



2nd meeting

Semester 02 – 29/04/2020

PP2

Municipality of Bitola as host

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1. Invitation and Agenda

Integration of Green Transport in Cities

Green Inter-e-mobility

2nd meeting agenda

On-line meeting

Wednesday, 29-04-2020

29.04.2020 (Wednesday)

Venue: "On-line"

Starting time – 10.00 (CEST), 11.00 am (EEST)

- 1) Remarks on the delivered studies of the charging stations and the e-vehicles.**
- 2) Call for tenders for the charging stations and the e-vehicles: monitoring and timeline.**
- 3) Studies of the optimal route scheduling and ITS system: monitoring and timeline.**
- 4) Next meeting scheduling and management issues.**
- 5) Other issues**

End of meeting

The meeting is expected to last maximum 2 hours through Skype.

2. Minutes

The official 2nd meeting that is held on-line due to the coronavirus situation took place on 29th of April 2020. Twelve (12) participants were present, as shown at the participants' lists screenshot below.

The meeting started with the introduction by Mr Dimitris Tsiamitros, the Technical Manager of the project. Following the agenda, the conversation was as follows:

1) Remarks on the delivered studies of the charging stations and the e-vehicles.

All the studies are received by the 4 partners. Mr Goran Nedelkov asked if they can include the studies in the call for tender and make them public. The answer is of course YES.

2) Call for tenders for the charging stations and the e-vehicles: monitoring and timeline.

The municipal enterprise of Prespa will pay the fees that are required from the Hellenic Distribution Network Operator (HEDNO) in order to get the license (service contract) for the PV-charging station and then until end of May 2020 it will launch the call for tender for the charging station. Then until end of July they will launch the call for tender for the e-vehicles as well. The deadline of the end of the year for the delivery of both the charging station and the e-vehicles seem feasible until now.

The same timeline is valid for the municipality of Florina, as long as the revised and finally signed studies arrive by the UoWM in a few days.

Regarding the municipality of Bitola and Resen, they both expect to arrange the service contract with the Distribution Network Operator in May and then launch the call for tenders for the charging station and the e-vehicles until end of June 2020 or maximum end of July 2020. The end of the year for the delivery seems again feasible.

3) Studies of the optimal route scheduling and ITS system: monitoring and timeline.

Mrs Olybia Aggeli from University of Partas delivered a presentation with the evolution of the study for each municipality so far and the additional data that should be collected for the finalization of the studies and the simulations. The traffic flow or the average travel time per itinerary has to be provided by the municipalities that have not did so until now.

Prof Stephanedes also added that any particular problems that are faced by the municipalities have to be mentioned, such as narrow streets, or increased pedestrian traffic during a specific time of the day at a specific area.

Mr Karaggianis suggested that the optimal routes scheduling have to be finalized after the E-vehicles contractor is selected, since their range will affect the studies. Mr Tsiमितros answered that this is correct and therefore the University of Patras are working on several scenarios that include e-vehicles with different range and that the deadline of the delivery of the optimal routes scheduling and the ITS system is the end of September (according to the AF), thus hopefully after the selection of the e-vehicles. However, even if the e-vehicles definition is delayed, the municipalities have the option to cooperate with the UoWM and the UPatras teams after the end of September, in order to update to the extend feasible the studies with the new and possibly different data of the e-vehicles.

At this point, Michalis Petrakos from Prespes municipality pointed out that the situation with the COVID-19 has to be included in the studies of the University of Patras, since now there are more restrictions on the transport of people by municipal vehicles due to the COVID-19 situation and he asked if we can include the transfer of goods or medicines to the elderly people, instead of the elderly themselves, in order to minimize their transport, according to the instructions of the state.

Prof Stephanedes answered that of course the COVID-19 restrictions will be taken into account into the simulations and the study. Also, the transfer of goods is a nice idea. However, this has to be a question that has to be set to the JS and also to the insurance companies of the e-vehicles, where it has to be declared that also goods have to be transferred into the e-vehicle. **The updated O/D requirements would have to be provided prior to realization of the studies.**

Mr Tsiamitros will ask the JS on the above issue.

Then, Mr Kokkonis from the UoWM asked about the necessary data source that have to be collected from the ITS system. Mr Stephanedes suggested the “Open street maps and also from the e-vehicle system and the GPS of the driver and other drivers in the area. Then Mr Kokkonis said that he will finalize the ITS system study concurrently with the UPatras studies.

4) Next meeting scheduling and management issues.

The next meeting is scheduled for the end of August in Resen. The Lead partner will ask in July the JS if that meeting should be scheduled live or on-line again.

The expenses for the current meeting that are not spent, since it was on-line, cannot be spent elsewhere and will return back to the program.

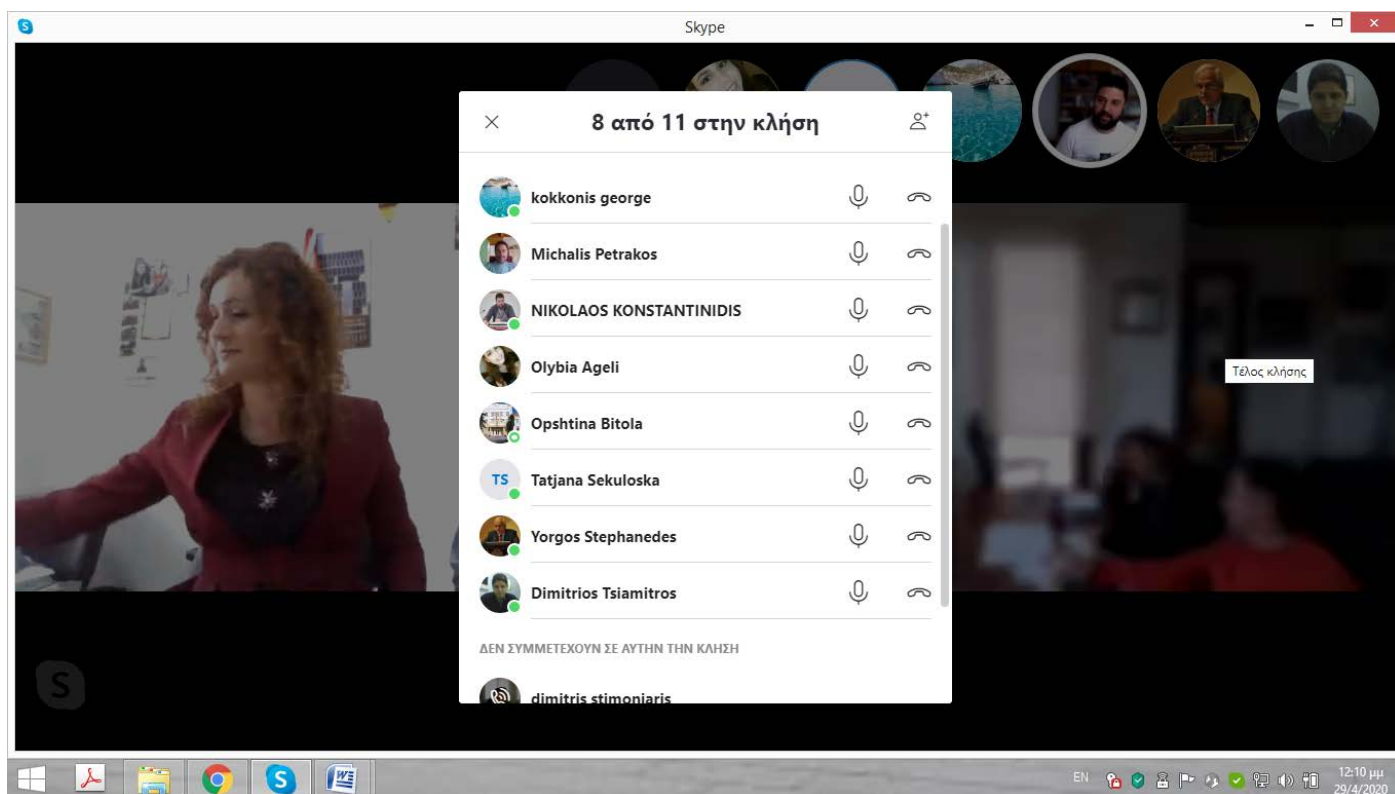
5) Other issues

The Municipality of Bitola asks if the budget for the e-vehicles procurement or the charging stations procurement should be available in the municipality bank account on the day of the call for tender launching or not. The municipality of Prespes (Mr Karagiannis) responded that the money should be in the bank account of the municipality on the day of the contract and not on the day of the call for tender launching.

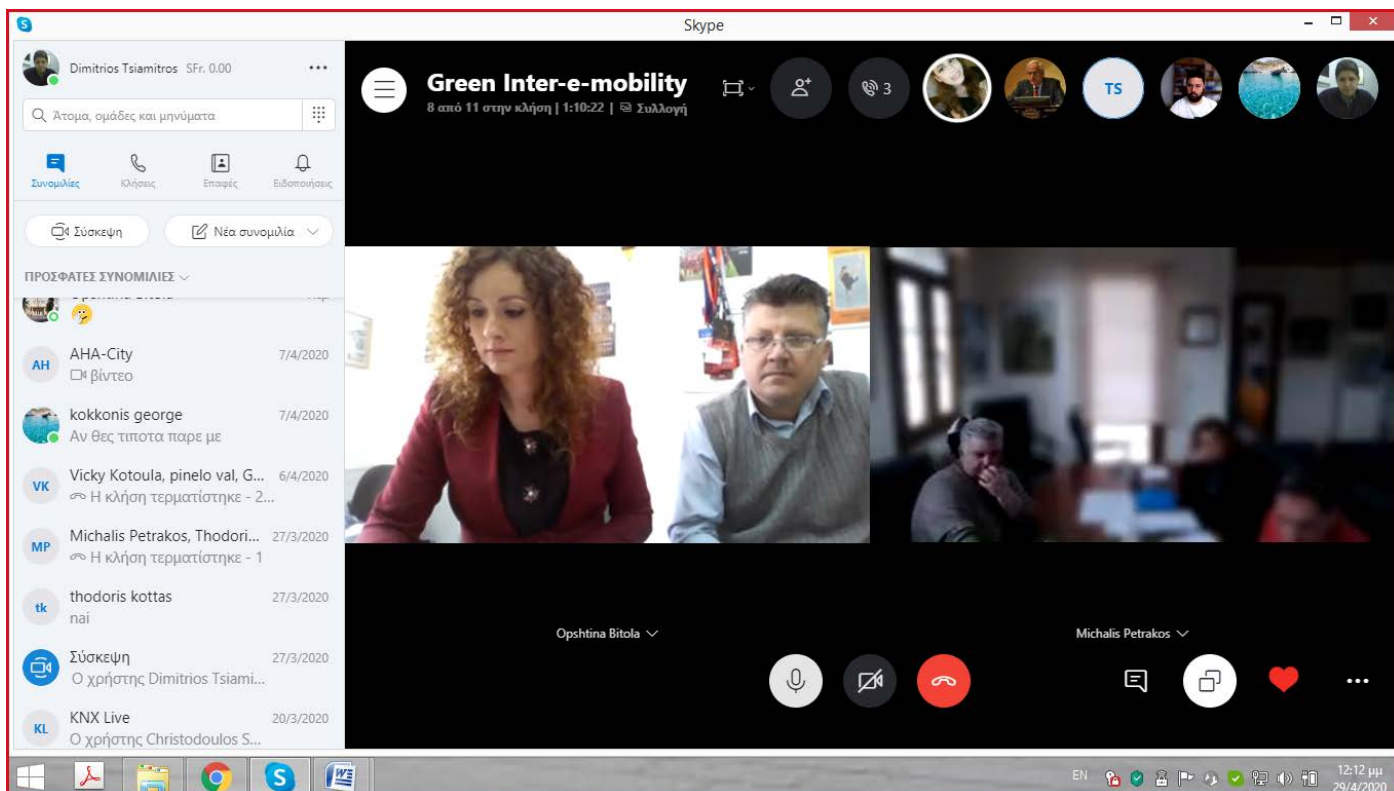
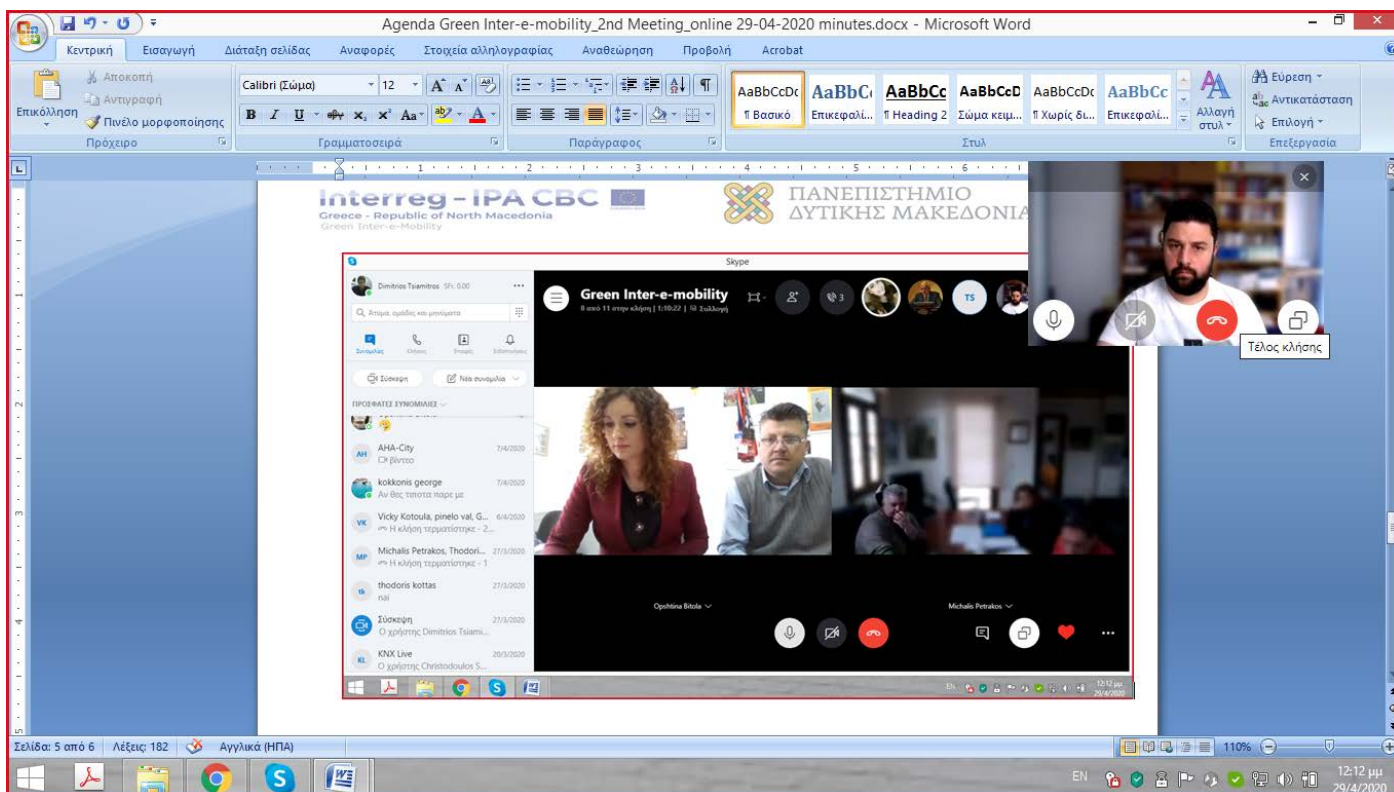
However, the LP will ask the JS for this issue too.

3. List of participants

Partner	Participant
UoWM (LP1)	Dimitrios Tsiamitros
	George Kokkonis
Bitola municipality	Gordana Cvetkovska Bosevska
	Goran Nedelkov
Resen municipality	Tatjana Sekuloska
Municipal Enterprise of Prespa	Eleftheria Tantsouki
	Michalis Petrakos
	Evangelos Karagiannis
	Mayor Paschalidis Panagiotis
Municipality of Florina	Nikolaos Konstantinidis
University of Patras	Prof Yorgos Stephanedes
	Olybia Aggeli



4. Pictures



Interreg - IPA CBC

Greece - Republic of North Macedonia



EUROPEAN UNION



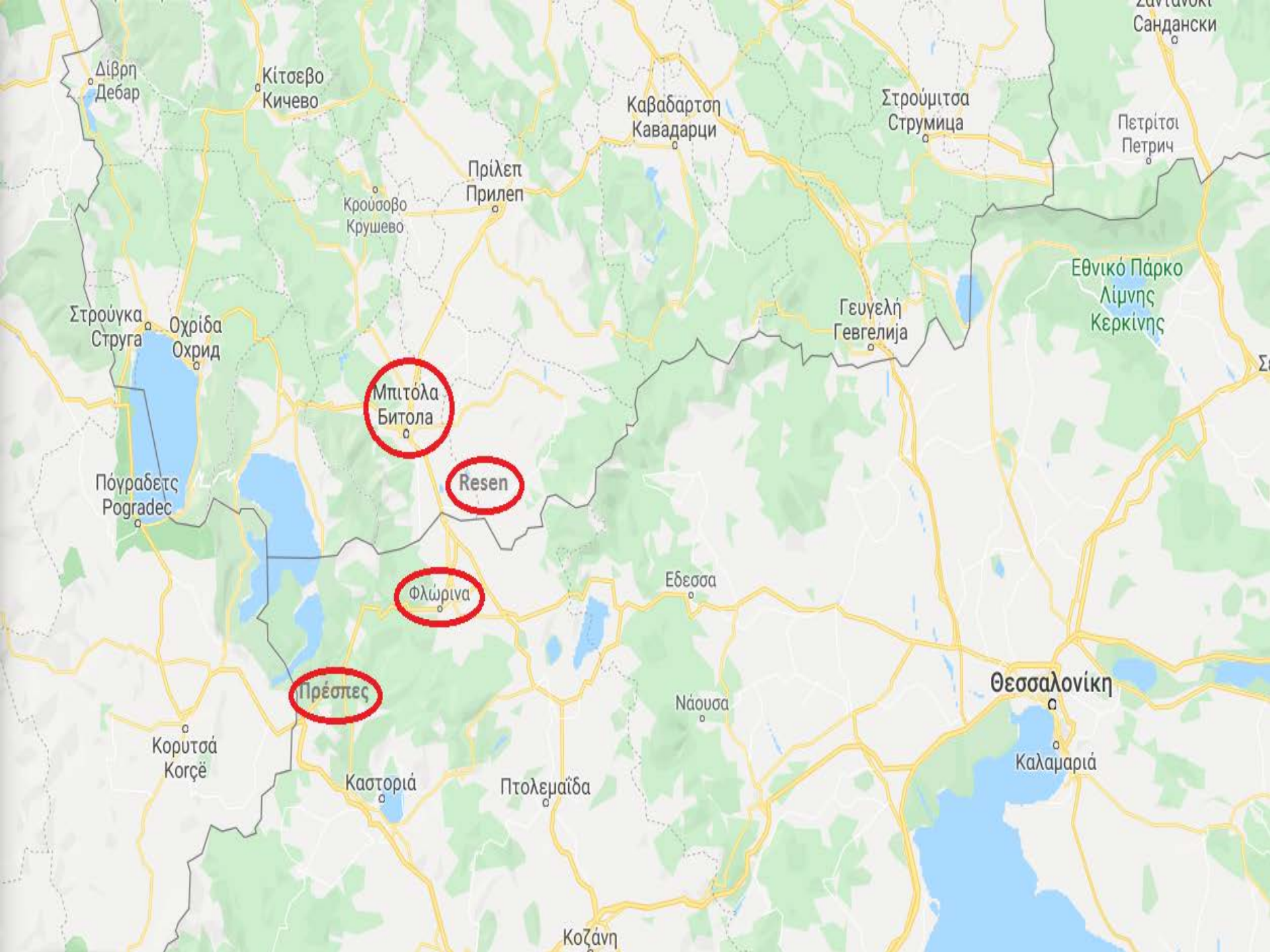
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Collected Transport Data and Route Scheduling

TESS, Department of Civil Engineering,
University of Patras

Skype Meeting

29/04/2020



Μπιτόλα
Битола

Resen

Φλώρινα

Πρέσπες

Πρίλεπ
Прилеп

Existing Problems

Distant - Students



- Conventional public transport or taxi in daily trip to school.
- Especially Prespes Muni. consisting of small villages.

Disabled



Difficulties in daily transport because of heavy winter

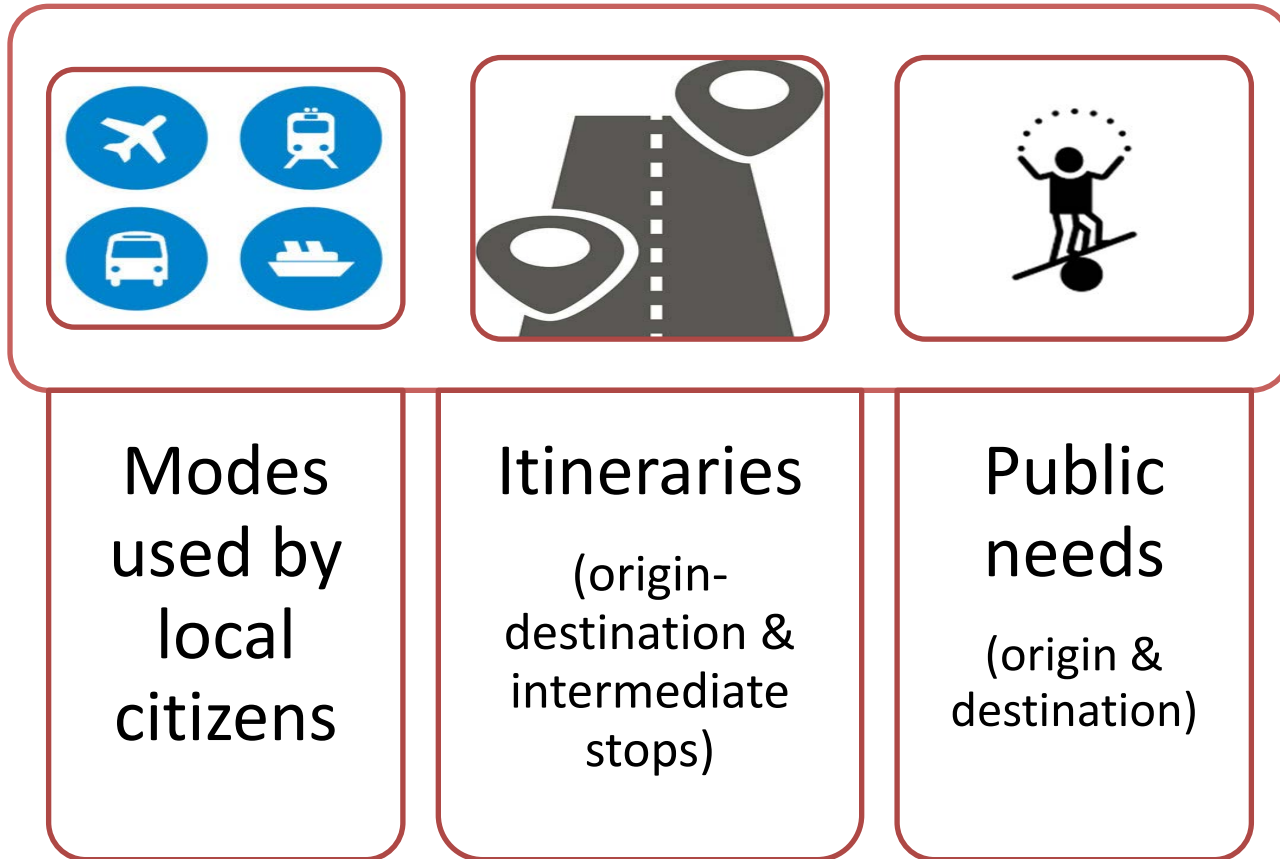
Elderly



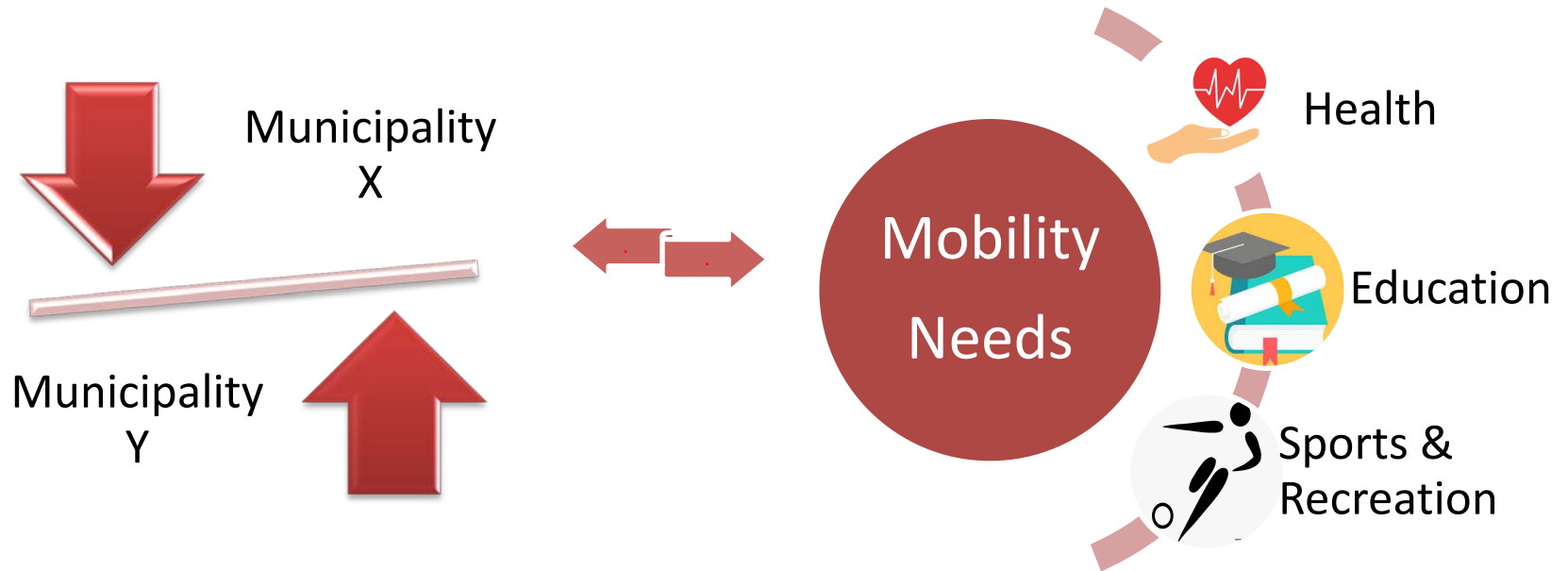
Difficulties in daily transport because of heavy winter.



Data Collection (1/3)



Data Collection (2/3)



Data Collection (3/3)



Charging
Station
Location



Number of e-
minibuses and
their seats



Cycle
Autonomy
(km)



Public Transport Simulation (1/2)



aimsun.

Next 8.4.0 Software

1. Map importing as a road network

2. Public Transport Routing

3. E-minibus Scheduling



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Public Transport Simulation (2/2)



aimsun.

Next 8.4.0 Software

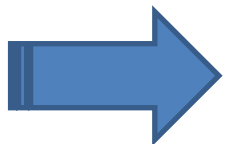


Traffic
Flow

or



Travel Time
in current
itineraries



More accurate time prediction



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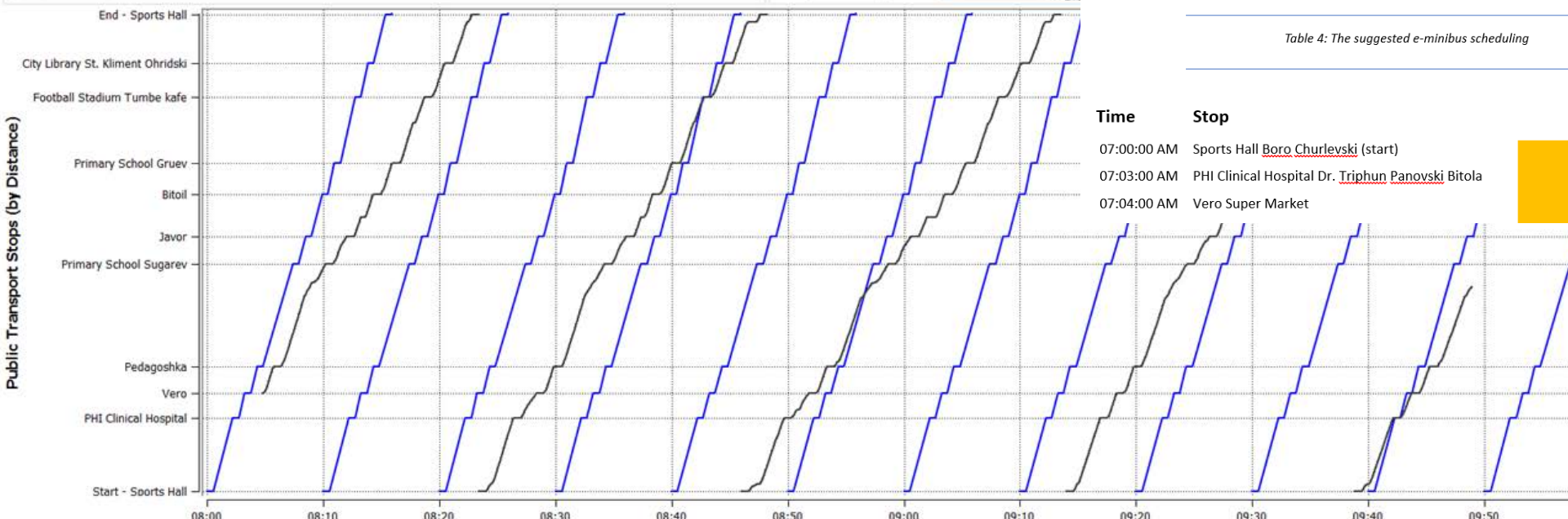
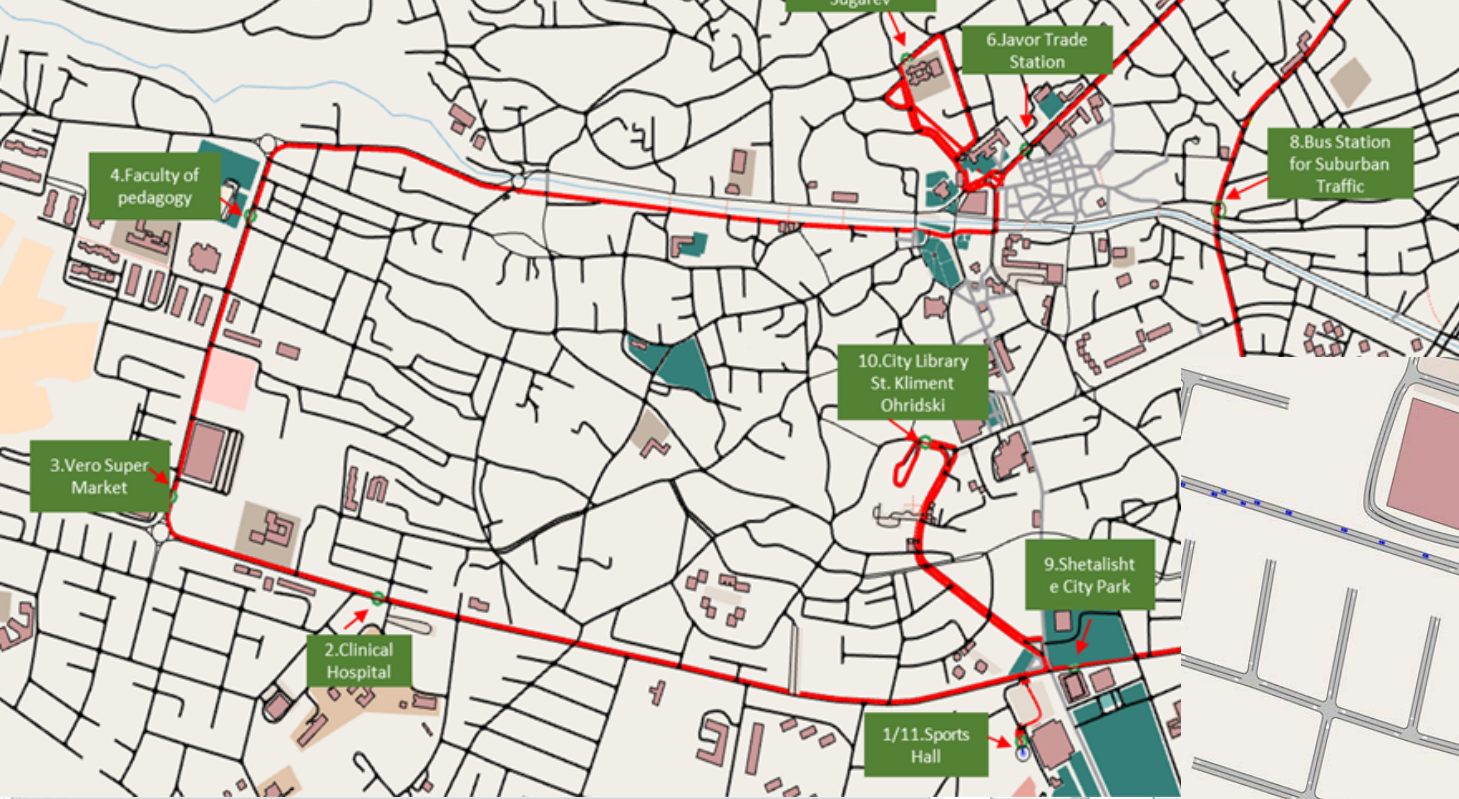
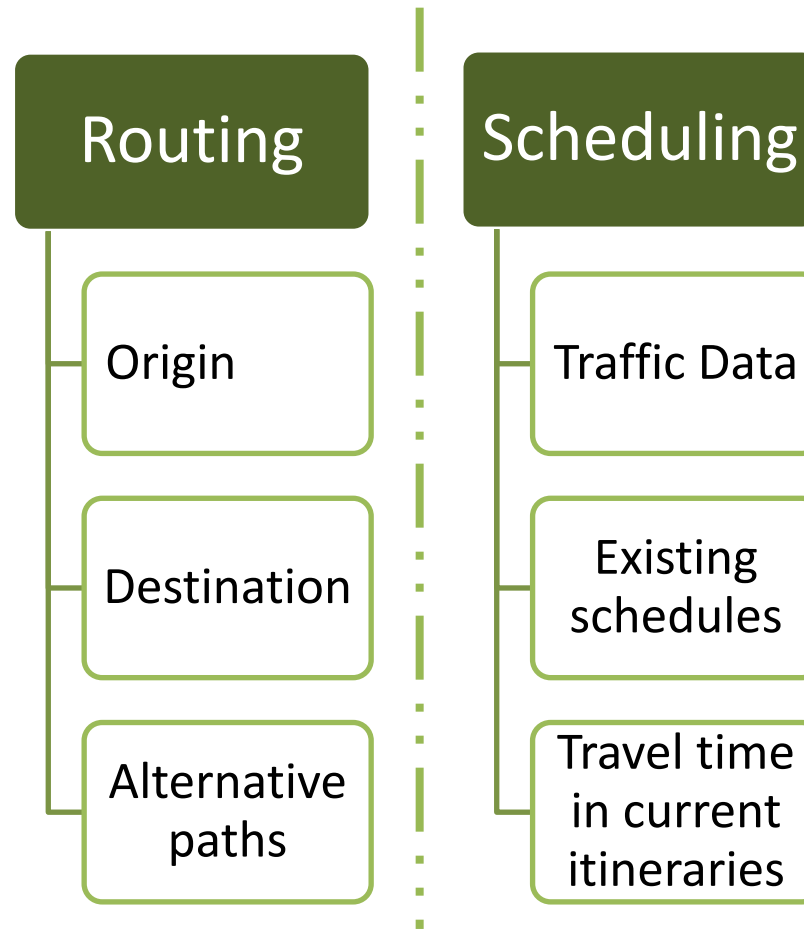


Table 4: The suggested e-minibus scheduling

Further data required



The more data the better !

GREEN INTER-E-MOBILITY

2nd Meeting

Thank you!

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University of Patras

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