

Make cities better, make citizens happier
Seoul Global Challenge 2021



Challenge Topics
 Reducion of particulate matters and Improvement of air quality in subways



Seoul Global Challenge is launched to provide a platform for presenting innovative technology dealing with Seoul's urban problems to global innovators (corporations, universities, research institutes, etc) and enhance the lives of citizens by utilizing innovative technology.

Track 1 **Technology Challenge:**
Reduction of particulate matters in subways

Topics

1. Reduction of wear particles generation	2. Improvement of removal efficiency	3. Improvement of measurement technique	4. Integrated management of air quality inside subway stations

Support Details

1. Fund for prototype development (total KRW 800 million)
2. Total prize money of KRW 630 million

Total Prize Money : KRW 630 million

Topics	Reduction of wear particles generation	Improvement of removal efficiency	Improvement of measurement technique	Integrated management of air quality inside subway stations
1st Place (4-5 teams)	100-200 million (1-2 teams)	100 million (1 team)	100 million (1 team)	80 million (1 team)
Challenge Award (5-6 teams)	30 million	30 million	30 million	30 million

* It will be changed depending on the budget compilation for 2021

Qualifications for Participation

Individuals, corporations, universities, research institutes, research associations, business associations, and industry-academic consortium of domestic or foreign origin that have ideas for new technology for particulate matters reduction(TRL 5 and under).



Timeline



* The timeline may change according to the progress of the project

Submission period

From Oct 14, 2020 to Dec 31 6:00PM(KST)

How to apply

Submit application after signing up at the Seoul Global Challenge website.

- Website : seoulglobalchallenge.sba.kr



Contact

Inquiries	Contact	
Overall participation and business operation	Seoul Global Challenge Team, SBA	+82-2-2222-3752, 754, 726 sbatech@sba-seoul.kr seoulglobalchallenge@gmail.com
Performance evaluation	Urban Railway Research Institute, Seoul Metro	+82-2-6110-8191 eank78@seoulmetro.co.kr

Track 2

Academic Challenge: Improvement of air quality in subways

Topics

		
1. Links between indoor and outdoor air quality in subways	2. Reduction of particulate matters in subways	3. Reduction of viruses in subways
KOSAE	KOSIE	KAPAR

Support Details

1. Total prize money of **KRW 60 million**
2. Opportunity for presentation at a conference : Dec, 2021



Total Prize Money : KRW 60 million

Topics	Links between indoor and outdoor air quality in subways	Reduction of particulate matters in subways	Reduction of viruses in subways
1st place (3 teams) 	Seoul Metropolitan City Mayoral Award and KRW 10 million each (1 for each topic)		
2nd place (3 teams) 	Seoul Metropolitan City Mayoral Award and KRW 5 million each (1 for each topic)		
3rd place (3 teams) 	Seoul Metropolitan City Mayoral Award and KRW 3 million each (1 for each topic)		
Participation award (6 teams, 2 teams for each topic) 	Seoul Metropolitan City Mayoral Award and KRW 1 million each (2 for each topic)		

* It will be changed depending on the budget completion for 2021

Qualifications for Participation

- There is no restriction to number of papers submitted and number of authors
- Only new research papers are subject to application

Timeline



* The timeline may change according to the progress of the challenge

How to apply

Topic	Submit at
Links between indoor and outdoor air quality in subways	Korea Society for Atmospheric Environment (KOSAE) 
Reduction of particulate matters in subways	Korean Society for Indoor Environment (KOSIE) 
Reduction of viruses in subways	Korean Association for Particulate and Aerosol Research (KAPAR) 

* For more information about detailed topic, please refer to the website of each society

Contact by topic

Topics	Contact
Links between indoor and outdoor air quality in subways	(Phone) +82-2-387-1400 (E-mail) kosae@kosae.or.kr KOSAE
Reduction of particulate matters in subways	(Phone) +82-2-2284-1510 (E-mail) kosie@hanmail.net KOSIE
Reduction of viruses in subways	(Phone) +82-2-598-8835 (E-mail) info@kapar.or.kr KAPAR

seoulglobalchallenge.sba.kr

Please refer to the Seoulglobalchallenge website for details

