



Welcome to the Annual Meeting of the Meteoritical Society 2024!

July 28-August 2, Brussels, Belgium

Main location: Academy Palace (Rue Ducale 1, 1000 Brussels)

Dear all,

We have prepared every detail to welcome you to Brussels and make
your conference experience memorable!

Here is relevant information regarding transport, locations,
presentations, poster sessions, field trips, and more.

Table of contents

Letter from the local organizing committee	3
Background of the Meteoritical Society.....	4
Map with all locations of the Metsoc 2024	5
Schedule of MetSoc 2024: July 28 – August 2, Brussels, Belgium	6
Committees.....	7
Sponsors	9
Registration.....	10
Arrival by Plane.....	13
Arrival by Train	14
Pre-conference Workshop “Curation of Extraterrestrial Samples”	17
Early Career Lunch	20
Welcome Reception (Icebreaker)	22
Barringer Public Lecture	23
Banquet.....	25
Early career evening at "La source"	26
Awards Ceremony and Business Meeting	28
Oral Sessions	28
Poster Sessions.....	30
Technical Program.....	32
Field Trips	35
Food and Drinks During the conference	43
Other information.....	44
Special Acknowledgment	44

Letter from the local organizing committee

Dear meteorite enthusiasts,

On behalf of the Local Organizing Committee, we would like to warmly welcome you in Brussels, Belgium for the 86th annual meeting of The Meteoritical Society, hosted by the Université libre de Bruxelles, the Vrije Universiteit Brussel, and the Institute of Natural Sciences. Here, in the heart of Europe we hope to offer you – all 450 participants from universities, research institutes and companies located in 33 countries around the globe – an out-of-this-world experience and stimulating environment to catch up on the latest developments and most recent finds in our research field. We aim for a conference with high-quality presentations, thought-provoking discussions, and time for informal talks with your colleagues and friends over a coffee or (Belgian) beer, perhaps leading to new ideas and collaborations?

MetSoc 2024 begins with catching up with old friends and making new ones at our opening reception on Sunday evening in the City Hall on the Grand-Place. On Monday morning, we get the science flowing at the Palace of the Academies, where all oral and poster presentations will be hosted during the scientific sessions planned on Monday, Tuesday, Thursday, and Friday. Located next to the Royal Palace, the Palace of the Academies was built between 1823 and 1825 for the Prince of Orange and became the residence of the Royal Academy of Sciences and Art and the Royal Academy of Medicine in 1876. On Monday evening, the Barringer lecture will take place at the Plaza Hotel, famous for its charming Belle Epoque decorated theater. Véronique Dehant will take us to Mars to present some of the latest results from the Insight Lander.

Following the award ceremony on Wednesday morning, we plan to stretch our legs during one of the fieldtrips in the afternoon. These include a visit to the Atomium, a landmark modernist building constructed for the 1958 World Fair representing a unit cell of an iron crystal magnified 165 billion times. There is also an option to explore the European Parliament, or to walk on the battlefield of Waterloo where the fate of Europe was tragically determined. A historic walk of Brussels is also possible, or you could also opt for a quick impression of the city of Ghent, labelled Belgium's best kept secret by Lonely Planet founder Tony Wheeler in 2023. The banquet on Wednesday evening is organized as a walking dinner at the Institute of Natural Sciences, where you will enjoy the delicious Belgian cuisine in the largest dinosaur gallery of Europe, known for the spectacular fossil *Iguanodon* skeletons. As we cannot be expected to remain quiet all the time, we'll work off our dinner by dancing to the tunes of a Belgian cover band "les Enroules," so remember to bring your dancing shoes!

All of this has in part been made possible thanks to the financial support of our sponsors, several of which have booths at the conference venue. Make sure to visit them to hear about the latest technological innovations.

We hope that at the end of the conference you will travel home with fond memories of the 2024 edition of the annual Meteoritical Society meeting and the city of Brussels!

Vinciane Debaille and Steven Goderis, on behalf of the entire local organizing committee
Brussels, July 28th 2024

Background of the Meteoritical Society

The Meteoritical Society is an international organization dedicated to the promotion of research and education in planetary sciences with emphasis on the studies of meteorites and other extraterrestrial materials that further our understanding of the origin of the solar system. The Society was established in 1933 and the first annual meeting was held in Chicago that same year. The Meteoritical Society includes members from over 50 countries engaged in meteoritics, planetary science and space missions.

The interests of the Society include meteorites, cosmic dust, asteroids and comets, natural satellites, planets, impacts, and the origin of the Solar System. The Meteoritical Society is governed by an elected Council of Officers and Councilors chosen from its members. The Society's activities are administered through Committees that report to the Council. The Society is responsible for recording all known meteorites in its Meteoritical Bulletin. The Society also publishes one of the world's leading planetary science journals, Meteoritics & Planetary Science, and co-sponsors the renowned journal Geochimica et Cosmochimica Acta. More info on <https://meteoritical.org/society>

The Society hosts its annual meeting every summer, alternating between North America and Europe. Over the years, annual meetings have also been held in South Africa, Australia, Brazil, and Japan. Details on past meetings, including reports and number of participants are summarized in the link below organized by year. <https://meteoritical.org/society/annual-meetings/past-annual-meetings>

Upcoming Meetings

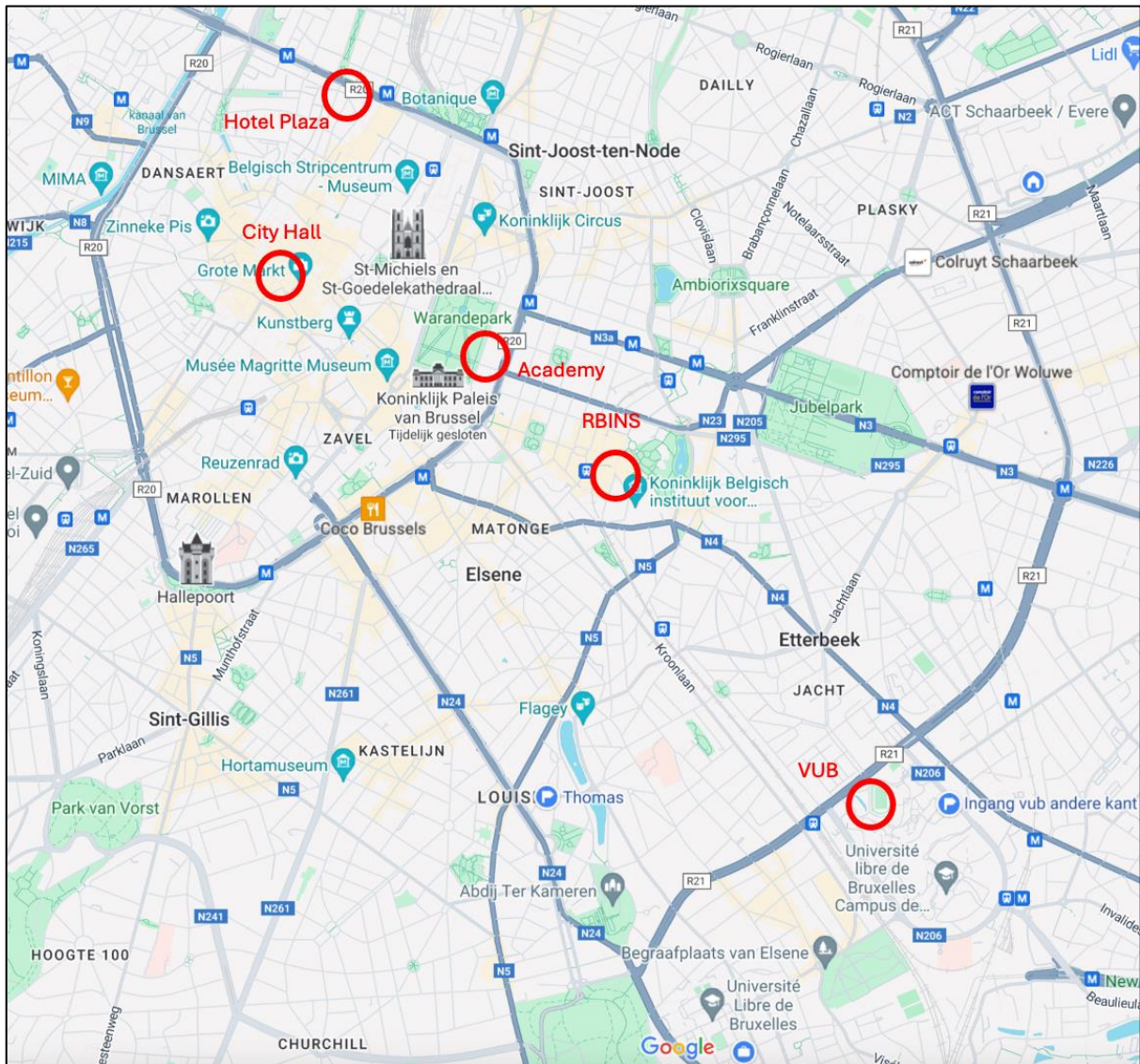
2025 (87th Annual Meeting) July 14-18, Perth, Australia

2026 (88th Annual Meeting) August 9-14, Frankfurt, Germany

2027 (89th Annual Meeting) July/August TBD, Flagstaff, USA (hosted by ASU)

2028 (90th Annual Meeting) July 30 - August 4 (tentative dates), Antofagasta, Chile

Map with all locations of the Metsoc 2024



Schedule of MetSoc 2024: July 28 – August 2, Brussels, Belgium

	Saturday July 27	Sunday July 28				Monday July 29			Tuesday July 30			Wednesday July 31		Thursday August 1			Friday August 2			
	RBINS	RBINS	VUB	Academy Palace	City hall	Albert II	Baudouin	Throne	Albert II	Baudouin	Throne	Throne	RBINS	Albert II	Baudouin	Throne	Albert II	Baudouin	Throne	
8:30 AM																				8:30 AM
9:00 AM		workshop curation				Returned Samples from Asteroids 1	Mars and Mars Sample Return	Presolar Grains, Micrometeorites , Interplanetary Dust Particles 1	Returned Samples from Asteroids 3	Small Body Evolution and Planetary Differentiation 1	Tribute to Dieter Stoeffler 1: Shock deformation in minerals and rocks	Award ceremony		Chondrites 2 CC	Meteorite delivery 1	Tribute to Dieter Stoeffler 4: Impact cratering in nature, experiments, and models	Aqueous alteration of chondrite and organic matter 2	Moon 1	Curation of Extraterrestrial Material 1: + outreach + education	9:00 AM
10:00 AM	workshop curation													Chondrites NC			Chondritic components 1			10:00 AM
11:00 AM																				11:00 AM
12:00 PM						Lunch break			Lunch break			Lunch break		Lunch break			Lunch break			12:00 PM
1:00 PM	Lunch break		Early career scientist lunch	Board meeting of the Meteoritical Society																1:00 PM
2:00 PM					Returned Samples from Asteroids 2	A tribute to Hiroshi Takeda: Achondrites	Presolar Grains, Micrometeorites , Interplanetary Dust Particles 2	Returned Samples from Asteroids 5	Small Body Evolution and Planetary Differentiation 2	Tribute to Dieter Stoeffler 2: Shock deformation in minerals and rocks				Aqueous alteration of chondrite and organic matter 1	Meteorite delivery 2	Tribute to Dieter Stoeffler 5: Ejecta: Modelling and Observations	Chondritic components 2	Moon 2	Curation of Extraterrestrial Material 1: + outreach + education	2:00 PM
3:00 PM	workshop curation					Returned Samples from Asteroids 2		Disk evolution, chronology and isotope anomalies 1	Chondrites 1 CC	Disk evolution, chronology and isotope anomalies 2	Tribute to Dieter Stoeffler 3: Impact cratering in nature, experiments , and models	Field trip								3:00 PM
4:00 PM		Registration Patio																		
5:00 PM																				5:00 PM
6:00 PM					Welcome reception	Barringer lecture and reception Plaza Hotel			Poster session 1: Marble Room + Drinks Patio					Poster session 2: : Marble Room + Drinks Patio						6:00 PM
7:00 PM	Poster session 1: Marble Room + Drinks Patio								Poster session 2: : Marble Room + Drinks Patio					7:00 PM						
8:00 PM												Banquet								8:00 PM
9:00 PM											Early career event at la source						9:00 PM			
10:00 PM																	10:00 PM			
11:00 PM																				11:00 PM

Committees

Scientific Committee

Chair Hasnaa Chennaoui Aoudjehane, Hassan II University of Casablanca, Morocco

Travel Grants Chair Pierre Haenecour, The University of Arizona, USA

McKay Award Chair My Riebe, ETH Zurich, Switzerland

Members Maizey Benner, The University of Arizona, USA
Bernard Charlier, Université de Liège, Belgium
Max Collinet, Université de Namur, Belgium
Vinciane Debaille, Université Libre de Bruxelles, Belgium
Luigi Folco, Università di Pisa, Italy
Jérôme Gattacecca, CEREGE, France
Steven Goderis, Vrije Universiteit Brussel, Belgium
Richard Greenwood, The Open University, UK
Pierre Haenecour, The University of Arizona, USA
Philipp Heck, the Field Museum, USA
Ming-Chang Liu, Lawrence Livermore National Laboratory, USA
Takachi Mikouchi, The University of Tokyo, Japan
Olivier Namur, Katholieke Universiteit Leuven, Belgium
Lidia Pittarello, Naturhistorisches Museum Wien, Austria
Uwe Reimold, University of Brasília, Brasília
Maria Schönbächler, ETH Zurich, Switzerland
Anuj Singh, University of Allahabad, India
Haoxuan Sun, Institut de Physique du Globe de Paris, France
Akira Yamaguchi, National Institute of Polar Research, Japan

Local Organising Committee

Chairs Vinciane Debaille, Université Libre de Bruxelles, Belgium
Steven Goderis, Vrije Universiteit Brussel, Belgium

Members Hasnaa Aoudjehanne, Hassan II University of Casablanca, Morocco
Dina Cabrita, Université Libre de Bruxelles, Belgium
Bernard Charlier, Université de Liège, Belgium
Philippe Claeys, Vrije Universiteit Brussel, Belgium
Max Collinet, Université de Namur, Belgium

Sophie Decrée, Institute of Natural Sciences, Belgium
 Jean-Guillaume Feignon, Vrije Universiteit Brussel, Belgium
 Pim Kaskes, Université Libre de Bruxelles, Belgium
 Lisa Kramer Ruggiu, Vrije Universiteit Brussel, Belgium
 Katarina Miljkovic, Curtin University, Australia
 Olivier Namur, Katholieke Universiteit Leuven, Belgium
 Gabriel Pinto, Institute of Natural Sciences, Belgium
 Trygve Prestgard, Vrije Universiteit Brussel, Belgium
 Maxwell Thiemens, Vrije Universiteit Brussel, Belgium
 Maria Valdes, the Field Museum, USA
 Flore Van Maldeghem, University of Copenhagen, Denmark

Ex-officio Nancy Chabot, Johns Hopkins University, USA (President)
 Tasha Dunn, Colby College, USA (Treasurer)
 Jutta Zipfel, Senckenberg Research Institute and Natural History Museum,
 Germany (Secretary)

Student helpers

Fiona Alquinne, Université Libre de Bruxelles, Belgium
 Nelson Bopdataala, Université de Liège, Belgium
 Tristan Bongartz, University of Cologne, Germany
 Tom Boonants, Vrije Universiteit Brussel, Belgium
 Noe Carette, Université Libre de Bruxelles, Belgium
 Sibrecht Cooreman, Vrije Universiteit Brussel
 Mae Desclez, Université de Liège, Belgium
 Jannes Depoortere, Ghent University, Belgium
 Elodie Durant, Université Libre de Bruxelles, Belgium
 Florian Dumas, Université Libre de Bruxelles, Belgium
 Juliette Faucher, Vrije Universiteit Brussel, Belgium
 Kinjal Ganguly, Katholieke Universiteit Leuven, Belgium
 Carina Gerritzen, Vrije Universiteit Brussel, Belgium
 Adrien Haveaux, Université Libre de Bruxelles, Belgium
 Phoenix Heylighen, Vrije Universiteit Brussel, Belgium
 Huilin Jin, Vrije Universiteit Brussel, Belgium
 Héloïse Jordens, Université de Namur, Belgium
 Timo Lange, University of Cologne, Germany
 Amandine Marée, Université de Namur, Belgium
 Sabine Mawet, Ghent University, Belgium
 Sixtine Paitoni, Université Libre de Bruxelles, Belgium
 Kaatje Peirs, Ghent University, Belgium
 Sebastian Rodriguez, Katholieke Universiteit Leuven, Belgium
 Michael Roy, Institute of Natural Sciences, Belgium
 Soetkin Willemyns, Katholieke Universiteit Leuven, Belgium

Sponsors

Do not hesitate to visit their booths!

Sun Sponsor:



Neptune Sponsors:



Local Sponsors:



Research Foundation
Flanders
Opening new horizons

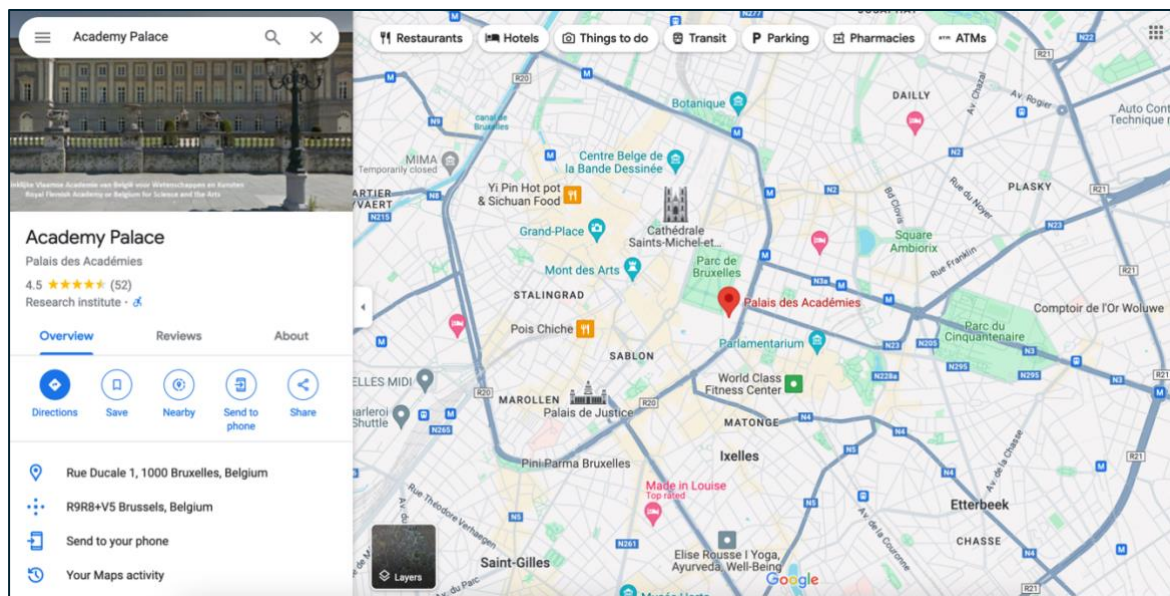
Registration

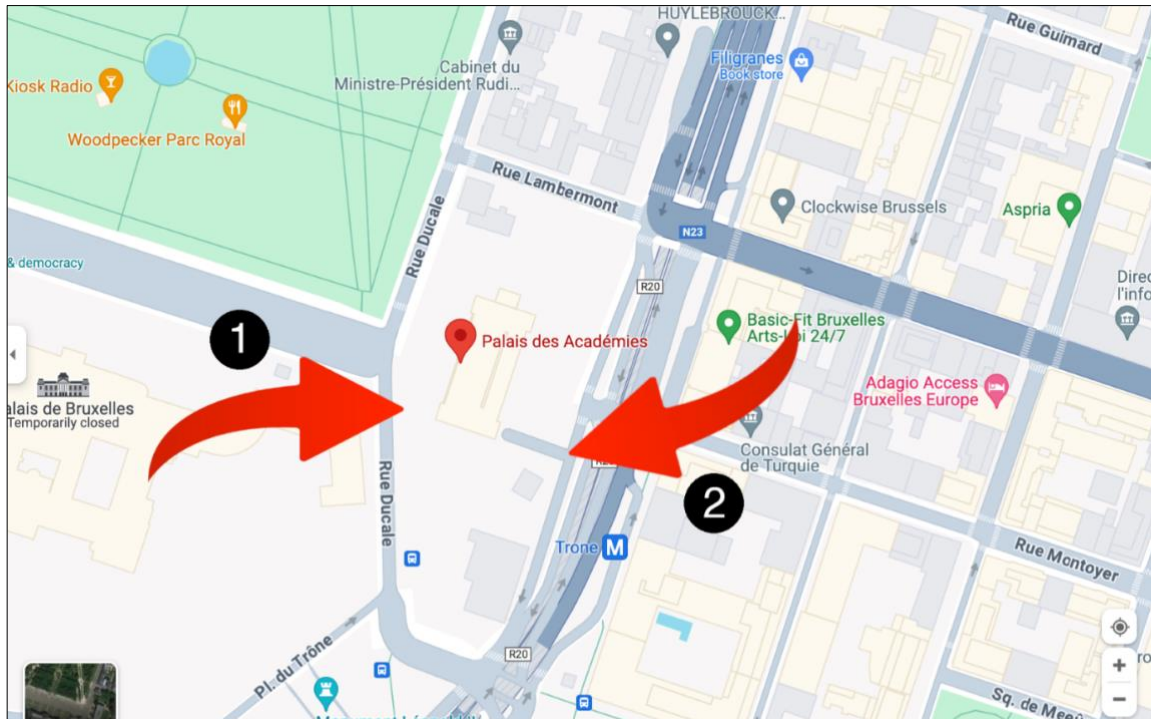
July 28, 2024

Time: Sunday from 03:00 pm until 05:00 pm CEST (GMT+2)
(continued at the city hall of Brussels afterwards)

Location: Academy Palace (Rue Ducale 1, 1000 Brussels)

In-person registration is possible at the **Academy Palace**, one of several historical buildings that make up Brussel's Royal Quarter. The entrance to the building is within walking distance of **Troon/Trône Metro station** as well several other bus, metro, and tramway stations. Please also consult the [Metsoc2024 website](#) for details. The building has two entrance points (see next page).

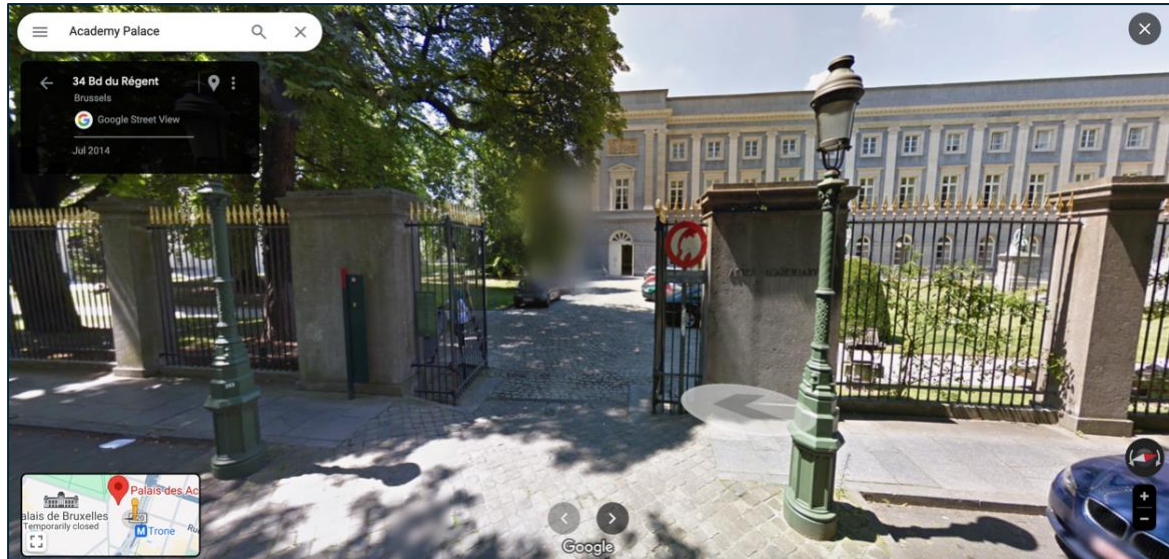




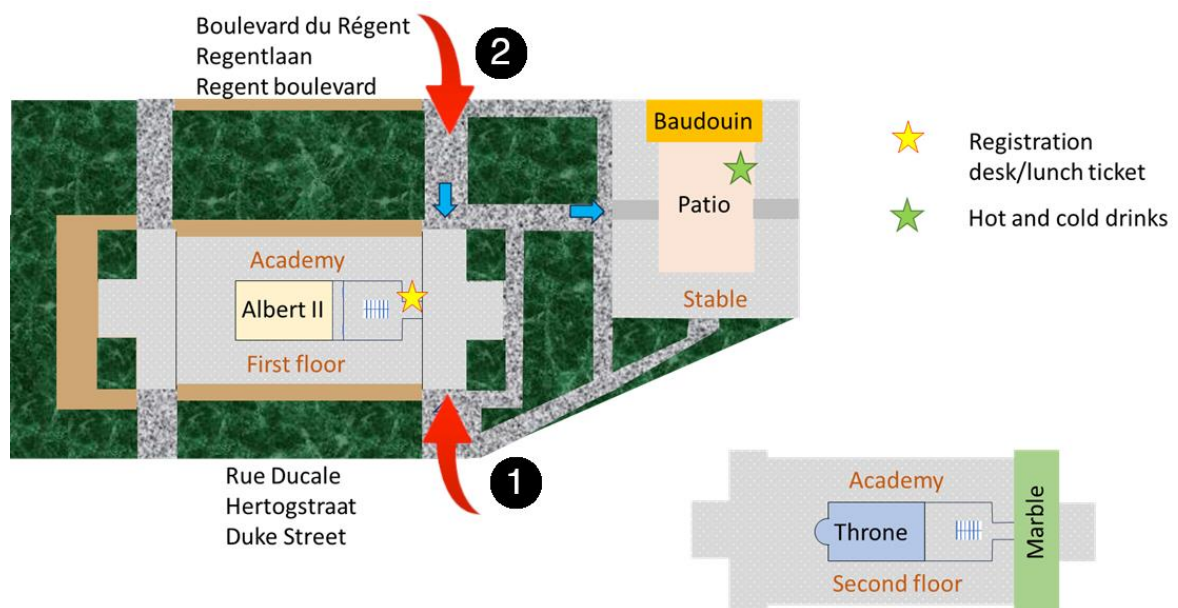
Entry 1 (via Rue Ducale):



Entry 2 (via Bd du Régent):



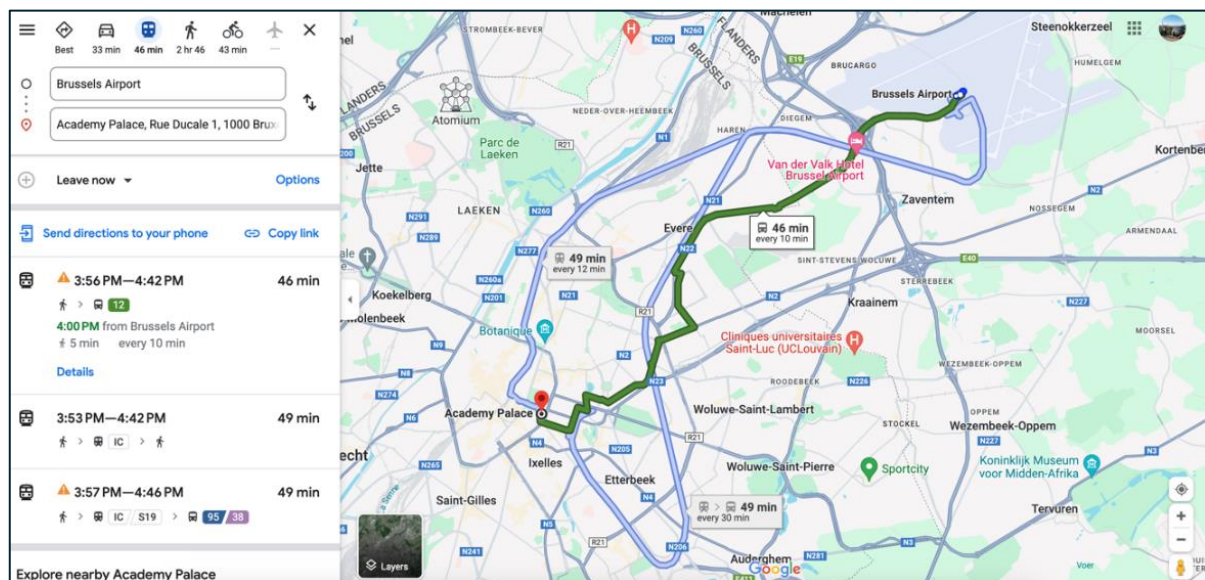
Interior layout of the Academy Palace:



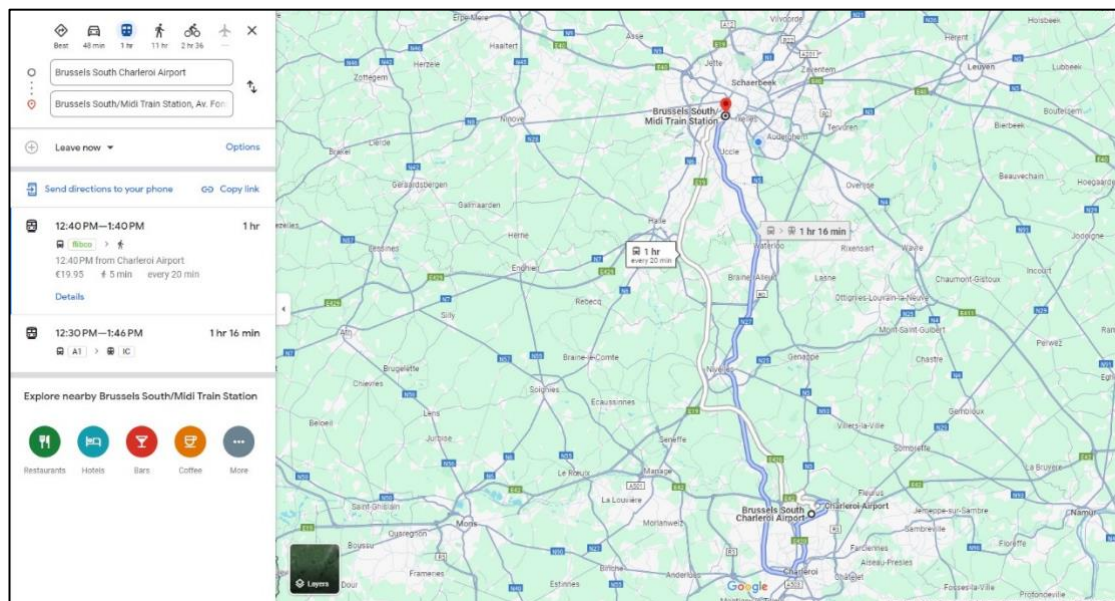
Arrival by Plane

Brussels Airport and the **Brussels Charleroi Airport** are the international entree points to Brussels by plane. Metsoc 2024 (**Academy Palace**) is accessible from both locations thanks to the well-developed network of public transport in Brussels:

✈ **Arrival from Brussels Airport (IATA code BRU):** We recommend taking **Bus 12** to station **Troon/Trône**, which is right in front of the of the **Academy Palace**.




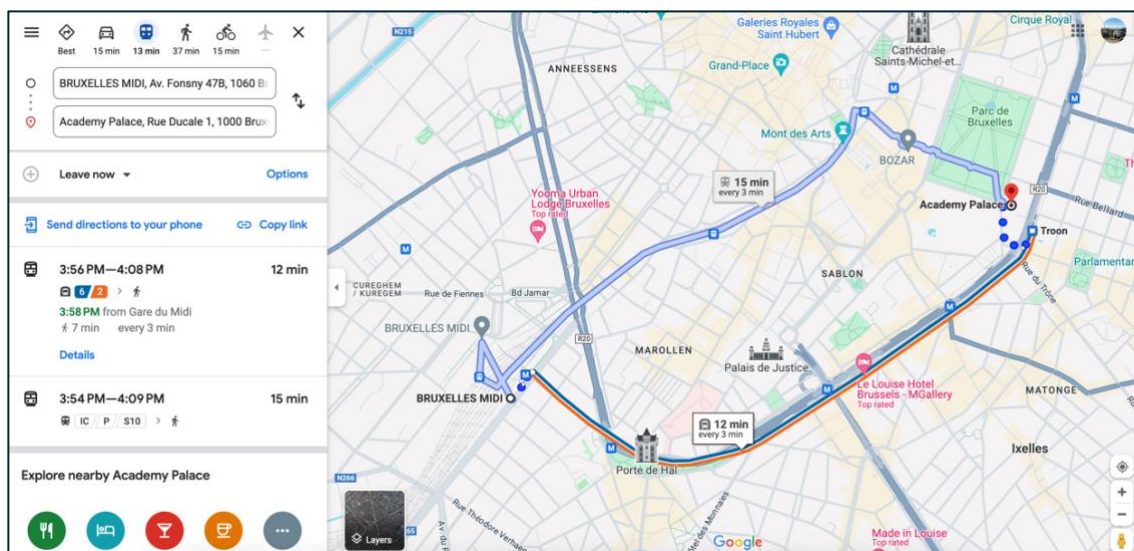
✈ **Arrival from Brussels South Charleroi Airport (IATA code CRL):** This airport is located south and outside Brussels (~ 1h drive). Taxis and direct bus shuttles (**Flibco**) depart regularly to the Brussels South/Midi train station. Then take the **Metro line 2** or **6** to the Academy Palace. **Tip:** You can book the bus shuttle in advance using the Flibco app and present the QR code to enter the bus.



Arrival by Train

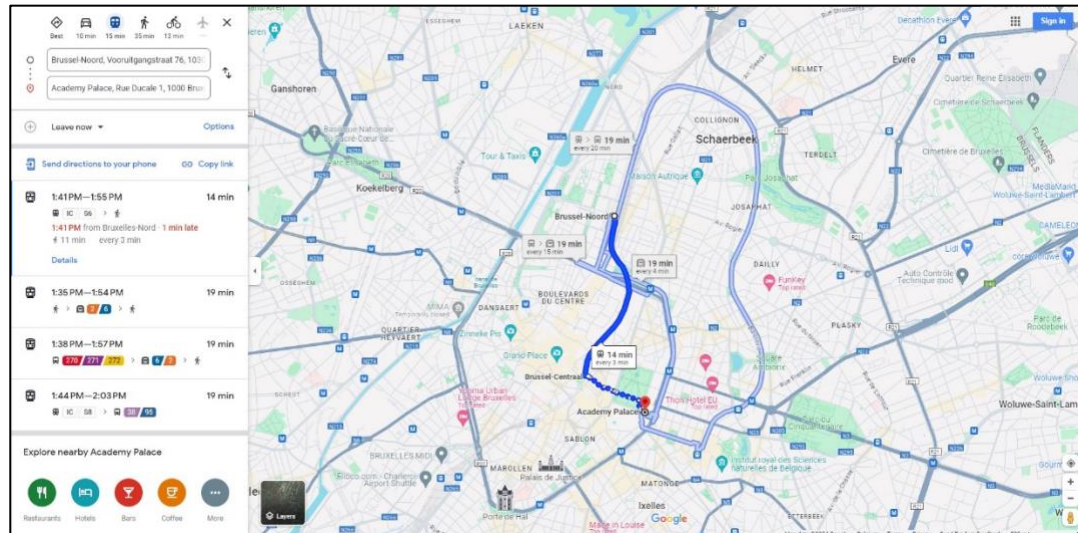
Brussels is nationally and internationally connected by a large network of train lines, the main ones listed below. Most international and national train arrivals take place at Brussels-South (also known as Brussels Midi/Zuid (IATA code ZYR)) station. However, international bus arrivals may also stop at various other locations.

 **Arrival from Brussels-South (or Brussels Midi) railway station:** we recommend taking metro **line 2** or **6** (both in the direction to Elisabeth) and getting off at the metro station **Troon/Trône**.

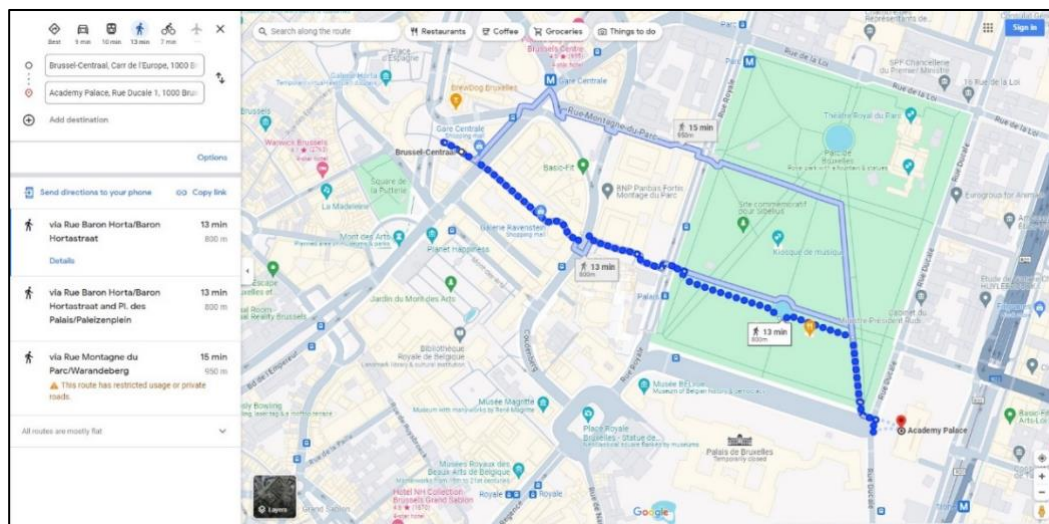




Arrival from Brussels-North railway station: The best option is to take a train to Brussels-Central railway station or the metro **line 2** or **6** (Rogier to **Troon/Trône**).



Arrival from Brussels-Central railway station: You are very close. Walk for 13 min or take **bus** line **38** or **71**.



Important: For more details on travel information, please consult the [Metsoc2024 website](#) and links within.

The Brussels Public Transport Network:

In Brussels the local public transport operator is called [STIB-MIVB](#). They cover a large array of bus, tramway and metro lines throughout the Brussels region (maps available [here](#)), and have an excellent [STIB-MIVB app](#) to help you find your way. **Tip:** On tramways and buses, it is possible to pay by badging your credit card.





Two day tickets for public transport will be given to all conference participants in the tote bags. Later, daily tickets will be made available at the conference information desk, in case you need more.

Alternatively, you can also download the [STIB-MIVB app](#) to purchase tickets directly via your phone.

Pre-conference Workshop “Curation of Extraterrestrial Samples”

July 27 and 28, 2024

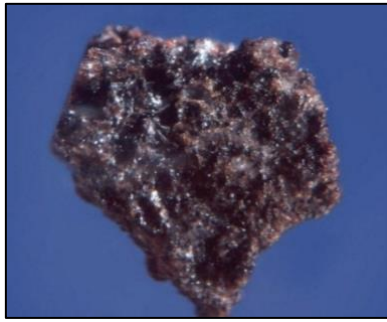
 **Time:** Saturday at 10:00 am and Sunday at 09:00 am CEST (GMT+2)

 **Location:** Institute of Natural Sciences (29 Rue Vautier 1000 Brussels)

This pre-conference workshop is dedicated to the curation of extraterrestrial samples. It is meant as a way of gathering curators, scientists and interested parties to share the latest insights on current and future curation facilities, protocols and technologies, and to offer a space to exchange and encourage cooperation and collaboration. The following topics are covered:

- ➔ Current and future curation facilities for sample analogues, meteorites and returned samples.
- ➔ The grey boundary between Preliminary Examination and Research: the right amount of curatorial analysis.
- ➔ Containers for transport and analysis.
- ➔ Contamination control and expertise.

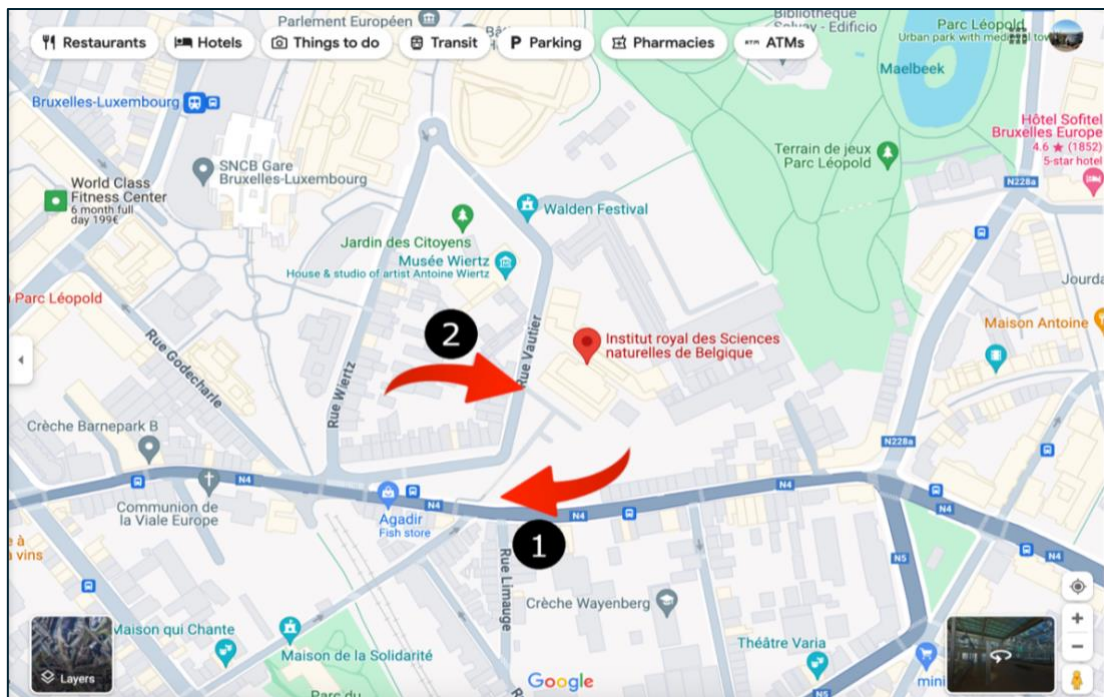
The workshop takes place at the **Institute of Natural Sciences**, which hosts over 1600 meteorites (plus lunar rock fragments from the Apollo missions), making it the largest extraterrestrial sample collection in Belgium. It also has high-level infrastructure for curation and preparation of such materials. The building has two entrance points (see next page).



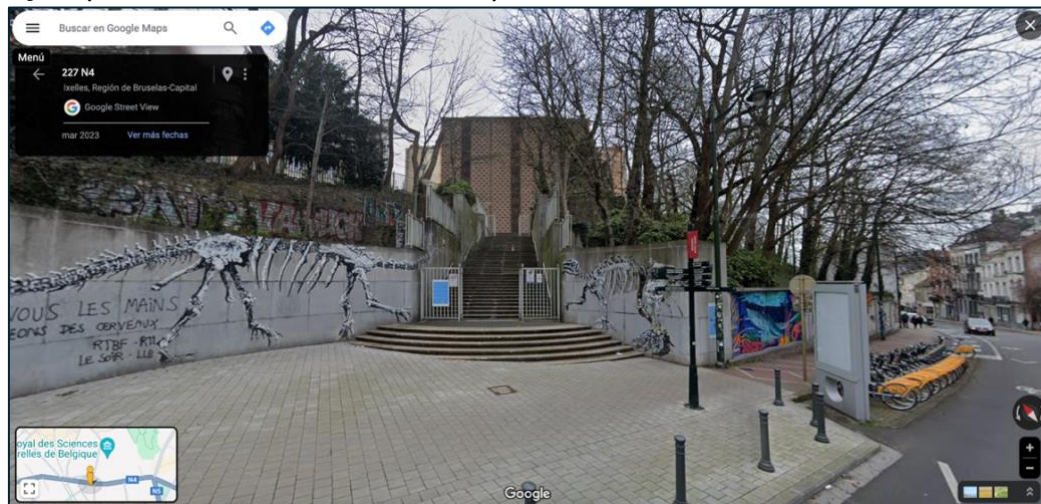
Small 18 mm-sized fragment of a rock brought back from the Apollo 17 mission. Hosted at the Institute of Natural Sciences.

The workshop is subdivided into three sessions:

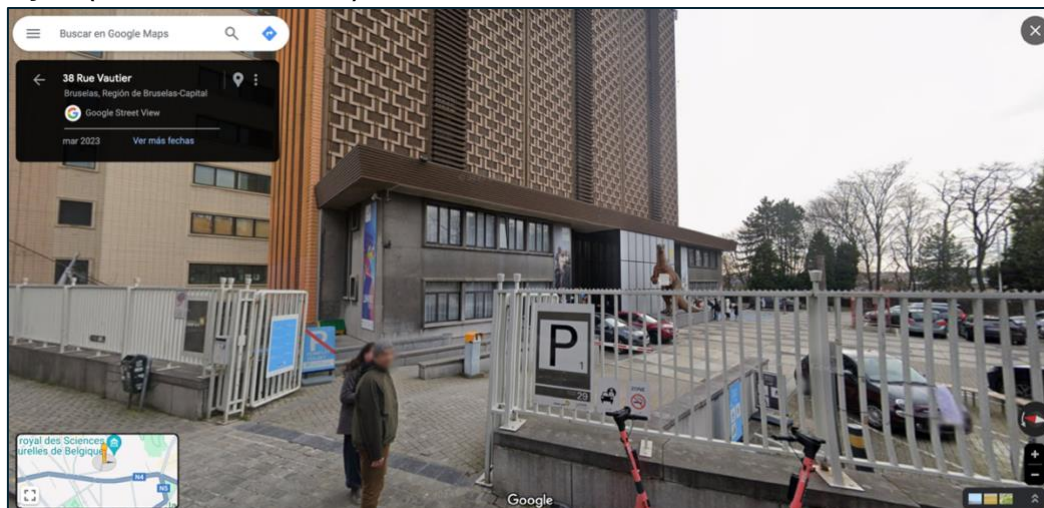
- ➔ **Workshop 1:** 10:00 am, July 27th
- ➔ **Workshop 2:** 02:00 pm, July 27th
- ➔ **Workshop 3:** 09:00 am, July 28th



Entry 1 (via Chaussée de Wavre):





Entry 2 (via Rue Vautier):



Early Career Lunch

July 28, 2024

 **Time:** Sunday at 12:00 pm CEST (GMT+2)

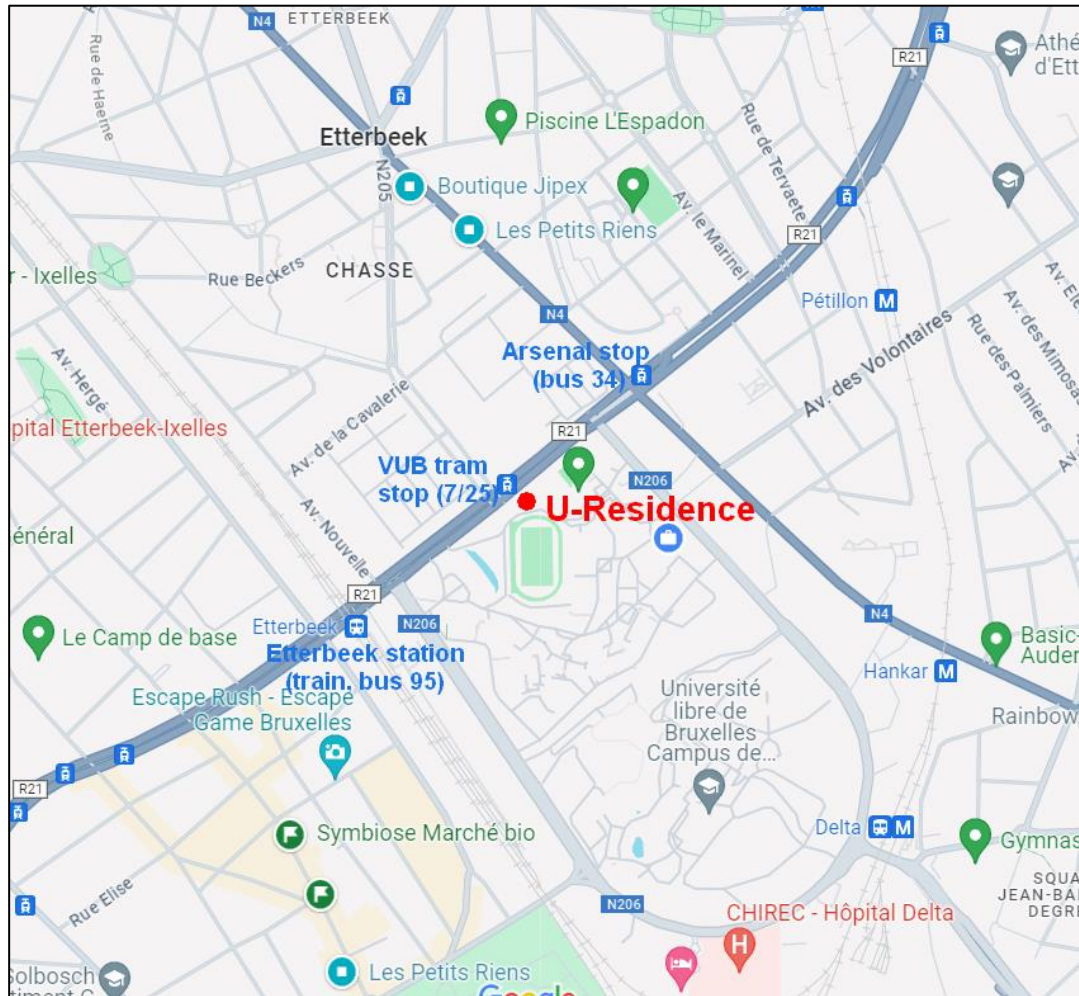
 **Location:** Vrije Universiteit Brussel (Pleinlaan 2, 1050 Elsene): Blvd Général Jacques 271, 1050 Ixelles, Belgium

The Early Career Lunch is an opportunity to meet up with fellow PhD, post-docs and collaborators to enjoy a shared meal. The lunch will take place at the Vrije Universiteit Brussel (VUB), located in the southeast part of Brussels. The lunch will take place in **the U Residence** (main entrance) on the VUB campus (see map below).

From Brussels Airport, there are some direct trains to Etterbeek station, which is just next to the campus (Boulevard Jacques 263, 1050 Ixelles): either the S19 to Nivelles or the IC to Dinant.

From the Palace of the Academies, where the conference will be held, you can either take bus **95** from **Trône/Troon** to **Etterbeek station** or bus **34** from **Trône/Troon** to **Arsenal** (just next to the campus). Optionally, you can also take **Tram 25 or 7** until the **VUB station** that is right in front of U-residence. From the Institute of Natural Sciences, where the curation workshop will be held, you can either take bus **95** from **Luxembourg** to **Etterbeek station** or bus **34** from **Museum** to **Arsenal**.

Location of the U-residence on the map:



Welcome Reception (Icebreaker)

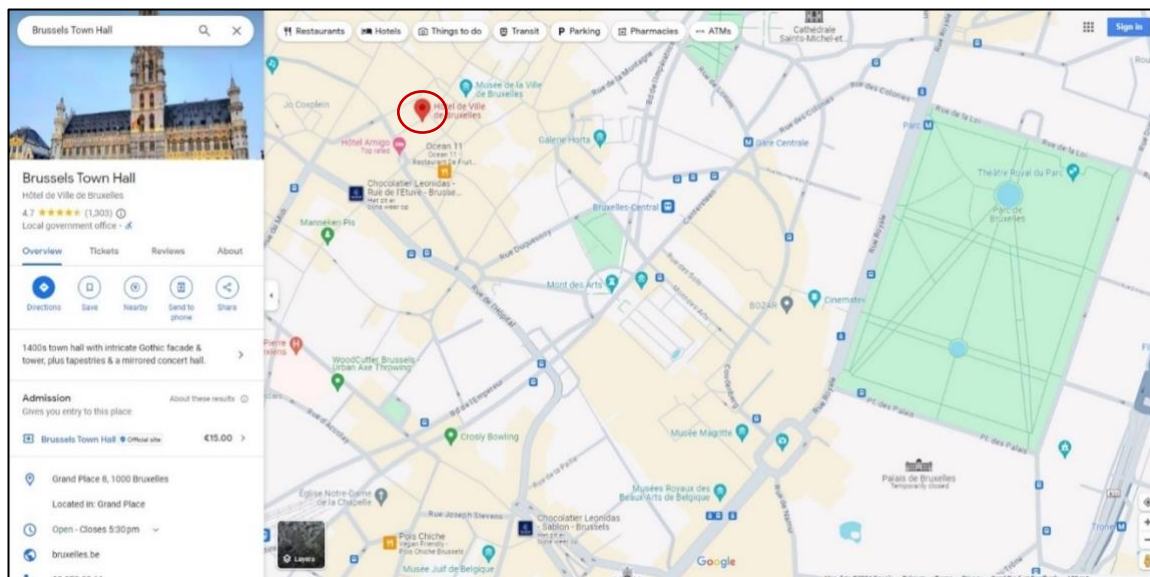
July 28, 2024

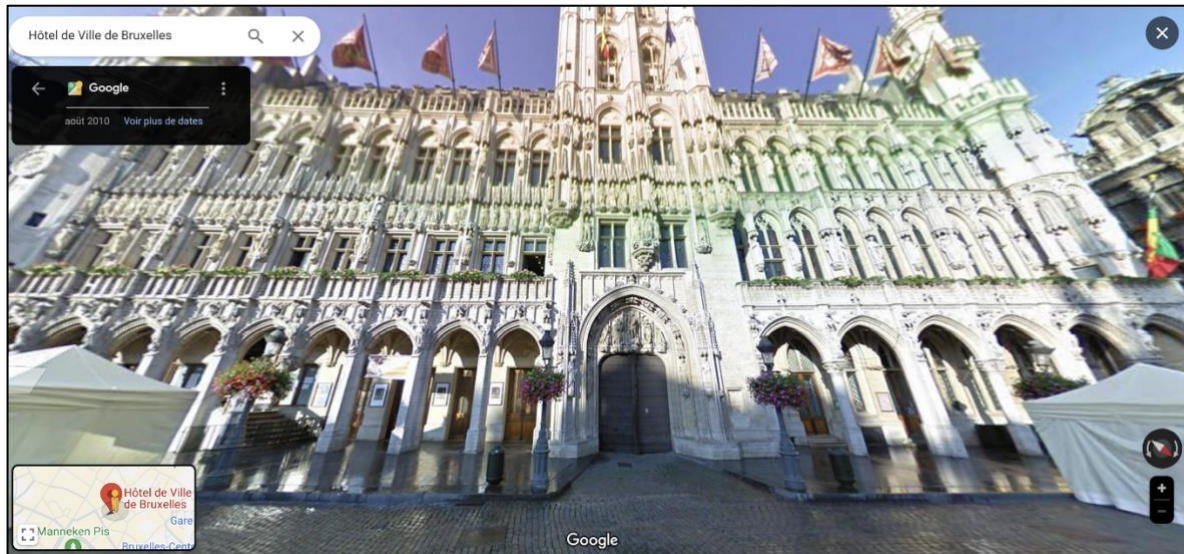
Time: Sunday from 05:00 pm until 08:00 pm CEST (GMT+2)

Location: City Hall of Brussels (Grand-Place 8, 1000 Brussels)

The Brussels town hall is located north of the royal quarter and is one of several buildings that make up the **Grand-Place**, a beautiful and historical quarter in downtown Brussels. The City Hall is at ~20 min walking distance from the Academy Palace and is even closer to the Brussels-Central railway station.


Location of the Brussels town hall:






Barringer Public Lecture

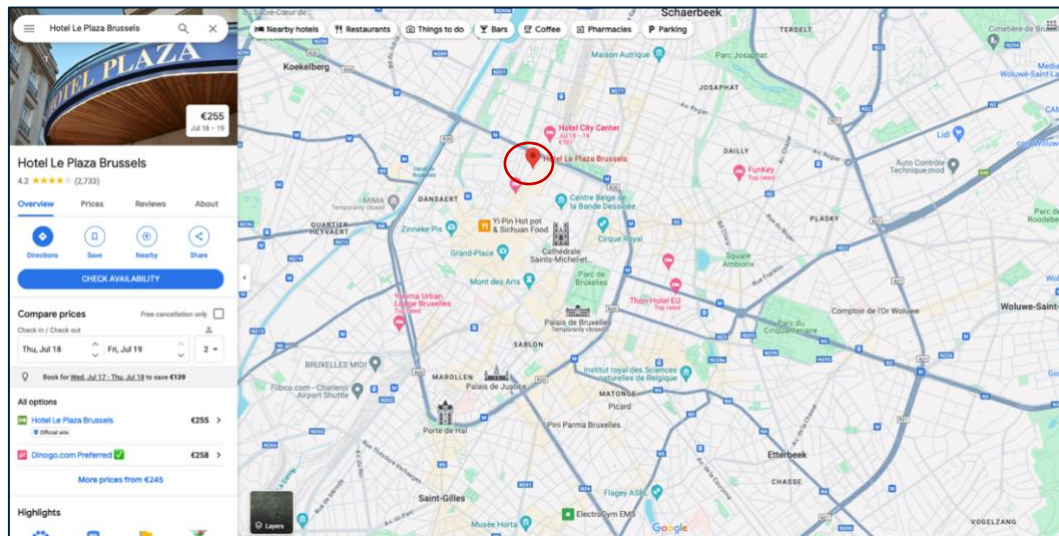
July 29, 2024

 **Time:** Monday at 06:00 pm CEST (GMT+2)

 **Location:** Hotel Le Plaza Brussels (Adolphe Maxlaan 118/126, 1000 Brussel)

Located in downtown Brussels, the **Plaza Hotel** is famous for its charming Belle Epoque decorated theatre. The hotel is closely located to the Rogier metro stop, a middle point for multiple metro lines. Véronique Dehant, from the Royal Observatory of Belgium, will take us to Mars with her presentation entitled “Does the Red Planet have a heart? Results from the Mars InSight mission.”

Location of the Plaza Hotel:



Front of the Plaza Hotel:





Entry to the Theatre of the Plaza Hotel:



Banquet

July 31, 2024

 **Time:** Wednesday at 07:00 pm CEST (GMT+2)

 **Location:** Institute of Natural Sciences (29 Rue Vautier 1000 Brussel)


The banquet will be organized as a walking dinner at the **Institute for Natural Sciences**, where you will be able to enjoy the delicious Belgian cuisine in the largest dinosaur gallery in Europe, known for the spectacular fossil Iguanodon skeletons.

Image of Bernissart Iguanodons as displayed at the Institute of Natural sciences.



Early career evening at "La source"

August 01, 2024

 **Time:** Thursday at 08:00 pm CEST (GMT+2)

 **Location:** La Source Beer (4 Rue Dieudonné Lefèvre, 1020 Brussel)

Thursday evening, after the poster session (doors opening at 8 PM), everybody is welcome to a typical Belgian and handcrafted brewery: **La Source Beer**. This is the same team who made the **Impact Ale beer** especially for the MetSoc 2024 conference that will be served at the poster sessions!

Early career participants who registered will receive **two tickets** for a large variety of drinks (beers, of course, and non-alcoholic drinks). Tapas/fingers food will be available (not included in the tickets).

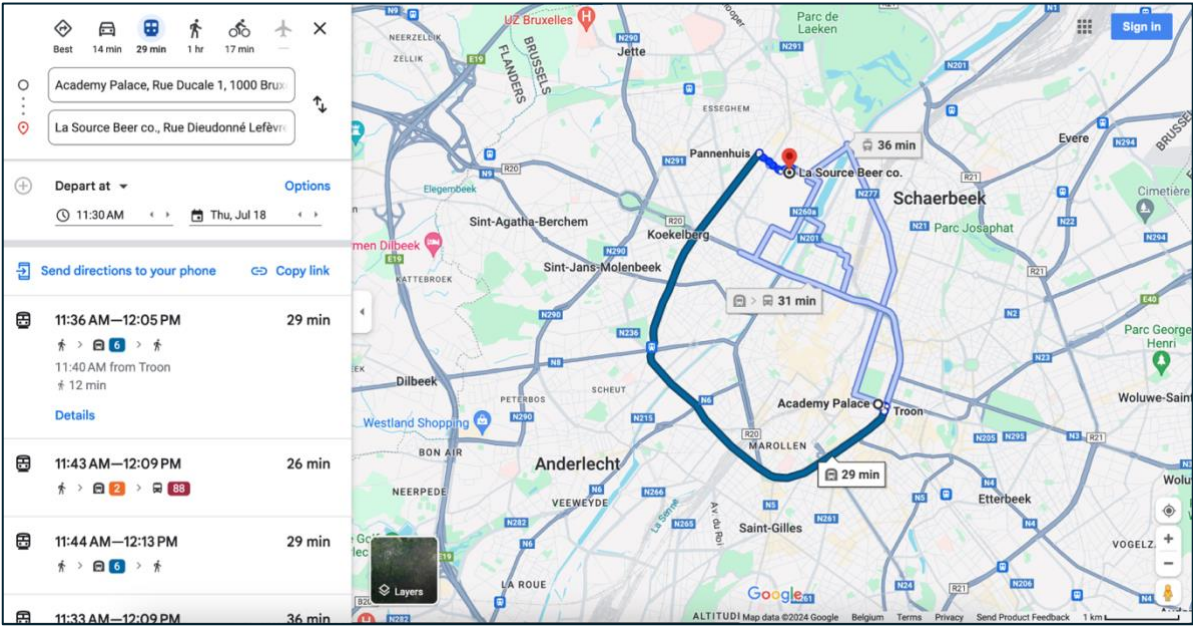
Please get your free ticket at the registration desk on Thursday (August 1st).

From the Academy Palace, where the conference is held, public transport is the best way to reach the **La Source Beer** brewery.

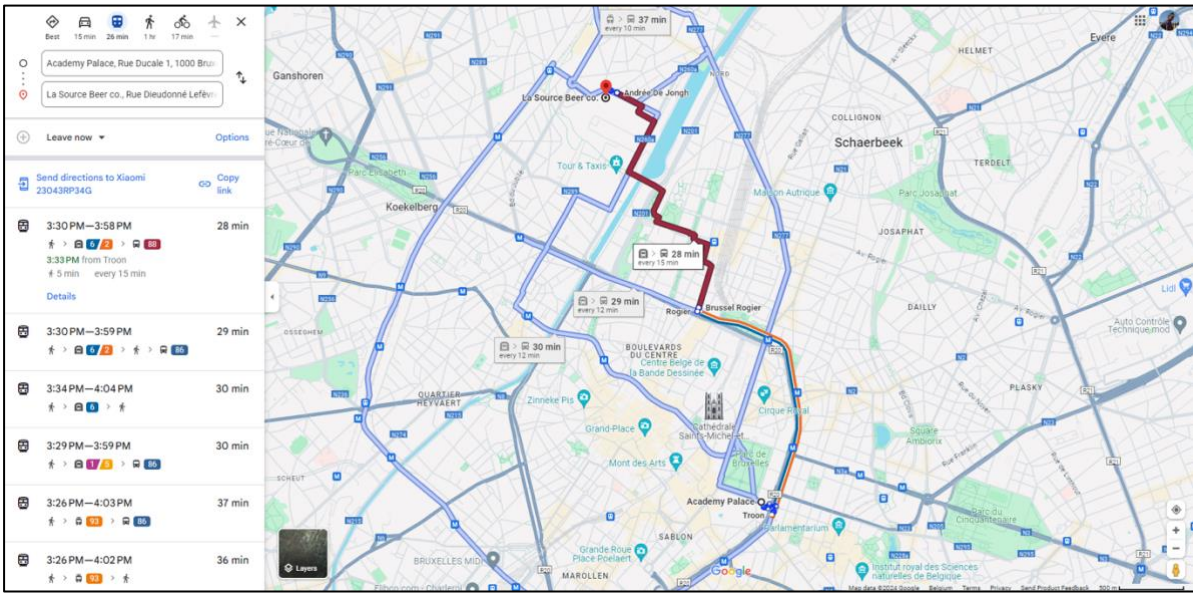
Option 1: You can take **metro line 6** from Trône/Troon station (direction Roi Baudouin) and get off at **Pannenhuis station**.

Option 2: you can take **metro line 6 or 2 from** Trône/Troon station (direction Elisabeth) to the Rogier metro station. In Rogier, you can take **bus 88** (direction UZ-VUB) up to the André De Jongh bus stop. After that, it's a 1 min walk.

Option 1:





Option 2:



Awards Ceremony and Business Meeting

July 31, 2024


 **Time:** Wednesday from 08:30 am until 12:30 pm CEST (GMT+2)


 **Location:** Academy Palace (Rue Ducale 1, 1000 Brussels)

The full program of the award and business meeting sessions can be found on the Metsoc 2024 website, more specifically [here](#).

Oral Sessions

July 29 to August 2, 2024

 **Time:** Monday, Tuesday, Thursday, and Friday from 08:30 to 05:00 pm CEST (GMT+2)

 **Location:** Academy Palace (Rue Ducale 1, 1000 Brussels)

The oral sessions will take place all week at the Academy palace, more specifically in the Throne, King Albert II and King Baudoin auditoriums. Coffee breaks are served throughout the day and will be available between presentations.

Oral presentation guidelines:

Please prepare your file according to the requirements below:

- Accepted file formats: .pptx or .pdf
- File name: Please use this file naming format: author name_abstract ID (for example, Barringer_1234.ppt)
- Preferred presentation format: 16:9 widescreen aspect ratio

You must upload your slides (on USB) to the conference Windows PC at the registration desk before the day of your session or in the morning of your session (it will not be possible to present from your own computer). Members of the local organizing committee will assist you at any times.

Presentation = 12-minute talk + 3-minute Q&A.

The Throne room:



King Albert II auditorium:



The King Baudouin room:



Poster Sessions

July 30 and August 1, 2024



Time: Tuesday and Thursday at 05:30 pm CEST (GMT+2)



Location: Academy Palace, Marble room (Rue Ducale 1, 1000 Brussels)

The poster sessions will take place on Tuesday and Thursday evening at the Academy palace, in the Marble Room. The **Impact Ale beer**, made especially for the MetSoc 2024 conference, will be provided during the poster sessions along with other alcoholic and non-alcoholic drinks.

The Marble room:

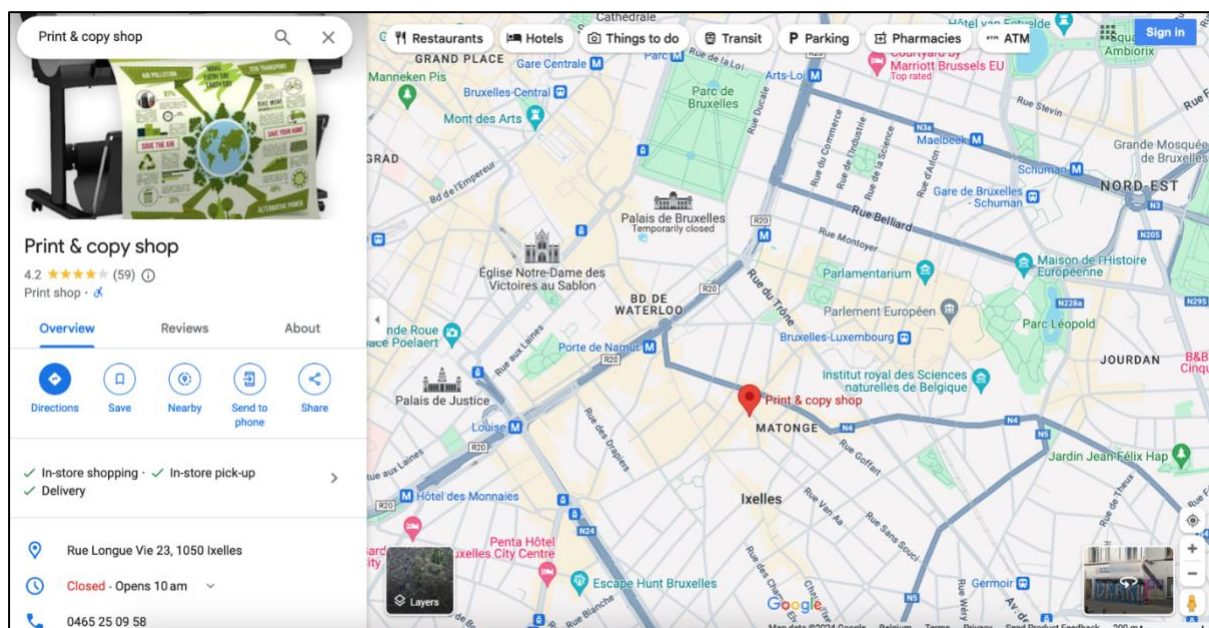


Poster presentation guidelines:

You will need to prepare and bring with you a printed version of your poster for display at your session:

- **Maximum poster size:** A0: 841 mm (wide) x 1190 mm (tall) portrait orientation (33.1 inches by 46.8 inches vertical). Oversized posters cannot be displayed.
- Your poster should include the title and author details, contact details, and text or figures best illustrating the work.
- Your poster should be put on the board on the **morning of your session**. Please **remove** your poster at the **end of the poster session**.

Tip: Close to the Academy Palace is a **Print & copy shop** where you can print your poster. The address is **Rue Longue Vie 23, 1050 Ixelles**. See location marked on the map below:



Technical Program

Below is a link to the schedule and abstracts of sessions according to their theme. The program is also available via the [Metsoc2024 website](#). This year, we also host a tribute to the late [Dieter Stöffler](#) (1939-2023) and [Hiroshi Takeda](#) (1934-2023), who both made important contributions to the field of meteoritics.

Presolar Grains, Micrometeorites, and Interplanetary Dust Particles

08:30 am [Throne Room](#) (July 29th)

01:30 pm [Throne Room](#) (July 29th)

05:30 pm **Poster session** [Marble Room](#) (July 30th)

Returned Samples from Asteroids

08:30 am [King Albert II Auditorium](#) (July 29th)

01:30 pm [King Albert II Auditorium](#) (July 29th)

08:30 am [King Albert II Auditorium](#) (July 30th)

10:00 am [King Albert II Auditorium](#) (July 30th)

01:30 pm [King Albert II Auditorium](#) (July 30th)

05:30 pm **Poster session** [Marble Room](#) (July 30th)

Mars and Mars Sample Return

8:30 am [King Baudouin Room](#) (July 29th)
05:30 pm **Poster session** [Marble Room](#) (July 30th)

Asteroidal Achondrites: A Tribute to Hiroshi Takeda

01:30 pm [King Baudouin Room](#) (July 29th)
05:30 pm **Poster session** [Marble Room](#) (July 30th)

Disk Evolution, Chronology, and Isotope Anomalies

03:15 pm [Throne Room](#) (July 29th)
02:15 pm [King Baudouin Room](#) (July 30th)
05:30 pm **Poster session** [Marble Room](#) (July 30th)

A Tribute to Dieter Stoeffler: Shock Deformation in Minerals and Rocks

08:30 am [Throne Room](#) (July 30th)
01:30 pm [Throne Room](#) (July 30th)
03:45 pm [Throne Room](#) (July 30th)
08:30 am [Throne Room](#) (August 1st)
01:30 pm [Throne Room](#) (August 1st)

Small Body Evolution and Planetary Differentiation

08:30 am [King Baudouin Room](#) (July 30th)
01:30 pm [King Baudouin Room](#) (July 30th)
05:30 pm **Poster session** [Marble Room](#) (July 30th)

Chondrites: Carbonaceous and Related Chondrites

02:45 pm [King Albert II Auditorium](#) (July 30th)
08:30 am [King Albert II Auditorium](#) (August 1st)

Chondrites: Mainly Non-carbonaceous Chondrites

10:00 am [King Albert II Auditorium](#) (August 1st)

Chondrites

05:30 pm **Poster session** [Marble Room](#) (July 30th)

Meteorite Delivery to Earth and Recovery

05:30 pm **Poster session** [Marble Room](#) (July 30th)
08:30 am [King Baudouin Room](#) (August 1st)
01:30 pm [King Baudouin Room](#) (August 1st)

Aqueous Alteration of Chondrites and Organic Matter

01:30 pm [King Albert II Auditorium](#) (August 1st)
05:30 pm **Poster Session** [Marble Room](#) (August 1st)
08:30 am [King Albert II Auditorium](#) (August 2nd)

Chondritic components

05:30 pm **Poster Session** [Marble Room](#) (August 1st)

10:45 am [King Albert II Auditorium](#) (August 2nd)

01:30 pm [King Albert II Auditorium](#) (August 2nd)

Moon

05:30 pm **Poster Session** [Marble Room](#) (August 1st)

08:30 am [King Baudouin Room](#) (August 2nd)

01:30 pm [King Baudouin Room](#) (August 2nd)

Extraterrestrial Material: Curation, Classification, and Historical Importance


05:30 pm **Poster Session** [Marble Room](#) August 1st


08:30 am [Throne Room](#) August 2nd

01:30 pm [Throne Room](#) August 2nd

Field Trips

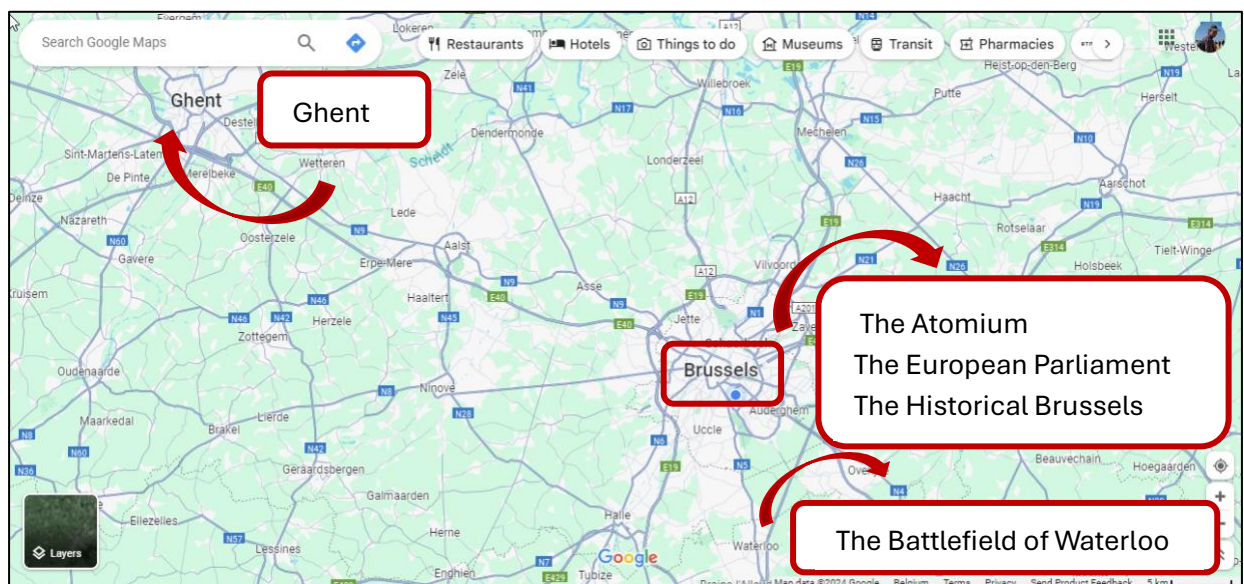
July 31, 2024

 **Time:** Wednesday 31st of July afternoon

 **Meeting Location:** Dependent on each destination

On Wednesday, we offer the choice of **five** different field trip destinations (3 within Brussels and 2 outside Brussels)! It is the perfect opportunity to explore some of Belgium's most notable attractions and landmarks.

Destinations:



Below is a brief description of each one.

The Atomium



The Atomium a landmark modernist building constructed for the 1958 World Fair that represents a unit cell of an iron crystal magnified 165 billion time

Plan and Instructions:

Starting location: Academy Palace at 13:15 pm

Duration: 14:00 pm – 18:00 pm

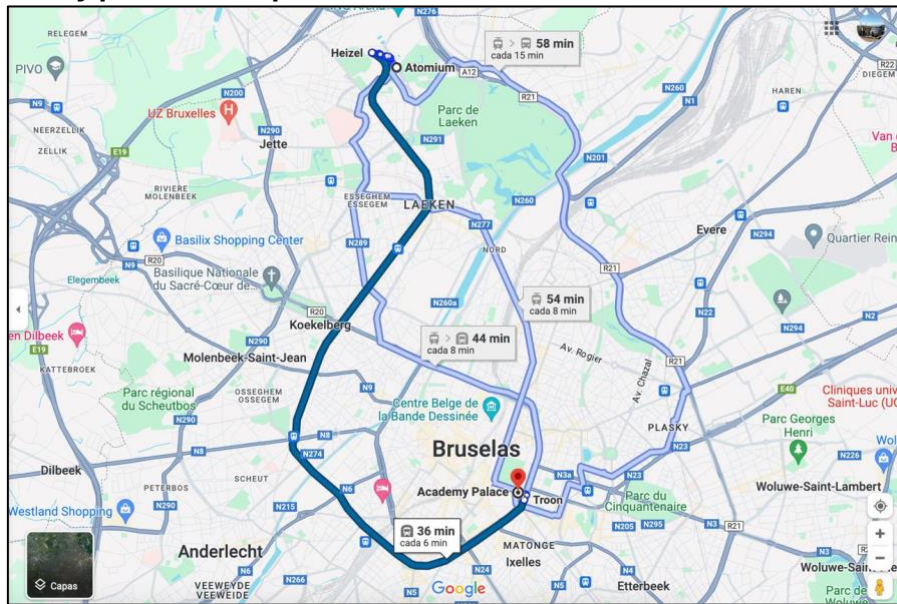
Number of places: ~ 60 people

Local Organizing Committee host: Gabriel Pinto

We will meet at the entrance of the Academy Palace at 13:15 pm and take the metro line 6 at Trône/Troon station (direction to Elisabeth). We will have a group ticket, so please be on time at the entrance. The travel duration is about 40 min. When we arrive at the destination, we will start with a guide visit to the Atomium at 14:00 pm, mini-Europe, and the Ossegempark. We will travel back to Brussels by metro, and arrive back at Trône/Troon station around 6.00 pm.

The Atomium

Map to travel by public transportation to the Atomium:



After the Atomium, we will visit the park “Mini-Europe” located at its feet. Mini-Europe reproduces in a smaller version all the historical building of Europe <https://www.minieurope.com/en>



Ghent



Ghent was labelled Belgium's best kept secret by Lonely Planet founder Tony Wheeler in 2023

Plan and Instructions:

Starting location: Academy Palace at 13:15 pm

Duration: 13:15 pm – 18:00 pm

Number of places: 100 people

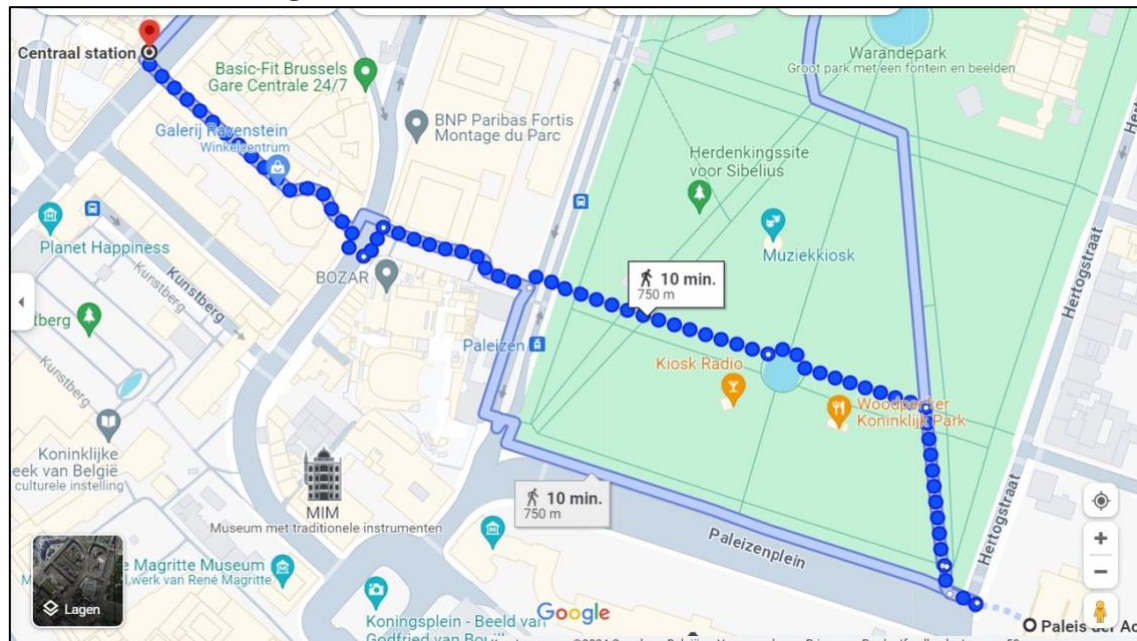
Local Organizing Committee host: Steven Goderis (and Marleen De Ceukelaire)

In case you missed the meeting point at the Academy Palace, we will also meet at Brussels Central Station at 13:40 pm at level –1 near the shops (below the glass cupola marked by a red arrow on the map below). The station is a 10-minute walk from the **Academy Palace** (see the map attached). The train leaves at 13:56 pm and we have a group ticket, so please be on time at the Central Station to stay together.

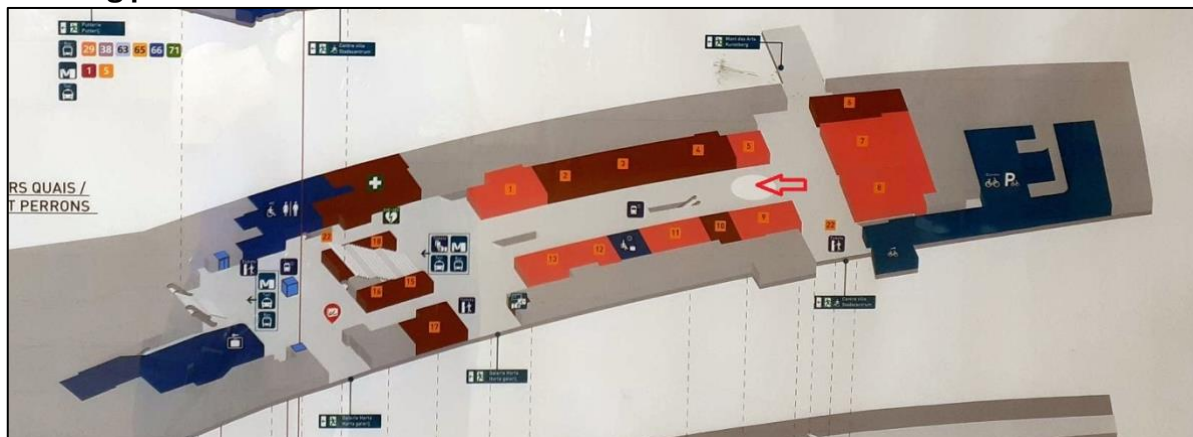
Ghent

Once we arrive in Ghent, we will continue for a short walk before we board the river boats that will take us around various landmarks that characterize Ghent, while we enjoy a local drink and confectionary. We will travel back to Brussels on the 16:55 pm train and arrive in the Brussels-Luxembourg station, very close to the Natural History Museum and location of the banquet.

Walk from the starting location to the Brussels Central Station:



Meeting point at Brussels Central Station:



The Battlefield of Waterloo



Battlefield of Waterloo is where the fate of Europe was tragically determined

Plan and Instructions:

Starting location: Academy Palace at 13:30 pm

Duration: 13:30 pm – 18:00 pm

Number of places: ~ 100 people

Local Organizing Committee host: Vinciane Debaille

We will travel together on our own private bus. Please be 10 minutes in advance at the starting location! The bus trip to reach Waterloo takes about one hour. When we arrive at the destination, we will explore the 1815 Memorial, climb the 226 steps of the Butte du Lion, and discover the final authentic witness to the Battle. Don't worry about the return trip, the bus will drop you off at the end of the trip at the exact same location as where it started.

The European Parliament



The European Parliament is the heart of democracy in the European Union, representing 500 million people

Plan and Instructions:

Starting location: Academy Palace at 13:30 pm

Duration: 13:30 pm – 18:00 pm

Number of places: ~ 60 people

Local Organizing Committee host: Dina Cabrita

From the meeting point, we will walk about 15 min to the **European Quartier**, where most of the buildings of the European Parliament are located. We will visit the **Hemicycle** (where Members of the European Parliament gather during plenary sessions to hold the largest and most important debates) and the **House of European History** (where we can explore how history has shaped a sense of European memory and continues to influence our lives today and in the future). If we have time, we will also visit the Parlamentarium!

Please note:

It's mandatory to bring a **valid identity document (national ID card or passport)**. All visitors and bags are subject to airport-style security checks before entry.

Tour of Historical Brussels



Discover the monuments and squares of Brussels

Plan and Instructions:

Starting location: Academy Palace at 13:30 pm

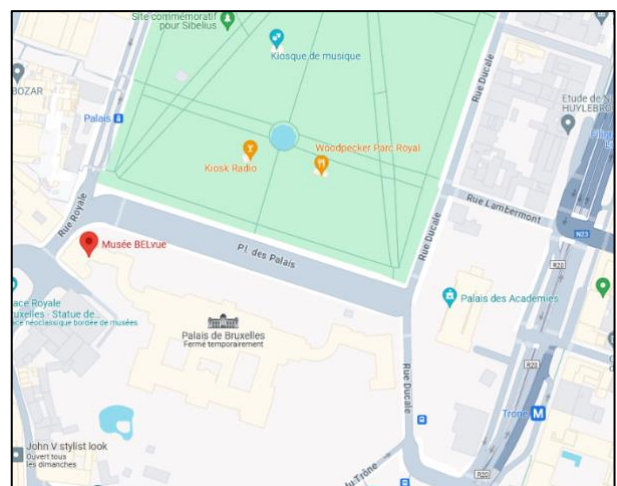
Duration: 13:30 pm – 17:30 pm

Number of places: ~60 persons

Local Organizing Committee host: Maxwell Thiemens

We will meet at the entrance of the Academy Palace at 13:30 pm or in front of the Belvue Museum at 13:45 pm. We will be a large group, so please be on time.

We will start with a **guided tour** around the city center (1.5h duration) and continue with a visit to the **Magritte Museum**.



Food and Drinks during the conference

Lunch will be **available** at the **conference venue** with cold and hot options at 5 and 10 € respectively, through a ticketing system. The options for meals will change daily according to the chef's suggestions, while soft drinks are included. Belgian beers will be available at 6 €. The tickets will be available at the conference information desk (payment by card). Please find all information for the different options here: <https://en.dillycov.be/online-ordering>

If weather permits, please do not hesitate to enjoy your lunch in the park of the Palace of the Academies or the Royal Park just next door.

Alternatively, the most affordable supermarket chains are **Colruyt**, **Lidl** and **Aldi**. **Carrefour** and **Delhaize** offer good quality products but are slightly more expensive.

Of course, you can also enjoy lunch off-site. Restaurants serving **traditional Belgian cuisine** (*Boulets à Liégeoise*, *Carbonnades à la Flamande*, *Stoemp saucisse*) include:

- Le Plattestein (Rue du Marché au Charbon 41, 1000 Bruxelles)
- Schievelavabo (Chau. de Wavre 344, 1040 Etterbeek)

For a taste of the “**Belgian fries**”, we recommend:

- Maison Antoine (Place Jourdan 16, 1040 Etterbeek)
- Frit'Flagey (Place Flagey 1, 1050 Ixelles)
- Tram de Boitsfort (Pl. Andrée Payfa-Fosseprez, 1070)

For the famous “**Belgian waffles**”:

- Maison Dandoy (different locations in the city)

Various **Bars** of interest:

- Place Saint Gery (Pl. Saint-Géry, 1000 Bruxelles)
- The BeerLab (Pl. de la Bourse, 1000 Bruxelles, on the top of Bourse building)
- Royal Puppet Theater Toone Bar (Rue du Marché Aux Herbes 66, 1000 Bruxelles)

- Delirium Village (Imp. de la Fidélité 41000 Bruxelles)

Other information

Emergency numbers (available from any phone, even without a network):

- European emergency number – 112
- Ambulance and fire brigade – 100
- Police – 101

If you have any difficulties or need help on the day, contact metsoc24@ulb.be

Special Acknowledgments

- Maria Valdes for the conceptualization of the logo
- ULB, especially Karine Triquenaux, for administrative support
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- The Meteoritical Society
- All volunteers, the large number of committee members, our sponsors, and all participants - thank you all for making MetSoc 2024 possible!