

# History of **KEYS** (**K**nowledge **E**xchange by **Y**oung **S**cholars) International Workshop Series

## **K**nowledge **E**xchange by **Y**oung **S**cholars (**KEYS**) and Researchers on Green Cities, Global Disaster Control, and Planetary regeneration

Since 2018, the objective of the KEYS workshop has been to facilitate dialogue and collaboration between students and researchers from our universities on scientific and interdisciplinary issues or case studies developed in our respective universities on green city topics. A memorandum of understanding to promote exchanges and develop cooperation between the universities of Kitakyushu and Paris was renewed in 2026 for a period of eight years.

### Preliminary Workshop

No.	Year (Date)	Location	Official Title (as held)	Hosting Institutions
0	<b>2015</b> (Jun. 30 <sup>th</sup> )	Paris, France	<b>1st Knowledge Exchange for Young Plant Biologists KEY-PB</b> , a satellite meeting of PSB2015 (Plant Signaling and Behavior 2025, Paris)	Univ. Paris Diderot (Host) Univ. Kitakyushu (Co-host)

### KEYS Workshop Series

No.	Year (Date)	Location	Official Title (as held)	Hosting Institutions
1	<b>2025</b> (Mar. 28 <sup>th</sup> - 29 <sup>th</sup> )	Kitakyushu, Japan	<b>1st Workshop for Academic Alliance among OECD Green Growth Model Cities - Monitoring, Modeling and Field Trials for Green Growth</b> <i>(To be renamed as KEYS workshop)</i>	Univ. Kitakyushu (Host) Univ. Paris-Diderot (co-host) Stockholm Univ. (Co-host) Chicago Univ. (Co-host) FAIS (Co-host) OECD (Obs.)

			<b>series)</b>	World Bank (Obs.)
2	<b>2018</b> (Nov. 8 <sup>th</sup> -9 <sup>th</sup> )	<b>Paris, France</b>	<b>KEYS 2018 on Green Cities: Paris Diderot-Kitakyushu Knowledge Exchange by Young Scholars on Green Cities</b>	Univ. Paris-Diderot (Host) Univ. Kitakyushu (Co-host) Chicago Univ. (Co-host)
3	<b>2019</b> (Dec. 2 <sup>nd</sup> -6 <sup>th</sup> )	<b>Paris, France</b>	<b>KEYS 2019 on Green Cities Paris – Kitakyushu: Knowledge Exchange by Young Scholars (KEYS) and researchers on Green Cities</b>	Université de Paris (Host) Univ. Kitakyushu (Co-host) Chicago Univ. (Co-host)
4	<b>2021</b> (Feb. 12 <sup>th</sup> )	<b>Full-online (Paris-Kitakyushu)</b>	<b>KEYS 2021 on Green Cities Paris – Kitakyushu (Knowledge Exchange by Young Scholars (KEYS) and researchers on green cities)</b>	Université de Paris (Host) Univ. Kitakyushu (Co-host)
5	<b>2021</b> (Dec. 16 <sup>th</sup> )	<b>Full-online (Paris-Kitakyushu)</b>	<b>KEYS 2021-B on Green Cities Paris - Kitakyushu</b>	Université de Paris (Host) Univ. Kitakyushu (Co-host)
6	<b>2023</b> (Feb. 21 <sup>st</sup> )	<b>Paris, France</b> (Online: Kitakyushu)	<b>KEYS 2023 Paris-Kitakyushu – Knowledge Exchange by Young Scholars (KEYS) and Research on Green cities</b>	Univ. Paris Cité (Host) Univ. Kitakyushu (Co-host)
7	<b>2023</b> (Nov. 19 <sup>th</sup> -22 <sup>nd</sup> )	<b>Kitakyushu, Japan</b> (Online: Paris)	<b>KEYS 2023b Paris-Kitakyushu – Knowledge Exchange by Young Scholars (KEYS) and Research on Green cities</b>	Univ. Kitakyushu (host) Univ. Paris Cité (Co-host)
8	<b>2024</b> (Nov. 20 <sup>th</sup> -21 <sup>st</sup> )	<b>Paris, France</b> (Online: Kitakyushu)	<b>KEYS 2024 Paris-Kitakyushu – Knowledge Exchange by Young Scholars (KEYS) and Research on Green cities</b>	Univ. Paris Cité (Host) Univ. Kitakyushu (Co-host)

## Recent KEYS Workshops

9	<b>2025</b> (Sep. 25 <sup>st</sup> -28 <sup>th</sup> )	<b>Hanoi, Vietnam</b>	<b>KEYS 2025a – Knowledge Exchange by Young Scholars: Green agriculture and disaster controls in Asia</b>	Vietnam National University of Agriculture and Vietnam Firefighting and Rescue Association (Host) Univ. Kitakyushu (Co-host)
10	<b>2025</b> (Nov. 17 <sup>st</sup> -18 <sup>th</sup> )	<b>Paris, France</b>	<b>KEYS 2025b Paris-Kitakyushu – Knowledge Exchange by Young Scholars (KEYS) and Research on Green cities</b>	Univ. Paris Cité (Host) Univ. Kitakyushu (Co-host)
11	<b>2026</b>	<b>Kitakyushu,</b>	<b>KEYS2026a Kitakyushu –</b>	International

	(Feb. 1 <sup>st</sup> -7 <sup>th</sup> )	<b>Japan</b>	<b>Knowledge Exchange by Young Scholars 2026a on Global Disaster Controls</b>	Photosynthesis Industrialization Research Center, Univ. Kitakyushu (Host), Peat Fire Carbon Credit Commercialization Study Group at FAIS (Co-host), Shabondama Soap Co., Ltd. (Co-host) LINV@Kitakyushu (Co-host)
12	<b>2026</b> (Planned, Oct.)	<b>Kuala Lumpur, Malaysia</b>	<b>KEYS2026b Kuala Lumpur – Knowledge Exchange by Young Scholars 2026a on Global Disaster Controls</b>	Univ. of Technology Malaysia (Host) Univ. Kitakyushu (Co-host)
13	<b>2027</b> (Planned, Feb.)	<b>Paris, France</b>	<b>KEYS 2027a Paris – Knowledge Exchange by Young Scholars (KEYS) and Research on Green cities</b>	Univ. Paris Cité (Host) Univ. Kitakyushu (Co-host)

## Programs of Past Workshops (selected)

### KEYS 2019 (Paris)

Design de l'affiche : Promo 2019/2020 Espace et Milieux - Territoires écologiques Photographie : © Sergio Grazia

2<sup>nd</sup> and 4<sup>th</sup> of DECEMBER 2019  
University of Paris

GREEN CITIES A SUSTAINABLE MODEL ?  
INHABITANT AND GREEN CITIES

12/02 : 9:15 AM to 6 PM - Olympe de Gouges - M019  
12/04 : 9:15 AM to 6 PM - Condorcet - Luc Valentin 454a

KEYS - GREEN CITIES Paris - Kitakyushu

Logos: L'IED PIÉRI, CENTRE des POLITIQUES de la TERRE, 北九州市立大学 THE UNIVERSITY OF KITAKYUSHU, 北九州市立大学 THE UNIVERSITY OF KITAKYUSHU, 北九州市立大学 THE UNIVERSITY OF KITAKYUSHU



#### KEYS 2019 on Green Cities Paris - Kitakyushu

Knowledge Exchange by Young Scholars (KEYS) and researchers on Green Cities  
December 2, 4 and 6, 2019

**Background:** The cities of Paris, Kitakyushu, Chicago and Stockholm have been selected by the Organization for Economic Co-operation and Development (OECD) as model cities for green growth around the world (Green Cities). Green city programs have been proposed in the OECD reports for each of these cities as pilot cases to examine the potential for green urban growth. A memory of understanding was established in 2017 with the aim to favorize exchanges and develop collaboration on this topic between universities of Kitakyushu and Paris.

In this context, the main objective of this KEYS 2019 workshop is to promote exchanges between researchers, students of the Master 2 "Espace et Milieux-Territoires Ecologique" (EMTE) of the University of Paris and master students of the University of Kitakyushu around the sustainable development of our respective cities. The meeting will focus on cases studies related to green growth especially around the cities of Paris and Kitakyushu.

#### Program:

**Monday, December 2 (Campus Grands Moulins, Olympe de Gouges, MO19)**

**Morning: Green cities a sustainable model?**

- 9h30 Présentation : Thomas Lamsarhe  
Introduction : Tomonori Kawano, François Bouteau, Etienne Gréillon et Patrick Laurenti  
Chairman Denis Chartier (Univ. de Paris)
- 9h45 Fabien Roussel (Univ. d'Artois) Nature at the city gates? Socio-ecological drivers of green spaces preservation around Paris
- 10h15 Yoshiaki Ushifusa (Kitakyushu univ.) Environmental, energy research, and SDGs in Kitakyushu.
- 10h45 EMTE students (Univ. de Paris) Paris, a green city in the making?  
11h Pause café
- 11h30 Nelo Magalhães (Univ. de Paris) How green is your economy? The need to put material stock dynamics at the heart of the analysis
- 12h Tomonori Kawano (Kitakyushu univ.) Plant biological approaches for sustainable agriculture and energy managements in Anthropocene
- 12h30 Takanori Sakemoto, Hinako Ishida, Ritsuka Yasui, Nakako Kawano, and Tomonori Kawano (Kitakyushu univ.) Zero emission Aqua culture with blue carbon capacity using photosynthetic clam (*Tridacna crocea*).

12h45 Lunch

- 14h-17h30 Héloïse Duprat, Clara Escoda, Clément Gros, Manon Guyon, Olivia Izquierdo (Univ. de Paris) Visit of green infrastructures in Paris



## KEYS 2021 (Full Online)



### KEYS 2021 on Green Cities Paris - Kitakyushu

Knowledge Exchange by Young Scholars (KEYS) and researchers on Green Cities

Background: The cities of Paris, Kitakyushu, Chicago and Stockholm have been selected by the Organization for Economic Co-operation and Development (OECD) as model cities for green growth around the world (Green Cities). Green city programs have been proposed in the OECD reports for each of these cities as pilot cases to examine the potential for green urban growth. A memory of understanding was established in 2017 with the aim to favorize exchanges and develop collaboration on this topic between universities of Kitakyushu and Paris.

In the context of the COVID19 pandemic, the main objective of this KEYS 2021 workshop is to maintain the promotion of exchanges between researchers, students of the Master 2 "Espace et Milieux-Territoires Ecologique" (EMTE) of the University of Paris and master students of the University of Kitakyushu around the sustainable development of our respective cities. The meeting will focus on cases studies related to green growth especially around the cities of Paris and Kitakyushu.

Program: (Japan time)  
Friday, February 12

- 19h00: Introduction :Tomonori Kawano, Yoshiaki Ushifusa, Etienne Grésillon, Denis Chartier, François Bouteau
- 19h15: Yusuke Gushi, Kohel Noda, Ayano Nakamura, Tomonori Kawano. Molecular genetic approach for testing the involvement of stomata in liquid water exchange between the precipitated water and the leaves in *Arabidopsis thaliana*. Graduate School of environment, University of Kitakyushu
- 19h45: Amine Addoun, Thomas Cordier, Inès Creti, Bastien Elie-Ragobert, Jeanne Foucault, Ophélie Halaire, Roman Lagalis, Elodie Massiot, Charlotte Veau, Gabrielle Vialle, Lisa Vincent, Tatiana Wasella. Raising awareness concerning agriculture biodiversity: identifying the main levers and obstacles. Master 2 Espace et Milieux-Territoires Ecologiques, Université de Paris
- 20H15 : Genki Amma, Nobutaka Itoyama, Tomonori Kawano. Altered growth kinetics in *Escherichia coli* after deep-UV LED irradiation. Graduate School of environment, University of Kitakyushu
- 20h25: Cao Yue. The social acceptance analysis of the offshore wind power in Japan. Graduate School of Social System Studies, University of Kitakyushu.
- 20h55 : Closing remarks.

Link to connect to the KEYS 2021  
<https://u-paris.zoom.us/j/88350634179?pwd=dlVpZm9DUlpsM0grbTY3RWVHNgvQT09>  
ID de réunion : 883 5063 4179. Code secret : 359859

## KEYS 2021b (Full Online)



### KEYS 2021b on Green Cities Paris - Kitakyushu

Knowledge Exchange by Young Scholars (KEYS) and researchers on Green Cities

Background: The cities of Paris, Kitakyushu, Chicago and Stockholm have been selected by the Organization for Economic Co-operation and Development (OECD) as model cities for green growth around the world (Green Cities). Green city programs have been proposed in the OECD reports for each of these cities as pilot cases to examine the potential for green urban growth. A memory of understanding was established in 2017 with the aim to favorize exchanges and develop collaboration on this topic between universities of Kitakyushu and Paris.

In the context of the COVID19 pandemic, the main objective of this KEYS 2021b workshop is to maintain the promotion of exchanges between researchers, students of the Master 2 "Espace et Milieux-Territoires Ecologique" (EMTE) of the University of Paris and students of the University of Kitakyushu around the sustainable development of our respective cities. The meeting will focus on cases studies related to green growth especially around the cities of Paris and Kitakyushu.

Thursday, December 16 (Japan time, =-8h in France)-

- 19h00: Introduction: Tomonori Kawano, Yoshiaki Ushifusa, Manabe Kazuhiro, Etienne Grésillon, Denis Chartier, François Bouteau, Patrick Laurenti
- 19h15: Yuzuru NASU, Graduate School of environment, University of Kitakyushu  
..... Considerations of diffusion of lithium-ion batteries and fuel cell in Industrial vehicles for Japanese automobile factories
- 19h30: Fanny BIGOT, Eloi BOYÉ, Nathan ERYEH-FORT, Alexandre MARSAUD, Jehanne PREVOST. Master 2 EMTE, Université de Paris  
Civic participation in Fontainebleau's environmental project.
- 19h45: Mert METIN, Tomonori KAWANO. Graduate School of environment, University of Kitakyushu  
Chilling temperature-enhanced-cadmium toxicity in tobacco cells.
- 20h00: Lucile DOUDOUX, Laëtitia-GUILLARD, Emma-MOUHEB, Jeanne-MULLER, Elise-TOLLET. Master 2 EMTE, Université de Paris  
Oasis project: make school and university grounds greener.
- 20h15: Genki AMMA, Tomonori KAWANO. Graduate School of environment, University of Kitakyushu  
Search for flower-specific phytolith structures in Hachiku bamboo which flowers once in 120 years.
- 20h30: Closing remarks.

Link to connect to the KEYS 2021b  
<https://u-paris.zoom.us/j/84426921124?pwd=I3BVM5RSRUxMUlZgSVpZFd6Ykx6QT09>  
ID de réunion : 844 2692 1124. Code secret : 551820



# KEYS 2024 Paris-Kitakyushu (Paris)



## KEYS 2024: Paris - Kitakyushu

Knowledge Exchange by Young Scholars (KEYS) and researchers on Green Cities

Since 2018, the objective of the KEYS workshop has been to facilitate dialogue and collaboration between students and researchers from our universities on scientific and interdisciplinary issues or case studies developed in our respective universities on green city topics. This year, the memorandum of understanding to promote exchanges and develop cooperation between the universities of Kitakyushu and Paris was renewed for a period of five years.

Thursday, November 21 (Japan time, = -8h in France)

Salle M19 bâtiment Olympe de Gouges, room YY in Kitakyushu

This seminar will be mixed in face-to-face and distance learning, in Paris and Kitakyushu

17h00-9h00	Tomonori Kawano, Yoshiaki Ushifusa, Manabe Kazuhiro, Etienne Grésillon, François Bouteau, Patrick Laurenti	Introduction to KEYS	University of Kitakyushu Université Paris-Cité
17h05-9h05	Yamada A., Kanvama T., Possie ES, Kusin K, Jaya A., Kawahara T., Uazu K., Kawano T.	Application of an environmentally friendly firefighting agent to enhance the post-fire peatland reforestation in Palangka Raya, Indonesia	University of Kitakyushu
17h25-9h25	Pauline Tarbouriech, Maya Grandpierre, Elisa Vodinh, Gloire Louyako, Louise Tonnelé-Verjus, Albane petitristan, Julie Dereyomez	Drôme territorial health diagnosis	Université Paris-Cité EMTE-master
17h45-9h45	Hinata Kariyazono, Mai Bando, Suzuka Otsuka	Community Vitalization and Environmental Conservation in Kokura Town	University of Kitakyushu
17h55-10h05	Takeru Miyai	Community Contribution and Achievement through our Seminar	University of Kitakyushu
17h15-10h15		COFFEE-BREAK	
10h45-10h45	Rodolphe Landemaine	Entrepreneurship for life	Le-domaine-du-Costil
19h05-11h05	Chida M, Nakao K, Kawano T	Implementation of scientific ecotourism plan in Kitakyushu	University of Kitakyushu
19h25-11h25	Hayato Ishimatsu, Wakana Murazoe, Yaya Shimokawa	Local Sustainable Issues of Kitakyushu and Activities to Solve Them	University of Kitakyushu
19h35-11h35	Paul Remonte, Anahi Francisco-Neel, Louanne Paris, Laëtitia Malavaux, Emma Jeuland, Thomas Petit, Taos Taalba	How does multidisciplinary help popularising science (with the example of the workshop "Invisible element in the gardens")	Université Paris-Cité EMTE-master
19h55-11h55	Kazuhiro Manabe, Yoshiaki Ushifusa	Survey on interest and attempts in SDGs among local SME's	University of Kitakyushu
20h15-12h15		Closing remarks	
12h30-14h		LUNCH in Paris room 308 A green stroll in eastern Paris	Université Paris-Cité

Link to connect to the KEYS 2024

<https://u-paris.zoom.us/j/85784813998?pwd=yyS2OCVTREOXIPabLwuNcy3uuPabO.1>