## Indoor high-precise positioning project



Purpose	Constructing a stress-free society where people, including foreigners visiting japan, can smoothly travel around by 2020 Tokyo Olympics and Paralympics.
	<ul> <li>Lower accuracy of location information inside buildings or underground collected by Wi-Fi, Bluetooth and mobile devices such as smartphone.</li> <li>There are few indoor maps to display collected positioning data.</li> <li>Several indoor maps are provided as a pay service or only for crowded area free of charge, but they are not generally known.</li> <li>The system to develop and update the indoor maps and spread them through the market has not been established yet.</li> </ul>

## **Service Concept**





### Heading towards implementation of High-Precision positioning system

Target area; Tokyo Station Area Expand the target; Airports, Stadiums, Facilities related to Olympics, and transport nodes

Cooperate with government ministries and agencies and carry out demonstrations. e.g. Multilingual voice translation, make use of robot technology

#### Constructing Environment for the Private Sector Service

Constructing a system for	Establis
continuing maintenance	organiz
and update of indoor	mainter
maps	provisio
Making a draft guideline	Improve
of installation of	guidelin
equipment appropriate to	demons
purpose and places	experim

Establishing an organization for map naintenance and provision

Improvement of a draft guideline through demonstration experiment. <Roles of the Private Sector> ----

 Startup of map maintenance organizations (Map for demonstration areas, etc.)

 Application development by private companies (Lead to creation of new service) The finest "omotenashi" in the world

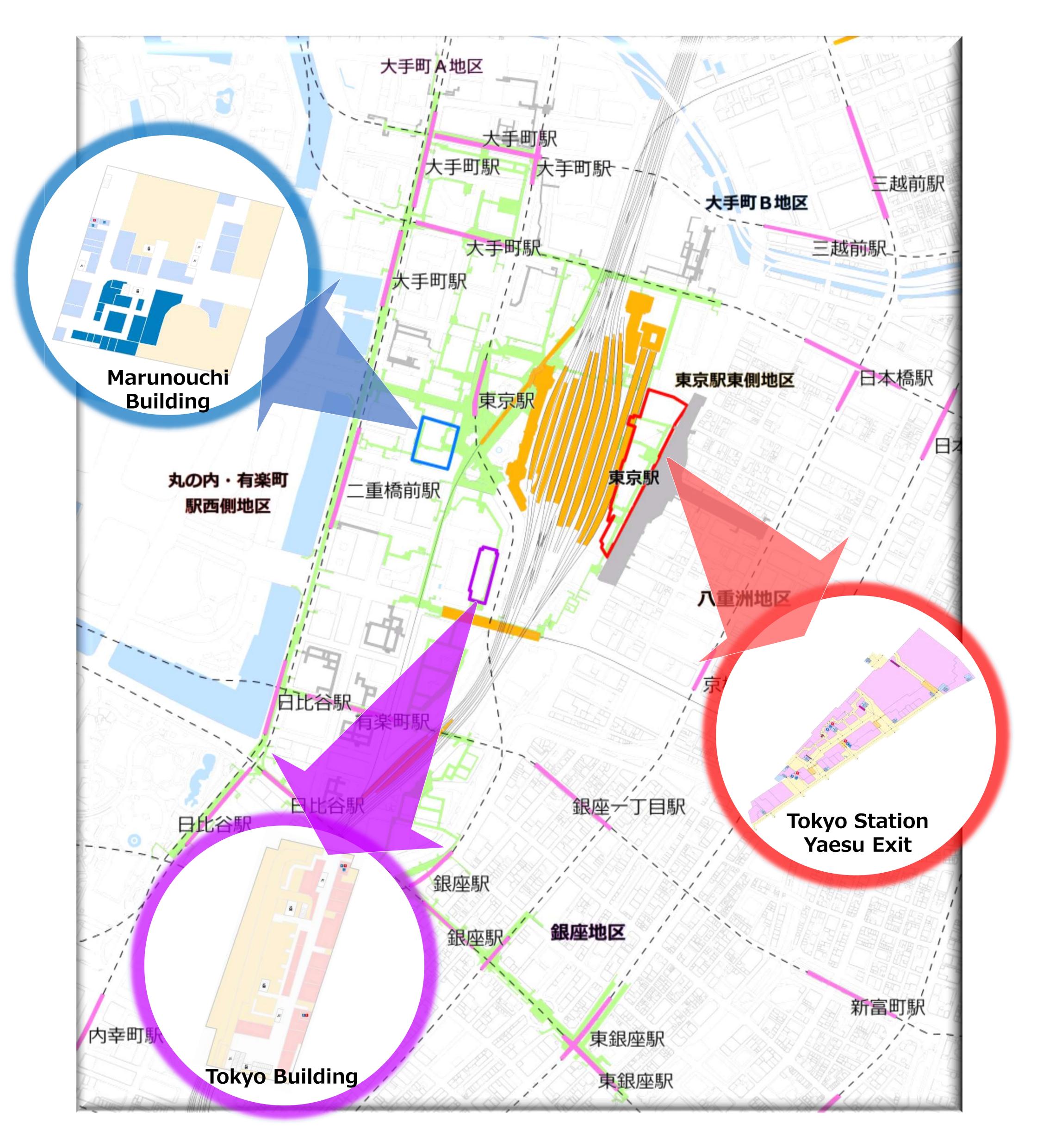
**Tokyo 2020** 

**Olympics** 

Ministry of Land, Infrastructure, Transport and Tourism

# Indoor-Outdoor Map of underground areas Intervention of the structure, Transport and Tourism Geo-Space Project

Indoor-Outdoor Map of underground areas around Tokyo station is under development in preparation of the demonstration experiment in FY 2015. The map, seamlessly showing indoor and outdoor areas, will be base of variety of services including pedestrian navigation service.



#### **\***Actual area of indoor seamless map may subject to change.

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