Efforts to Promote Open Data in Local Governments in Japan

May 11, 2017
Ministry of Internal Affairs and Communications (MIC)
Major Efforts in the Past 1): Promotion of Open Data Standardization

- In collaboration with Vitalizing Local Economy Organization by Open Data & Big Data (VLED), MIC formulated and revised guides, etc. for the parties providing open data and those using open data, and published them to local government and so on.

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**Open Data Guide**

- First edition (07.31.2014)
- Second edition (07.30.2015)
- 2.1 edition (06.22.2016)

- *Guidebook for those who intend to disclose open data*

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**Open Data Guide (Utilization/Application)**

- First edition (06.66.2016)

- *Guidebook for those who intend to utilize open data*

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**Open Data Utilization and Application Collection of Business Case Examples**

- First edition (12.01.2015)

- *A collection of business case examples of open data utilization and application*

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*In addition, MIC formulated A Collection of Tools related to Data Disclosure/Utilization, A Template of Website Usage Agreement, and A Collection of Data Utilization Cases of Local Public Entities.*
Promotion of de facto data format standardization

- Promoting the de facto format and API standardization of data related to road traffic restrictions, business permissions, etc., which some advanced municipalities have been already working on opening, to be shared by a number of local governments.
  (→ Creating an environment to promote open data)

City promotion utilizing open data

- Contributing to the promotion of people’s migration and an increase in the number of visitors to local area by posting data owned by the local governments which would increases the attractiveness of the area such as information on regional medical care, welfare facilities, nurseries, educational facilities, etc., on real estate information websites.
  (→ Benefits for both the local governments and website management companies)

Data on road traffic restrictions
- Improvements in car navigation system accuracy
- Application to tourism field

E.g., «Information on disaster-related restrictions» «Information on road traffic restrictions» «Information on road occupancy»

Data related to business licenses
- De facto format standardization of eating and drinking establishment data owned by municipalities.

Linking

Shizuoka City → E.g., government-ordinance-designated cities nationwide

Fukui Prefecture and Shizuoka City → E.g., prefectures nationwide

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Restaurant sites
- Implemented on restaurant and other sites
Major Efforts in the Future 1): Promotion of Opening Map and Traffic Data through Demonstration Projects

[Project for promoting the utilization and application of open data, etc. (2015 through 2017)]

- Promoting new types of business and services that utilize data to improve services for residents by working on model demonstrations utilizing open data.

  [2015 initial budget of 300 million yen, 2016 initial budget of 190 million yen, and 2017 initial budget of 300 million yen]

### Linking with transportation data

- Whenever smartphones, tablets, and so on are used, public transport information, including railway, bus, aviation, and station information, is provided toward 2020.

### Linking with map and tourism information

- Providing detailed tourist information by linking open data from local governments and tourist associations and linking with various data of the Association for Promotion of Infrastructure Geospatial Information Distribution.

- Always providing smartphones, tablets, and so on with public transport information, including railway, bus, aviation, and station information, and sports competition information toward 2020.
Major Efforts in the Future 2): Establishment of Test Environment to Practice Open Data (Open Data Testbed (Tentative Name))

- Establishing a new test environment and providing collective training and remote use services to local government officials who lack ICT knowledge and know-how to acquire skills necessary for open data (e.g., data processing and opening procedures).
- With this, strongly support officials of each local government to implement open data.

Open Data Testbed (Tentative Name)

- Improving and operating a test environment for acquiring data processing and opening skills
- Providing data and tools and conducting training (practicing open data)

Returning back to each local government to make data open (to be utilized and applied by local private enterprises).

Local government A

Local government B

Local government C

• Staff dispatching
• Remote use
Major Efforts in the Future 2): Establishment of Matching Function for Coordination and Mediation with Local Governments and private sectors on Open Data

- Establishing a window function to accept and convey the private sector’s needs to local governments, collect feedback from them, and make necessary adjustments with the private sector and public sector in order to find a way out of the present situation where local governments have not been making progress in opening data.
- This will resolve the concerns of local governments about the utilization needs of the private sector and how open data will be used, and promotes local governments’ opening of data.

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**Diagram:**

- **E.g., private enterprises**
  - Business operator A
  - Business operator B
- **MIC**
  - Open data conversion requests for specific local governments
  - Adjustment and mediation function
  - Conveying specific private enterprises’ requests for open data conversion
- **E.g., local governments**
  - Local government A
  - Local government B
  - Notice of responses from local governments
  - Conveying the examination results of the possibility of open data conversion (Notification of the reason if open data conversion is impossible).