



**COST Action CA15211**

**Action Title: Atmospheric Electricity Network: coupling with the Earth System, climate and biological systems**

**WORKING GROUP IV - MEETING**

**24-26 January 2018, Santander  
Technical Nautica School - University of Cantabria  
Agenda**

## **Wednesday 24 January 2018**

### **Session I – Glossary and Handbook**

09:00-09:15 Reception of participants

09:15-09:30 Welcome by Prof. Javier León, Vicerrector of Research of the University of Cantabria

09:30-11:00 Glossary revision: a preliminary approach

*11:00-11:30 Coffee break*

11:30-13:30 Glossary Revision I: validation of concepts

*13:30-15:00 Lunch break*

15:00-17:00 Glossary Revision and Handbook of reviews.

17:00-18:00 Round table discussion

## **Thursday 25 January 2018**

### **Session II – Defining WG-IV specific research lines in the COST frame**

09:00-10:00 Keynote speaker: Prof. Luis Santiago Quindos Poncela

Title: Radon in the new basic safety standard



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10:00- 11:00 WG4 members presentations on molecular, cellular and tissue scales

*11:00-11:30 Coffee break*

11:30-12:30 Keynote speaker: Daniel Robert

Title: Bees as biological sensors of Atmospheric Electric Fields

12:30-13:30 WG4 presentations on animals, soils and plants

*13:30-15:00 Lunch break*

15:00-16:00 Keynote speaker Dr. Dominic Roye

Title: CWT as a key tool for studying the interaction between AEF and Human Health

16:00-17:00 WG4 presentations related to BDI and human health

17:00-18:00 Round table on future research lines definition: Research Lines Matrix composition

**20:30 Action WG-IV Dinner**

## **Friday 26 January 2018**

### **Session III Measuring AEF**

Place: Regional Delegation of the Spanish Agency of Meteorology (AEMET) (Transport will be provided by the organization)

9:20-9:30 Dr. Jose Luis Arterche

Welcome from the Regional Delegate of AEMET

9:30-10:30 Keynote speaker: D. Ciro Luis Salcines Suarez

Title: Atmospheric measurement of charged nanomaterials

10:30-11:30 Keynote speaker: D<sup>a</sup> Silvia López Vidal and D. Enrique Setién Martinez.

Showcase - Technical approaches for measuring electrical properties of nanoparticles I

*11:30-12:00 Coffee break*

12:00-12:45 Keynote speaker: D<sup>a</sup> Silvia López Vidal and D. Enrique Setién Martinez.

Showcase - Technical approaches for measuring electrical properties of nanoparticles II

12:45-13:15 Keynote speaker: Rafael Cuesta Barbado

Showcase: Super-fast ultra-low noise charge measurement

13:15-14:00 Chair: Pablo Fernandez de Arroyabe /

Round table with all speaker and final conclusions



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