



EUROPEAN COOPERATION  
IN SCIENCE AND TECHNOLOGY



eLECTRONET

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

**Preliminary** Timetable of WG meetings, Workshop, and 6<sup>th</sup> MC meeting

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

**Belgrade local organizing Committee (LOC):**

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**IMPORTANT NOTE: *The times below are in CET (UTC+1). 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)**

10:00-10:45 Konstantinos Kourtidis, (Chair): Overview of the Action.

10:45-11:05 Attila Buzás: Long-term variation of atmospheric electric potential gradient at Nagycenk, Hungary, Central Europe

### **WG1**

11:05-11:25 Karolina Szabóné-André: Recent efforts to monitor global lightning activity based on ELF measurements

11:25-11:40 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



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11:40-12:00 József Bór et al.: Characterization of the electromagnetic skin effect caused by the Earth's crust in the ELF band

**12:00-12:15 Q & A and discussion**

**WG2 Chaired by Snezana Dragovic (WG2 leader)**

12:15-12:45 Ashot Chilingarian et al.: Circulation of radon progeny in the terrestrial atmosphere during thunderstorms

12:45-13:15 Alexandra Nina et al.: Variation in natural short-period ionospheric noise, and acoustic and gravity waves revealed by the amplitude analysis of a VLF radio signal on the occasion of the Kraljevo earthquake (Mw = 5.4)

13:15-13:45 Christina Oikonomou et al.: Final results from the common project on earthquake precursor signals in atmospheric electricity data

13:45-14:15 Irina Mironova et al.: Spectra of high energy electron precipitation and atmospheric ionization rates retrieval from balloon measurements

**14:15-16:00 Lunch break**

**WG3 Chaired by Eugene Rosanov (WG3 leader)**

16:00-16:30 E. Mareev: Links between ENSO and the GEC

16:30-16:45 Tamás Bozóki: Predicting the occurrence of extreme El Nino events based on Schumann resonance measurements

**16:45-17:15 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").**

**17:15-20:00 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)**

9:45-10:15 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 (WG3, WG4)

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

10:45-11:05 Pablo Fernandez de Arroyabe: WG-IV activities and deliveries in the frame of CA 15211

11:05-11:35

11:35-12:00 Kostas Kourtidis: a) The influence of circulation weather types on the exposure of the biosphere to atmospheric electric fields b) Measurements of soil redox and PG in Xanthi during Oct-Dec 2017

12:00-12:30 Ellard Hunting: Future challenges on Atmospheric Electricity and Biometeorology

**12:30-13:00 Q & A Discussion**



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***13:00-14:00 Lunch break***

**WG5**

14:00-14:10 Keri Nicoll: (WG5 leader) Update on WG5 activities

14:10-14:30 Susana Barbosa: Electric field monitoring over the Atlantic Ocean in the SAIL campaign

14:30-14:50 Pol Fontanes: Active electrostatic charge control for small UAVs

14:50-15:10 Marcelo Arcanjo: Corona point discharges from grounded rods under high background Electric Field

15:10-15:30 Kostas Kourtidis et al.: Impact of wet soil on PG: An outdoor experiment / Transect measurements of PG variation while moving away from a building / Newer results from a low cost new sensor

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

***17:30-20:00 Coffee/beer, discussions in groups (in gather.town, link will be send to participants before the meeting)***

## **Wednesday 3 March 2021**

**9:00-13:00 WG meetings and round table discussions (WG1, WG2, WG3, WG4, WG5)**

**Action end and outlook / Final Action Dissemination (FAD) Grant / Final Report to COST (briefing by Kostas Kourtidis followed by discussion)**

**END WG Meetings**

**MC6 Meeting**

**(\*)-15:30 6<sup>th</sup> 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 MC5 meeting (cont.)**

**(\*)The MC meeting will begin when the WG meetings will finish**

***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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