



NAAEV

SIM-C 2023

Student Innovative Mobility Challenge

CALL MANUAL

NAAEV

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1. INTRODUCTION

SIM-C (Student Innovative Mobility Challenge) is an initiative of NAAEV (National Association for Autonomous and Electric Vehicles / EIT Urban Mobility - Regional Innovative Scheme Serbia) to support students from top schools in Serbia in their reflections on innovative solutions for more responsible and sustainable mobility tomorrow. The challenge responds, among other things, to the climate problem and the improvement of the quality of life by proposing innovative solutions for tomorrow.

We are aware that change is constant and new ideas will be challenged and perhaps ridiculed in the first place. But it is important that students have a strong will and determination to succeed.

One of the biggest challenges we face today is to be innovative and original in a world where almost everything already exists. It is mainly about reinventing and improving existing theories and technologies.

“The scientific man does not aim for an immediate result. He does not expect his advanced ideas to be easily picked up. His work is like that of the planter—for the future. His duty is to lay the groundwork for those who are to come and to show the way. He lives, works and hopes” (Nikola Tesla).

We are counting on you to take part in this challenge and thus be part of these planters for a better future.

2. CALL SUMMARY

Call for Applications - Main Features *	
Key dates of the Call calendar	<p>Call opening: June 22, 2023</p> <p>Deadline for application: August 22, 2023</p> <p>Result and selection : September 20, 2023</p> <p>Presentation : October 12, 2023 (on the second day of the NAAEV E-Mobility Forum)</p>
Total estimated funding allocated to this call	The total funding allocated to this call is 650.000 RSD
Link for the submission	https://forms.office.com/r/mEnG3byuwe
List of documents to take into consideration	Call Manual
Short summary of the topics to be addressed	<p>The topics to be addressed should be related to one of the 9 challenge areas defined: Active mobility, Intermodality, Mobility infrastructure, Mobility for all, Sustainable city logistics, Creating public realm, Future mobility, Mobility and energy, Pollution reduction.</p> <p>Active Mobility This would include a modal shift from private motorised vehicles to active mobility showing a decrease in noise and air pollution and increasing healthy living.</p> <p>Intermodality This area aims to drive better use of existing mobility services and facilitate the integration of new solutions, business models and mobility modes. This includes increasing interconnectivity and accessibility of, and between, mobility modes and networked hubs.</p> <p>Mobility infrastructure This area aims to promote innovation and improvement in mobility infrastructure and the built environment. This covers architecture and urban planning, community co-design, and use of innovative materials.</p> <p>Mobility for all This area aims to improve physical and geographic accessibility for target groups and vulnerable travelers. The universal service obligations of public transport should be reflected in the design, testing and adoption of new mobility solutions, services and products.</p>

* Please note that this calendar is indicative. Dates may be subject to slight changes

	<p>Sustainable city logistics This area aims to improve urban services, goods delivery and waste management operations through logistics, future vehicle design, behavioural and technological innovations.</p> <p>Creating public realm This area will improve the design, use and management of public spaces, and reduction of space allocated to vehicles. Curbside design with variable and modular use will be considered as well permanent takeback of public space.</p> <p>Future mobility This area promotes digital technologies such as artificial intelligence, 5G, sensors and smart infrastructure. These technologies enable the mobility innovation, such as Mobility as a Service (MaaS), Collaborative – Intelligent Transport Systems (C-ITS), Connected Autonomous Vehicles (CAV) and Internet of Things (IOT), to improve mobility operations and safety.</p> <p>Mobility and energy This area supports the replacement of Internal Combustion Engines (ICE) with cleaner fuel-propulsion solutions requiring new vehicle technologies, retro-fitting, charging/refuelling, and balancing supply/ demand balance.</p> <p>Pollution reduction This area aims to lower levels of mobility-related air and noise pollution, provide mitigation actions, reduce greenhouse gas emissions and increase urban life quality of life. This also includes reductions in particulate matter (PM2.5 and PM10), volatile organic compounds (VOC), nitrogen oxides, sulphur dioxide, carbon monoxide, and black carbon.</p>
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3. GENERAL REQUIREMENTS

NAAEV SIM-C “**Student Innovative Mobility Challenge**” is supported by the Faculties of Mechanical Engineering, Transport and Traffic Engineering and Electrical School of Engineering of the University of Belgrade.

It aims to **develop ideas/solutions** related to one of the 9 challenge areas :
Active mobility / Future mobility / Mobility infrastructure / Mobility for all / Sustainable city logistics / Creating public realm / Intermodality / Mobility and energy / Pollution reduction

Who can apply?

SIM-C is looking for projects/ideas from students/recent graduates offering innovative solutions. The overall purpose of this Call is to provide small financial support to students/recent graduates pursuing innovative projects/ideas and wishing to undertake an entrepreneurial pathway in their careers.

The rewards of this Call are subject to the following eligibility conditions:

- The team must have at least 2 members
- The team can have a maximum of 4 members
- Team members can be from any nationality
- Team members can be full-time students or/and recent graduates (up to one year) from faculties in Serbia
- The team have the possibility to apply maximum with two proposals for this call
- Registered start-ups are not eligible for this Call

The six (6) best proposals will be selected for the 2nd day of the NAAEV VI. **E-Mobility Forum** that will be held on the 12/10/2023. All proposals will be rewarded.

In addition to the established financial reward, the winners will be supported by **NAAEV** in the start-up creation process and will thus be able to participate in programs of EIT Urban Mobility.

The winner of the first prize will have the opportunity to join NAAEV Team to the “**Tomorrow Mobility World Congress**” 2023 in Barcelona from the 7th to the 9th of November 2023.

4. GENERAL APPLICATION PREPARATION AND SUBMISSION

IMPORTANT: Applications submission and all provided documents (as the video) can be written in Serbian or English.

4.1 Support on application preparation

Contact details are available to guarantee the maximum support to the applicants during the application preparation process.

Call Contact points

All applicants may contact NAAEV to resolve any concerns or doubts about the general/technical procedures and Call content.

These are the key contact details of NAAEV team for questions related to this Call:

Contact	Mail
Topic-related questions	dalibor.ignjatovic@naev.rs
General/Administrative questions	info@naev.rs

4.2 Application submission and call calendar

4.2.1 How to apply

Applicants must register and submit the necessary project information and video pitch by following this link: <https://forms.office.com/r/mEnG3byuwe>

Video pitch

The video pitch is a video with a maximum duration of 3 minutes that represents a short presentation of the project. It should present how the problem was identified, the idea behind the product/service/technology, and an explanation why the solution would be adequate for the potential market.

The video link must be integrated within the application form, in the field provided for the link. The applicant bears full responsibility for the quality of the video and its availability to the evaluators.

4.2.2 Call calendar

An indicative timeline is outlined in the table below. Please note that this calendar is indicative. The dates may be subject to slight changes.

Activity	Indicative date
Call Opening	22 June 2023
Deadline for application	22 August 2023
Result and selection	20 September 2023
Presentation	12 October 2023

IMPORTANT: Applications submission and all provided documents (as the video) can be written in Serbian or English.

5. EVALUATION AND SELECTION PROCESS

Once the applicants have submitted their applications before the deadline date, the examiners will proceed to:

- Check eligibility and admissibility of those applications and, if successful:
- Initiate the evaluation of the content

5.1 Eligibility and admissibility check

An application will be eligible if:

1. The submitted application is completed with all its mandatory sections and necessary documents
2. The submitted application complies with the requirements

Applications containing one or more ineligible elements will receive an official communication from NAAEV setting out the outcome of the admissibility and eligibility check and explaining why the application failed to meet the criteria.

The Project Leader of any application deemed inadmissible/ineligible who disputes the ineligibility decision may appeal. This appeal must be made within 5 calendar days of the official notification of ineligibility.

Within 3 working days of receiving the appeal, NAAEV will make a final decision on its acceptance or rejection. There is no possibility of filing any further appeal against this decision.

5.2 Evaluation and scoring system

The evaluators are representatives of the Belgrade University (Faculty of Mechanical Engineering, Faculty of Transport and Traffic Engineering, School of Electrical Engineering), representative of the industry (the main sponsor of the Forum) and representatives of NAAEV.

The evaluation will be addressed according to the following score:

Score	Description	
0	None	The information requested is missing or incomplete
1	Very poor	The information provided is considered irrelevant or inadequate in relation to the requirements of the call
2	Poor	The information provided lacks relevant quality and contains significant weaknesses, compared to the specific Call provisions
3	Fair	The overall information provided is adequate, however, some aspects are unclearly or insufficiently detailed, compared to the specific Call provisions
4	Good	The information provided is adequate with sufficiently outlined details, compared to the specific Call provisions
5	Excellent	The information provided is outstanding in its details, clarity and coherence, compared to the specific Call provisions

5.3 Evaluation of applications

Each application that successfully passes the eligibility and admissibility check is sent to the evaluation process. The evaluation process aims to evaluate the product and technology, market and business model, team, and impact.

Evaluation Criteria	Description	Max. score in points
Excellence, novelty, and innovation (25 points)	Product & Technology	15 points
	• The problem to be solved is clearly identified	5 points
	• Product/service innovation <i>(the solution brings new added value and is not intended for applications that offer standard upgrades - e.g. standard software upgrades or simple product redesign)</i>	5 points
	• Market advantage <i>(Product/Service is different and better than others)</i>	5 points
	Market & Business Model	10 points
	• The application includes a realistic and relevant analysis of market trends and conditions, the competitiveness of the offer as well as a clear identification of opportunities for market introduction.	5 points
	• Market strategy <i>(sales and distribution model, revenue model)</i>	5 points
Team Capabilities (15 points)	Team	15 points
	• Potentials and complementary skills of the team <i>(technical and business focus of the founder)</i>	5 points
	• Diverse and gender-balanced in the team	5 points
	• The team conveys the idea and the possibilities of successful project execution in the right way when presenting its video presentation.	5 points
Impact (5 points)	Expected Impact	5 points
	• The applicant's product or service contributes to sustainable mobility	5 points
Total score		45 points

5.4 Communication of results to applicants

The applicant, in this case the project leader, will receive an e-mail notification with the results of the evaluation. If the applicant does not accept the evaluator's decision, he can file an appeal within five (5) days.

The evaluation team will make a final decision on its acceptance or rejection within five (5) working days. There is no possibility of filing any further appeal against this decision.