



French-Russian workshop “Environmental Change in Siberia”

21-23 oct. 2019 Paris, France (France)

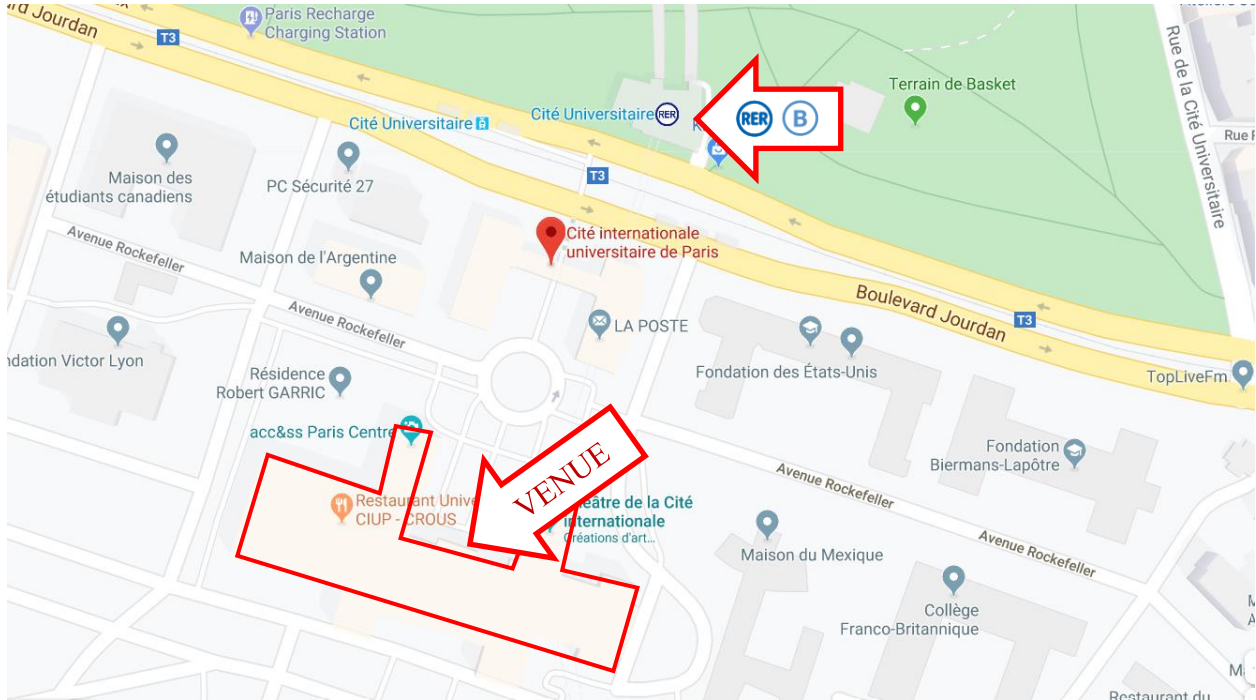
# **Environmental change in Siberia**

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## **Workshop program and Practical guide to the venue**

21-23 October 2019  
Paris

The French-Russian workshop on Environmental Changes in Siberia takes place at the:  
**Cité Internationale Universitaire de Paris**  
17 Boulevard Jourdan, 75014 Paris  
France  
(Maison Principale, Room: David Weill)  
T : + 33 143136672



Wireless Access: Free WIFI will be provided at the premises for all participants

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## ACCOMMODATION

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Hotel bookings should be arranged and paid for by the participants.

The following hotels are suggestions and any contacts and bookings must be made directly by the participants:

### [Hotel B55](#)

55 Rue Boussingault, 75013 Paris • 01 81 80 31 90



### [Hôtel du Parc Montsouris](#)

4 Rue du Parc de Montsouris, 75014 Paris • 01 45 89 09 72



### [ibis budget Porte D'Orleans](#)

15-21 Boulevard Romain Rolland, 75014 Paris • 0 892 68 05 39





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## AIRPORT AND TRANSFERS

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The venue is located in the vicinity of RER B (local train station). RER B is the direct train line from both city airports, Charles-de-Gaulle and Antony.

### **From Charles-De-Gaulle airport**

Please purchase tickets for the  train directly in the airport and take the  train towards Cite Universitaire station (direction “Robinson” or “Saint-Remy les Chevreuse”). Exit the train at the station “Cité Universitaire” and follow to the venue, as shown on the map below.

Alternatively, you can take the taxi from the CDG airport to the venue (approx. 50 Eur). Watch out for licensed taxis.

### From Orly airport

Please purchase a ticket to the ORLYVAL direct shuttle-train. This train will take you to Antony station (RER line B). At Antony station please take the  train to the direction of Aéroport Charles-De Gaulle or in the direction of Mitry Claye. Exit at the station “Cite Universitaire” and proceed to the venue as shown at the map below. Alternatively, you can take a taxi from Orly airport to the venue (approx. 25 Eur).



To find more information about the prices of the trains or other means of transportation please check the following link (can be viewed in English and French): <https://www.ratp.fr/en/titres-et-tarifs/airport-tickets>

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### CONTACT PERSONS

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**PROGRAM**

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**Monday, 21 October 2019**

13:30 - 14:00	Welcome coffee
14 :00 – 14 :10	Introduction – Ségolène Royal, French Ambassador for the Poles (tbc)
14:10 - 14:20	Introduction - Cyril Moulin (Deputy director of CNRS-INSU)
14:20 - 15:00	Introduction - Jean Jouzel
15:00 - 18:00	<i>Session Ecosystèmes terrestres et biogéochimie</i>
15:00 - 15:15	Russian-French collaboration via the mega-transect approach for the large-scale bilateral and international projects - <i>Sergey Kirpotin, Bio-Clim-Land Centre of excellence</i>
15:15 - 15:30	High resolution record of dissolved organic carbon export from a subarctic catchment underlain by discontinuous permafrost - <i>Laure Gandois, Laboratoire d'Ecologie Fonctionnelle et Environnement, ECOLAB, Université de Toulouse, CNRS, INPT, UPS, Toulouse</i>
15:30 - 15:45	Long-term and seasonal changes of lakes of the Pyakupur river basin - <i>Iurii Kolesnichenko, Bio-Clim-Land Centre of excellence, Tomsk State University</i>
15:45 - 16:00	Permafrost degradation under climate change: experimental approach in a cold room. - <i>Francois Costard, Géosciences Paris Sud</i>
16:00 - 16:15	Study of the thermal imprint of a river in a continuous permafrost area (Syrdakh, Central Yakutia, Russia) - <i>Christophe Grenier, Laboratoire des Sciences du Climat et de l'Environnement - Albane SAINTENOY, Géosciences Paris Sud</i>
16:15 - 16:30	High Performance Computing for permafrost modeling: towards mechanistic assessments of climate change impacts at the scale of the experimental watershed - <i>Laurent Orgozo, Géosciences Environnement Toulouse</i>
16:30 - 16:45	Spectral characteristics of northern plants for monitoring technogenic impact on the ecosystems of the Russian Subarctic with satellite imagery - <i>Elena Golubeva, M.V.Lomonosov Moscow State University</i>
16:45 - 17:00	Seasonal trends in limnological properties and greenhouse gas emissions from different types of thermokarst lakes in Central Yakutia - <i>Frédéric Bouchard, Géosciences Paris Sud</i>

**Monday, 21 October 2019**

17:00 - 17:15	Understanding the impact of current permafrost thawing on environment: release of carbon in Central Yakutia (Eastern Siberia) - <i>Antoine Séjourné, Géosciences Paris Sud</i>
<b>19:00 – 21:00</b>	<b>Hosted Ice breaker</b>

**Tuesday, 22 Octobre 2019**

09:00 - 12:00	Atmospheric pollution and climate forcing
09:00 - 09:15	› Ship-borne measurements of atmospheric composition over the Arctic seas in 2015-2019 - <i>Andrey Skorokhod, A.M.Obukhov Institute of Atmospheric Physics RAS</i>
09:15 - 09:30	› Using ship-borne observations of methane isotopic ratio in the Arctic Ocean to understand methane sources in the Arctic - <i>Isabelle Pison, Laboratoire des Sciences du Climat et de l'Environnement</i>
09:30 - 09:45	Spatial distribution CO <sub>2</sub> and CH <sub>4</sub> concentrations across West Siberia: mobile measurement campaigns of 2018-2019 - <i>Mikhail Arshinov, V.E. Zuev Institute of Atmospheric Optics, SB RAS, Tomsk, Russia</i>
09:45 - 10:00	Regional anthropogenic methane in Siberia : airborne observation of oil and gas emissions - <i>Jean-Daniel Paris, Laboratoire des Sciences du Climat et de l'Environnement [Gif-sur-Yvette]</i>
10:00 - 10:15	UHIARC-Network as a tool for investigation of boundary layer inversions and urban heat island in big cities of eastern Arctic - <i>Pavel Konstantinov, Lomonosov Moscow State University, Faculty of Geography</i>
	<i>Coffee break</i>
10:30 - 10:45	Comprehensive study of the troposphere over the Russian Arctic using the "Optik" Tu-134 aircraft laboratory - <i>Boris Belan, V.E. Zuev Institute of Atmospheric Optics SB RAS, Tomsk, Russia</i>
10:45 - 11:00	Identification of aerosol sources in Siberia and study of aerosol transport at regional scale by airborne and space-borne lidar measurement - <i>Antonin Zabukovec, Laboratoire Atmosphères, Milieux, Observations Spatiales - Gerard Ancellet, Laboratoire Atmosphères, Milieux, Observations Spatiales</i>

**Tuesday, 22 Octobre 2019**

11:00 - 11:15	Submicron aerosol and "soot" in the troposphere of Siberia - <i>Mikhail Panchenko, V.E. Zuev Institute of Atmospheric Optics, Siberian Branch of the Russian Academy of Sciences, Tomsk, Russia</i>
11:15 - 11:30	Observations of the horizontally oriented crystalline particles with a scanning polarization lidar - <i>Ioganes Penner, V.E. Zuev Institute of Atmospheric Optics - Grigorii Kokhanenko, V.E. Zuev Institute of Atmospheric Optics SB RAS</i>
11:30 - 11:45	Airborne, shipborne and ground-based lidar monitoring of atmospheric aerosol fields in Western and Eastern Siberia (Lake Baikal) - <i>Sergei Nasonov, V.E. Zuev Institute of Atmospheric Optics</i>
12:00 - 14:00	Lunch
14:00 - 16:30	Interdisciplinary studies
14:00 - 14:15	Holocene climate in Southern Siberia: state-of-the- art - <i>Olga Solomina, Intitute of Geography RAS</i>
14:15 - 14:30	Hydrologic and Morphological Response of the Lena River to Ongoing Climate Change (Eastern Siberia) - <i>Emmanuèle Gautier, Université Paris 1 et Laboratoire de Géographie Physique, CNRS UMR 8591</i>
14:30 - 14:45	Homo agere or Homo superstes? (The Human acting or Human surviving?) - On the way to the cohesive language of description and design of research in transdisciplinary context - <i>Lidia Rakhmanova, National Research Tomsk State University</i>
14:45 - 15:00	Permafrost thaw in the coastal Russian Arctic: interconnectedness of cultural and material dimensions - <i>Natalia Doloisio, Cultures, Environnements, Arctique, Représentations, Climat</i>
	<i>Coffee break</i>
15:15 - 15:30	How Arctic Indigenous Peoples in Siberia Observe Changes in Climate and Biodiversity ? - <i>Alexandra LAVRILLIER, European Center for the Arctic (CEARC)</i>
15:30 - 15:45	Traditional diet and environmental contaminants in coastal Chukotka, Russian Arctic - <i>Alexey Dudarev, Northwest Public Health Research Center</i>
15:45 - 16:00	Interactions of science and society on the modern stage: transdisciplinarity as a key principle, essential requirement and the main criterion for the success of the development of modern network mega-science - <i>Tatyana Kolesnikova, Bio-Clim-Land Centre of excellence, Tomsk State University</i>

**Tuesday, 22 Octobre 2019**

16:30 - 18:00	<i>Strengthening collaborations: open round table discussion to identify priorities and needs (continued)</i>
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**23 October 2019**

09:00 - 09:30	<i>Session Ecosystèmes terrestres et biogéochimie (continued)</i>
09:00 - 09:15	Oceanic total and methylated mercury fluxes in the Arctic Ocean via Fram Strait and Barents Sea Opening - <i>Mariia Petrova, Mediterranean Institute of Oceanography</i>
09:15 - 09:30	Mortality of trees in northern Central Siberia (Russia) induced by airborne pollution from Norilsk - <i>Alexander V. Kirilyanov, Sukachev Institute of Forest SB RAS, Department of Geography, University of Cambridge, Siberian Federal University</i>
09:30 - 11:00	<i>Strengthening collaborations : open round table discussion to identify priorities and needs (continued)</i>
11:30 - 12:00	Conclusions of the workshop and next steps - tbd



**Mme Ségolène Royal, French Ambassador for the Poles (tbc)**

Ambassador for the Poles, Former Minister of Environment, Energy and Marine Affairs, COP 21 President. She held a ministerial position in charge of Environment and Energy from April 2014 to May 2017 and then was nominated as Special envoy for ISA and Ambassador for the Poles by President Macron. She was President of the 21st session of the United Nations Framework Convention on Climate Change of the Paris Agreement, COP 21. She was Minister for Family Affairs, Childhood and Disability (March 2000 – May 2002), Minister for School Education (June 1997 – March 2000), and Minister for the Environment (April 1992 – March 1993).

She was President of the Poitou-Charentes Region from April 2004 to May 2014 and was elected member of the French Parliament during four terms between 1988 and 2007.

She was the runner-up for the 2007 presidential election, the first woman in France to be nominated as a presidential candidate by a major party. Minister Royal was also Vice-President and Spokeswoman for the Banque publique d'investissement (French Public Investment Bank), and was an advisor to French President François Mitterrand from 1982-1988. Minister Royal attended the Ecole Nationale d'Administration and the Institut d'Etudes Politiques in Paris, and holds a degree in economics.

**Dr. Jean Jouzel**

Dr. Jouzel is an emeritus research director at LSCE in France, well-known for his research on glaciology and past climates. The climatologist is also vice-chair of the IPCC WG1 since 2002 and received collectively the Nobel Prize for Peace with IPCC in 2007. Formerly he was coordinator of the Russian Megagrant WSibIso.

**Dr. Cyril Moulin**

Dr. Moulin is the Deputy director of the institute for Sciences of the Universe (INSU) of CNRS. His research was dedicated to Earth observation from space, and he has been the director of the Climat and Environmental Science Laboratory (LSCE). He received the Bronze Medal of CNRS in 2005.

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**LIST OF PARTICIPANTS**

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