots addressing DELIVERABLES are in red. DISCUSSION time slots are in green and are not confined to the talk above them.

Monday 1 March 2021

Workshop/Joint Plenary Session (WG1, WG2, WG3, WG4, WG5)

10:00-10:10 Welcome address from the Local Organising Committee Chair Aleksandra Nina



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10:10-10:20 Welcome address from the Science Officer of the Action Dr. Mafalda Quintas

10:20-10:30 Konstantinos Kourtidis, (Chair): Overview of the Action and the final meeting

10:30-10:50 Attila Buzás: Long-term variation of atmospheric electric potential gradient at Nagycenk, Hungary, Central Europe

WG1 Chaired by Konstantinos Kourtidis (WG1 leader)

10:50-11:10 Karolina Szabóné-André: Recent efforts to monitor global lightning activity based on ELF measurements

11:10-11:30 Yaroslav Vyklyuk: Modeling and analysis of different scenarios for the spread of COVID-19 by using the modified multi-agent systems – Evidence from selected countries

11:30-11:50 József Bór: Characterization of the electromagnetic skin effect caused by the Earth's crust in the ELF band

11:50-12:10 Q & A and discussion

WG2 Chaired by Snezana Dragovic (WG2 leader)

12:10-12:35 Ashot Chilingarian: Circulation of radon progeny in the terrestrial atmosphere during thunderstorms

12:35-13:00 Aleksandra Nina: Lower ionosphere monitoring by VLF/LF radio signals: noise amplitude reduction before earthquake and QIonDR model

13:00-13:25 Christina Oikonomou: Final results from the common project on earthquake precursor signals in atmospheric electricity data

13:25-13:50 Irina Mironova: Spectra of high energy electron precipitation and atmospheric ionization rates retrieval from balloon measurements

WG3 Chaired by Eugene Rosanov (WG3 leader)

13:50-14:20 Eugene Rosanov: Grant Agreement Period Goal 1: Aerosol ionisation, cloud microphysics and AEF final report (secondary objective 1, Deliverable D3.2 "Report on studies on AEF, aerosol ionization and cloud microphysics performed during the Action").

14:20-16:00 Lunch break

WG3 Chaired by Eugene Rosanov (WG3 leader)

16:00-16:25 E. Mareev: Links between ENSO and the GEC

16:25-16:45 Earle Williams (invited speaker, USA): The Global Circuits Paradox

16:45-17:00 Tamás Bozóki: Predicting the occurrence of extreme El Nino events based on Schumann resonance measurements

17:00-19:00 Coffee/beer, discussions in groups (in gather.town, link will be send to participants before the meeting)

Tuesday 2 March 2021

WG3 Chaired by Eugene Rosanov (WG3 leader)



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9:50-10:15 Kseniia Golubenko: Atmospheric electricity response to extreme solar proton events

10:15-10:45 Colin Price: The impact of the Schumann Resonance on photosynthesis of plants (joint WG3, WG4 talk)

WG4 Chaired by Pablo Fernandez de Arroyabe (WG4 leader). In connection with WG1, WG2, WG3, WG5.

10:45-11:10 Pablo Fernandez de Arroyabe: WG-IV activities and deliveries in the frame of CA 15211

11:10-11:25 Ellard Hunting: Future challenges on Atmospheric Electricity and Biometeorology

11:25-11:50 Konstantinos Kourtidis: From the influence of synoptic weather on atmospheric electric field to future bioelectrical weather forecasting

WG5 Chaired by Keri Nicoll (WG4 leader)

11:50-12:20 Keri Nicoll: Update on WG5 activities

12:20-12:40 Susana Barbosa: Electric field monitoring over the Atlantic Ocean in the SAIL campaign

12:40-13:00 Pol Fontanes: Active electrostatic charge control for small UAVs

13:00-13:20 Marcelo Arcanjo: Corona point discharges from grounded rods under high background Electric Field

13:20-13:40 Konstantinos Kourtidis: Newer results from a low cost new sensor / Impact of wet soil on PG: An outdoor experiment

13:40-14:00 Q & A Discussion

14:00-15:30 Lunch break

WG5 Chaired by Keri Nicoll (WG4 leader)

15:30-15:50 Karen Aplin: Thermal and environmental testing of a miniaturized radiation detector

15:50-16:10 Vasiliki Daskalopoulou: Update on the ASKOS campaign to study long range dust transport from the Cape Verde Isles

16:10-16:30 Keri Nicoll: Charge emission from UAVs for geoengineering

16:30-18:00 Coffee/beer, discussions in groups (in gather.town, link will be send to participants before the meeting)

Wednesday 3 March 2021

10:00-12:00 WG meetings and round table discussions (WG1, WG2, WG3, WG4, WG5) Chaired by Konstantinos Kourtidis (Action Chair)

Compilation of a working list of open questions and future directions

END WG Meetings

MC6 Meeting Chaired by Konstantinos Kourtidis (Action Chair)

12:00(*)-15:30 6th and final Management Committee meeting. MC6 agenda will be circulated separately to MC members/substitutes/observers)

15:30-16:00 Coffee break

16:00-19:00 If necessary, MC5 meeting continuation

()The MC may begin slightly earlier or slightly later, if the morning discussions finish earlier or later than 12:00*



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17:00-19:00 Coffee/beer, discussions in groups (in gather.town, link will be send to participants before the meeting)

19:00 End of Day 3, end of meeting, ADJOURN



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