

PEEX Working Group & iCUPE - EraPlanet Meeting in collaboration with Global-SMEAR-Climate-KIC and TRAKT projects

Date: 1 - 2 November 2018

Venue: Cultural Centre Sofia (Kallvikinniementie 35, FI-00980 Helsinki, Finland)

Aim of the PEEX – iCUPE Meeting

- to introduce the PEEX, iCUPE, SMEAR concepts
- to discuss synergies between programs and projects (PEEX, iCUPE, SMEAR, HiMAC, TRAKT) and PEEX assessment

THURSDAY 1 November 2018

13:00-15.00 PEEX / iCUPE / SMEAR measurement concepts & measurements & data products

- in situ land ecosystems PEEX/Global SMEAR, Markku Kulmala, INAR, UHEL
- marine observations and syntheses (PEEX) Petteri Uotila, INAR, UHEL
- Polar in-situ (iCUPE), Warren Cairns & Andrea Spolaor, CNS
- satellites, Earth Observation (PEEX), Gerrit Leeuw FMI / INAR / RAD
- satellites, glaciers, ice (iCUPE), Angela Humbert, AWI
- biomass, artificial light etc. (iCUPE) Sabine Chabrillat, GFZ
- discussion

15.00-15.30 Coffee break

15:30-16:00 Modelling Tools

- iCUPE modeling, Kathy Law & Jennie Thomas, CNRS
- PEEX Modelling Platform, Alexander Baklanov, WMO, Alexander Mahura, Risto Makkonen, INAR, UHEL
- Discussion

16.00-16.30 Impacts & Integration incl. socio economic aspects

- A Kinetic Mass Balance Model for Predicting Gas-Particle Partitioning of Semi and Low Volatility Organic Contaminants' (iCUPE), Fangyuan Zhao, Stockholm University
- TRAKT- project results and future aspects, Igor Esau, NERSC
- DBAR-HIMAC High Mountains – Cold Regions data aspects, Yubao QIU, RAD CAS
- On Arctic research, German activities, Christa Engler, Uni-Leipzig

16.30 – 17.30/18.00 Parallel meetings

- (i) *Global SMEAR Climate-KIC project meeting for the project partners*
- (ii) *DBAR-ICoE-Helsinki and DBAR collaboration*
- (iii) *iCUPE /PEEX (all participants are welcome) - iCUPE data products discussion, PEEX urban related activities*
- (iv) *TRAKT project, Igor Esau*

18.00 Free format Dinner, iCUPE / PEEX / Climate-KIC discussions continues in smaller groups

FRIDAY 2 November 2018

09.00-10.00 Summary of the 1st day and discussion

10.00-11.00 Baselines for scientific overview (PEEX / iCUPE)

- Future climate scenarios for PEEX / iCUPE region Risto Makkonen, FMI/ INAR, UHEL
- Analytical and visual approach for science summary Nuria Altimir, INAR, UHEL
- In situ data and models versus satellite data (iCUPE) Tuukka Petäjä, INAR, UHEL
- Discussion

11.00-12.00 Lunch

12.00-14.00 Future perspectives PEEX / iCUPE / GlobalSMEAR-ClimateKIC / TRACT; research infrastructures, research, education

- European ecosystem research infrastructures and future perspectives, Jaana Bäck, INAR, UHEL
- PEEX towards 1st Scientific Assessment Hanna Lappalainen, INAR, UHEL
- education aspects and synergies (PEEX, ICuPe, INTAROS) Antti Lauri & Taina Ruuskanen, INAR, UHEL
- outreach, Stephanie Mazon, INAR, UHEL
- discussion
- closing remarks, Tuukka Petäjä, Hanna Lappalainen