

# CIVITAS

Sustainable and smart mobility for all

2030



## A guide to the educational network on Europe

Deliverable No.:	D4.3
Project Acronym:	CIVITAS ELEVATE
Full Title: CIVITAS ELEVATE – CIVITAS 2020 Coordination and Support Action	
Grant Agreement No.:	824228
Workpackage No.:	4
Workpackage Title: Capacity Building	
Responsible Author: Ekaterina Uzunova (BUAS)	
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Date:	12.12.2022
Status:	Final
Dissemination level:	Public



THE CIVITAS INITIATIVE  
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THE EUROPEAN UNION

*The CIVITAS ELEVATE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 824228.*

## Abstract

D4.3 - A guide to the educational network in Europe provides a comprehensive overview of the activities corresponding to the initiation and operation of the CIVITAS Educational Network, and presents a future outlook for the continuation of the network. It is written as part of WP4 Capacity Building of the CIVITAS ELEVATE project - CIVITAS 2020 Coordination and Support Action. D4.3 is a complementary deliverable to the “*CIVITAS Catalogue on Education in Urban Mobility*” published on the CIVITAS website (<https://civitas.eu/education-catalogue>). The catalogue provides an overview of educational offers in (or related to) urban mobility, offered by educational institutes all across Europe.

## Project Partners

Organisation	Country	Abbreviation
Mobiel 21	BE	M21
DTV Consultants	NL	DTV
ICLEI European Secretariat	DE	ICLEI
INOVA+ Innovation Services	PT	INOVA+
Breda University of Applied Sciences	NL	BUAS
TRT Trasporti e Territorio	IT	TRT

## Document History

Date	Person	Action	Status	Diss. Level
28.11.2022	Uzunova	Preparation of draft 1	Draft	WPL
28.11.2022	Nesterova	Revision draft 1	Draft	WPL
05.12.2022	Gorris	First revision	Draft	WPL
08.12.2022	Uzunova	Preparation of final version	Final	WPL
12.12.2022	Dotter	Submission of final version	Final	PC, PM, PO

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# 1. INTRODUCTION

*Deliverable 4.3 A guide to the educational network in Europe* is a complementary deliverable to the “*CIVITAS Catalogue on Education in Urban Mobility*” published on the CIVITAS website (<https://civitas.eu/education-catalogue>). This catalogue provides an overview of educational offers in (or related to) urban mobility, offered by educational institutes all across Europe. It supports current and future students to identify a programme, course, or module they might be interested in applying for; supports university representatives in identifying cooperation opportunities with other institutes; and helps industry stakeholders find new educational partners. The catalogue is a living document that will be updated with new offers and will be kept up-to-date in collaboration with the members of the CIVITAS Educational Network (<https://civitas.eu/mobility-powered-by-youth>).

*A guide to the educational network in Europe* provides a comprehensive overview of the activities corresponding to the initiation and operation of the CIVITAS Educational Network, and presents a future outlook for the continuation of the network.

CIVITAS ELEVATE has been the facilitator of the network and its main operational driving force. Since its kick-off in 2021, the CIVITAS Educational Network contact list now comprises a total of 63 educational institutes across Europe and beyond active in the field of urban mobility. The officially registered members of the network are 50 institutes.

Following the introduction of the deliverable, chapter 2 presents the CIVITAS Educational Network, including details about the initiation processes, the current operational model and its members. Chapter 3 provides an overview of the activities of the network and the results from those thus far. Chapter 4 scans other similar networks to derive key lessons for the future of the CIVITAS Educational Network and presents the recommendations regarding the continuation of the network. Chapter 5 provides the conclusions of the deliverable.

## 2. CIVITAS EDUCATIONAL NETWORK: Setting the scene

### 2.1 About the network

The current transition towards sustainable and competitive urban mobility and transport services, accelerated through the ‘European Green Deal’ (European Commission, 2019), is resulting in a swift shift of the requirements towards the future mobility professional. Additionally, employers are increasingly voicing concerns about the disconnect between education and employability (Gartner TalentNeuron, 2021; Sarma, 2022).

Mobility is no longer a discipline where a linear and single-minded approach is possible. On the contrary, professionals in the field are now expected to approach the transition from multiple perspectives to ensure its current acceleration and success in the long run. In order to successfully enter the mobility workforce and remain in it, young professionals need to be equipped with the right skills and competencies. The driving force preparing these young professionals for their future careers are the educational institutes which also need to adapt their offerings by making them fit for the future. This is accompanied by an increasing demand for establishing cooperations between private actors, universities and public bodies (Chattopadhyay & Nogueira, 2014; European University Association, 2021).

Considering this line of developments, a survey conducted in 2021 in the framework of CIVITAS ELEVATE among European educational institutes active in the field of urban mobility established the need for a more structural cooperation between universities in this field. As a result of this survey, CIVITAS Initiative established the CIVITAS Educational Network - a network which enables the cooperation between educational institutes active in the field of urban mobility. The initiation of the network was marked by its kick-off on 20 October 2021 at the CIVITAS Forum Conference 2021 in Aachen, Germany. The network then organized four online sessions in December 2021 and January 2022 dedicated to the forms of cooperation indicated as most valuable by the institutes which have filled in the survey, namely:

- Knowledge exchange
- Student exchange
- Joint master`s programmes
- Shaping the network (an additional session for institutes interested in the way the network could be shaped in terms of structure, direction, objectives and work plan)

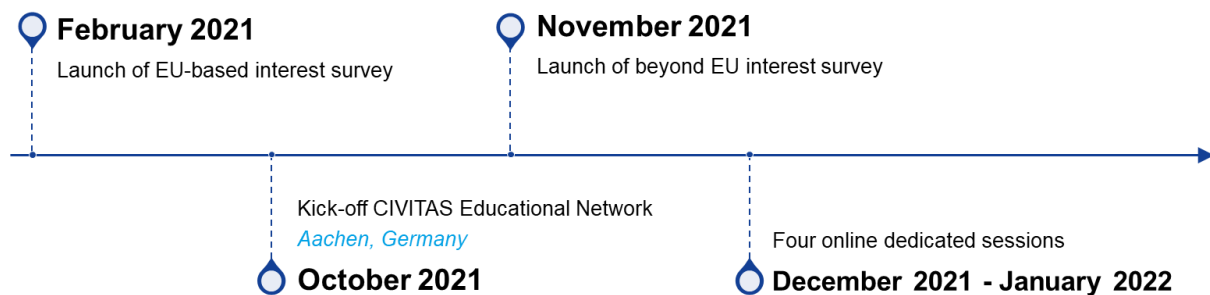
Next to the dedicated sessions, the network has held three general online meetings so far and an in-person meeting during the 2022 Urban Mobility Days Conference in Brno, the Czech Republic. This meeting occurred a day after the CIVITAS Conference “Mobility Powered by the Youth” where the CIVITAS Educational Network was presented.

One of the network`s milestones was the release of the CIVITAS Educational Network webpage (<https://civitas.eu/mobility-powered-by-youth>). The webpage features a description of the network and its activities, a map of its member with links to the official website of each institute, information about how to join the network and a ‘News and Open Calls’ section.

The network further targeted the inclusion of educational institutes beyond the EU active in the field of urban mobility. This was facilitated through the launch of a second survey in November 2021 which resulted in the addition of several institutes located outside the EU area to the contact and mailing list.

Up to this date, the CIVITAS Educational Network contact list comprises a total of 88 contact persons from 63 educational institutes spanning over 31 countries in the EU and beyond. Having joined forces in this network, the members of the network aspire to educate future professionals on tackling current and future urban mobility challenges and to bring synergy in understanding urban mobility. The desired long-term outcome of this initiative is to have a self-sufficient network of cooperating universities which tackles the current gap between education and employability by pursuing a holistic, interdisciplinary and international approach to urban mobility education. The timelines below provide an overview of the actions related to the initiation and operation of the network up until now.

### Developments 2021



### Developments 2022



## 2.2 Operational model of the network under CIVITAS ELEVATE

CIVITAS ELEVATE comprises the goals of developing an educational network, analysing the potential of collaboration within the educational network and assessing the programmes of educational institutes involved in mobility-related education and types of collaboration. With the initiation of CIVITAS Educational Network and its subsequent activities, CIVITAS ELEVATE achieved those goals. However, the formalisation of the network's governance and membership model are yet to be put in place. Since its initiation, the network has been operating under the CIVITAS ELEVATE project.

The initiator and the current leading party of the CIVITAS Educational Network is the CIVITAS ELEVATE project partner Breda University of Applied Sciences. The main contact person for the network, also specified in the webpage, is Dr. Nina Nesterova from Breda University of Applied Sciences. BUAS is the party leading and organizing each meeting of the network.

In order to become members of the network, institutes need to fill in the entry survey (<https://forms.gle/UFfhfB2rmw9irDEJA>).

As previously mentioned, the CIVITAS Educational Network contact list comprises 63 educational institutes, represented by 88 persons. Some of these institutes are more active than others, as they attend most meetings of the network and regularly share their updates. Next to that, some of the institutes have filled in the entry survey and are, thus, considered official members, while others have not yet done so. The 63 educational institutes part of the contact list of the network are listed per country in Annex III.

### CIVITAS Educational Network contacts overview (status December 2022)



**63**

educational  
institutes



**88**

contact  
persons



**31**

countries

The main means of communication between the members are:

1. *CIVITAS Educational Network webpage*: official online platform which provides wider visibility of the network and its members by allowing members to share news and announcements about their mobility educational and research activities.
2. *Email communication*: official communication between the members of the network occurs via email.
3. *Meetings of the network*: these take place online every 2 months via Microsoft Teams and typically last about 1 hour. Prior each meeting, BUAS sends out an agenda which has been created according to the topics members have expressed interest to discuss. After each meeting, BUAS sends out the meeting minutes and summarizes the main points discussed, the announcements/news universities want to share and the upcoming action points for the network members.



## 2.3 Entry survey results – official membership of the network

In February 2021, Breda University of Applied Sciences (the Netherlands) and DTV Consultants (the Netherlands) launched a survey among educational institutes active in the field of Urban Mobility in the framework of CIVITAS ELEVATE. This is the entry survey every institute needs to fill in in order to become a member of the CIVITAS Educational Network. This chapter presents the results from this survey.

The survey consists of 4 parts and the sections on the following page present the results from parts 2 and 3.

- Part 1 - General information about your educational institute
- Part 2 - Educational institutes active in the field of Urban Mobility (3 questions)
- Part 3 - Education and research activities in the field of Urban Mobility (9 questions)
- Part 4 - Contact information

The survey has a total of 58 respondents from 52 educational institutes spanning over 27 countries in the EU and beyond. Two of these institutes have indicated that they do not wish to be contacted in the future, leaving the official membership of the network at a total of 50 educational institutes. The results presented on the next pages are for the 56 contact persons. Information about the development and dissemination process of this survey is presented in Annex I, and the contents of the survey are presented in Annex II.

### CIVITAS Educational Network official membership (status December 2022)



**50**  
educational  
institutes



**56**  
contact  
persons



**27**  
countries

## Part 2 - Educational institutes active in the field of Urban Mobility

In order to establish an understanding of whether there is a need for a more structural cooperation in the field of urban mobility, institutes were asked to indicate their interests with regard to cooperation forms and their opinion on whether there is a need for the creation of a dedicated network.

**Question 1.** Are you interested in cooperating with other educational institutes active in the field of urban mobility? (multiple-choice question; total respondents: 56)

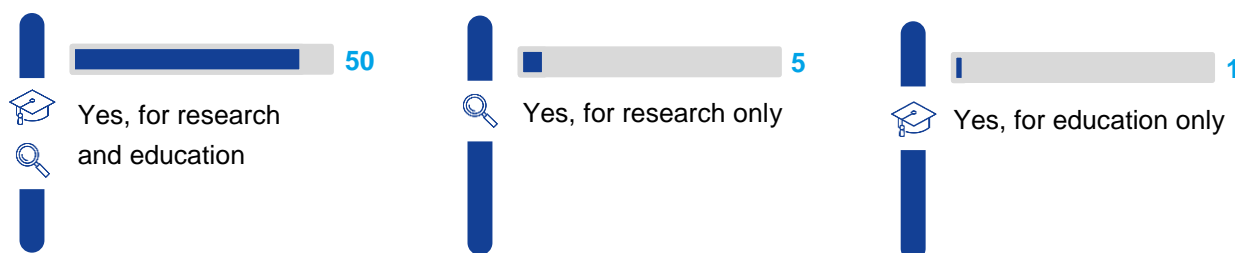


Figure 1. Cooperation interests of respondents.

Almost all respondents have specified that they are interested in cooperating with other institutes both for research and education in the field of urban mobility (90%, 50 respondents). 5 have indicated that they are interested in research cooperations only, and 1 respondent – for education cooperations only.

**Question 2.** Which forms of cooperation would be of most value for your educational institute? (multiple-choice question; total respondents: 56)

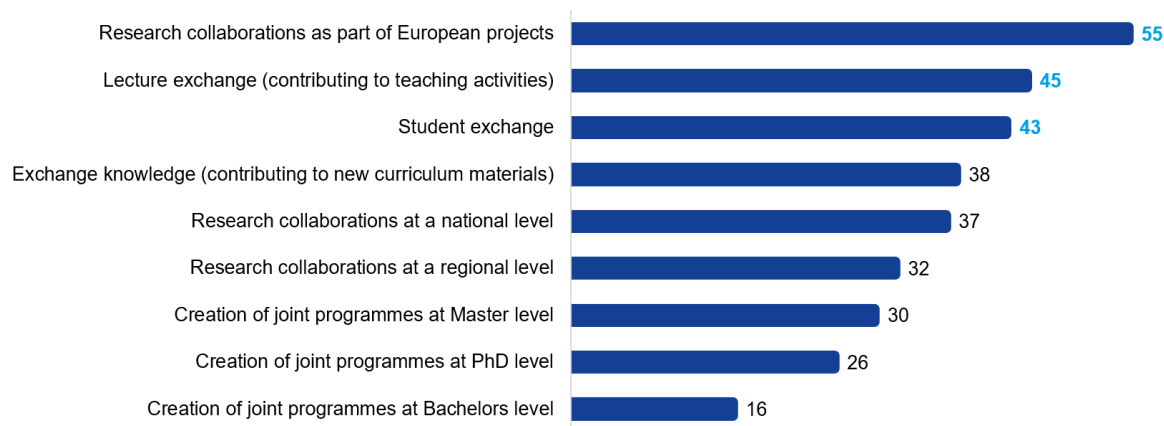


Figure 2. Interest of respondents per form of cooperation.

Respondents have indicated that the most valuable form of collaboration for their institutes would be research collaborations as part of European projects (99%, 55 respondents). 80% of respondents have indicated that their institutes value lecture exchange (45 respondents), and 77% - student exchange (43 respondents). These are followed by knowledge exchange (38), and research collaborations at national (37) and regional level (32). The creation of joint programmes is less preferred, but still an interest to some institutes with the creation of joint Master's programmes being an interest for 30 respondents, joint PhD programmes for 26 respondents and joint bachelor's programmes for 16 respondents.

**Question 3.** Do you see a need for a network of educational institutes active in the field of urban mobility? (multiple-choice question; total respondents: 56)

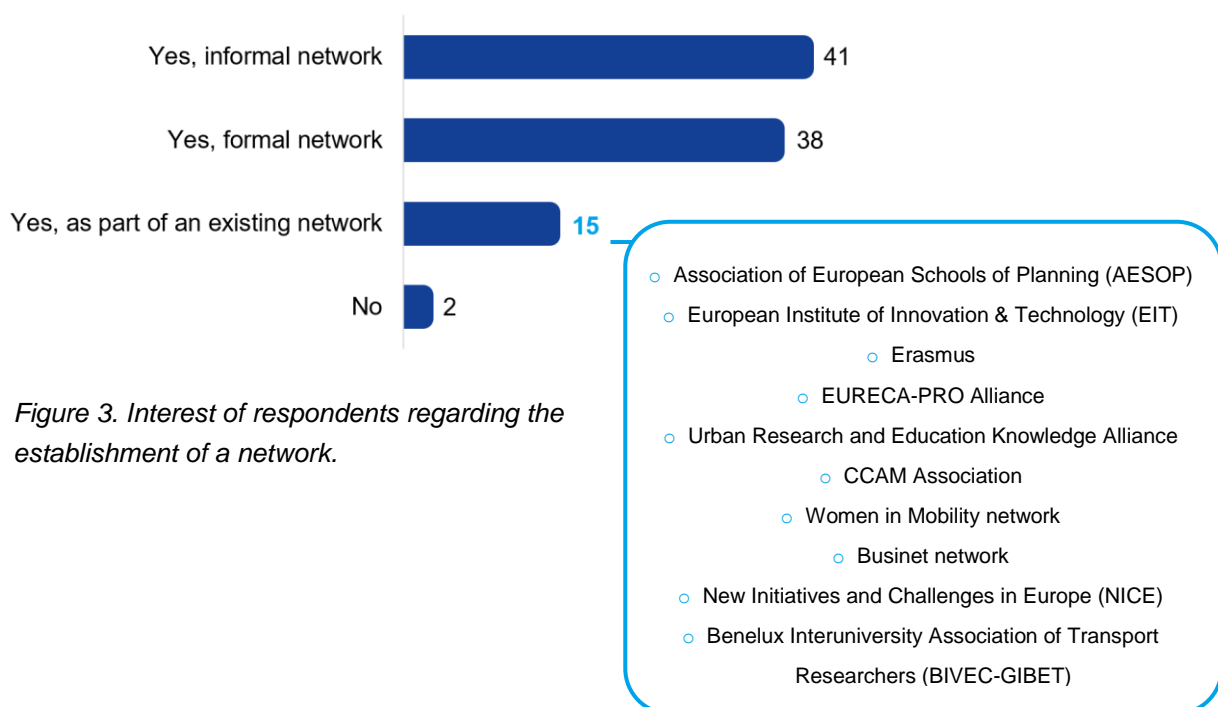


Figure 3. Interest of respondents regarding the establishment of a network.

41 respondents see a need for the creation of an informal network of institutes active in the field of urban mobility (73%). 38 respondents see a need for the creation of a formal network (68%). 15 respondents have indicated that collaborations between institutes on the topic of urban mobility could happen as part of an existing network.

12 respondents have provided examples of existing networks facilitating collaborations on the same or similar topic. 3 of them have indicated the Association of European Schools of Planning (<https://aesop-planning.eu/>), and 2 - European Institute of Innovation & Technology, and particularly, the EIT Urban Mobility ([www.eiturbanmobility.eu/](http://www.eiturbanmobility.eu/)). All given examples are presented in the blue box above.

2 respondents have indicated that there is no need for a network of educational institutes active in the field of urban mobility. However, the majority of the surveyed institutes have expressed interest in the creation of a network.

### Part 3 - Education and research activities in the field of Urban Mobility

This part of the survey aims to gather information about the educational and research activities of the institutes. This data has been used and expanded on when developing the “CIVITAS Catalogue on Education in Urban Mobility”.

#### EDUCATION

Questions 1-6. Educational offers (6 single-choice questions; total respondents:56)

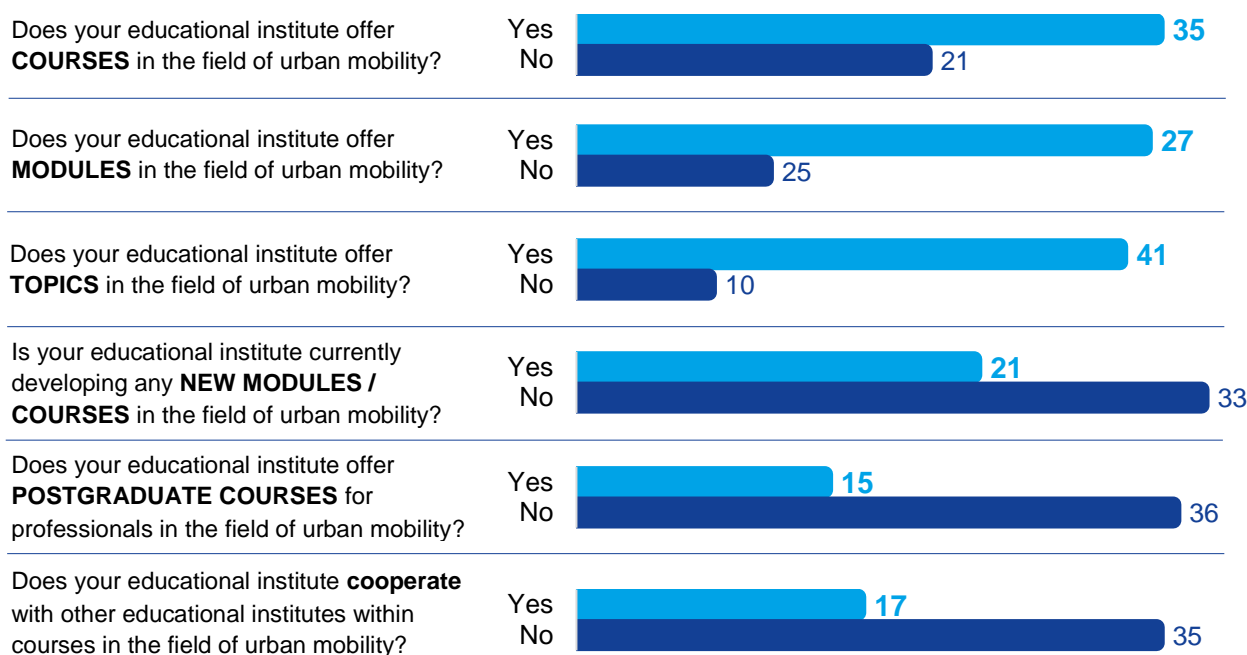


Figure 4. Educational offers in the field of urban mobility.

**COURSE** - the entire programme of studies required to complete a university degree

A total of 35 respondents indicate that their institutes offer courses in the field of urban mobility. Out of them, 20 have provided additional information about the offered courses.

**MODULE** - a self-contained course that usually lasts for one term and covers one subject

27 respondents have indicated that their institutes offer modules in the field of urban mobility. Out of them, 12 have provided additional information about the offered modules – names and weblinks. 4 respondents have not answered the question.

**TOPIC** - a related theme forming part of a module or course

41 respondents have indicated that their institutes offer topics in the field of urban mobility as part of a course/module. 15 of them have provided additional information about the offered topics. 5 respondents have not answered the question.

**NEW MODULES / COURSES** – modules and courses still in development phase

A total of 21 respondents indicate that their institutes are currently developing new modules or courses in the field of urban mobility. Out of them, 5 have provided additional information about the modules/courses currently in development. 2 respondents have not answered the question.

**POSTGRADUATE COURSES** – courses for professionals in the field of urban mobility that contribute to a continuous life-long learning

A total of 15 respondents have indicated that their institutes offer postgraduate courses for professionals. Out of them, 5 have provided additional information about those postgraduate courses. 5 respondents have not answered the question.

**COOPERATION WITHIN COURSES** – courses in the field of urban mobility developed collaboratively with other educational institutes (e.g., joint degree courses)

A total of 17 respondents have specified that their institutes cooperate with other educational institutes within courses in the field of urban mobility. Out of them, 3 have provided additional information about the joint courses offered. 4 respondents have not answered the question.

## RESEARCH

*Question 1. Does your educational institute conduct research in the field of urban mobility? (single-choice question; total respondents: 56)*



Figure 5. Research activities in the field of urban mobility.

52 respondents have specified that their institutes conduct research on the topic of urban mobility. 2 institutes do not conduct research in urban mobility and 2 respondents have not provided an answer to this question.

*Question 2. Is your educational institute part of any research programmes in the field of urban mobility? (multiple-choice question; total respondents: 56)*

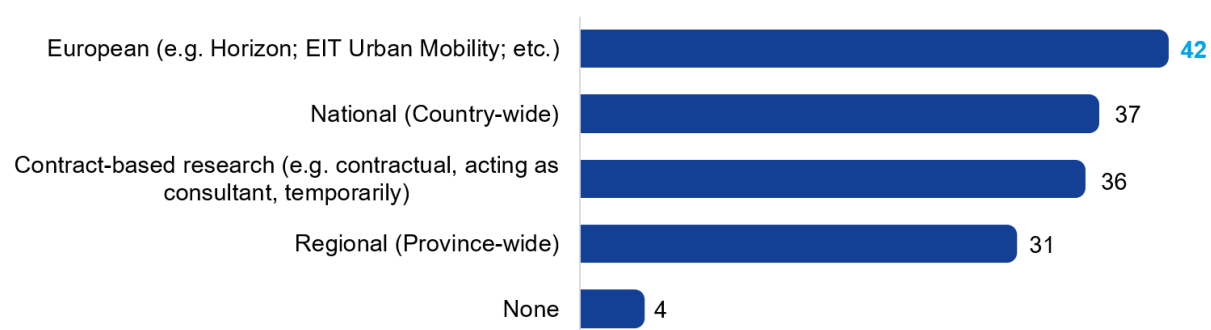


Figure 6. Research programmes institutes are part of.

More than half of the institutes are part of European research programmes in the field of urban mobility (75%, 42 respondents). Many of them also conduct research in the frameworks of national (66%, 37) and regional (55%, 31) programmes. 36 of the respondents have indicated that their institute conducts contract-based research (64%). Only 4 respondents have specified that their institutes are not part of any research programmes on urban mobility.

### ***Key findings***

The majority of respondents have indicated that they are interested in collaborating with other educational institutes on the topic of urban mobility and that they see a need for a network facilitating this. There are a number of respondents interested in each form of collaborations – research, exchange and the creation of joint programmes. Hence, CIVITAS Educational Network has been initiated and has been actively facilitating the cooperation between these institutes by, for example, organizing dedicated meetings where institutes could discuss potential future collaborations. The specific activities the network has been rolling out and the results from those are detailed in the next chapter.

## 3. CIVITAS EDUCATIONAL NETWORK: Activities

### 3.1 Meetings of the network

The network has so far held 9 meetings – 1 hybrid (in-person & online), 1 in-person and 7 online sessions. The sections on the following pages provide an overview of the matters discussed during each meeting. ANNEX IV presents the attendance lists for all meetings of the network. ANNEX V presents the meeting minutes from all online sessions.

The table below elaborates for each meeting the format, venue, date, attendees and number of participating institutes.

Meeting	Format and venue	Date	Attendees	Participating institutes
<b>Kick-off meeting of the network</b>	Hybrid: in-person & online Part of CIVITAS Forum Conference 2021 (Aachen, Germany)	20 October 2021	15 (in-person) & 18 (online)	22
<b>Dedicated Session 1: Student Exchange</b>	Online; MS Teams	17 December 2021	11	9
<b>Dedicated Session 2: Shaping the Network</b>	Online; MS Teams	20 December 2021	18	12
<b>Dedicated Session 3: Knowledge Exchange</b>	Online; MS Teams	12 January 2022	15	11
<b>Dedicated Session 4: Joint Master Programmes</b>	Online; MS Teams	18 January 2022	8	7
<b>General Session 1: March 2022</b>	Online; MS Teams	10 March 2022	21	17
<b>General Session 2: June 2022</b>	Online; MS Teams	2 June 2022	12	11
<b>In-person meeting of the network</b>	In-person Alongside Urban Mobility Days 2022 (Brno, the Czech Republic)	21 September 2022	15	8
<b>General Session 3: November 2022</b>	Online; MS Teams	2 November 2022	17	15

Table 1. Meetings of the network (status December 2022).

### Kick-off meeting of the network (hybrid: Aachen, Germany & online)

The goal of this meeting was to set the scene for the cooperation between institutes active in the field of urban mobility and to have an open discussion with the participants on the future direction of the newly established network. The programme started with a speech by Dr. Marcel Rommerts (Head of Unit, Transport Research, European Climate, Infrastructure and Environment Executive Agency) on the view of the European Commission on the creation of a structural cooperation between institutes active in the field of urban mobility. This was followed by a general presentation about the CIVITAS Initiative, CIVITAS ELEVATE and *Task 4.3 Setting up an Educational Network and facilitating international cooperation*. The short-term ambitions of the network (in 1 year) were framed: successful running of a couple of trial activities with partner universities with the support of CIVITAS ELEVATE. The long-term ambitions of the network (in several years' time) were framed: self-sufficiency of the cooperation between the partner universities in the organization and management of cooperation activities. The results of the entry survey were presented – forms of cooperation of interest to the participating institutes & the interest regarding the creation of a network.

An open discussion was held regarding the future direction of the network in terms of priority cooperation forms, governance, barriers and opportunities. The following elements were stressed as important for the future direction of the network:

- Development of an identity – focus, strategy, goal, name, branding, etc.
- Possible cooperation forms could be both in-person and online – e.g., online lecture exchange, in-person summer schools or hackathons, development of joint programmes, exchange of materials/teaching methods.
- Possible barriers for various cooperation forms – language, funding, organizational / administrative (e.g., recognition of each other's ECTS when exchanges between different types of universities are concerned).
- Possible opportunities for various cooperation forms – local/national cooperations to avoid distant travelling, online exchange options, creation of an online platform facilitating cooperation (marketplace, library – learning community).
- Importance of self-sustainability - find a governance model for this network, without linking to existing networks.
- Option to connect to already existing network to have a wider outreach.
- Make use of existing financial instruments to facilitate cooperations.



Figure 7. Kick-off meeting of the network as part of CIVITAS Forum Conference (Aachen, Germany) on 20 October 2021.



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### **Dedicated Session 1: Student Exchange (online)**

The goal of this meeting was to explore the ideas and interests of institutes regarding the initiation of student exchange activities, and to establish contact between them for future cooperations. Firstly, a general introduction round and discussion was held to establish an understanding of each institute's interests regarding student exchange. It has been stressed that student exchange is useful to both students and universities in terms of exchanging knowledge on the ways urban mobility issues are approached which could be different for each country / nationality. However, student exchange is not only about knowledge, but also about enabling individuals to experience different cultures both socially and academic. Next, the drivers, barriers and solutions to those were discussed.

### **Dedicated Session 2: Shaping the Network (online)**

The goal of this meeting was to discuss the ways the university network can be further shaped in terms of objectives, format and concrete actions which will be taken. Firstly, a general introduction round and discussion was held to shape the direction and objectives of the network. A brainstorm session took place regarding the mission of the network. Some suggestions include:

- *Holistic approach*: involving all stakeholders, tackling different countries, regions (not only city cores), solutions which are holistically integrated in the curriculum
- *International approach*: learning from the different experiences, views and solutions
- *Interdisciplinary approach*: tackling the gap between technical, planning & societal perspective
- *Synergy*: creation of a curriculum that brings synergy in understanding urban mobility - standardization of terminology and interdisciplinary approach
- *Gap bridging*: bridging the gap between market needs and university offerings; tackling the gap between technical and planning perspective

Next, the organizational structure of the network was discussed. It has been decided to hold regular meetings online (each 2 months) via Teams and to continue with the four task forces. The creation of an online platform of the network was discussed. Following this meeting, BUAS has taken the responsibility to shape the mission of the network according to the discussion with the institutes and to discuss with ICLEI the creation of a dedicated webpage as part of the CIVITAS website. Institutes have been asked to share their urban mobility activities with BUAS, so they can be placed as news/ announcements on the future webpage of the network.

### **Dedicated Session 3: Knowledge Exchange (online)**

The goal of this meeting was to explore the ideas and interests of institutes regarding the initiation of knowledge exchange activities, and to establish contact between them for future cooperations. An introduction round took place where each institute mentioned their educational and research offerings. Next, institutes indicated the areas within urban mobility they are interested to exchange knowledge on. Finally, the potential barriers to knowledge exchange cooperations were discussed. During this meeting, it was agreed that institutes will share their guest lecture offers to be distributed among all other institutes.

### **Dedicated Session 4: Joint Master Programmes (online)**

The goal of this meeting was to establish an understanding of the types of joint master programmes institutes are interested in facilitating and to make a link between them for future cooperations. It has been established that the creation of such programmes is beneficial to both students and lecturers in terms of learning from each other and increasing the current course offerings. It has been agreed to prioritize the creation of joint master's programmes and to distribute information among all institutes about the existing joint master offers.

### **General Session 1: March 2022 (online)**

The goal of this meeting was to familiarize the participating educational institutes with the CIVITAS Fresh Brains programme, as well as to come to an agreement on the future steps in the development of the specific working groups.

Next, two partner institutes pitched their educational and research offers, namely:

- FH JOANNEUM University of Applied Sciences (Austria), presented by Martijn Kiers;
- University of Pardubice (Czech Republic), presented by Jiří Pašek.

The final part of the meeting was dedicated to specific updates related to the educational network. The progress with the CIVITAS Catalogue on Education in Urban Mobility was reviewed next to the progress with the official webpage of the network. The meeting continued with a brainstorming session about a joint student activity to be organized through the network during the European Year of Youth 2022 and an announcement of the Mobility Powered by the Youth Conference. The meeting closed with some discussions around the future direction of the network. It has been decided to only hold general meetings in the future, meetings of the working group dedicated to the creation of joint masters, and dedicated meetings on a needs basis.

### **General Session 2: June 2022 (online)**

The goal of this meeting was to present some important announcements from various institutes and come to an agreement about concrete future steps of the network.

The meeting began with two university pitches of the educational and research offers of:

- Technical University of Crete (Greece), presented by Theocharis Tsoutsos;
- Hasselt University (Belgium), presented by Patricia Hellriegel.

Next, University of Pardubice presented the Erasmus+ Call Alliances for Innovation for which they were looking for project application partners. Next, Breda University of Applied Sciences presented and invited all institutes to the Urban Mobility Days 2022 and Mobility Powered by the Youth Conference. Universities were also invited to be participants of the opening and closing plenary of the Mobility Powered by the Youth Conference.

### In-person meeting of the network (Brno, the Czech Republic)

The in-person meeting took place in the form of an official dinner at restaurant Borgo Agnese in Brno, the Czech Republic on 21 September 2022. Attendees of this meeting were representatives from 8 institutes part of the network, Edwin Mermans (Province of North Brabant, participant at the closing plenary of Mobility Powered by the Youth Conference) and Dr. Octavia Stepan (CINEA, moderator of session two and participant at the closing plenary of MPY Conference). The goal of the meeting was to discuss future cooperation opportunities with the partners and involve the European Commission into thinking alongside the partner universities in shaping those.

In the beginning of the meeting, University of Pardubice introduced one of their new master study programmes in English “*Transport Operations Management*”. Next, University of Zagreb introduced their 2<sup>nd</sup> *International Conference Public Transport & Smart Mobility PTSM 2022* (<https://www.fpz.unizg.hr/ptsm/>). The meeting was concluded with a lively discussion on the future collaboration opportunities within the CIVITAS Educational Network. The points discussed are presented below:

- CIVITAS fellowship fund (to finance students’ movements)
- Connection to Erasmus +
- Create a publication repository for members of the network
- CIVITAS scholarship (2 positions as a beginning)
- Connection, at least thematically, with other EU initiatives
- Bilateral/multilateral cooperation (MoUs for staff & students exchange)
- Horizon calls (direct involvement of young researchers - Young Advisory Board)



Figure 8. In-person meeting of the network alongside Urban Mobility Days 2022 (Brno, the Czech Republic) on 21 September 2022.

**General Session 3: November 2022 (online)**

This meeting began with a presentation of:

- Roma Tre University, and particularly, the research activities of its Transport Research Lab (TRElab) by Giacomo Lozzi.

This was followed by some general updates. The results from the Mobility Powered by the Youth (MPY) Conference and the in-person network meeting during the Urban Mobility Days 2022 in Brno were presented. Network members who participated in the programme of MPY shared their impressions. Next, a discussion was held around the future collaboration opportunities list which came out as a result of the in-person meeting in Brno. It was proposed to add “Offering Blended Intensive Programmes (BIP) – combination of a short physical mobility with virtual mobility for students and staff” to this list. Institutes were invited to add other proposals to the list via email. The published CIVITAS Catalogue on Education in Urban Mobility was also presented during the meeting and institutes were invited to bilaterally contact BUAS for additional educational offers they would like to add to this living document.

The meeting was concluded with a discussion on the future of the educational network beyond the current CIVITAS 2020 Coordination and Support Action (CIVITAS ELEVATE) which ends in March 2023. In line with that, it has been decided that BUAS as the leading party of the network will focus its efforts in the upcoming months to investigate the potential future operational and financial model of the network. An option to have an in-person meeting of the network in Breda in February 2023 was discussed and agreed upon.

## 3.2 CIVITAS Catalogue on Education in Urban Mobility

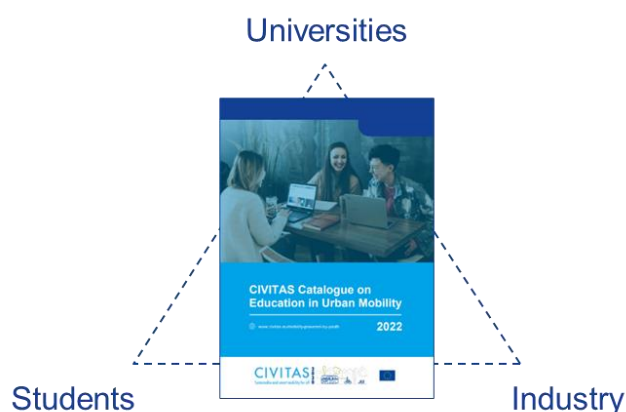
One of the major milestones the CIVITAS Educational Network has achieved is the development and publication of the first-of-its-kind *CIVITAS Catalogue on Education in Urban Mobility*. This catalogue is a public living document which is available on the webpage of the CIVITAS Educational Network: <https://civitas.eu/education-catalogue>. It provides an overview of educational offers in (or related to) urban mobility, offered by educational institutes all across Europe. By living document, it is meant that it will be continuously updated throughout the years with new offers and will be kept up-to-date in collaboration with the members of the CIVITAS Educational Network.

The criteria for offers to be featured in this document are as follows:

- They need to be educational offers from educational institutes part of the CIVITAS Educational Network.
- They need to be focused on, or related to the topic of urban mobility.
- Offers do not necessarily need to target students only; offers could target a wider group, such as professionals in the field of mobility.

The current version of the catalogue (published in the beginning of October 2022) provides an overview of 72 offers from 32 educational institutes spanning over 27 cities in 19 European countries. The structure of the document allows students, university representatives, industry stakeholders and any other interested parties to navigate easily through the offers.

The catalogue begins with an introduction featuring a map pinpointing all of the cities where the universities present in this catalogue are located. Then, readers can choose to navigate through the study offers presented per country (chapter 2), or per type (e.g., bachelor`s and master`s degrees; chapter 3). These chapters feature tables of the offers and when clicking the underlined name of a particular study programme, readers are directed to the detailed fact sheet of it. The images on the following page show an example of the structure of these tables.



### CIVITAS Catalogue on Education in Urban Mobility (status December 2022)



**72**  
educational  
offers



**32**  
educational  
institutes



**19**  
countries  
**27**  
cities

Study offers per country tables (example):

## AUSTRIA

University name	City	Type of offer	Language(s)	Duration ECTS
FH Joanneum GmbH University of Applied Sciences	Kapfenberg	Master's degree in <u>Energy and Transport Management:</u> <u>Mobility Technologies</u>	English	2 years 120 ECTS

## BELGIUM

University name	City	Type of offer	Language(s)	Duration ECTS
Hasselt University	Hasselt	Master's degree in <u>Transportation Sciences</u>	English	2-3 years 120 ECTS
Ghent University	Ghent	Master's degree in <u>Industrial Engineering and Operations Research: Transport and Mobility Engineering</u>	English	2 years 120 ECTS
		Master's degree in <u>Geography and Geomatics: Urban Geography</u>	Dutch	2 years 120 ECTS

Study offers per type tables (example):

## BACHELOR'S DEGREE PROGRAMMES

Name of programme	University name	Country	Language(s)	Duration ECTS
<u>Logistics and Mobility</u>	University North	Croatia	Croatian	3 years 180 ECTS
<u>Sustainable Urban Development</u>	Tampere University	Finland	English	3 years 180 ECTS
<u>Railways, Roads and Bridges</u>	Technical University of Moldova	Moldova	Romanian	4 years 240 ECTS
<u>Built Environment: Mobility</u>	Amsterdam University of Applied Sciences	The Netherlands	Dutch	3-4 years 240 ECTS
<u>Built Environment</u>	Breda University of Applied Sciences	The Netherlands	English	4 years 240 ECTS
<u>Transportation and Traffic Engineering</u>	Polytechnic University of Timisoara	Romania	Romanian	4 years 180 ECTS
<u>Urban Engineering and Regional Development</u>	Technical University of Civil Engineering Bucharest	Romania	Romanian	4 years 240 ECTS
<u>Spatial Planning</u>	Slovak University of Technology in Bratislava	Slovakia	Slovak English	3 years 180 ECTS

Chapter 4 features the detailed fact sheets of each study offer. The image below shows an example of the structure and contents of these fact sheets.

*University fact sheets (example):*

**FH Joanneum GmbH**  
University of Applied Sciences

Kapfenberg, Austria

<https://www.fh-joanneum.at/en/institut/energy-transport-and-environmental-management/>

**FH | JOANNEUM**  
University of Applied Sciences

## MASTER'S DEGREE

### Energy and Transport Management: Mobility Technologies

The integration of new forms of mobility, high pollution levels and increasing pressure on existing mobility infrastructure are confronting regions and cities with major challenges for the future. Strategies to develop and manage modern mobility systems need to be developed if we are to ensure that cities remain liveable for generations to come. During your studies you focus on modern traffic simulations, international mobility trends and innovative scenarios. If you are striving for a career which focuses on modern mobility management, then this degree programme prepares you for tomorrow's world of work.

- 
- 
- 
-

Department of Building, Energy & Society

2 years | 120 ECTS

English-taught

Highlights:

- ✓ Part of the Erasmus programme.
- ✓ The courses can be chosen as separate modules.

#### Key areas covered

- ✓ **Active mobility**
- ✓ **Behavioural change & mobility management:** Psychological and Social Aspects on Mobility Behaviour, Trends in International and Urban Mobility.
- ✓ **Clean & energy-efficient vehicles:** Autonomous Driving Technologies and Impacts; Advanced Traffic Technologies; Environmental Chemistry and Emission Control.
- ✓ **Collective passenger transport & shared mobility:** Trends in International and Urban Mobility; International Aspects of Traffic Law; Public Transport Operation.
- ✓ **Demand & urban space management**
- ✓ **Integrated & inclusive planning**
- ✓ **Public participation & co-creation:** Strategic Management - Cases in international Business (Success and Pitfall Studies); Advanced Harvard Case Studies in Sustainable Management.
- ✓ **Road safety & security:** Advanced Traffic Technologies; Traffic Safety Aspects.
- ✓ **Smart & connected mobility:** Advanced Traffic Technologies; Automation and Control - Energy and Transport; Big Data Security and Safety Aspects; Autonomous Driving Technologies and Impacts; International Aspects of Traffic Law.
- ✓ **Urban logistics:** International Traffic Management and Transport Logistics.

Information about the offers presented in the catalogue has been collected via university representatives and via open-source data from the official websites of the institutes. Already in the beginning of 2022, BUAS developed a structure for the fact sheets which was in the form of an Excel sheet. The Excel sheets were pre-filled with open-source information about the study programmes and with information collected through the entry survey responses. Then, BUAS sent out the pre-filled Excel sheets to the educational institutes bilaterally which were asked to complete the forms with the missing information. Currently, a new collection of offers is being prepared to be added to the catalogue in cooperation with institutes part of CIVITAS Educational Network.

### 3.3 Webpage of the network

#### *Development of the webpage*

Following the dedicated network sessions in January 2021 and December 2022, the need for the development of a webpage of the CIVITAS Educational Network was identified. For this reason, BUAS initiated several meetings with ICLEI (project partner of CIVITAS ELEVATE responsible for the maintenance of the official CIVITAS website) to discuss the potential creation of a webpage on the CIVITAS website dedicated to the educational network. As a result of these meetings, ICLEI came up with a webpage "mock-up" helping to visualize what the page could look like. Since there was an already existing webpage dedicated to the CIVITAS Fresh Brains Programme, it was decided to use the same page and expand it further with information about the educational network. Both of these initiatives are now presented on a single webpage under the section "Mobility Powered by Youth" under tab "Community": <https://civitas.eu/mobility-powered-by-youth>.

For the CIVITAS activities under the headline "*Mobility Powered by Youth*", which include the CIVITAS Educational Network, the Fresh Brains programme and the Mobility Powered by the Youth Conference, the project partner of ELEVATE – ICLEI – has developed several variations of the "*Mobility Powered by Youth*" logo. These can be used in official communication regarding all CIVITAS matters related to the youth and the educational network.



Figure 9. "Mobility Powered by Youth" logo developed by ICLEI.

The part of the webpage dedicated to the CIVITAS Educational Network features the following:

- Link to the CIVITAS Catalogue on Education in Urban Mobility;
- News and Open Calls section with an option to submit an article/event;
- CIVITAS Educational Network – about section with a description of the network mission, activities and a map visualizing the location of partner institutes with links to their official websites;
- How to join section.

This is followed by the Fresh Brains Programme part with a general description of the programme, its activities and two FAQ sections. The end of the webpage features the contact details for the CIVITAS Educational Network and the Fresh Brains Programme.

The webpage text of the CIVITAS Educational Network was developed by BUAS in accordance with the discussions on the mission development held by institutes during Dedicated Session 2: Shaping the Network. For the creation of the map on the webpage, BUAS prepared a database of the institutes part of the network, their coordinates and official



websites. This was then sent to representatives from ICLEI who developed the map with this information. There were several discussions during the online network meetings about the development of an internal (private) working space for members of the network. This has not been achieved yet and could be a next step for the future development of the network. This could, for example, feature space to post announcements internally and a knowledge bank with research and educational outputs (shared files repository).

### **News and Open Calls submissions**

The “*News and Open Calls*” section of the webpage contains a total of 17 shared items. These are announcements, calls, events invitations, etc. which have been published by either project partners of CIVITAS ELEVATE, CIVINETs, members of the educational network or youth representatives and are publicly available to all visitors of the webpage. The goal of adding this section to the webpage was to increase the visibility of the urban mobility activities and offers of member institutes.

Educational institutes can submit content for this section via the CIVITAS webpage “*Share your content*” (<https://civitas.eu/share-your-content>). Writers of content should also include the tag “*youth*” when submitting their items, so they land on the Mobility Powered by Youth webpage.

The table below provides an overview of the news and open calls items published on the webpage. Some of these contents are no longer featured on the webpage.

Type of author	Institute	# of items shared	Titles of items
<b>CIVITAS Educational Network partner institutes</b>	Breda University of Applied Sciences (NL)  (also ELEVATE project partner)	4	<ul style="list-style-type: none"> <li>- Use the 'CIVITAS Catalogue on Education in Urban Mobility' to hone your skills as an urban mobility leader</li> <li>- Apply now to be a youth speaker at the CIVITAS Mobility Powered by the Youth conference!</li> <li>- CIVITAS Educational Network hosts March General Session</li> <li>- Urban Mobility Incubation Workshop in Brno</li> </ul>
	University of Pardubice (CZ)	2	<ul style="list-style-type: none"> <li>- CIVITAS Education Network member presents the CityGO project</li> <li>- Opportunity: University of Pardubice seeks partners to develop joint master's programmes</li> </ul>
	University North (HR)	1	<ul style="list-style-type: none"> <li>- CIVITAS Educational Network introduced at SuTra conference</li> </ul>
<b>CIVITAS Educational Network</b>	Tampere University (FI)	1	<ul style="list-style-type: none"> <li>- New MSc programme at Tampere Universities prepares sustainable transport leaders</li> </ul>

<b>partner institutes</b>	Satakunta University of Applied Sciences (FI)	1	- Finnish employment platform connects regional organisations with international students
	University of Amsterdam (NL)	1	- Enroll now: Urban Mobility Future online courses at University of Amsterdam
	Institute for Advanced Architecture of Catalonia (ES)	1	- Applications open for IAAC's Master in City & Technology 2022 Industry Scholarship!
	Zaragoza Logistics Center (ES)	1	- PhD Summer Academy in Zaragoza, Spain
	Hasselt University (BE)	1	- International Symposium on Transportation in Emerging Countries (ISTEC)
<b>Submissions by the youth</b>		2	- Youthful reflections on the CIVITAS Summer Course - Youthful reflections on the CIVITAS Winter Course
<b>CIVITAS ELEVATE project partner</b>	ICLEI	3	- Help us choose the winner of the CIVITAS Young Champion Award - Applications now accepted for the CIVITAS Young Champion Award! - Youth in the drivers' seat in 2022
	Mobieli 21	1	- Discover the Mobility Powered by the Youth programme
	DTV Consultants	2	- New CIVITAS e-courses have launched! - Save the Date: the CIVITAS summer course is taking place 18-21 July
<b>CIVINETs</b>	CIVINET Slovenia-Croatia-SEE	2	- CIVINET Slovenia-Croatia-SEE increases youth engagement - CIVINET workshop in Slovenia focuses on effectively evaluating SUMP

Table 2. Overview of news and open calls items published on the educational network webpage.

In addition to the announcements, news and open calls shared via the webpage, institutes regularly share such via email internally to the educational network contacts. Often, BUAS compiles an email with announcements and updates collected from all institutes which have shared such with BUAS, and sends it to all contacts of the network. This has helped to stimulate collaborations internally, while the webpage is used more for achieving wider outreach of the urban mobility activities and offers of institutes.

## 3.4 Wider outreach and facilitated cooperations within the network

### *Wider outreach of the network and its members*

The network has already managed to achieve a significant outreach beyond the CIVITAS community. The network contact persons from BUAS are regularly approached by institutes interested in joining the network and its activities. Furthermore, the creation of the CIVITAS Mobility Powered by Youth webpage allows to have external visibility of its mission, activities, and members. The entry survey is already receiving additional requests to join the network without being shared bilaterally to external institutes. All of these requests are processed by BUAS and the new members are included in the mailing list of the network, thus, receiving all updates, announcements and meeting invites.

Next to this, the CIVITAS Catalogue on Education in Urban Mobility allows for greater visibility of the educational offers of partner institutes. The catalogue has been shared via the CIVITAS Initiative communication channels, and has been further distributed by partner institute representatives.

The network, its activities and members have already been introduced at two conferences:

- *Mobility Powered by the Youth (as part of Urban Mobility Days Conference 2022)*

Mobility Powered by the Youth ([www.civitas.eu/mpy-2022](http://www.civitas.eu/mpy-2022)) is a youth-centred Conference which took place on 20 September 2022 as part of the Urban Mobility Days Conference in Brno, the Czech Republic. The programme of the conference featured representatives of six member institutes of the CIVITAS Educational Network. Already in May 2023, a Call for Speakers and Youth Rapporteurs for the conference was distributed among the network partners. The call resulted in a total of 32 applicants, 16 of whom were representatives of partner institutes of the educational network. BUAS also announced an open call to all contacts of the network for participants in the opening and closing plenary.

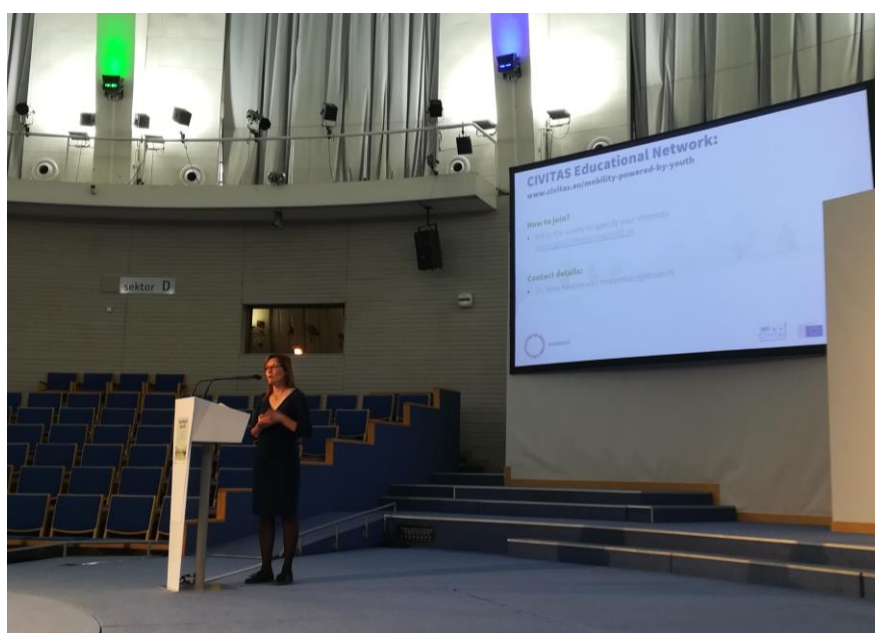
During the opening plenary, Dr. Nina Nesterova (Breda University of Applied Sciences) presented the CIVITAS Educational Network and invited all institutes attendees of the conference to join the network if they are not yet part of it. She also announced the upcoming publication of the CIVITAS Catalogue on Education in Urban Mobility and detailed its contents. Following that, Prof. Dr. Theocharis Tsoutsos (Technical University of Crete) delivered a presentation on the ways the youth shapes and powers the future of mobility. Dr. Giacomo Lozzi (Roma Tre University) was also involved in the programme as a moderator of session 1 and a participant in the closing panel discussion.

In addition to that, four out of the six youth representatives (PhD and master`s students) presenting their urban mobility projects were from institutes members of the CIVITAS Educational Network, namely:

- Hannes Delaere (Vrije Universiteit Brussel, Belgium),
- Gabriele Iannaccone (Roma Tre University, Italy),
- Sheba Nair (Tampere University, Finland),
- Jennifer Hostland (FH JOANNEUM University of Applied Sciences, Austria).



*Figure 10. Participants in Mobility Powered by the Youth Conference: (Brno, the Czech Republic) - 21 September 2022.*



*Figure 11. Dr. Nina Nesterova (Breda University of Applied Sciences) presenting the CIVITAS Educational Network.*

- *International Conference on Sustainable Transport (SuTra) 2022 in Opatija, Croatia*

CIVITAS Educational Network was showcased as part of the panel “*Opportunities for Connecting the Academic Community and the Economy for Scientific and Professional Projects*” and institutes attendees of the conference were invited to join the network.



Figure 12. Presentation of the CIVITAS Educational Network during International Conference on Sustainable Transport (SuTra) 2022 in Opatija, Croatia.

### **Stimulating internal collaborations**

The network has been stimulating collaborations between the partner institutes in various ways. After each meeting, BUAS shares the meeting notes and compiles an email with all news, open calls and announcements from the partner institutes. During each meeting, several partner institutes present their research and educational offers followed by a discussion on collaboration opportunities. The presentations of each institute are shared among all network members allowing them to review the offers and, in case of interest, to contact the presenting institute for future collaborations.

There have also been three dedicated sessions on knowledge exchange, student exchange and joint master's programmes allowing the participating institutes to establish connections with others interested in the same form of collaboration.

The publication of the catalogue has been another crucial step in establishing an overview of the offers of partner institutes which can now review the offers of others and see where collaborations are possible based on the unique offerings of each institute.

A clear example of the successful stimulation of collaborations within the network has been provided by University of Pardubice (CZ) in recent email communication (22 September 2022):

Dear colleagues,

Let me add an appreciation not only to the excellent dinner last night, but more important to the ongoing great cooperation and the value CIVITAS network brought to our institution.

Soon after we presented our university / faculty in one of the online meetings this year we started to receive emails from the CIVITAS network partners with similar fields of study and as the result of that we already **signed one new Erasmus+ agreement with the Technological University in Dublin, Transport and Aviation, School of Transport and Civil Engineering, Ireland in June 2022 and another one is hopefully due to be signed soon with FH JOANNEUM, Institute for Energy, Traffic and Environmental Management in Kapfenberg, Austria.** With these institutions we intend to negotiate a possible joint master degree collaboration in future.

The one named "Transport Operations Management" I introduced to you all yesterday is attached in jpg in this email now. More details to the program can be provided upon request.

Where at the same time the effect of the CIVITAS network connectivity was manifested was when we announced a call for a joint Erasmus+ project submission and soon we received positive feedback from institutions we didn't know before. Although that submission did not come, we can follow up on this initiative in the case of other projects in the future.

Thank you and let's stay in touch.

Best regards,

*Ing. Jiří Pašek (International Office Coordinator)*

*Faculty of Transport Engineering, University of Pardubice*

## 4. CIVITAS EDUCATIONAL NETWORK: Future outlook

### 4.1 Scan of other educational networks

The CIVITAS Educational Network is in the pursuit of a long-term self-sufficiency and successful operation even beyond the CIVITAS ELEVATE project, the current CIVITAS 2020 Coordination and Support Action which ends in March 2023.

To identify ways this could be achieved, this chapter explores the operational and financial models of educational networks in different domains which have been existing for a longer period of time and could demonstrate some key lessons the CIVITAS Educational Network could benefit from. Information about these networks has been collected through desk research (consulting their official websites). All of the sources used for this scan are listed under the 'References' section.

The selection of the networks to be featured has been done on an arbitrary basis, however, with the goal in mind to have a representation of various operational, governance and financial models.

The chapter provides a scan of the following partnerships:

Type of partnership	Partnership name	Scale
Associations	Benelux Interuniversity Association of Transport Researchers (BIVEC-GIBET)	Benelux area
	European Forum of Logistics Education (EFLE)	European
	Association of European Schools of Planning (AESOP)	European
	Businet – global higher education network	Global
Consortiums under the Horizon2020 and/or Erasmus+ programmes	Aurora European Universities	European
	EURECA-PRO Alliance	European
	Young Universities for the Future of Europe (YUFE)	European

Table 3. Overview of the scanned networks in other domains.

## Benelux Interuniversity Association of Transport Researchers (BIVEC-GIBET)

**BIVEC - GIBET**

Website: <https://www.bivec-gibet.eu/>

Contact information (general): [www.bivec-gibet.eu/contact2/](http://www.bivec-gibet.eu/contact2/)

Type of partnership: association

### Goals and activities

Founded in 1977, Benelux Interuniversity Association of Transport Researchers (BIVEC-GIBET) unites both academic staff and professionals qualified in transport-related fields. The association has about 100 individual members (professors, lecturers, pre-/post-docs, researchers) from all major universities, university colleges, knowledge centres and profession transport organisations located in Belgium, the Netherlands and Luxembourg. Biannually, members organize the Transport Research Days, a conference offering young and established scholars from the Benelux area an opportunity to present their research findings. Also, every two years BIVEC-GIBET awards its Transport Chair to an individual who has made an important scientific contribution related to transport and mobility within Europe. In the context of this award, several lectures are organised.

### Operational, governance and financial model

The highest body of the organization is the General Assembly composed of all members and meeting once a year. There are seven people responsible for the daily operations, including a chairman, three vice-chairmen, a treasurer, secretary and webmaster. They are also part of the board of directors with others assembling four times a year. There are three types of membership options:

- Effective members (€50 / year) – academics and researchers active in transport fields from institutes in the Benelux area,
- Collective members (€1250 / year) – Organisations involved in transport-related scientific activities,
- Associated members (€250 / year) – members from outside the Benelux countries.



## European Forum of Logistics Education (EFLE)

Website: <https://www.efle.eu/>

Contact information (general): [contact@efle.eu](mailto:contact@efle.eu)

Type of partnership: association



### Goals and activities

EFLE aims to enhance international awareness and knowledge sharing amongst teachers, researchers, administration and students of educational institutions in the field of Logistics, Transport and Supply Chain Management. There are 18 participating institutions from France, Germany, Belgium, the Netherlands, Denmark and Finland. EFLE enables teaching practices and joint learning exchange, and supports curriculum development, collaborative research and student exchange. They also organize an annual EFLE Conference for networking, company visits, and sharing information about the research, educational and student activities of EFLE.

### Operational, governance and financial model

EFLE was founded already in 1993, but in 2021, it was officially registered as an association in Nijmegen, the Netherlands. Members of the network can be legal entities (educational institutions), natural persons (private persons) and members of merit. To apply to be a member, one is required to fill in an online form on the website of EFLE. Membership is obtained by a decision for admission taken by the secretary on behalf of the board. For legal entities, there is a one-time registration fee of €150, and an annual membership fee of €250. For natural persons, there is only an annual membership fee of €50.

EFLE consists of an EFLE Board with a chairman, a secretary, a treasurer and a maximum of two members. There are also board members responsible for a certain area: Education, Research, Annual Conference, Contacts and Public Relations and Administration. The board meets at least once every two months.

## Association of European Schools of Planning (AESOP)



Website: <https://aesop-planning.eu/>

Contact information (general): [secretariat@aesop-planning.eu](mailto:secretariat@aesop-planning.eu)

Type of partnership: association

### Goals and activities

AESOP was founded in 1987 as a non-profit association. It has more than 150 members and represents the planning schools of Europe. AESOP enters its expertise and resources into debates and initiatives regarding planning education and planning qualifications of future professionals. AESOP promotes its agenda with professional bodies, politicians and all other key stakeholders in spatial and urban development and management across Europe. There are 18 working groups on different thematic areas with a corresponding coordinator (individual person), for example, Planning Education, New Technologies & Planning and Public Spaces, and Urban Cultures.

### Operational, governance and financial model

AESOP is governed through:

- *AESOP Executive Committee (ExCo)*: meets at least twice a year to secure the aims of the AESOP Charter and to implement the policies of AESOP as expressed in the General Assembly or by the Council of Representatives.
- *Council of Representatives (CoRep)*: a body elected by full members which defines the policies and programmes of the Association and elects the Officials of AESOP.
- *General Assembly*: acts as formal means of consultation, discusses planning education, research and practice issues and considers the activities and general policy of the Association.

There are 6 membership options, namely, Full member (€600 / year), Associate member (€300 / year), Affiliate member (€300 / year), Corresponding member (€150 / year), Individual member (€150 / year), and Honorary member. Applications are possible through the official website and are decided on during the meetings of the Executive Committee.

## Businet – global higher education network

Website: <https://www.businet.org.uk/>

Contact information (general): [businet@gmx.com](mailto:businet@gmx.com)

Type of partnership: association



### Goals and activities

Established in 1987, Businet currently has 141 members (educational institutes) in 35 countries from across the world. It is a network of higher education institutes that share a common ethos regarding internationalization. Its goals are to assist institutes with their transnational activities, promote international curriculums for business students, provide opportunities for further professional development for staff, and meet the needs of the labour market for employees with appropriate business knowledge, linguistic and work-related skills. Businet members organize an annual student conference and a general Businet conference. There are a total of 14 working groups on topics, such as Entrepreneurship, Tourism and Supply Chain Management.

### Operational, governance and financial model

The network is governed by the Board of Management consisting of a President, a General Manager and three Board Members. The President and Board Members are elected for a three-year period at the annual general meeting of the network (held at the annual conference). The General Manager is an appointed post and the position is reviewed annually.

Membership applications are submitted via the official website of Businet. Membership fees are determined by the geographical location of the institute and when payment is made. There are four types of membership:

- For institutes located in the EU and EEA area: early bird (€630 / year) and after deadline (€780 / year),
- For institutes located in the wider European area: early bird (€350 / year) and after deadline (€440 / year),
- For institutes located in the rest of the world: early bird (€250 / year) and after deadline (€300 / year),
- Associate members (€250 / year).

## Aurora European Universities



*Website:* <https://aurora-universities.eu/>

*Contact information (general):* [info@aurora-network.global](mailto:info@aurora-network.global)

*Type of partnership:* consortium under the Horizon2020 and Erasmus+ programmes as one of the alliances of the European Universities Initiative

### Goals and activities

Aurora was formed in 2016 as a consortium of like-minded and closely collaborating research-intensive European universities who use their academic excellence to drive societal change and contribute to the sustainable development goals. There are 10 universities partnering in the Aurora consortium. Aurora has four strategic priorities, each having its own working group: Diversity & Inclusion, Societal Impact and Relevance of Research, Innovation of teaching and learning and Students.

The website features a “Virtual Campus” section:

<https://aurora-universities.eu/virtual-campus> with the following information:

- an overview of courses offered at the member institutes,
- a community vault with educational resources,
- an overview of participation opportunities list (events, trainings, etc.),
- Aurora Doctoral Pool dedicated to support for doctoral researchers, and
- “Understanding Europe” and “Sustainability & Climate Change” joint interdisciplinary programmes (each 30 ECTS) offered by Aurora universities.

### Operational, governance and financial model

Aurora receives financial support from the European Commission through the Erasmus+ and the Horizon2020 programmes. In 2020, it became one of the 41 European University Alliances. Aurora has a General Council which consists of the rectors/presidents of the Aurora universities – or their formal representatives. The General Council meets twice a year. In addition, there is a board of four rectors and presidents who are charged with the management of the association. Each Aurora university has an “institutional coordinator” who monitors the Aurora activities in their own institution as well as in the network. Aurora has a central office consisting of six team members and a student council with two elected student representatives from each university, who collectively decide on student priorities within Aurora.

## EURECA-PRO Alliance



Website: <https://www.eurecapro.eu/>

Contact information (general): [info@eurecapro.eu](mailto:info@eurecapro.eu)

Type of partnership: consortium under the Horizon2020 and Erasmus+ programmes as one of the alliances of the European Universities Initiative

### Goals and activities

The European University Alliance on Responsible Consumption and Production (EURECA-PRO) consists of 9 university members who have joined forces to enable students and staff to study, teach and research in the field of responsible consumption and production with the long-term goal of a joined virtual and integrated European campus until 2040. In particular, EURECA-PRO has a societal and planetary mission to holistically contribute to the topical issue of Sustainable Consumption and Production under the umbrella of Sustainable Development Goal 12, and effectively contribute to the development of the European Higher Education Area complementarily to Sustainable Development Goal 4 (quality education).

The partners deliver new educational programmes (at undergraduate, postgraduate and doctoral levels), courses and modules, such as the Bachelor's and Master's programmes both called "Responsible Consumption and Production" (RCP). The website of EURECA-PRO features an up-to-date database of modules which relate to RCP, and European cultural studies and languages, and a filter option by language, subject and partner university ([www.eurecapro.eu/education/](http://www.eurecapro.eu/education/)).

EURECA-PRO has defined an ambitious research agenda with currently 5 research lighthouse missions focused on developing solutions to combat negative global environmental change. The website features an overview of the universities`:

- research profiles ([www.eurecapro.eu/research-profiles/](http://www.eurecapro.eu/research-profiles/)), and
- projects profiles ([www.eurecapro.eu/research-inventory/](http://www.eurecapro.eu/research-inventory/)).

### Operational, governance and financial model

EURECA-PRO receives financial support from the European Commission through the Erasmus+ and the Horizon2020 programmes. In 2020, it became one of the 41 European University Alliances. It is also supported at the national levels by the education ministries of Austria, Germany, Greece, Poland, Romania and Spain.

## Young Universities for the Future of Europe (YUFE)



*Website:* <https://yufe.eu/>

*Contact information (general):* [info@yufe.eu](mailto:info@yufe.eu)

*Type of partnership:* consortium under the Erasmus+ programme as one of the alliances of the European Universities Initiative

### Goals and activities

Young Universities for the Future of Europe consists of ten young, student-centred and research-based universities and four non-academic partners from Europe. The common aims of the partners are to contribute to a more competitive, innovative and united Europe and to help address today's European (and global) challenges. The partners collaborate to promote joint educational programs and services, and develop mechanisms to facilitate the mobility of students and staff to create an inclusive higher education landscape that is in line with current developments in society and the labour market. YUFE has four programmes dedicated to students, staff & professionals, citizens & cities, businesses, and governments & policy makers. The website features a "Virtual Campus" section with an overview of offered courses, and four portals dedicated to the programme groups:

<https://virtualcampus.yufe.eu/p/home>.

### Operational, governance and financial model

EURECA-PRO receives financial support from the European Commission through the Erasmus+ programmes as one of the 41 European University Alliances. The governance structure incorporates all quadruple helix stakeholders (universities, government, citizens and businesses) as well as students.

The student members within YUFE have been acting as co-creators rather than student representatives. There is a YUFE Student Forum with three students per partner institute. The President and Vice-President of the YUFE Student Forum are on the YUFE Strategy Board (YUFE's highest decision-making body) with the Student Forum President taking the role of Vice-Chair.

## 4.2 Implications for CIVITAS Educational Network from the scan

### *Types of activities*

Many of the scanned network organize an annual conference where members of the network, either students and/or staff members present their research, network and hold discussions on field-related topics. CIVITAS Educational Network was already represented in Mobility Powered by the Youth Conference which has the potential to become an annual conference of the network and involve both students and academics.

Next to this, members of these networks are commonly involved in joint research activities and the development of curriculum, joint study programmes and student/knowledge exchange programmes. In line with that, their websites feature dedicated spaces to these collaboration forms, such as virtual campuses providing, for example, databases with courses offered at the member institutes, educational resources 'vaults' and research profiles of the members. CIVITAS Educational Network has already developed a living document with an overview of courses, modules, topics in mobility offered by its members. However, it is yet missing a dedicated resources vault and research-related information for its members. A good example for this is the virtual campus of Aurora European Universities: <https://aurora-universities.eu/virtual-campus/>. Another good example is providing awards to individuals with important contributions in the field, such as the Transport Chair award by the BIVEC-GIBET Association.

The reviewed networks are typically organized in working groups on different thematic areas with corresponding coordinators. CIVITAS Educational Network can benefit from a more structured organization of its activities through the working groups on knowledge and student exchange, creation of joint master's programmes and shaping the network, each with a dedicated coordinating institution and/or individual.

### *Operational, governance and financial models*

Networks organized in two types of partnerships were reviewed, namely, associations with a set annual membership fee and consortiums financed through the Horizon2020 and/or Erasmus+ programmes. They are typically headed by an elected higher governing body (e.g., a board) consisting of a chairman, vice-chairman, treasurer and secretary. An extraordinary and innovative governance model is the one of YUFE which has student members participating in the board and acting as co-creators together with the other representatives.

The membership options of the reviewed associations range from individual member options, collective ones (for organizations) to memberships determined by the geographical location of the institutes. The membership fees of all associations are paid annually. In addition to the annual membership fee, for example, EFLE has a one-time registration fee for legal entities. Individual membership fees range from €50 to €150, while annual fees for organizations range from €250 to €1250.

CIVITAS Educational Network could benefit from the European Universities initiative which is an initiative of the European Union aimed at strengthening strategic partnerships across the

EU between higher education institutions and encouraging the emergence by 2024 of some twenty 'European Universities' consisting of bottom-up networks of universities (European Commission, n.d.). The initiative offers opportunities to support diverse cooperation models for European Universities through the Erasmus+ calls for proposals.

### 4.3 Future steps

In the upcoming months until February 2023, Breda University of Applied Sciences has taken the responsibility to explore an alternative operational, governance and financial model of the CIVITAS Educational Network. For this, a survey has been launched in November 2022 seeking to understand members' assessment of the added value of the network for their institute, the ways they envision the future operational structure and activities, and their role within it.

In addition to that, it is crucial to have a critical overview of the barriers, drivers and solutions relating to the current and future activities of the network. For this, Breda University of Applied Sciences held discussions on this topic with 29 representatives from 18 institutions who were present at the four dedicated online sessions (December 2021 and January 2022). The results of these discussions are summarized below for each domain: Knowledge exchange, Student exchange, Joint master's programmes and Shaping the network.

#### *Knowledge exchange*



- Language presents barriers for both ends of the cooperation.
- Lack of human resources / hours to engage in such activities.
- In/active engagement of people after the end of the CIVITAS project.



- A lot of information/knowledge is already available online, however, the issue is related to finding out what really works in practice.
- Team members in the organizations change, thus, the network needs to have the contacts of several representatives from each organization.
- Embed network activities, such as knowledge exchange, in on-going projects within the institutes.



## Student exchange



### Barriers

#### Curriculums:

- Language presents barriers for both ends of the cooperation.
- Finding a fitting match in curriculums is difficult and sometimes leading to study delay for students who pursue exchange programmes.
- Curriculums do not always enable student to go on exchanges.

#### Institutional:

- Internationalisation – and, as part of it, exchange – does not always get the support from individual universities that is needed.
- Lack of institutional support and vision for exchanges.
- Time-consuming and often unclear bureaucratic processes.

#### Students:

- Monetary challenges exist for all students and especially for those who wish to pursue exchanges in Northern & Western European countries.
- Finding student accommodation can be challenging in certain countries (e.g., the Netherlands due to the housing shortage).



### Drivers

- Student motivation for exchanges – especially for Master's programmes – is considerably high.
- Motivators for engaging in exchange projects seem to focus on cross-cultural benefits > learning from each other's methods and differences.
- Currently some exchanges are happening in the form of projects and held online. Being able to pursue exchanges online provides opportunities for students who are not able to travel to the destination of the institute.



### Ideas

- Lessons can be drawn from examples like Atelier Internationaal (BUAs, UHasselt), Fresh Brains, Hackathons, etc. > short, high-intensity cooperative forms instead of long-term exchange.
- Creating joint master's degree programmes can help to move away from old-fashioned types of teaching and facilitate/enable exchanges.
- Having a central 'catalogue' with all the involved universities and offerings of courses & programmes will help students to find offers of interest and staff to facilitate further exchanges.
- An international office within universities can greatly help exchange students to receive practical information > vigilance is needed to prevent it from increasing bureaucratic processes.

## Joint master`s programmes



### Barriers

- It could be challenging to find a common study program topic, subject timing delivery, language, skills and competencies.
- Challenges could be faced when the consortiums of the Joint Master Program(s) become too large.
- In some countries (based on educational policies), joint degrees are not always approved or supported. It is not entirely clear from where and how support could be secured.



### Ideas

- A Joint Master`s Programme could be approached in a blended way to avoid physical barriers (geographic locations).
- The ideal partnership would consist of 3-4 partners, but the starting point is to look at the content and strengths that can be contributed by different parties and then establish the size of the programme and its partners.
- A “knowledge spill” towards Eastern countries could be a requirement.
- The excellence of joint programmes should be proven when applying.
- All legal documents and approvals need to be provided at the point of submission (of call). This should be taken into consideration when preparing such an application.

## Shaping the network



### Barriers

- Committing to the network and not actively participating in it is a threat.
- Language, funding, organizational / administrative



### Drivers

- Connection to already existing networks to have a wider outreach.
- Making use of existing financial instruments to facilitate cooperations.



### Ideas

- Keeping the network alive requires a dedicated structure and leadership.
- It is important that the identity of the network is clear which could help to invite others to join.
- Possible cooperation forms could be both in-person and online.
- Local/national cooperations can be stimulated to avoid distant travelling and online exchange options.
- The creation of an online platform (marketplace, library – learning community) could be beneficial to facilitating cooperation.
- Importance of self-sustainability - find a suitable self-sustainable governance model for this network.

## 5. CONCLUSIONS

The entry survey of the CIVITAS Educational Network has demonstrated a significant interest of educational institutes active in the field of urban mobility for the initiation of cooperations between institutes for both research and educational activities. This is complemented by a significant interest in the establishment of a network to facilitate those cooperations.

As a result of institutes' shown interest, CIVITAS ELEVATE initiated the CIVITAS Educational Network with the objective to facilitate various forms of cooperation between them. Since its kick-off in Aachen, Germany, the network led by the ELEVATE partner BUAS has been actively facilitating cooperations and the promotion of institutes' and their students' mobility activities through its official meetings and other actions, such as the publishing of the catalogue with educational offers. These activities allow institutes to work collaboratively in the development of 'fit for the future' curriculums which tackle the current gap between education and employability by pursuing a holistic, interdisciplinary and international approach to urban mobility education. This is demonstrated through the established cooperations between the members institutes (e.g., Erasmus+ partnerships and knowledge exchanges).

Despite the established results, the network could still benefit from further improvements in several directions. As demonstrated through the scan of other networks, CIVITAS Educational Network could, for example, benefit from certain additions to its existing webpage, such as the inclusion of a dedicated resources vault and research-related information for its members. Another point for improvement could be to assign coordinators to the working groups in order to make them more structured. Furthermore, there are certain challenges and barriers which need to be overcome by the member institutes in order to proceed with the establishment of more long-term cooperations in certain domains, such as student exchange, as noted in chapter 4.3.

Judging by the active participation of institutes in the activities facilitated by the network and the positive feedback received from several of them, the continuation of CIVITAS Educational Network would be a desired outcome of CIVITAS ELEVATE. BUAS is currently investigating this through a survey on the continuation of the network. The results from this survey will be analysed in the upcoming months, and according to those, the network partners will come up with a proposal for the achievement of this objective.

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## ANNEX I - Entry survey of the network – development process

The entry survey of the network was developed by Breda University of Applied Sciences (the Netherlands) and DTV Consultants (the Netherlands) in the beginning of 2021. The objective of the survey was to identify the educational institutes in Europe active in the field of urban mobility and verify their interest in the establishment of a long-term structural cooperation between European educational institutes on this topic. This survey later on became the so-called 'entry survey' of the subsequently formed CIVITAS Educational Network.

The survey consists of 4 parts and no compulsory questions:

Part 1 - General information about your educational institute

Part 2 - Educational institutes active in the field of Urban Mobility (3 questions)

Part 3 - Education and research activities in the field of Urban Mobility (9 questions)

Part 4 - Contact information

It was officially launched on February 9, 2021. Prior its official launch, to identify relevant universities to which the survey will be distributed, BUAS did an extensive internet search and a review of the EIT Urban Mobility Plaza network. The survey was further sent out to:

- The CIVINETs which disseminated it to their networks;
- Erasmus partner universities of BUAS;
- The European Forum of Logistics Education (EFLE) members;
- POLIS that disseminated it to their network.

As a result, the survey was disseminated among more than 120 pre-identified European universities active in the field of urban mobility. A reminder email to all pre-identified institutes was sent out in early March 2021.

Following that, BUAS conducted an analysis of the survey results which was shared and further discussed with the project coordinator and officer of CIVITAS ELEVATE. These results were then distributed among all respondents of the survey.

A follow-up plan was developed with concrete steps CIVITAS ELEVATE partners plan to take for the facilitation of a cooperation between the interested parties. This was complemented by the development of a detailed list of possible cooperation forms, processes and contents as a result of this survey.

## ANNEX II - Entry survey of the network – contents

### Part 1 of 4 - General information about your educational institute

Please provide information about the educational institute you represent.

Educational institute name

Your answer

Faculty name

Your answer

Link to faculty website

Your answer

Country

Your answer

City

Your answer



**Part 2 of 4 - Educational institutes active in the field of Urban Mobility**

1. Are you interested in cooperating with other educational institutes active in the field of urban mobility?

(choose all relevant)

- Yes, for education
- Yes, for research
- No
- Other: \_\_\_\_\_

2. Which forms of cooperation would be of most value for your educational institute?

(choose all relevant)

- Student exchange
- Lecture exchange (contributing to teaching activities)
- Research collaborations at a regional level
- Research collaborations at a national level
- Research collaborations as part of European projects
- Creation of joint programmes at Bachelors level
- Creation of joint programmes at Master level
- Creation of joint programmes at PhD level
- Exchange knowledge (contributing to new curriculum materials)
- Other: \_\_\_\_\_

3. Do you see a need for a network of educational institutes active in the field of urban mobility?

(choose all relevant)

- Yes, formal network
- Yes, informal network
- Yes, as part of an existing network
- No
- Other: \_\_\_\_\_

If yes, as part of an existing network, please state which existing network.

Your answer \_\_\_\_\_

**Part 3 of 4 - Education and research activities in the field of Urban Mobility**

1. Does your educational institute offer COURSES in the field of urban mobility?  
(COURSE - the entire programme of studies required to complete a university degree)

- Yes  
 No

**Additional information COURSES**

If possible, provide the number of courses offered, their names and weblinks.

Your answer \_\_\_\_\_

2. Does your educational institute offer MODULES in the field of urban mobility?  
(MODULE - a self-contained course that usually lasts for one term and covers just one subject)

- Yes  
 No

**Additional information MODULES**

If possible, provide the number of modules offered, their names and weblinks.

Your answer \_\_\_\_\_

3. Does your educational institute offer TOPICS in the field of urban mobility as  
part of a course/module?  
(TOPIC - a related theme forming part of a module or course)

- Yes  
 No

**Additional information TOPICS**

If possible, provide the number of topics offered, their names and weblinks.

Your answer \_\_\_\_\_

4. Is your educational institute currently developing any NEW  
MODULES/COURSES in the field of urban mobility?

- Yes  
 No

**Additional information NEW MODULES/COURSES**

If possible, provide the number of new modules/courses currently in development, their names and weblinks.

Your answer \_\_\_\_\_

5. Does your educational institute cooperate (work jointly) with other educational institutes within courses in the field of urban mobility?

Yes

No

**Additional information JOINT COURSES**

If possible, provide the number of joint courses offered, their names and weblinks.

Your answer \_\_\_\_\_

6. Does your educational institute offer POSTGRADUATE COURSES for professionals in the field of urban mobility that contribute to a continuous life-long learning?

Yes

No

**Additional information POSTGRADUATE COURSES**

If possible, provide the number of postgraduate courses offered for professionals, their names and weblinks.

Your answer \_\_\_\_\_

7. Does your educational institute conduct research in the field of urban mobility?

Yes

No

8. Is your educational institute part of any research programmes in the field of urban mobility?

(choose all relevant)

European (e.g. Horizon; EIT Urban Mobility; etc.)

National (Country-wide)

Regional (Province-wide)

Contract-based research (e.g. contractual, acting as consultant, temporarily)

None

Other: \_\_\_\_\_

9. Are you aware of any other educational institutes active in the field of urban mobility?

Yes

No

If yes, please provide the names and the weblinks of these educational institutes.

Your answer \_\_\_\_\_

**Part 4 of 4 - Contact information**

Please provide your contact details below.

Can we contact you again in the future?

(choose all relevant)

- Yes, for further cooperation with other educational institutes active in the field of urban mobility
- Yes, for additional information about my educational institute
- No
- Other: \_\_\_\_\_

Name

Your answer \_\_\_\_\_

E-mail

Your answer \_\_\_\_\_

Phone number

Your answer \_\_\_\_\_

## ANNEX III - Educational institutes part of the contact list per country

Country	Educational institute name	Faculty
AUSTRIA	<b>FH JOANNEUM GmbH University of Applied Sciences</b>	Institute of Energy, Transport and Environmental Management
	<b>Vienna University of Technology</b>	Faculty of Architecture and Planning
		Research unit for Transportation System Planning
BELGIUM	<b>Hasselt University</b>	School for Transportation Sciences
	<b>Ghent University</b>	Faculty of Engineering and Architecture, Department of Industrial Systems Engineering and Product Design
		Faculty of Sciences, Department of Geography
	<b>University of Liège</b>	Smart City Institute HEC Liège
<b>Vrije Universiteit Brussel</b>	Mobilise Research Group	
BRAZIL	<b>Federal University of São Paulo</b>	Instituto do Mar
CROATIA	<b>University of Zagreb</b>	Faculty of Transport and Traffic Sciences
	<b>University North</b>	Department for Logistics and Sustainable Mobility
THE CZECH REPUBLIC	<b>Czech Technical University in Prague</b>	Faculty of Transportation Sciences
	<b>University of Pardubice</b>	Faculty of Transport Engineering
	<b>University of Jan Evangelista Purkyně</b>	Faculty of Social and Economic Studies
DENMARK	<b>University of Copenhagen</b>	Faculty of Humanities
	<b>CBS - Copenhagen Business School</b>	Department of Management, Society and Communication
EGYPT	<b>Arab Academy for Science Technology &amp; Maritime Transport</b>	Faculty of Engineering
FINLAND	<b>Metropolia University of Applied Sciences</b>	Smart Mobility Innovation Hub

	<b>Satakunta University of Applied Sciences</b>	Department of Business Management
<b>FINLAND</b>	<b>Tampere University of Applied Sciences</b>	Faculty of Built Environment
	<b>University of Lapland</b>	Faculty of Law
<b>FRANCE</b>	<b>Aix-Marseille University</b>	Institute of Technology Aix-en-Provence
	<b>University of Lille</b>	Faculty of Sciences and Technology, Department of Electrical Engineering
	<b>Gustave Eiffel University</b>	N/A
<b>GERMANY</b>	<b>CBS International Business School</b>	Center for Advanced Sustainability Management
	<b>Macromedia University of Applied Sciences</b>	Faculty of Creative Arts
	<b>Dresden University of Technology</b>	"Friedrich List" Faculty of Transportation and Traffic Sciences
	<b>University of Münster</b>	Institute of Political Science
	<b>University of Wuppertal</b>	Institute for Technologies and Management of Digital Transformation
<b>GREECE</b>	<b>Technical University of Crete</b>	School of Chemical and Environmental Engineering
<b>HUNGARY</b>	<b>Budapest University of Technology and Economics</b>	Faculty of Transportation Engineering and Vehicle Engineering
<b>IRELAND</b>	<b>Technological University Dublin</b>	College of Engineering and Built Environment
		School of Transport and Civil Engineering
<b>ITALY</b>	<b>Roma Tre University</b>	Transport Research Lab - TRElab
	<b>University of Rome Tor Vergata</b>	School of Engineering
<b>LUXEMBOURG</b>	<b>Luxembourg Institute of Socio-Economic Research</b>	Urban Development and Mobility Department
	<b>University of Luxembourg</b>	Department of Geography and Spatial Planning
<b>MALTA</b>	<b>University of Malta</b>	Institute for Climate Change & Sustainable Development
<b>THE NETHERLANDS</b>	<b>Amsterdam University of Applied Sciences</b>	Faculty of Technology
	<b>University of Amsterdam</b>	Faculty of Social and Behavioural Sciences

	<b>Vrije Universiteit Amsterdam</b>	School of Business and Economics
<b>THE NETHERLANDS</b>	<b>Radboud University</b>	Nijmegen School of Management
	<b>Breda University of Applied Sciences</b>	Academy for Built Environment & Logistics
<b>NORTH MACEDONIA</b>	<b>Diplomatic Research &amp; Policy Foundation</b>	N/A
<b>POLAND</b>	<b>Motor Transport Institute</b>	N/A
<b>PORTUGAL</b>	<b>University of Aveiro</b>	Department of Social, Political and Territorial Sciences
<b>THE PHILIPPINES</b>	<b>University of the Philippines Diliman</b>	School of Urban and Regional Planning
<b>REPUBLIC OF MOLDOVA</b>	<b>Technical University of Moldova</b>	Faculty of Architecture and Urban Planning, Department of Transportation Infrastructure Engineering
<b>REPUBLIC OF SERBIA</b>	<b>University of Novi Sad</b>	Faculty of Technical Sciences
<b>ROMANIA</b>	<b>Ion Mincu University of Architecture and Urban Planning</b>	Faculty of Urban Planning
	<b>Politehnica University of Bucharest</b>	Faculty of Transports
	<b>Politehnica University of Timișoara</b>	Faculty of Mechanical Engineering
	<b>Technical University of Civil Engineering of Bucharest</b>	Faculty of Civil, Industrial and Agricultural Buildings
	<b>Technical University of Cluj-Napoca</b>	Faculty of Civil Engineering
<b>SLOVAKIA</b>	<b>Slovak University of Technology in Bratislava</b>	SPECTRA Centre of Excellence
		Institute of Management
	<b>University of Žilina</b>	Faculty of Operation and Economics of Transport and Communications
<b>SPAIN</b>	<b>Zaragoza Logistics Center</b>	N/A
	<b>Institute for Advanced Architecture of Catalonia</b>	Advanced Architecture Group
	<b>Universitat Autònoma de Barcelona</b>	Institute for Environmental Science and Technology
	<b>Universitat Politècnica de Catalunya</b>	Barcelona School of Civil Engineering

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<b>SWEDEN</b>	<b>Umeå University</b>	Faculty of Social Sciences
	<b>Lund University</b>	Faculty of Engineering
<b>SWITZERLAND</b>	<b>Lucerne University of Applied Sciences and Arts</b>	Lucerne School of Business
<b>TURKEY</b>	<b>Dokuz Eylül University</b>	Faculty of Business
<b>THE UNITED KINGDOM</b>	<b>University College London</b>	Centre for Transport Studies
<b>THE UNITED STATES OF AMERICA</b>	<b>Transportation Research Board</b>	N/A



## ANNEX IV - Attendance list in-person and online sessions of the network

Meeting	Format	# of attendees	Present institutes
<b>Kick-off meeting of the network (CIVITAS Forum 2021)</b>  20 October 2021	In-person (Aachen, Germany)  & online (CIVITAS Forum platform)	15 (in-person) 18 (online)	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- University of Amsterdam (NL)</li> <li>- Amsterdam University of Applied Sciences (NL)</li> <li>- University of Pardubice (CZ)</li> <li>- Jan Evangelista Purkyně University in Ústí nad Labem (CZ)</li> <li>- Zaragoza Logistics Center (ES)</li> <li>- Politehnica University of Timișoara (RO)</li> <li>- Technical University of Civil Engineering of Bucharest (RO)</li> <li>- Technical University of Crete (GR)</li> <li>- University of Novi Sad (RS)</li> <li>- University North (HR)</li> <li>- Slovak University of Technology in Bratislava (SK)</li> <li>- Vrije Universiteit Brussel (BE)</li> <li>- University of Liège (BE)</li> <li>- Technological University Dublin (IE)</li> <li>- Tampere University (FI)</li> <li>- University of Lapland (FI)</li> <li>- University of Wuppertal (DE)</li> <li>- University of Münster (DE)</li> <li>- Lund University (SE)</li> <li>- Lucerne University of Applied Sciences and Arts (CH)</li> <li>- University of Rome "Tor Vergata" (IT)</li> </ul>
<b>Dedicated session 1</b>  Student Exchange  17 December 2021	Online (Teams)	11	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- Amsterdam University of Applied Sciences (NL)</li> <li>- University of Pardubice (CZ)</li> <li>- Jan Evangelista Purkyně University in Ústí nad Labem (CZ)</li> <li>- Ion Mincu University of Architecture and Urban Planning (RO)</li> <li>- Hasselt University (BE)</li> <li>- University of Zagreb (HR)</li> <li>- FH JOANNEUM University of Applied Sciences (AT)</li> <li>- Technical University of Crete (GR)</li> </ul>
<b>Dedicated session 2</b>  Shaping the network  20 December 2021	Online (Teams)	18	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- University of Pardubice (CZ)</li> <li>- Jan Evangelista Purkyně University in Ústí nad Labem (CZ)</li> <li>- Slovak University of Technology in Bratislava (SK)</li> <li>- Ion Mincu University of Architecture and Urban Planning (RO)</li> <li>- University of Copenhagen (DK)</li> <li>- Hasselt University (BE)</li> <li>- Vrije Universiteit Brussel (BE)</li> <li>- Zaragoza Logistics Center (ES)</li> <li>- University of Zagreb (HR)</li> </ul>

			<ul style="list-style-type: none"> <li>- FH JOANNEUM University of Applied Sciences (AT)</li> <li>- Technical University of Crete (GR)</li> <li>- University of Wuppertal (DE)</li> </ul>
<p><b>Dedicated session 3</b></p> <p>Knowledge Exchange</p> <p>12 January 2022</p>	Online (Teams)	15	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- University of Pardubice (CZ)</li> <li>- Jan Evangelista Purkyně University in Ústí nad Labem (CZ)</li> <li>- Slovak University of Technology in Bratislava (SK)</li> <li>- Hasselt University (BE)</li> <li>- Zaragoza Logistics Center (ES)</li> <li>- University of Zagreb (HR)</li> <li>- FH JOANNEUM University of Applied Sciences (AT)</li> <li>- Technical University of Crete (GR)</li> <li>- Gustave Eiffel University (FR)</li> <li>- CBS International Business School (DE)</li> </ul>
<p><b>Dedicated session 4</b></p> <p>Joint Master Program(s)</p> <p>18 January 2022</p>	Online (Teams)	8	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- University of Pardubice (CZ)</li> <li>- Technical University of Crete (GR)</li> <li>- Tampere University (FI)</li> <li>- Hasselt University (BE)</li> <li>- Technical University of Moldova (MD)</li> <li>- FH JOANNEUM University of Applied Sciences (AT)</li> </ul>
<p><b>General session 1</b></p> <p>March 2022</p> <p>10 March 2022</p>	Online (Teams)	21	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- University of Pardubice (CZ)</li> <li>- Jan Evangelista Purkyne University in Usti nad Labem (CZ)</li> <li>- Slovak University of Technology in Bratislava (SK)</li> <li>- Zaragoza Logistics Center (ES)</li> <li>- FH JOANNEUM University of Applied Sciences (AT)</li> <li>- Technical University of Crete (GR)</li> <li>- CBS International Business School (DE)</li> <li>- Vrije Universiteit Brussel (BE)</li> <li>- Hasselt University (BE)</li> <li>- University North (HR)</li> <li>- Umeå University (SE)</li> <li>- Technological University Dublin (IE)</li> <li>- Tampere University (FI)</li> <li>- Satakunta University of Applied Sciences (FI)</li> <li>- University of Novi Sad (RS)</li> <li>- Roma Tre University (IT)</li> </ul>

<p><b>General session 2</b></p> <p>June 2022</p> <p>2 June 2022</p>	<p>Online (Teams)</p>	<p>12</p>	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- Technical University of Crete (GR)</li> <li>- Hasselt University (BE)</li> <li>- Umeå University (SE)</li> <li>- University of Zagreb (HR)</li> <li>- University of Pardubice (CZ)</li> <li>- Zaragoza Logistics Center (ES)</li> <li>- Slovak University of Technology in Bratislava (SK)</li> <li>- Gustave Eiffel University (FR)</li> <li>- University College London (GB)</li> <li>- Technical University of Catalonia (ES)</li> </ul>
<p><b>In-person meeting of the network (Urban Mobility Days 2022)</b></p> <p>21 September 2022</p>	<p>In-person (Brno, the Czech Republic)</p>	<p>15</p>	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- Roma Tre University (IT)</li> <li>- Technical University of Crete (GR)</li> <li>- University of Pardubice (CZ)</li> <li>- Jan Evangelista Purkyně University in Ústí nad Labem (CZ)</li> <li>- University of Novi Sad (RS)</li> <li>- University of Zagreb (HR)</li> <li>- CBS - Copenhagen Business School (DK)</li> </ul>
<p><b>General session 3</b></p> <p>November 2022</p> <p>2 November 2022</p>	<p>Online (Teams)</p>	<p>17</p>	<ul style="list-style-type: none"> <li>- Breda University of Applied Sciences (NL)</li> <li>- University of Zagreb (HR)</li> <li>- University of Pardubice (CZ)</li> <li>- Zaragoza Logistics Center (ES)</li> <li>- CBS - Copenhagen Business School (DK)</li> <li>- Jan Evangelista Purkyně University in Ústí nad Labem (CZ)</li> <li>- Technical University of Moldova (MD)</li> <li>- Technical University of Crete (GR)</li> <li>- FH JOANNEUM University of Applied Sciences (AT)</li> <li>- Roma Tre University (IT)</li> <li>- University of Novi Sad (RS)</li> <li>- Metropolia University of Applied Sciences (FI)</li> <li>- Slovak University of Technology in Bratislava (SK)</li> <li>- University of Zilina (SK)</li> <li>- Motor Transport Institute (PL)</li> </ul>

## ANNEX V - Meetings minutes – online sessions

### CIVITAS Educational Network: STUDENT EXCHANGE

#### *Meeting notes*

**Date:** 17 December 2021 (10.00 - 11.30 CET)

**Format:** Online via Teams

**Main objective:** During the kick-off meeting the potential for collaboration was explored. During this session the aim is to understand what this working group will work on in the upcoming future for the potential of student exchange amongst interested university representatives.

#### Agenda:

1. Short introduction round
2. General aspects
3. Drives, barriers & challenges
4. Further steps to be agreed upon

#### Participants:

Full name	Institution
Zhan Goosen	Breda University of Applied Sciences (NL)
Jules van Herpen	Breda University of Applied Sciences (NL)
Jiří Pašek	University of Pardubice (CZ)
Radomíra Jordová	Jan Evangelista Purkyně University in Ústí nad Labem (CZ)
Hana Bruhova Foltynova	Jan Evangelista Purkyně University in Usti nad Labem (CZ)
Mihaela Negulescu	Ion Mincu University of Architecture and Urban Planning (RO)
Patricia Hellriegel	Hasselt University (BE)
Marko Slavulj	University of Zagreb (HR)
Martijn Kiers	FH JOANNEUM GmbH University of Applied Sciences (AT)
Theocharis Tsoutsos	Technical University of Crete (GR)
Erik Tetteroo	Amsterdam University of Applied Sciences (NL)

## TOPIC 1. GENERAL ASPECTS

Firstly, of importance is:

- Getting to know each other and what interest each has in the educational network
- It has to be clear what the CIVITAS educational network cooperation is

The importance of Student Exchange

- The problems that exist within Urban Mobility are not limited to nation borders
- Each university and country has its own way of approaching issues; exchange will enable students and universities to see and learn from these differences
- Student exchange is not just about knowledge, it also enables individuals to experience different cultures both socially and academic
- Students having actual practical experience -> learnings from cities, projects; workshops with employers where their needs are established
- Enabling students to travel Europe and cooperate in different universities is an investment in the future > it is a starting point for deeper and further cooperation, also in professional life
- International perspective – learning from each other`s different views and solutions

Currently existing exchange

- Programmes between several universities exist but mostly regarding internships and minors
- Interest from lecturers and students is there > network is more than welcome

## TOPIC 2. DRIVERS, BARRIERS & SOLUTIONS

Ideas and drivers

- Generally, student motivation for exchange – especially for Master’s programmes – is very high
- Motivators for engaging in exchange projects seem to focus on cross-cultural benefits > learning from each other’s methods and differences
- Lessons can be drawn from examples like Atelier Internationaal (BUas, UHasselt), Fresh Brains, Hackathons, etc. > short, high-intensity cooperative workshops instead of long-term exchange
- Currently come exchanges are happening in the form of projects and held online. Being able to work online provides opportunities but does not have the preference.
- Creating a common master’s degree programme can help to move away from old-fashioned types of working and facilitate/enable exchange
- Having a central ‘catalogue’ with all the involved universities and offerings of courses & programmes will help students and staff

### Challenges regarding existing options

- To prevent students from risking study delay, the exchange should provide the student with ECs.
- Language presents barriers for both ends of the cooperation > many Master's programme are offered in English, this makes it easier
- Programmes do not always align properly > when do you offer students to go on exchange?
- Finding a fitting match in curriculums is difficult > sometimes leading to study delay for students who do go on exchange
- Curriculum should enable student to go on exchange

### Current barriers for student exchange

- An international office within universities can greatly help exchange students to receive practical information > vigilance is needed to prevent it from increasing bureaucratic processes
- Internationalisation – and thus exchange – does not always get the support from individual universities that is needed
- Internal barriers with universities include support, bureaucratic processes, lack of vision
- Monetary challenges exist for all students but especially for those who wish to travel to northern & western Europe countries
- Housing is a big problem in the Netherlands > many others have dorm accommodation

## TOPIC 3. CONCRETE FUTURE ACTIONS/STEPS

### Communication:

- The contact person for this network should be someone from the faculty, not the international office
- Teams is a good platform for the online meetings
- Agreement on meeting every 2 months

<i>Action point</i>	<i>Who?</i>	<i>Deadline</i>
Create a list of contacts with areas of interests according to the survey and distribute among the network	BUAS	January
Bringing all educational offers together in one coherent document.	BUAS	January
Send out a Doodle for the next session	BUAS	December
Mapping the barriers for students that prevent them from going on exchange + for universities that interfere with the goal to cooperate in education	XX	XX

## CIVITAS Educational Network: SHAPING THE NETWORK

### *Meeting notes*

**Date:** 20 December 2021 (10.00 - 11.30 CET)

**Format:** Online via Teams

**Main objective:** During the kick-off meeting the potential for collaboration was explored. During this session, the aim is to discuss how the university network can be further shaped in terms of objectives, format and concrete actions which will be taken.

#### Agenda:

1. Short introduction round
2. Objectives of the network
3. Organization of the network
4. Concrete future actions/steps

#### Participants:

Full name	Institution
Nina Nesterova	Breda University of Applied Sciences (NL)
Ekaterina Uzunova	Breda University of Applied Sciences (NL)
Pavel Lopour	University of Pardubice (CZ)
Jiří Pašek	University of Pardubice (CZ)
Libor Svadlenka	University of Pardubice (CZ)
Radomíra Jordová	Jan Evangelista Purkyně University in Ústí nad Labem (CZ)
Hana Bruhova Foltynova	Jan Evangelista Purkyne University in Usti nad Labem (CZ)
Zuzana Ladzianska	Slovak University of Technology in Bratislava (SK)
Mihaela Negulescu	Ion Mincu University of Architecture and Urban Planning (RO)
Martin Zerlang	University of Copenhagen (DK)
Patricia Hellriegel	Hasselt University (BE)
Sara Marie Tori	Vrije Universiteit Brussel (BE)
Carolina Ciprés	Zaragoza Logistics Center (ES)
Marko Slavulj	University of Zagreb (HR)
Martijn Kiers	FH JOANNEUM GmbH University of Applied Sciences (AT)
Theocharis Tsoutsos	Technical University of Crete (GR)
Stavroula Tournaki	Technical University of Crete (GR)
Saskia Gehrt	University of Wuppertal (DE)

## TOPIC 1. OBJECTIVES OF THE NETWORK

Firstly, of importance is:

- Getting to know each other
- Share a contact list so they can contact each other
- It has to be clear what is the CIVITAS educational network cooperation

Mission suggestions (brainstorming):

- Bridging the gap between market needs and university offerings
- Students having actual practical experience -> learnings from cities, projects; workshops with employers where their needs are established
- A holistic and international approach -> gap between technical and planning perspective -> curriculum that brings synergy in understanding urban mobility
- Interdisciplinary approach – mobility is not only about planning, for example, but also about behaviour change
- International perspective – learning from each other`s different views and solutions
- Dynamic teaching – exchanging knowledge about teaching methods in the field
- More European -> standardization of terminology and interdisciplinary approach
- Involving all stakeholders, a holistic approach is required; tackling different regions, it's not only about the city core; solutions that are holistically integrated in the curriculum for the future

## TOPIC 2. ORGANIZATION OF THE NETWORK

General:

- Committing to a network and not actively participating is an example of what doesn't work
- Keeping the network alive requires work
- It is important that the identity of the network is clear -> this could help to invite others to join

Meetings:

- Regular meetings are required online or physically to discuss (e.g., each 3 months a 3-hr meeting); Otherwise, it is a commitment that could be neglected
- Teams is a good platform for the online meetings
- Agreement on meeting every 2 months

Working groups:

- Have different sub-groups working on very specific tasks; dividing the work among colleagues with different areas of expertise
- Structural meetings
- There needs to be coordination, maybe per sub-group
- The 4 task forces are good for now: Student exchange, Knowledge exchange, Joint master programmes and Shaping the network



Operation: website/platform:

- To understand the framework, the different tools and disciplines, a simple website is needed
- Also/or a marketplace for members of the group about what is offered for matchmaking (e.g., announcement boards)
- ETM Forum could be a good tool or a good example: [etmforum.eu](http://etmforum.eu)

### TOPIC 3. CONCRETE FUTURE ACTIONS/STEPS

<i>Action point</i>	<i>Who?</i>	<i>Deadline</i>
Create a list of contacts with areas of interests according to the survey and distribute among the network	BUAS	January
Discuss the possibility to have a separate platform/website for the educational network, or a webpage dedicated to it as part of the CIVITAS website with CIVITAS/ICLEI	BUAS	January
Send out a Doodle for the next session	BUAS	December
Shape the objectives (mission) of the network according to institutes` input	Draft formulation – BUAS	January
	Feedback on draft formulation – All institutes	January/February
	Nest version formulation – BUAS	February
Share information about your planned student activities during 2022 (e.g., hackathons, exchanges, summer schools), so they can be promoted on the CIVITAS website	All institutes	January
Check and inform about the opportunities for applying for Erasmus+, EIT Urban Mobility and other calls	All institutes	On-going

Some of the student activities in 2022 mentioned during the call:

- Exchange of knowledge between 3 universities in Romania, but also international exchanges – Ion Mincu University of Architecture and Urban Planning
- 4 Cities Master Program involving student exchange - University of Copenhagen
- Summer School - University of Zagreb
- Symposium and many others - Hasselt University
- CityGo project involving several universities - University of Pardubice

## CIVITAS Educational Network: KNOWLEDGE EXCHANGE

### *Meeting notes*

**Date:** 12 January 2021 (10.00 - 11.30 CET)

**Format:** Online via Teams

**Main objective:** During the kick-off meeting the potential for collaboration was explored. During this session, the aim is to understand what this working group will work on in the upcoming future for the potential of knowledge exchange amongst interested university representatives

#### Agenda:

1. Short introduction round
2. Particular interests of universities
3. Potential barriers to knowledge exchange
4. Concrete future actions/steps

#### Participants:

Full name	Institution
Nina Nesterova	Breda University of Applied Sciences (NL)
Ekaterina Uzunova	Breda University of Applied Sciences (NL)
Jiří Pašek	University of Pardubice (CZ)
Radomíra Jordová	Jan Evangelista Purkyně University in Ústí nad Labem (CZ)
Hana Bruhova Foltynova	Jan Evangelista Purkyně University in Usti nad Labem (CZ)
Zuzana Ladzianska	Slovak University of Technology in Bratislava (SK)
Evelien Polders	Hasselt University (BE)
Carolina Ciprés	Zaragoza Logistics Center (ES)
Dino Šojat	University of Zagreb (HR)
Martijn Kiers	FH JOANNEUM GmbH University of Applied Sciences (AT)
Theocharis Tsoutsos	Technical University of Crete (GR)
Maria Frangou	Technical University of Crete (GR)
C Marin-Lamellet	Gustave Eiffel University (FR)
Odile Arbeit de Chalendar	Gustave Eiffel University (FR)
Cristian Loza Adai	CBS International Business School (DE)

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## TOPIC 1. SHORT INTRODUCTION ROUND

### **FH JOANNEUM GmbH University of Applied Sciences (AT):**

*Representative:* Martijn Kiers

- Bachelor and Master course in Energy, Mobility and Environmental Management.
- Research on mobility, behavioural change, urban planning.
- Interested in learning from each other, so the wheel is not reinvented each time.

### **Zaragoza Logistics Center (ES):**

*Representative:* Carolina Ciprés

- A research and educational centre for logistics and supply chain management.
- Research and education focused on urban logistics and urban mobility.

### **Gustave Eiffel University (FR/BE):**

*Representatives:* Odile Arbeit de Chalendar and C Marin-Lamellet

- Part of a liaison office in Brussels. The university is new – since 1 year.
- Work on the topic “City of the future”. Skills on road safety, urban mobility, soft modes, electric roads, sustainable roads.
- Ambitions to subscribe to the future European university on the theme ‘city’.
- Currently not involved in CIVITAS, but several other EU networks like POLIS.

### **Jan Evangelista Purkyně University in Usti nad Labem (CZ):**

*Representatives:* Hana Bruhova Foltynova and Radomíra Jordová

- Focus on social sciences – transport, economic, environmental issues; behavioural change.
- PhD programme in English on behavioural change.

### **Slovak University of Technology in Bratislava (SK):**

*Representative:* Zuzana Ladzianska

- Institute of Management, Department of Spatial Planning.
- Projects on GIS, sustainability, etc.
- Interested in knowledge exchange and providing support for the network development.

**Technical University of Crete (GR):**

*Representatives:* Theocharis Tsoutsos and Maria Frangou

- Environmental Engineering School; Architecture School; Electronical Engineering School; Management School.
- Focus on sustainable energy and mobility.
- Interest in the development of courses on sustainable mobility and transport as such specializations do not yet exist in TU Crete.
- Good established connections with regional and local authorities.
- Involved in a CIVITAS project on SUMP.

**University of Pardubice (CZ):**

*Representative:* Jiří Pašek

- Faculty of Transport Engineering.
- Offer studies on bachelor, masters and PhD level.
- They do not yet offer a specialization on urban logistics.
- Interest in universities specializing on the topic of urban logistics for knowledge exchange activities.

**University of Zagreb (HR):**

*Representative:* Dino Šojat

- Faculty of Transport and Traffic Sciences.
- Offer courses/programmes on urban mobility, sustainable mobility – bachelor, masters and PhD.

**CBS International Business School (DE):**

*Representative:* Cristian Loza Adau

- Professor on Sustainable Management and Corporate Social Responsibility. Director for Centre for Advanced Sustainable Studies.
- Research and teaching development projects related to sustainability, sustainable cities.

**Hasselt University (BE):**

*Representative:* Evelien Polders

- School for Transportation Sciences.
- Bachelor and Masters programmes.
- Research in the areas of road safety, urban mobility, sustainable mobility, intelligent solutions.

## TOPIC 2. PARTICULAR INTERESTS OF UNIVERSITIES

### **FH JOANNEUM GmbH University of Applied Sciences (AT):**

- Most studies focus on local/regional problems. A lot of knowledge is found in different countries and universities, but outsiders are sometimes unaware that this knowledge is already available. Different views generated on the same problems.
- Interest in finding out what other universities are working on, what knowledge is being generated.
- Interest in working on future EU projects together. Finding partners from other countries.
- Interest in joint programmes. An international classroom makes teaching interesting as students are presenting the viewpoints from their own countries and a discussion comparing different scenarios/solutions is provoked.
- Interest in establishing contact with representatives from other universities; in finding out about the projects they are working on, their curriculum, what is the main specialization of their teaching activities.
- Interest in guest lecture exchange.
- Interest in exchanges on both research and education.
- At FH Joanneum, most staff do 50% research and 50% teaching. This helps to keep updated with the working field.
- Interest in a library of resources available online where you can provide feedback to the people offering these resources.

### **Slovak University of Technology in Bratislava (SK):**

- It is always a challenge to find relevant information for research. Some databases/portals are not available for externals, or are paid for; information is not always publicly available.
- Interest in a platform which comprises of the different projects universities are working on, the outputs from these, the contact details of those involved in the projects.
- In Slovak University of Technology, most staff do 50% research and 50% teaching.
- Interest mostly in research because for teaching the official language is Slovak. On bachelor level, they teach in Slovak mostly. In case of international students being involved, the materials are being translated to English.
- Open to opportunities for guest lectures.

### **Breda University of Applied Sciences (NL):**

- At the moment, the interest is more in teacher-to-teacher exchange, and from then to transfer to students due to language barriers.
- An idea is to have a platform like a marketplace where offers are being posed for guest lectures, for example. Also, a library which collects online resources (e.g., webseries from EIT Urban Mobility, CIVITAS, etc.).
- Interest in guest lectures on topics currently not covered in the courses.
- There is a need to focus on research.
- DIGNITY project – offer to other universities to join a pilot where the learning community of DIGNITY is open to students from all over the world to discuss their opinions of particular case studies. (<https://community.dignity-project.eu/>)

### **CBS International Business School (DE):**

- In favour of the marketplace idea because finding guest lecturers who specialize in a certain topic can be a challenge. It is needed to identify the people who have special research skills and focus in a particular topic to be able to contact them for future research projects.
- Interest not only in contact persons, but also in information about teaching tools, instruments, materials on the topic of sustainable transport (even if they are in other languages).
- Scarcity of business cases on the topic of sustainability.
- Outputs from Erasmus+ projects could be interesting. There are a lot of them focused on technological tools for innovative teaching (e.g., an escape room online; simulations; gamification).

### **Gustave Eiffel University (FR/BE):**

- Research facilities/infrastructure is very costly. The network could offer information about the facilities available out there for research and students. Living labs could be very useful to students as the user is integrated into the process of solutions development.

### **Technical University of Crete (GR):**

- Interest in knowledge transfer on island destinations. Not only urban issues, but also seasonality issues they would like to tackle.
- Offering lifelong training for professionals (certified). Interest in exchanges for these programs.
- Graduate programs for policy makers – engineers, planners, administrators, etc.
- Possibility to join an Erasmus+ call together (deadline date: 17 February 2022):

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2022-cbhe-strand-2;callCode=null;freeTextSearchKeyword=higher%20education;matchWholeText=true;typeCodes=1,2;statusCodes=31094501,31094503,31094502;programmePeriod=null;programCcm2Id=null;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=sortStatus;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

[https://www.eacea.ec.europa.eu/news-events/events/online-info-session-2-december-erasmus-capacity-building-higher-education-cbhe\\_en](https://www.eacea.ec.europa.eu/news-events/events/online-info-session-2-december-erasmus-capacity-building-higher-education-cbhe_en)

**University of Pardubice (CZ):**

- Interest in preparing students to meet market demands by introducing new specializations, new study programmes. How to do it? How to get external professionals involved?
- Interest in teachers from other universities offering guest lectures virtually and in University of Pardubice offering guest lectures to others.

**Jan Evangelista Purkyně University in Usti nad Labem (CZ):**

- Supporting the idea for an online library of resources. However, often sound evaluation of measures is missing. Thus, finding case studies and their evaluation methods, proven methodologies.

**TOPIC 3. POTENTIAL BARRIERS TO KNOWLEDGE EXCHANGE**

- Language
- A lot of information available online; finding out what really works
- Active engagement of people after project ends
- Team members in the organizations change -> a need to address the real needs of involved institutes; relying not only on one person, but several representatives from each organization
- Co-sharing of tasks/working group
- Lack of human resources -> embed network activities in on-going projects
- Time-consuming activities; here do you write your hours you spend on the network activities?

**TOPIC 4. CONCRETE FUTURE ACTIONS/STEPS**

<i>Action point</i>	<i>Who?</i>	<i>Deadline</i>
Send out a list of contacts with areas of interests according to the survey.	BUAS	January
Excel forms with profiles of universities are being prefilled and send out to institutes by BUAS. Institutes to reply by checking the forms and including missing information.	All institutes	February
Send out guest lecture opportunities to each other via email.	All institutes	On-going
2 universities prepare a presentation for the next session of their educational/research offer, etc. (10 min. presentation each)	FH JOANNEUM GmbH University of Applied Sciences (Austria) and University of Pardubice (Czech Republic)	March

## CIVITAS Educational Network: JOINT MASTER PROGRAM(S)

### *Meeting notes*

**Date:** 18 January 2022 (10.30 - 12.00 CET)

**Format:** Online via Teams

**Main objective:** During the kick-off meeting the potential for collaboration was explored. During this session the aim is to understand what this working group will work on in the upcoming future for the potential of joint Master program(s) between interested university representatives.

#### Agenda:

1. Short introduction round
2. General aspects
3. Drivers, barriers & challenges
4. Future actions/steps

#### Participants:

Full name	Institution
Zhan Goosen	Breda University of Applied Sciences (NL)
Maria Frangou	Technical University of Crete (GR)
Theocharis Tsoutsos	Technical University of Crete (GR)
Jiří Pašek	University of Pardubice (CZ)
Heikki Liimatainen	Tampere University (FI)
Patricia Hellriegel	Hasselt University (BE)
Bricicaru Ilie	Technical University of Moldova (MD)
Martijn Kiers	FH JOANNEUM GmbH University of Applied Sciences (AT)



## TOPIC 1. GENERAL ASPECTS

- No current cooperation

The need for a Joint Master Program is expressed based on:

- Benefit for students and lecturers to learn from each other to possibly also increase current course offerings;
- The uniqueness of such a Joint Masters based on the different expertise's of the universities possibly involved;
- Good to aim to "link" certain EU regions through this Joint Master Program(s)
- The mix of knowledge, working intensively together is a benefit and need facilitating such a Joint Master Program.

## TOPIC 2. DRIVERS, BARRIERS & CHALLENGES

General:

- Application for Erasmus Mundus have been applied for by the universities of Patricia and Martijn but was not successful (they have experience in this, and we can learn from it);
- As a first idea/preference a Joint Master Program can be approached in a blended way to avoid physical barriers (geographic location);
- Based on this experience it is understood that the Erasmus grant is highly competitive and requires sufficient time (sometimes 1 year) to prepare for such application;
- Challenges could be faced when the consortium or partners of this Joint Master Program(s) become too large;
- The ideal would be 3-4 partners, but the starting point is to first look at the content and strengths that can be contributed by different parties and then establish the size of such Program and its partners;
- A "knowledge spill" towards Eastern countries could be a requirement, again the ideal joint program should be setup based on content and how these involved universities can add value but also benefit from one another to some extent;
- The excellence of such a joint program should really be proven when applying;
- In some countries (based on educational policies) joint degrees are not always approved or supported. It is not entirely clear where and how. This could be a challenge and possible barrier in this case;
- All legal documents and approvals need to be provided at the point of submission. This should be taken into consideration when preparing such an application;
- It could be challenging to find a common study program, subject timing delivery, language, skills and competencies.

## TOPIC 3. FUTURE ACTIONS/STEPS

- It is agreed within the working group of Joint Master Program(s) to keep this task force separate to the other as a Joint Master Program is already very time consuming;
- It has also been communicated that a Joint Master Program is high on the priority list and will receive higher priority;

- Anticipate what can we expect in the next call for possible Joint Master Program(s) regarding topics and how can we add to this or start preparing what is important for the future.

<i>Action point</i>	<i>Who?</i>	<i>Deadline</i>
Create a list of contacts with areas of interests according to the survey and distribute among the network	BUAS	January
Send out a Doodle for the next session	BUAS	January
Share information about experience in applying for a Joint Master Program OR if you have such a program in your university (not specifically your faculty) that can be discussed at next session	<ul style="list-style-type: none"> <li>• Maria - Technical University of Crete (GR)</li> <li>• Illie - Technical University of Moldova (MOL)</li> <li>• Martijn - FH JOANNEUM GmbH University of Applied Sciences (AT)</li> <li>• Patricia - Hasselt University (BE)</li> </ul>	On-going
Check and inform about the opportunities for applying for a Joint Master program Erasmus Mundus and other calls that can be discussed in the next session	All institutes	On-going

## CIVITAS Educational Network: GENERAL SESSION MARCH 2022

### *Meeting notes*

**Date:** 10 March 2022 (11.00 – 12.00 CET)

**Format:** Online via Teams

**Main objective:** During this session the aim is to review the progress of the network so far and to agree on the future steps in the development of the specific working groups.

#### Agenda:

1. Introduction to the Fresh Brains programme
2. University pitches
3. Progress review
4. Concrete future actions/steps

#### Participants:

Full name	Institution
Nina Nesterova	Breda University of Applied Sciences (NL)
Ekaterina Uzunova	Breda University of Applied Sciences (NL)
Jules van Herpen	Breda University of Applied Sciences (NL)
Zhan Goosen	Breda University of Applied Sciences (NL)
Jiří Pašek	University of Pardubice (CZ)
Libor Svadlenka	University of Pardubice (CZ)
Hana Bruhova Foltynova	Jan Evangelista Purkyně University in Ústí nad Labem (CZ)
Zuzana Ladzianska	Slovak University of Technology in Bratislava (SK)
Teresa de la Cruz	Zaragoza Logistics Center (ES)
Martijn Kiers	FH JOANNEUM GmbH University of Applied Sciences (AT)
Theocharis Tsoutsos	Technical University of Crete (GR)
Cristian Loza Adau	CBS International Business School (DE)
Sara Marie Tori	Vrije Universiteit Brussel (BE)
Patricia Hellriegel	Hasselt University (BE)
Predrag Brlek	University North (HR)
Erika Sandow	Umeå University (SE)
Roisin Murray	Technological University Dublin (IE)
Heikki Liimatainen	Tampere University (FI)
Daniela Tanhua	Satakunta University of Applied Sciences (FI)
Valentina Mirovic	University of Novi Sad (RS)
Giacomo Lozzi	Roma Tre University (IT)

## TOPIC 1. INTRODUCTION TO THE FRESH BRAINS PROGRAMME

Link to the programme: <https://civitas.eu/mobility-powered-by-youth#fresh-brains>

Feedback from universities:

- **Technical University of Crete** – Administration for the universities can be challenging, thus, it needs to be reduced to a minimum to enhance universities` desire to engage in these activities.
- **Hasselt University** – Interest in the internships offered through Fresh Brains.

## TOPIC 2. UNIVERSITY PITCHES

**FH JOANNEUM University of Applied Sciences (Austria) – Martijn Kiers:**

- Three locations – Kapfenberg (location of Institute Energy and Transport Management), Graz and Bad Gleichenberg
- Small scale, good contact with industry and real-life cases students are working on

Educational offer:

- Master of Science in Engineering (Energy and Transport Management)
- Fully in English
- 4 semesters
- Approx. 25 students per year (lecturers have close connections with the students)
- Online and offline classes, so many students are already working in the field while doing their studies
- International community (about half of the students in the master are international)
- There are obligatory subjects (e.g., Management), specializations (e.g., Mobility Technologies and Energy Technologies) and 17 electives

Research:

- Mobility LAB: <https://www.fh-joanneum.at/en/labor/mobility-lab/>
- Energy Analytics & Solution LAB: <https://www.fh-joanneum.at/en/labor/energy-analytics-solution-lab/>
- Project SOULMATE (together with UHasselt and TU/e) - Active mobility for best agers: <https://www.fh-joanneum.at/en/projekt/soulmate/>
- Lifezone - Stadt der kurzen Wege – for the city of Graz, the 15-minute city concept
- E-Mobilität im Mariazellerland-Mürztal: <https://www.fh-joanneum.at/blog/e-mobilitaet-im-mariazellerland-muerztal-wir-bewegen-die-region/>

Research focus:

- Active mobility
- E-mobility and regional development
- Urban development
- Smart innovative mobility solutions
- Traffic safety
- Public transport
- Traffic simulations
- Environmental pollution

**Awards:**

- Student awards – Young Author Award 2018 & VCÖ Mobilitätspreis 2018
- Project awards – Energy Globe Styria 2021 to the Energy Analytics and Solution LAB & VCÖ Mobilitätspreis 2021 to the SOULMATE project

**University of Pardubice (Czech Republic) – Jiří Pašek:**

- Ideal location with easy access - in the centre of Europe with Pardubice located in the centre of the country with good public transport connectivity
- University founded in 1950 with Faculty of Transport Engineering founded in 1993

**Faculty of Transport Engineering:**

- Approx. 1.300 students
- Offer Bachelor, Master and Doctoral degrees
- Interaction at science and research projects
- Connection between theory and practice
- High graduate employment rate
- Educational and Research Centre in Transport, Traffic Hall and Testing Laboratories

**Educational offer Bachelor degree:**

- All programmes offered in Czech and are of duration 3 years
- Transport Management and Marketing
- Transport Technology and Control
- Logistics
- Vehicle Design
- Transport Structures
- Operation and Maintenance of Vehicles
- Electric Traction and Electromobility
- Engineering, Technology and Management of Air Transport

**Educational offer Master degree:**

- All programmes offered in Czech and are of duration 1.5 - 2 years
- Transport Management, Marketing and Logistics
- Transport Technology and Control
- Transport Structures
- Operation and Maintenance of Vehicles
- Vehicle Design
- Electric Traction and Electromobility

**Educational offer Doctoral degree:**

- In English and of duration 4 years
- Transport Means and Infrastructure
- Transport Technology and Management

**Educational offer current developments:**

- They are at the final stage of accrediting 2 Masters programmes in English (opening in 2023/2024):

- Transport Operations Management
- Rail Vehicles
- They are **seeking partner institutions** with which they can create either joint masters or double degree masters on the two new study programmes in English

Research:

- CityGo project: collaborative online international community for students on the topic of sustainable cities
- The teaching module from University of Pardubice nominated for this project is “Sustainable Mobility” (6ECTS)
- Foreign students can be invited to this project

### TOPIC 3. PROGRESS REVIEW

Guide development progress:

- Jules van Herpen (BUAS) in communication with universities for filling in their profile
- All records to be finalized before the summer
- All universities which have not yet replied are kindly asked to do so as this guide will be used for international exposure of the network and its partners

Webpage CIVITAS Educational Network (public):

- Link: <https://civitas.eu/mobility-powered-by-youth#educational-network>
- Directory CIVITAS website: Community -> Mobility Powered by Youth
- Currently a draft version, still can be shaped according to universities` feedback; the CIVITAS website does not allow partners to actively share information, it provides a snapshot of the network, its partners and the activities
- Universities are asked to review the page and provide feedback via email
- Utilizing European Year of Youth -> partners are asked to share news items promoting their past/current/future student activities which will be posted on the CIVITAS website (no limitation of other universities involved not being part of the network; only requirement is that it is a student activity related to mobility)
- Link to share news items advertising student activities: <https://civitas.eu/share-your-content>

Collaborative space for exchanging information within the network (private):

- Yet to be developed
- Private; only accessible by the university network partners, as CIVITAS website does not allow opportunities for knowledge exchange

Idea for a joint student activity organized through the network:

- Photo competition for an EU project
- There is a small budget from CIVITAS ELEVATE for awarding the winners
- Photo competition proposal – showing good and ‘bad’ examples of mobility solutions with elaboration description of where it is, what is the issue these solutions are trying to solve -> collecting a database of examples & making students aware of their surrounding and be critical of it

#### Future student CIVITAS activity:

- Mobility Powered by the Youth Conference as part of the Urban Mobility Days – second edition, after the summer break
- Universities are asked to already brainstorm which students can be invited to participate

#### Future direction of the CIVITAS Educational Network – feedback universities:

- Current issue: same people participating in the sessions -> is there a need for separate working groups?
- University of Pardubice: if groups are split, university will attend all sessions, so proposal is to merge them
- FH JOANNEUM University: if groups are split, university will attend all sessions; however, if merged, the meeting should be more regular than just in every three months
- Breda University: a general meeting with announcements and after universities continue communication bilaterally
- Technical University of Crete: one general assembly (meeting) every two months for 1-1.5 hr and a specific working group (e.g., master degrees as being a priority right now)
- **Final decision: one general meeting and a working group dedicated to the creation of joint masters; and in the future – on a needs basis way**
- Another small-scale survey will be launched soon to understand needs

### TOPIC 4. CONCRETE FUTURE ACTIONS/STEPS

<i>Action point</i>	<i>Who?</i>	<i>Deadline</i>
Schedule next general meeting	BUAS	March
Distribute the slides of University of Pardubice and FH JOANNEUM University of Applied Sciences	BUAS	March
Inform about the request of University of Pardubice seeking partner institutions for the creation of joint masters	BUAS	March
Universities to submit news items promoting their student activities via the CIVITAS website: <a href="https://civitas.eu/share-your-content">https://civitas.eu/share-your-content</a>	All institutes	March
3 universities prepare a presentation for the next session of their educational/research offer, etc. (10 min. presentation each)	Technical University of Crete (GR) Hasselt University (BE) University of Novi Sad (RS)	Presenting during the next general meeting

## CIVITAS Educational Network: GENERAL SESSION JUNE 2022

### *Meeting notes*

**Date:** Thursday 2 June 2022 (14.00 - 15.00 CET)

**Format:** Online via Teams

**Main objective:** During this session the aim is to review the progress of the network so far and to agree on the future steps in its development.

#### Agenda:

1. University pitches
2. University announcements
3. Concrete future actions/steps

#### Participants:

Full name	Institution
Nina Nesterova	Breda University of Applied Sciences (NL)
Ekaterina Uzunova	Breda University of Applied Sciences (NL)
Theocharis Tsoutsos	Technical University of Crete (GR)
Patricia Hellriegel	Hasselt University (BE)
Erika Sandow	Umeå University (SE)
Marko Slavulj	University of Zagreb (HR)
Libor Svadlenka	University of Pardubice (CZ)
Carolina Ciprés	Zaragoza Logistics Center (ES)
Zuzana Ladzianska	Slovak University of Technology in Bratislava (SK)
Odile Arbeit de Chalendar	Gustave Eiffel University (FR)
Clemence Cavoli	University College London (GB)
Miquel Estrada	Technical University of Catalonia (ES)



## TOPIC 1. UNIVERSITY PITCHES

### Technical University of Crete (Greece) – Prof. Theocharis Tsoutsos (Director, Renewable and Sustainable Energy Lab):

- Small scale, 5 degree programmes, 10+ MSc programmes, 5 Doctoral programmes, 1 research institute
- Representative from the School of Chemical & Environmental Engineering

#### Renewable and Sustainable Energy Lab:

- Participation in (or coordination of) various EU-funded projects:
  - CIVITAS SUMP-PLUS (co-creation of a simplified SUMP in small cities; creation of GIS tools; <https://sump-plus.eu/>)
  - CIVITAS DESTINATIONS (14 sustainable mobility measures implemented in the city of Rethymno, such as monitoring traffic flows and introducing electromobility; <https://civitas.eu/projects/destinations>)
  - GREEN TUC CAMPUS (clean energy for clean mobility; <https://www.interregeurope.eu/good-practices/green-university-strategy-for-tuc>)
  - Interreg CROSS-COASTAL-NET project: development of interregional network promoting sustainable coastal tourism (<https://cross-coastal-net.eu/en/>)
  - Interreg MED - COMPOSE PLUS project (<https://compose.interreg-med.eu/>): presenting at The Festival of the New European Bauhaus (9-12 June 2022 in Brussels)
- Cooperation with Greek local and regional authorities
- Participation in various networks (e.g., UNWTO, Clean Energy for EU Islands and CIVINET Greece-Cyprus):
  - Participation in the network of European University on Responsible Consumption and Production (EURECA-PRO; a network of 7 universities creating common graduate programmes; <https://www.eurecapro.eu/>)

#### Recent sustainable mobility publications:

- Sustainable Mobility for Island Destinations ([LINK BOOK](#))
- European Mobility Atlas 2021 ([LINK ATLAS](#))

#### Proposal for a summer school:

- A sustainable mobility summer school in 2023 at the Technical University of Crete (Chania, Crete)

### **Hasselt University (Belgium) - Patricia Hellriegel (Education & Internationalization, Transportation Research Institute IMOB):**

- Located in the Dutch-speaking part of Belgium, close to the border with the French-speaking part, the Netherlands and Germany
- Two campuses in the city of Diepenbeek: Campus Diepenbeek and Campus Hasselt
- The Transportation Sciences department moving from Diepenbeek to the city of Hasselt in September
- 7 faculties and 2 schools
- Representative from the School of Transportation Sciences

#### Educational offers:

- 5 English-taught master programmes:  
Science in Management (60 ECTS)  
**Science in Transportation Sciences (120 ECTS)**  
Science in Biomedical Sciences (120 ECTS)  
Science in Statistics (120 ECTS)  
Science in Interior Architecture (60 ECTS)
- Programmes in Transportation Sciences:  
Bachelor programme in Dutch on campus (180 ECTS; 3 years; full-time)  
Master programme in Dutch  
Master programme in English on campus (120 ECTS; 2 years; full-time)\*  
Master programme in English by distance for professionals (120 ECTS; 3 years; part-time)\*  
*\*The English master track is internationally-oriented with guest lectures from all around the world, international case study cities, students coming from different parts of the world (40+ nationalities)*
- Curriculum international master:  
1<sup>st</sup> year – various courses related to policy, behaviour, ITS, etc. and possible specializations in Traffic Safety or Transport Policy & Planning  
2<sup>nd</sup> year – Internship (**can be done internationally; always open for internship offers for their students**), courses and a master thesis
- International collaboration:  
Offering joint or dual degree programmes with partner unis  
Participating in international projects (e.g., Erasmus+)  
Joint supervision of master dissertations or PhDs

#### Research offers:

- Transportation Research Institute (IMOB) – 50 researchers, 5 spin-offs, 35 on-going projects
- Focus on transportation, road safety and particularly **behaviour** (studying the interaction between infrastructure, technology and behaviour to predict mobility flows and make traffic safer)

- They have a driving simulator and a project with a collaboration with a Japanese university on a motorcycle simulation
- Portfolio of projects: <https://www.uhasselt.be/en/instituten-en/transportation-research-institute-imbob/portfolio>
- Project examples:
  - H2020 i-DREAMS (about safety tolerance zones; <https://idreamsproject.eu/wp/>)
  - H2020 Track & Know (Big Data for Mobility Tracking Knowledge Extraction in Urban Areas; <https://trackandknowproject.eu/>)

Comments from other universities:

- Gustave Eiffel University has a bike and autonomous driving simulator; their campuses in Lyon and Marseille are working on the topic of safety, regulation and prevention of accidents (possibilities for collaboration with Hasselt University)
- 

## TOPIC 2. UNIVERSITY ANNOUNCEMENTS

**University of Pardubice is looking for partners for the project application:**

- Erasmus+ Call Alliances for Innovation (factsheet: <https://op.europa.eu/en/publication-detail/-/publication/454e33e1-c1e4-11ec-b6f4-01aa75ed71a1/language-en>)
- Proposals must focus on one of the 14 industrial ecosystems, one of them being **Mobility - Transport – Automotive**
- University of Pardubice can be in the position of a partner, they are looking for more university partners and a leader of the consortium
- Deadline for submission of applications: **15 September 2022 – 5 pm (Brussels time)**

**Urban Mobility Days 2022 (UMD 2022):**

**Dates:** 20-22 September 2022

**Location:** Brno, Czech Republic

**Theme:** Moving people and goods more sustainably

**Register here:** <https://www.eumd.org/en/>

**Mobility Powered by the Youth Conference II (an event part of the UMD 2022):**

**Date:** 20 September 2022

**Location:** Brno, Czech Republic

**Status:** Applications have been assessed, current on-going interviews with the candidates

Some of the candidates from the educational network partner universities:

- Jennifer Hostland (FH Joanneum University of Applied Sciences, Austria)
- Hannes Delaere (Vrije Universiteit Brussel, Belgium)
- Sheba Nair (Tampere University, Finland)
- Gabriele Iannaccone (Roma Tre University, Italy)
- Nikola Biškup (University North, Croatia)

#### OPEN CALL:

- There is a spot for one university part of the network to do a **pitch** as part of the opening plenary of the event
- University representatives from the network are invited to **join the panel discussion** at the end of the event on the topic of *“What will the future of mobility look like and how can youth be involved in shaping it?”*

#### TOPIC 3. CONCRETE FUTURE ACTIONS/STEPS

- No meeting needed in July; the next session will take place in September 2022
- Topics for discussion from September 2022 onwards:
  - The educational network guide will be made available in September providing a good overview of the offers of universities; discussions about guest lecture exchange to resume
  - A sustainable mobility summer school in 2023 at the Technical University of Crete:
    - 4-5-days event with morning sessions
    - At the end of the event, the teams present their ideas/solutions
    - TUC can offer the local organization of the event (event space, etc.)
    - Preferred period to do it is September 2023
  - How to anchor CIVITAS knowledge in existing curriculums:
    - CIVITAS e-courses: <https://civitas-learningcentre.talentlms.com/index>
    - CIVITAS learning resources: <https://civitas.eu/learning-centre>

<i>Action point</i>	<i>Who?</i>	<i>Deadline</i>
Institutes to indicate their interest in the Erasmus+ Call Alliances for Innovation to University of Pardubice	All institutes	July 2022
Institutes to indicate their interest in participating in the UMD 2022 and Mobility Powered by the Youth Conference to Breda University of Applied Sciences	All institutes	July 2022
Schedule the meeting for September	BUAS	August/Sept 2022
Universities prepare a presentation for the next session of their educational/research offer, etc. (10 min. presentation each)	Universitat Politècnica de Catalunya · Barcelona Tech - UPC	Presenting during the next general meeting

## CIVITAS Educational Network: GENERAL SESSION NOVEMBER 2022

### *Meeting notes*

**Date:** 2 November 2022 (14.00 – 15.00 CET)

**Format:** Online via Teams

**Focus group:** University representatives active in the field of urban mobility

#### Agenda:

1. University pitch
2. University updates
3. Further steps to be agreed upon

#### Participants:

Full name	Institution
Nina Nesterova	Breda University of Applied Sciences (NL)
Ekaterina Uzunova	Breda University of Applied Sciences (NL)
Marko Slavulj	University of Zagreb (HR)
Libor Svadlenka	University of Pardubice (CZ)
Jiří Pašek	University of Pardubice (CZ)
Carolina Ciprés	Zaragoza Logistics Center (ES)
Isabel Froes	CBS - Copenhagen Business School (DK)
Hana Bruhova Foltynova	Jan Evangelista Purkyně University in Ústí nad Labem (CZ)
Ilie Bricicaru	Technical University of Moldova (MD)
Theocharis Tsoutsos	Technical University of Crete (GR)
Martijn Kiers	FH JOANNEUM GmbH University of Applied Sciences (AT)
Giacomo Lozzi	Roma Tre University (IT)
Valentina Mirovic	University of Novi Sad (RS)
Oscar Nissin	Metropolia University of Applied Sciences (FI)
Zuzana Ladzianska	Slovak University of Technology in Bratislava (SK)
Marián Gogola	University of Žilina (SK)
Agnieszka Michalska	Motor Transport Institute (PL)

## TOPIC 1. UNIVERSITY PITCH

### Transport Research Lab – Roma Tre University (IT)

**Dr. Giacomo Lozzi, Research & Project Manager, Transport Research Lab – Roma Tre University**

- Part of the Department of Political Sciences
- Focus on policy and measures related to sustainable urban mobility and logistics

#### **Core research areas**

Behaviour and preference analysis:

- Understanding behaviour of users and their ex-ante acceptance, adaptation and response to new (urban mobility) solutions.
- Research outputs used by policy-makers and companies for the introduction of new solutions.

Policy evaluation and impact assessment:

- The assessment quantifies the effect of new policy/solutions compared to the status quo.
- Analysis can be based on real data or simulations of the potential impacts.

#### **Project example: L-3D** (<https://www.trelab.cloud/l3d/>)

- Design and questionnaire - Involves behaviour and preference analysis and has been used for the identification of measures for the new sustainable urban logistics plan of the City of Rome. A questionnaire has been sent to stakeholders to define their preferences related to new possible solutions.
- Policy mix prioritization – a software has been developed converting the answers from the questionnaire into a ranking of the top shared policy mix.
- Storytelling and validation – impact assessment is being carried out of the potential solutions which will be represented via dynamic visualization.

#### **Services**

- They run the Logistics Living Lab of the City of Rome (<http://www.trelab.it/living-lab/>) – a follow-up from the EU project CITYLAB (<https://civitas.eu/projects/citylab>). Members of the living lab are various public actors, associations and organizations and companies.
- Synergies and integration of projects – participation in various EU projects together with City of Rome. Call for Ideas launched last year where they ask local operators for the projects they want to test and how this can be integrated into existing projects or new proposals.

#### **Studies**

- On-demand: e.g., Providing the European Parliament's TRAN Committee with an overview on the state of play of sustainable and smart transport:  
[https://www.europarl.europa.eu/thinktank/en/document/IPOL\\_STU\(2020\)652211](https://www.europarl.europa.eu/thinktank/en/document/IPOL_STU(2020)652211)

### **Comments from other institutes**

Isabel Froes (CBS, DK) notes that they see the possibility of using the tool used in Rome for another project – for involving stakeholders in other cities.

Nina Nesterova (BUAS, NL) asks about the way research they produce feeds back into education. Giacomo Lozzi specifies that the researchers from the lab give different courses related to economics and statistics. Giacomo himself gives a seminar to students on multi-level governance of transport, from EU to local environment. They have opened a traineeship position which can be currently only applied for by students from Roma Tre, but they want to have student exchange programs in the future with members of the network.

## **TOPIC 2. UNIVERSITY UPDATES**

### **Urban Mobility Days 2022 and Mobility Powered by the Youth (Brno, Czech Republic | 20-22 September)**

Web: <https://civitas.eu/umd-2022>

Impressions from a network member who participated:

- Theocharis Tsoutsos (Technical University of Crete): active youth participants, relevant themes presented, good recognition and positive feedback from the European Commission (DG MOVE and CINEA); note for improvement: to have a bigger audience in future editions, maybe, by being part of the main program after the official opening and not before that.

### **CIVITAS Educational Network dinner during UMD 2022**

- University of Pardubice introduced their new joint master study Transport Operations Management.
- University of Zagreb introduced their 2nd International Conference Public Transport & Smart Mobility PTSM 2022: <https://www.fpz.unizg.hr/ptsm/>.

Discussion on future collaboration opportunities:

- CIVITAS fellowship fund (to finance students' movements)
- Connection to Erasmus +
- Create a publication repository of the members of the network
- CIVITAS scholarship (2 positions as a beginning)
- Connection, at least thematically, with other EU initiatives
- Bilateral/multilateral cooperation (MoUs for staff & students exchange)
- Horizon calls - direct involvement of young researchers in projects (e.g., Young Advisory Board)

Other ideas: universities are asked to propose other points in addition to those above by email to Dr. Nina Nesterova ([nesterova.n@buas.nl](mailto:nesterova.n@buas.nl)) and Ekaterina Uzunova ([uzunova.e@buas.nl](mailto:uzunova.e@buas.nl)). They will then compile all points into one message and forward it to the project lead of CIVITAS.



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### ***Additional proposal from University of Pardubice for future collaborations***

Offering Blended Intensive Programme (BIP) – combination of a short physical mobility with virtual mobility for students and staff - <https://erasmus-plus.ec.europa.eu/programme-guide/part-b-information-about-the-actions-covered-by-this-guidekey-action-1-learning-mobility-of-individualsmobility-project-for-higher-education-students-and-staff>.

- Topic offered by University of Pardubice – Sustainable mobility (pdf attached to email)
- Pilot term – winter semester 2023/2024

### ***CIVITAS Catalogue on Education in Urban Mobility***

Available at: <https://civitas.eu/education-catalogue>.

- An overview of educational offers in (or related to) urban mobility, offered by educational institutes all across Europe. 32 institutes | 72 offers | 19 countries | 27 cities current part of the document.
- Living document – universities are invited to review the document and write to BUAS representatives if they want a program currently missing to be integrated into the document.
- Contact Dr. Nina Nesterova ([nesterova.n@buas.nl](mailto:nesterova.n@buas.nl)) and Ekaterina Uzunova ([uzunova.e@buas.nl](mailto:uzunova.e@buas.nl)) if you want to feature your study programmes in the catalogue.

Feedback from universities:

- Martijn Kiers (FH JOANNEUM GmbH University of Applied Sciences): introduce a contact person in the fact sheets, the right contact from the CIVITAS Educational Network.
- Theocharis Tsoutsos (Technical University of Crete): to increase the visibility of the catalogue, all of us from the network can repost the CIVITAS post about it in our LinkedIn. Link to post: [https://www.linkedin.com/posts/civitasinitiative\\_urban-mobility-europe-activity-6986241754240851968-dZBD?utm\\_source=share&utm\\_medium=member\\_desktop](https://www.linkedin.com/posts/civitasinitiative_urban-mobility-europe-activity-6986241754240851968-dZBD?utm_source=share&utm_medium=member_desktop)
- Nina Nesterova (Breda University of Applied Sciences): please also distribute it among your students.

### TOPIC 3. FURTHER STEPS TO BE AGREED UPON

#### ***Continuation of the CIVITAS Educational Network***

- The CIVITAS 2020 Coordination and Support Action (CIVITAS ELEVATE) ends in March 2023.
- BUAS has been leading the network as they had budget from the CIVITAS ELEVATE project to initiate the network and to run it.
- For the upcoming 5 months, BUAS invites all network members to discuss how to continue the network beyond March 2023. BUAS has already discussed with another network of universities in logistics about the ways such networks can continue to thrive. One way to set up the organization is to create an association with very low membership fees, which gives more opportunities to join projects (etc.).
- BUAS will send out a short survey to understand where members see the added value of the network and what is the preference on how to continue – as a network, association, etc; what can be the structure of the network.
- Option to have the annual CIVITAS Educational Network event in-person in Breda (NL) in February 2023 (TBC; 2-day event).

#### Feedback from universities:

- Isabel Froes (Copenhagen Business School): AURORA network (<https://aurora-universities.eu/>) – could be interested to explore more about it. Isabel will update the network members on her talk with a member of AURORA about their operational/financial model.
- Giacomo Lozzi (Roma Tre University): Is it an option to continue being part of the CIVITAS Initiative? – currently unknown.
- Nina Nesterova (Breda University of Applied Sciences): We can become more independent which has so many advantages. Of course, it is great to be connected to CIVITAS as we can see, however, operationally it could be much easier to be independent. For example, then we can have our own website and we can set any direction of the network we agree on without being influenced from the outside. We can stay closely connected to CIVITAS, but to have a certain degree of freedom.
- Theocharis Tsoutsos (Technical University of Crete): We participate in several networks for many years. Two important things to sustain the network – to have a clear identity (having a logo, not heavy or complicated identity, but clear and concise); to have a membership fee – as each university participates in several networks, it needs to be clear how this network adds a value for the universities. I also agree it is good to have a close connection to CIVITAS, but also be more independent.
- Jiří Pašek (University of Pardubice): Now that we have established contact with the other universities, we can reach out to each other without the background organizational level. However, the organizational structure we have now is very beneficial, because this gives opportunity to discuss in a group and not only bilaterally.
- Martijn Kiers (FH JOANNEUM GmbH University of Applied Sciences): it would be nice if we all agree on a week for the annual CIVITAS Educational Network event in-person as soon as possible so we can block it in our agenda.

**CONCRETE FUTURE ACTIONS/STEPS**

<b>Topic</b>	<b>Action point</b>	<b>Who?</b>
CIVITAS Catalogue on Education in Urban Mobility	Universities are invited to review the document and write to BUAS representatives if they want a program currently missing to be integrated into the document.	All institutes
	Edit catalogue with new additions from universities and check the feasibility of adding a contact person from the network to the fact sheets.	
	Universities are invited to reshare the LinkedIn post advertising the catalogue.	
	Universities are invited to share the catalogue with their students.	
In-person event in February 2023	Discuss the possibility to have the annual CIVITAS Educational Network event in-person in Breda in February 2023 with the project officer.	BUAS
	Decide on a week for the annual CIVITAS Educational Network event in-person in Breda (TBC)	All institutes
Future of the network	Universities are asked to propose additional points for the list of future collaboration opportunities within the network to be sent to the project officer by BUAS.	All institutes
	BUAS will send out a short survey to understand where members see the added value of the network and what is the preference on how to continue.	BUAS
	Isabel Froes (Copenhagen Business School) will update the network members on her talk with a member of AURORA network about their operational/financial model.	Isabel Froes (Copenhagen Business School)
Next meeting of the network	Universities prepare a presentation for the next session of their educational/research offer, etc. (10 min. presentation each)	Universitat Politècnica de Catalunya · Barcelona Tech - UPC