

Be the Sustainable Digital Twin !

The “Digital City Service” provides a digital twin environment that automatically integrates geospatial information published and provided by each municipality or entity, both at the local and national level.

Why Would You Need It?

Along with the advancement of technologies, such as open data, big data, and AI, data distribution started making significant progress at a city level. Accordingly, data development is also progressing at each municipality. However, it is difficult to make a swift judgment on how accurately the data can reproduce urban reality; i.e., how much we would be able to make use of it as a digital twin. In the past, we were obliged to spend an enormous amount of effort each time we performed “data inventory work” in order to get a complete picture.

What Does It Offer?

This service provides local governments with a low-cost solution that integrates data sets and a three-dimensional urban space visualization environment, providing a real-time digital twin environment. More specifically, registering the original data with the G-Spatial Information Center allows smooth visualization on the three-dimensional urban space provided by the digital city service.

Features of the Digital City Service

- Enables smooth visualization of data, urban plans, hazard maps, and other information related to public facilities and infrastructure in individual cities on a three-dimensional urban space. The service went live in April 2023 for all municipalities in Japan, allowing them to access various geospatial information, such as “pseudo human flow
- Available not only to local government employees, but also to residents and other community members. An easy-to-understand visualization of a community’s conditions allows the service to play an important role in discussions with residents about the community’s issues and future.

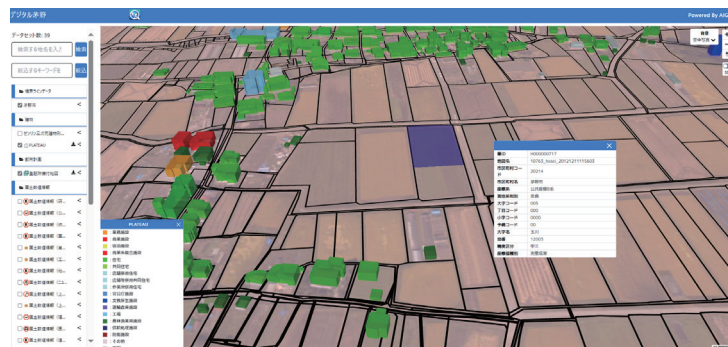


Examples of the Digital City Service

Visualization example of pseudo human flow data(Digital Tamana) _____



Visualization of Maps Made Available at the Registry Office(Digital Chino) _____



Detailed information about the applications and the costs of the service is available. Please scan the QR code or check the following URL.

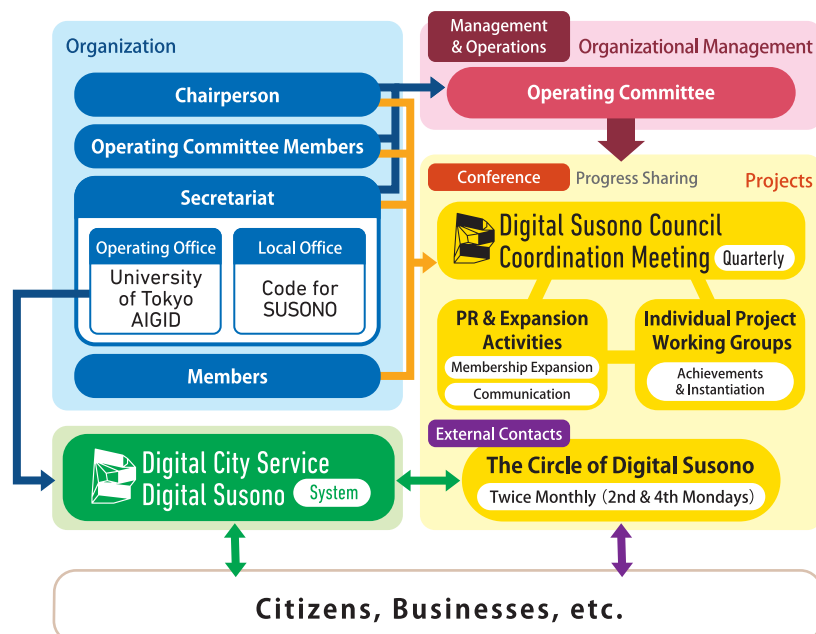
<https://www.digitalsmartcity.jp/service/>

Leveraging the Digital Service to Construct the Digital BID

The technological advances represented by generative AI and 3D urban models, as well as in government policies, including the Digital Rural City State initiative, require digitalization at a local level. In reality, however, such efforts impose much human and financial burdens on local governments and they tend to be dependent on subsidies or vendors, which are likely to be distanced from the issues faced by local communities, making it difficult to draw a sustainable grand design.

In 2023, in partnership with Susono City, Shizuoka, and Nanto City, Toyama, we launched “Local Digital Councils” to facilitate the local governments, residents and businesses taking proactive roles in their own projects. This initiative ultimately aims to establish a “Digital BID*,” built on the platform of our Digital City Service, in which local governments, businesses, and others, share funds to improve the community autonomously, and to facilitate smaller local governments carrying out sustainable initiatives to solve local issues.

*Digital BID: a structure to make use of digital data to solve local issues, modeled after the concept of BID (Business Improvement District), in which local stakeholders voluntarily get involved in planning, funding, and taking part in community improvement projects, without relying on the government.



Activities of the “Local Digital Council”

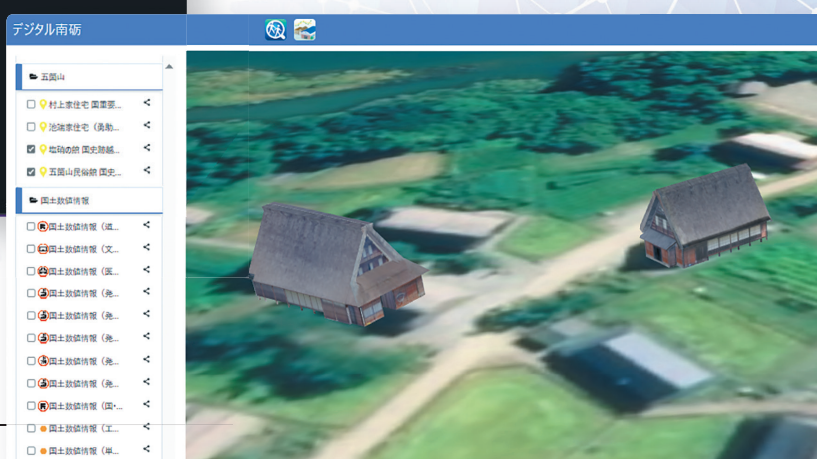
~ Making Space to Realize Regional DX ~

In both municipalities, with the objective of connecting people interested in local digitalization, the local secretariats are taking the lead in promoting such activities as “The Circle of Digital XX,” which offers learning opportunities while discussing practical examples of local DX with the participation of key persons deeply involved in the region, and “projects” aimed at leveraging our Digital City Service to solve local issues. Going forward, we will promote initiatives in each of the regions in which we are operating, while improving exchanges to accelerate the process of establishing the similar councils in new regions.



Gokayama Area 3D Data Development Project (Digital Nanto)

The Circle of Digital Susono



(General Incorporated Association) Association for Promotion of Infrastructure Geospatial Information Distribution

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For more information, please visit our website:

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Digital City Service Website

