



August 4, 2021

Secretariat of Science, Technology and Innovation Policy  
Cabinet Office

## An Open Call for Participants to Experience the Simulation Model of Tokyo Waterfront City Area

SIP-adus is working on a construction of Driving Intelligence Validation Platform (hereinafter referred to as “DIVP®”) in virtual space. This is the simulation model of driving environment, radio propagation and sensor, with high consistency with actual phenomenon and is intended to test safety evaluation process under various traffic environments, in order to realize safe and smooth automated driving.

The Call is opened for those who would like to try and experience the model in virtual space simulating the environment of Tokyo Waterfront City area, which is in the area of FOTs in Tokyo waterfront area.

### **1. SIP initiatives for today**

The Second Phase of Cross-ministerial Strategic Innovation Promotion Program Automated Driving for Universal Services (hereinafter referred to as "SIP-adus") aspires to realize a society with higher quality of life for everyone, by making contributions to solving social issues such as reducing traffic accidents and congestions, ensuring mobility for vulnerable road users, and mitigating the driver shortage and reducing the costs of logistics and mobility services, through practically applying, deploying, and expanding automated driving. This is the reason why the program promotes researches and developments for common tasks (cooperative areas) that industry, academy and government should jointly work on.

To ensure safety and reliability is the most important task for social implementation and dissemination of automated driving, for which there is an urgent need to establish safety evaluation methods.

In SIP-adus, development of a simulation model, which is highly consistent with actual phenomenon and which can substitute for an experimental evaluation in the real environment, has been started for safety evaluation under various traffic environments. The construction of the safety evaluation environment platform in virtual space, or DIVP® is being moved forward based on this model.

### **2. Future initiatives for the development of techniques to establish an automated driving evaluation environment in virtual space**

SIP-adus has started building database mainly of Tokyo Waterfront City area, which is in the area of Field Operational Tests (hereinafter referred to as FOTs) in Tokyo waterfront area. In 2021, the verification of consistency with a real environment will be carried out.

In addition, this verification can be an opportunity to hear opinions from various stakeholders, including automobile manufacturers and sensor manufacturers.

This call is looking for participants who would like to try and experience the model of Tokyo Waterfront City area in virtual space and who can give feedback on its usefulness and usability.

For details on application requirements, participation conditions and others, please refer to the application guidelines published by the management secretariat for SIP-adus, of which New Energy and Industrial Technology Development Organization (hereinafter referred to as “NEDO”) is in charge.

### **3. Outline of the Open Call to experience the simulation model of Tokyo Waterfront City area**

#### 1) Experience open

From November 2, 2021 to the end of January 2022

#### 2) Overview of what participants can do in the simulation model of Tokyo Waterfront City area

Participants can find out its usefulness in the process of development and validation of automated driving systems by having access to the available results and related information generated through simulation execution in the prototype DIVP® as the model of driving environment, radio propagation and sensor.

Especially for this experience, the scenario package of (1) NCAP\*1 environment based on measured value and (2) the simulations in the virtual environment of Tokyo Waterfront City area (Odaiba) is prepared. Participants can check the weakness (limits) of sensors that could occur in the real world as a combination of factors (driving environment, roads, terrain, weather, among others). In this virtual space with high reproducibility where test conditions can be variously modified, work efficiency of safety evaluation process would be found improved.

(\*1) **NCAP** (New Car Assessment Program) is an assessment of automobile safety that has been applied in the United States since 1979. The name is also used in other countries and regions.

#### 3) Participants

It is preferable that participants are from corporations and research institutes such as domestic and foreign automobile manufacturers, automobile parts suppliers and universities who are engaged in research and development of automated driving technologies.

#### 4) Application timeline

Open From Wednesday August 4 to Friday October 15, 2021

#### 5) The Open Call for FOTs in Tokyo waterfront area (Simulation model) is issued by NEDO. Please refer to the following for details.

[https://www.nedo.go.jp/english/news/ZZCD\\_100017.html](https://www.nedo.go.jp/english/news/ZZCD_100017.html)

For your participation, please submit the dedicated application form on the above web site.

< Contacts >

About SIP-adus

Secretariat of Science, Technology and Innovation Policy, Cabinet Office

Telephone: 81+3-6257-1334 (direct)

About Open Call for Participants

NEDO Robot / AI Department Mobility Group

Telephone: 81+44-520-5241 (direct) E-mail: [nedo-sip2-rinkai-fot@nedo.go.jp](mailto:nedo-sip2-rinkai-fot@nedo.go.jp)

Click here for the website of the Council for Science, Technology and Innovation

<https://www8.cao.go.jp/cstp/english/index.html>

Click here for the SIP-adus homepage

<https://www.sip-adus.go.jp/>