



13th Scientix Projects' Networking Event

STEM IN PRIMARY EDUCATION

Brussels, 27 June 2018

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Co-organisers:



This event is supported by the European Union's H2020 programme project **Scientix 3** (Grant agreement N. 730009), coordinated by European Schoolnet (EUN). The event is the sole responsibility of the organizers and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained. GFOSS – Open Technologies Alliance is a non-profit organization founded in 2008, including 36 Universities and Research Centres. The Cell EXPLORERS programme (www.cellexplorers.com) is an Irish education and public engagement programme based in the School of Natural Sciences of the National University of Ireland Galway.

INTRODUCTION

Research shows that interests influence future career choices and attitudes to science acquired in school impact a person's relationship to science and technology in adult life. Therefore, it is crucial to ignite that interest in pupils at an early age. According to the European Commission (EC), science teaching at the level of primary schools has a strong long-term impact, which corresponds to the time of construction of intrinsic motivation, associated with long-lasting effects.

The 13th SPNE brings together project and organisation representatives activating in STEM education to discuss these concerns and explore best practices in encouraging STEM teaching at the level of primary schools. The event will run in conjunction with weeklong training for primary school teachers co-organised by Scientix on the topic of "Science, Technology, Engineering and Mathematics in primary school classrooms".

OBJECTIVES

The aims of this 13th Scientix Projects Networking Event co-organized by Scientix, [GFOSS–Open Technologies Alliance](#), [Cell EXPLORERS](#) and [NUI Galway](#):

- To share experiences and initiatives addressing innovative STEM teaching in primary schools.
- To reflect on the role of STEM training for primary school generalist teachers.
- To explore a set of good practices in motivating students into science from early ages.
- To define a set of recommendations of follow up actions in the area of STEM in primary education.

TARGET AUDIENCE

20 to 30 participants, including experts, and project and organisation representatives working on the topic, as well as researchers, teachers, policy makers, SMEs and other interested education practitioners (but it is not a teacher training event).

DATE AND VENUE

27 June 2017, 09:30 AM – 15:30 PM

Future Classroom Lab of European Schoolnet
European Schoolnet, Rue de Treves 61, 1000, Brussels, Belgium



HOTELS (WHERE YOU WILL BE STAYING)

Participants with the accommodation booked by European Schoolnet will be staying at **Motel One Brussels**, Rue Royale/Koningsstraat 120, 1000 Brussels and **Thon Hotel Brussels City Centre**, Avenue du Boulevard 17, 1210 Bruxelles.

Hotel allocations are detailed in the Participants list at the end of the document.

HOW TO GET TO MOTEL ONE BRUSSELS

From Brussels airport (Zaventem) to the nearest stop

Take the train which leaves from level -1 in the airport and get off at Bruxelles Central. The journey takes up to 30 min. You can buy a ticket directly at the airport. You can check the timetable here: <http://www.belgianrail.be/jp/sncb-nmbs-routeplanner/query.exe/en>

The hotel is 10 minutes on foot (Figure 1).



Figure 1: Train stop (Bruxelles Central) to Motel One

From Brussels South Charleroi Airport to the nearest Brussels stop

Take the Brussels City Shuttle (Airport Exit 4)¹ and get off at Brussels Midi (Zuid) Station. For the bus schedule: <https://www.brussels-city-shuttle.com/en/timetable>

From Brussels Midi (Zuid) Station to the nearest metro stop

Take Metro line 2 or 6 direction Simonis (Elisabeth) Get off at Arts-Loi station. The hotel is 10 minutes away on foot.

From Metro to Motel One

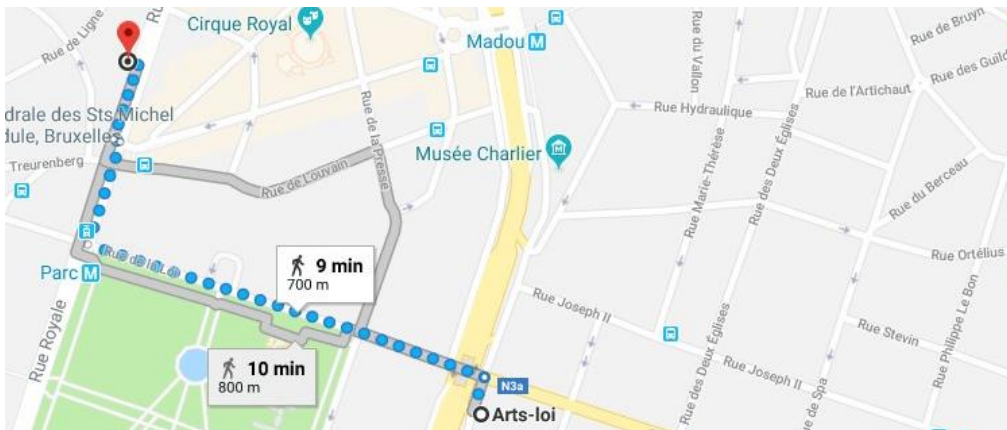


Figure 2: Metro stop (Arts-Loi) to Motel One

¹ Brussels City Shuttle (from Charleroi Airport): <https://www.brussels-city-shuttle.com/en/busstops>

HOW TO GET TO THON HOTEL

From Brussels airport (Zaventem) to Thon Hotel Brussels City Centre

Take the train which leaves from level -1 in the airport and get off at NOORDSTATION/GARE DU NORD. The journey takes under 30 min. You can buy a ticket directly at the airport. You can check the timetable here: <http://www.belgianrail.be/jp/sncb-nmbs-routeplanner/query.exe/en>

The hotel is 10 minutes on foot (Figure 3).

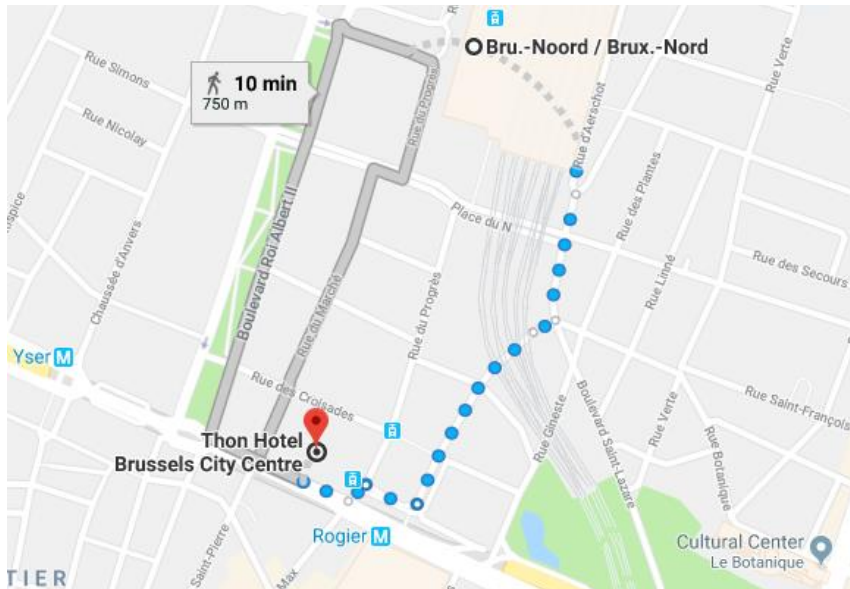


Figure 3: From Gare Du Nord to Thon Hotel

From Brussels South Charleroi Airport to the nearest Brussels stop

Take the Brussels City Shuttle (Airport Exit 4)² and get off at Brussels Midi (Zuid) Station. For the bus schedule: <https://www.brussels-city-shuttle.com/en/timetable>

From Brussels Midi (Zuid) Station to the nearest station

You can take the train from Brussels Midi (Zuid) Station to NOORDSTATION/GARE DU NORD (every 3 min) or the take the Tram lines 3 or 4 direction Esplanade (Gare du Nord) and get off at Gare du Nord station. The hotel is 10 minutes away on foot (see Figure 3).

FROM HOTELS TO THE VENUE

From Motel One to European Schoolnet

You can take Metro 1 or 5 direction Stockel (Herrmann-Debroux) and get off at Maelbeek (2 stops) – or walk 17 minutes.

² Brussels City Shuttle (from Charleroi Airport): <https://www.brussels-city-shuttle.com/en/busstops>

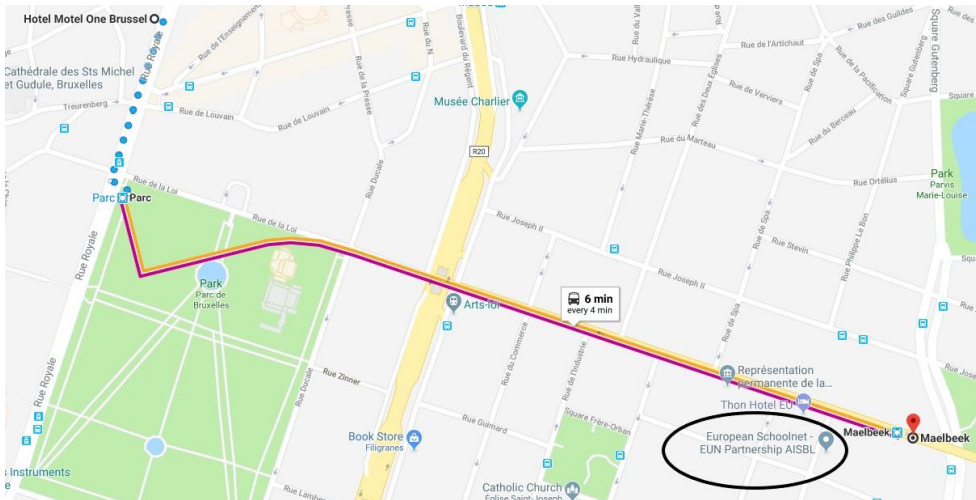


Figure 4: From Motel One to European Schoolnet

From Thon Hotel Brussels City Centre to European Schoolnet

You can take Metro 2 or 6 direction Simonis (Roi Baudouin) for 3 stops and get off at Arts-Loi. European Schoolnet is approx. 5 minutes away on foot.

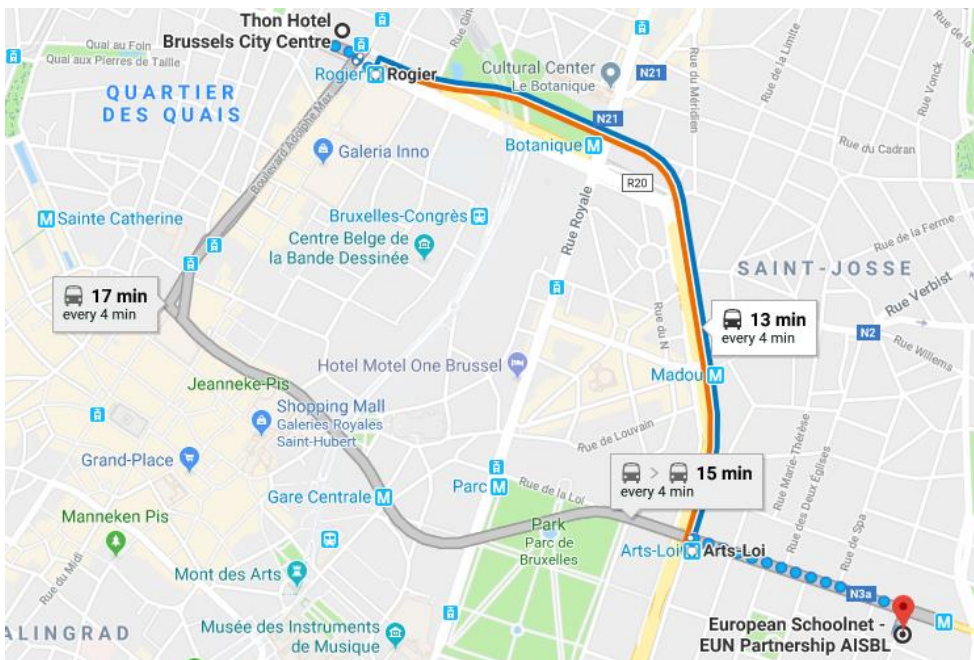


Figure 5: Thon Hotel Brussels City Centre to European Schoolnet

AFTER THE EVENT

The organizers will collect ideas, comments and general conclusions agreed between participants during the workshop. The results of the discussion will be published in a Scientix Observatory article co-authored by all participants. For more information on Scientix observatory papers, please see: <http://scientix.eu/observatory>

PROGRAMME (WEDNESDAY 27 JUNE 2018)

Time	Session
09:30 – 10:00h (30')	Welcome coffee and registration
10:00 – 10:10 (10')	Welcome to the event and brief presentation on Scientix
10:10 – 10:30 (20')	Presentations from co-organisers: <ul style="list-style-type: none"> • GFOSS – Open Technologies Alliance: Open Technologies and STEM education • The Cell EXPLORERS programme
10:30 – 11:20 (50')	5' Guest presentations: <ul style="list-style-type: none"> • Augmented reality, coding and robotics in primary school • STIMEY: STEM for Primary Education with Socially Assistive Robotics • Research on Internet safety and personal data concerning young people at schools • Stories of Tomorrow: Students Visions on the Future of Space Exploration • STEM Program at Anatolia College Kindergarten and Elementary School • Teaching with Space: Universe in the Classroom • Saturdays of Science: promoting STEM education in primary schools
11:20 – 11:30 (10')	<i>Coffee break</i>
11:30 – 12:20 (50')	STEM teaching in primary schools: Open discussion with primary school teachers
12:20 – 13:00 (40')	<i>Networking Lunch</i>
13:00 – 14:00 (60')	Workshop (part 1) <i>STEM teaching in primary schools: what has been done and the steps forward</i>
14:00 – 14:20 (20')	Coffee break
14:20 – 15:20 (60')	Workshop (part 2)

Time	Session
	<i>STEM teaching in primary schools: what has been done and the steps forward</i>
15:20 – 15:30 (10')	Summary of the event by organizers

PARTICIPANTS

	Last Name	First Name	Project/organization	Hotel
1	Ahmadi	Mahbobah	Astronomy & Society Group of Leiden University	Motel One
2	Angelopoulos	Panagiotis	GFOSS – Open Technologies Alliance	Thon Hotel Brussels City Centre
3	Coelho	Maria Joao	CCEMS - Centro de Competência Entre Mar e Serra	Thon Hotel Brussels City Centre
4	Gras	Agueda	European SchoolnetN	N/A
5	Greca	Ileana M	Universidad de Burgos	Thon Hotel Brussels City Centre
6	Grenon	Muriel	Cell EXPLORERS, NUI Galway	Motel One
7	Kalambokis	Elias	Anatolia College	Motel One
8	Korra	Adelajda	Meridian International Elementary School	Motel One
9	Lazoudis	Angelos	Ellinogermaniki Agogi	Thon Hotel Brussels City Centre
10	Lefkos	Ioannis	University of Macedonia	Motel One
11	Mc Guinness	Shane	Cell EXPLORERS, NUI Galway	Motel One

	Last Name	First Name	Project/organization	Hotel
12	Michetti	Tina	Lunar Mission One	N/A
13	Mitropoulou	Despina	GFOSS – Open Technologies Alliance	Thon Hotel Brussels City Centre
14	Nistor	Adina	European Schoolnet	N/A
15	Njegovanovic	Gorica	Primary School "Mihajlo Pupin"	Motel One
16	Otten	Heleen	Universe Awareness, www.unawe.org	Motel One
17	Palazi	Chryssanthi	Network for internet safety at schools (http://isecurenet.sch.gr/portal)	Motel One
18	Proias	Georgios	University of Thessaly	N/A
19	Tran	Han	Universe Awareness http://www.unawe.org/about/	Motel One
20	Tsaknia	Thalia	Ellinogermaniki Agogi Primary School	Thon Hotel Brussels City Centre
21	Tsochatzidis	Nikolaos	Technological Educational Institute of Central Macedonia	Motel One