

## PROGRAMME

### SUNDAY 9<sup>TH</sup> SEPTEMBER 2018

**19h00** Welcome wine & cheese cocktail, *Hôtel Dupanloup*

### MONDAY 10<sup>TH</sup> SEPTEMBER 2018

**08h00-08h30** Registration, *Hôtel Dupanloup*

**08h30-09h00** Welcome coffee, *Hôtel Dupanloup*

**09h00-18h00** Presentations & posters, *Hôtel Dupanloup*

#### SESSION CHAIRS: PR WAHID MELLOUKI & PR TAO WANG

**09h00** Opening ceremony: Pr Eric Villenave (Chair of the Atmospheric Chemistry Research Programme, INSU-CNRS, France), Sophie Gabillet (LE STUDIUM, France) & Pr Fahe Chai (CRAES-Ministry of Environment, China)

**09h30** Pr Matthias Beekmann

Air pollution from urban to continental scales: common problems in different continents

**10h00** Pr Fahe Chai

Progress and prospective of the prevention and control of air pollution in China

**10h30** Coffee break, Posters Session & Group photo

#### SESSION CHAIRS: DR VÉRONIQUE DAËLE & PR FAHE CHAI

**11h00** Pr Tao Wang

Nitrate formation from heterogeneous reactions of dinitrogen pentoxide during a severe winter haze in southern China

**11h30** Pr Bernard Thomann

Silicosis in Japan: knowledge construction and comparative prospects

**12h00** Dr Christophe Mouvet

The Platforms for environmental Innovations, Valorization and Technological optimizationS (PIVOTS Platforms)

**12h15** Lunch & Posters Session

#### SESSION CHAIRS: DR GAËLLE DUFOUR & PR XINMING WANG

**14h00** Pr Yujing Mu

The levels, variation characteristics, and implications of atmospheric H<sub>2</sub>O<sub>2</sub> in the North China Plain

**14h30** Mathieu Lachatré

The unintended consequence of SO<sub>2</sub> and NO<sub>2</sub> regulations over China: increase of ammonia levels and impact on PM<sub>2.5</sub> concentrations

**14h45** Pr Jian Gao

The Development of PM<sub>2.5</sub> source apportionment and its application in air pollution control in China

**15h00** Dr Jean-Eudes Petit

Particulate pollution in Paris, France: from long-term trends to intense pollution episodes. Results from highly-time resolved chemical composition measurements

**15h15** Pr Hongjun Mao

Study of air quality vs vehicle emissions, China

**15h30** Coffee break & Posters Session

#### SESSION CHAIRS: DR EMILIE PERRAUDIN & PR MAOFA GE

**16h00** Pr Hartmut Herrmann

Atmospheric multiphase chemistry: What could be important in China ?

**16h30** Dr Shengrui Tong

The formation of secondary sulfate particles through heterogeneous reactions

**16h45** Miao Wang

Study of volatile organic compounds (VOCs) in the cloudy atmosphere at the top of the puy de Dôme station in France: air/droplet partitioning of VOCs

**17h00** Franck Amiet

Development of on-line and field TD GC-MS for automatic VOCs monitoring on petrochemical sites

**17h10** Kun Wang

Total laser exhaust remote sensing monitoring system

**19h30** Dinner at Le Lift restaurant

### TUESDAY 11<sup>TH</sup> SEPTEMBER 2018

**08h45-09h00** Welcome coffee, *Hôtel Dupanloup*

**09h00-18h00** Presentations & posters, *Hôtel Dupanloup*

#### SESSION CHAIRS: DR VALÉRIE GROS & PR TAO WANG

**09h00** Dr Agnès Borbon

Anthropogenic gaseous organic carbon in urban environments: sources and impacts

**09h30** Dr Yangang Ren

Chamber studies of the ozonolysis of several alkenes: gas-phase products and particle formation induced by SO<sub>2</sub> oxidation

**09h45** Dr Hui Chen

Overview of Baoding Wangdu Superstation Campaign during 2017-2018 Winter Haze period

**10h00** Pr Christophe Guimbaud

High resolution infrared spectroscopy applied for measurements of Greenhouse Gas (GHG) emissions from peatlands and hydrocarbon-contaminated soils to the atmosphere

**10h15** Haige Hu

Experience of Air quality management - a city study in China

**10h30** Coffee break & Posters Session

**SESSION CHAIRS: DR ZHOU LI & PR JIXIN SU**

**10h45** **Pr Jianmin Chen**

Chemical composition and droplet size distribution of cloud and new particle formation at Mount Tai, China

**11h15** **Dr Xinfeng Wang**

Nitrated phenols and the phenolic precursors in atmosphere in urban Jinan, China

**11h30** **Dr Rachel Gemayel**

Photosensitized reactions as a source of secondary organic aerosols formation in the atmosphere

**11h45** Posters 1 Slide/1 Minute Presentations

**12h30** Lunch & Posters Session

**SESSION CHAIRS: DR GISÈLE KRZSTOFIAK & PR YUJING MU**

**14h00** **Pr Min Hu**

Aerosol primary emission and secondary formation from the vehicles with gasoline direct injection and port fuel injection

**14h20** **Pr Frédéric Ledoux**

Seasonal variations of fine and quasi-ultrafine atmospheric particles characteristics at an industrialized coastal city, Northern France

**14h35** **Dr Xiaobing Pang**

Vertical profiles of atmospheric compositions in Tibetan observed by a homemade device

**14h50** **Pr Pinhua Xie**

Measurements of atmospheric reactive nitrogen oxides based on high-finesse optical cavity techniques

**15h05** **Benfeng Pan**

Air quality monitoring solution for the air pollution problems in China

**15h15** **Lei Lin**

Online atmospheric particulate source analysis technology and photochemical pollution monitoring technology

**15h25** Coffee break & Posters Session

**SESSION CHAIRS: MARIE ROVERETTO & PR JUN XU**

**15h45** **Pr Eric Villenave**

LANDEX : An atmospheric field study in the Landes forest (France)

**16h05** **Dr Benjamin Hanoune**

The APOLLINE network – a tool for research in atmospheric chemistry, indoor environmental quality, individual exposure, and more

**16h20** **Dr Yanli Zhang**

Formation of secondary pollutants during photochemical aging of exhaust from gasoline vehicles running at different speeds

**16h35** **Chaoyang Xue**

Field measurements about HONO emission flux from agricultural soil

**16h50** **Dr Jean-Baptiste Renard**

Measurements of the particulate pollution obtained with the light aerosols counter LOAC at ground and on-board tethered touristic balloons up to an altitude of 300 m

**17h05** End of the workshop

**19h00** Cocktail, *Hôtel Dupanloup*

**WEDNESDAY 12<sup>TH</sup> SEPTEMBER 2018**

**09h00** **Departure by bus from the Hotel Dupanloup (please make sure you have registered)** to visit the PIVOTS's platforms: CNRS (ICARE and ICMN laboratories) and BRGM sites, *Orléans - La Source*

**PRAT:** Atmospheric reactivity studies platform : visit of HELIOS, the atmospheric simulation chamber with natural irradiation of Orleans and the VOLTAIRE super-site (CNRS site).

**PESaT:** Platform on the Exchanges of GHG between Soils and the Atmosphere in peatland: visit of the experiment simulating an increase of the air temperatures and a water table drawdown (CNRS site).

**PRIME:** Visit of the BRGM Hall where PRIME is being built: description of the future Platforms and presentation of some already active experimental set-ups (BRGM site).

**DECAP:** Sensors development and depollution process for water monitoring: visit of the platform in ICMN laboratory, with a focus on the development of innovative solutions for the detection and the remediation of micropollutants in natural and waste waters (CNRS site).

**13h00** Meeting point in Orléans - La Source, lunch bags available in the bus departing for the sightseeing tour **(please make sure you have registered)**

**13h00-22h00** Tourist visit & final dinner