

Programme de la Journée Scientifique 2024 du Labex CaPPA

Mardi 12 mars 2024

Amphithéâtre Pascal
Cité Scientifique, IMT Nord Europe
Villeneuve d'Ascq

8:30-9:00	Accueil - Café
9:00-9:25	Introduction – Point d'avancement du projet CaPPA.
9:30-10:45	Synthèse des activités scientifiques 2023 (1^{ière} partie) *
9:30-9:55	WP6 : "The selenium in you: why we take an atmospheric interest in a disregarded element", <i>Luna Cartayrade (PC2A)</i>
9:55-10:20	WP1 : "Temperature-dependent kinetics of the nocturnal oxidation of furan compounds with Nitrate radical", <i>Fatima Al Ali (LPCA/CERI EE)</i>
10:20-10:40	WP3 : "The AERO HdF campaign in summer 2023", <i>Fabien Waquet (LOA)</i>
10:40-11:00	Pause
11:00-11:30	Session poster flash**
11:30-12:15	Session Poster
12:15-13:00	Buffet
13:00-13:45	Café - Posters
13:45-15:00	Synthèse des activités scientifiques 2023 (2^{ième} partie) *
13:45-14:10	WP2 : "Uptake of methylglyoxal on natural mineral dusts and proxies", <i>Anaïs LOSTIER (CERI EE)</i>
14:10-14:35	WP3 : "Volatile Organic Compounds shipping emissions observed in an industrial harbour of northern France", <i>Erwan Volent (CERI EE)</i>
14:35-15:00	WP4 : "Growth and persistence of stratospheric sulfate aerosols from the 2022 Hunga Tonga eruption ", <i>Marie Boichu (LOA)</i>
15:00-15:25	WP5 : "How mixed are mixed phase clouds? The influence of aerosols on the spatial distribution of cloud phases" <i>Quentin Coopman (LOA)</i>
15:30-16:00	Perspectives: Le projet AREA (Aerosol at the Heart of the Earth/Atmosphere system).
16:00-16:30	Posters
16:30	Clôture de la journée

* Découpage par WP : bilan 2023 par les WPs leaders (5'), présentation scientifique (15'), questions (5')

** Voir liste des posters en page 2. Consignes : 1 diapositive et 2 minutes pour présenter le poster.



Liste des Posters

- P1 : "A theoretical study on the HO \cdot -initiated oxidation of chlorpyrifos pesticide: Mechanism, kinetics, and ecotoxicity".
Hisham K. AL RAWAS (PC2A)
- P2 : "Influence of inorganic ligands on the relative stabilities of Pa $^{5+}$ and PaO $_3^+$ complexes: a computational study".
Tamara SHAABAN (PhLAM)
- P3 : "OH reactivity determination for the characterisation of atmospheric oxidation processes"
Emilie CHANTRAINE (PC2A)
- P4 : "NO and OH profiles in premixed low-pressure NH $_3$ /O $_2$ /N $_2$ flames using calibrated LIF: Comparison with modeling"
Nour EL BABA (PC2A)
- P5 : "Microwave spectroscopy and microsolvation of aerosols precursor : the nitro-methoxyphenols"
Colwyn BRACQUART (LPCA/PhLAM)
- P6 : "Investigating Secondary Organic Aerosol Formation from Gas-Phase Reaction of Myrtenal, a First-Generation Terpene Oxidation Product, with NO $_3$ Radicals within the atmospheric simulation chamber CHARME"
Sandy SOLAIMAN (LPCA/CERI EE).
- P7 : "Theoretical characterization of the kinetics of the multiphase ozonolysis of an aqueous maleic acid droplet"
Rawan ABOUHAIIDAR (PHLAM).
- P8 : "Ab Initio Molecular Dynamics calculations on NO oxidation over graphite oxides.
Gilberto ALOU (PHLAM)
- P9 : "Mineral dust and residual biomass ash aerosols complex refractive indices retrieval"
Maria CHEHAB (LOA/PC2A).
- P10 : "Study of Low-Level Jets over the North Sea using lidar observation and mesoscale meteorological simulations "
Pauline HAEZEBROUCK (LPCA)
- P11 : "Données et Services AERIS/ICARE pour le réseau ACTRIS "
Nicolas PASCAL (ICARE)
- P12 : "Turbulent structures in the atmospheric surface layer: observation by remote sensing and machine learning processing "
Perrine MAYNARD (LPCA)
- P13 : "Multi-annual characterisation of PM $_1$ aerosol optical properties, size distribution and chemical composition at the urban atmospheric site ATOLL in Lille "
Suzanne CRUMEYROLLE (LOA)