



## TOPICS

### Urban Data Challenge 2017



#### ➤ Urban Data Challenge

Urban Data Challenge (UDC) is a project operated by Association for Promotion of Infrastructure Geospatial Information Distribution (AIGID) since 2013. AIGID is a management and operating body of the G-Spatial Information Center (GsC).

UDC project aim to encourage use of open-data, big data development for resolution of public issues with geospatial data through the workshop of knowledge experience report and discussion.

#### ➤ Activity plan for UDC 2017

Local base point will place 40 (prefectural block), each local base essentially to promote effective use and distribution of geospatial data in local area and all over Japan. To encouragement distribution of geospatial data, we will launch sponsor program.

#### ➤ Local base activity

The Mainly hosted by local base coordinator the event like Ideathons, Hackathons and the walk around event in local base point throughout Japan, will find out potential local issues, come up new ideas for solution and development tools.

#### ➤ Relationship with GsC

Some local bases make effective use of registered geospatial data to GsC on their activity. They also register brand new developed data for future workshops or related activities

REF: <http://urbandata-challenge.jp/>

## WEBSITE ACCESS REPORT

### ➤ Access

- ✓ 1,549 users registered total  
(As of July 2, 2017)
- ✓ 128,675 page view  
(Data collection period May 1 to June 30, 2017)

### ➤ Uploaded Data

- ✓ 62 data providers
- ✓ 585 data collections
- ✓ 15TB Data volume

## Highly accessed ranking

Data collection period May 1 to June 30, 2017

1. **Future population and household number prediction tool / terms of use** - From National Institute for Land and Infrastructure Management(NILIM)
2. **Future population and household number prediction tool / prediction result images** - From NILIM
3. **Future population and household number prediction tool / 01 Hokkaido** - From NILIM
4. **Strong earthquake fault model (1) data unit A/ (1), data unit A** - From The central government Nankai megathrust earthquakes case review board.
5. **Strong earthquake fault model (4) strong oscillatory waveforms within engineering infrastructures / terms of use** -From The central government Nankai megathrust earthquakes case review board.
6. **Strong earthquake fault model (4) strong oscillatory waveform / waveform data** - From The central government Nankai megathrust earthquakes case review board.
7. **Matsue station premise people flow sensor data January / January 3, 2017** - From AIGID analysis team
8. **Future population and household number prediction tool / 13 Tokyo** - From NILIM
9. **(1) Fault parameter related long-period ground motion of megathrust earthquakes along Nankai trough / fault parameter** - From The central government Nankai megathrust earthquakes case review board.
10. **Real 3D urban city model / sample image (Shinagawa)** - From ASIA AIR SURVEY CO.,LTD.

## WHAT'S NEW

- June 24.2017 Released prefectural grid block data (1km, 500m, 250m), and grid block creation application.
- June 9.2017 Introduced open-data free listing support for GsC.
- June 5.2017 Released Matsue station premise people flow sensor data of May 2017.
- June 1.2017 Custom function of MyCityForecast with purchase plan made available.
- May 30.2017 Sales release 1/4 grid block tourist data in Bali island, Republic of Indonesia.
- 19 May, 2017 Updated Future population and household number prediction tool (program of population density allocate in grid block and prediction result simple image)
- 15 May, 2017 Released GsC newsletter May 2017
- 8 May, 2017 Sales schedule release of MyCityForecast custom function service with purchasing.

## Contents feature

### Pick UP !! "CS pictorial drawing of Shizuoka Prefecture"

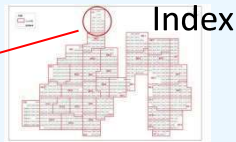
From Forest planning section, Shizuoka prefecture

'CS pictorial drawing' is a microtopography map devised by the Forestry Center of Nagano prefecture. It is based on aerial laser survey data and made with 'CS Map Maker' developed by Mr. Daimaru at Forest Research and Management Organization.



#### ■ Preview

You can immediately access this Locate information data image file through the geospatial information system (GIS).



#### Index

#### ■ Specification

- Image file with location information (TIF and Esri World File format)
- Geodetic survey data 2000, plane rectangular coordinate system, seriesVIII

## Featured Upcoming data

### • Get Mesh!!

From NEOPLANNING LAB., INC.  
Uploaded June 24,2017

This is an application to create mesh polygon for map areas of your choice. Available Scales range from primary grid block to 50m grid.

### • Prefectural grid block < 1km, 500m,250m>

From NEOPLANNING LAB., INC.  
Uploaded June 24, 2017

Mesh polygon of prefectural blocks. Data format is csv and GeoJSON Suitable for use with earthquake data from the central government.

## TIPS FOR EFFICIENT USE OF G-SPATIAL INFORMATION CENTER

### Q>How can I use the various search systems of GsC?

A>The search function is located in the center of the top page of the GsC website. Find 'Keyword' search located alongside 'Category' and 'Area' searches. Click the 'Keyword' field, enter your desired search term and click the 'Search' button.

- Searching pattern set by 'AND'. Sort by Category and Area first. You can also sort by keyword.
- Once displayed, you can also narrow the results by entering additional keywords in the form at the top of the page (at the magnifying glass icon).

It is possible to begin your search with multiple keywords possible by enclosing each keyword with " ".

For more detail, please have a look at page GsC website. 'How to use this website > 2. Searching geospatial information > 2.2Search by keyword'.

<https://s3-ap-northeast-1.amazonaws.com/gic-manual/operationmanual2.pdf>

## G-SPATIAL INFORMATION CENTER STAFF REPORT

- Not only do we provide governmental geospatial information, we also support the release and provision of data from private firms. In addition to open-data free of charge geospatial information, you can also access purchasable data provided by 11 firms (as of June 2017). We are continually making a wide range of additional collection of purchasable, free-of-charge, national, regional, and corporate geospatial data available for your use.
- In order to provide geospatial data promptly for emergency disaster response, we signed an 'Agreement concerning information provision for contributing to disaster relief response and disaster prevention' with 5 data providers (as of June 2017). To make these data collections of purchasable data available at no charge or at a discount only for disaster response, we also signed 'Agreement concerning the use of information for disaster response and disaster damage reduction activities' with five NPO/NGOs (as of June 2017).

We aim to contribute to the smooth provision of data and assist disaster response by linking data providers and users in advance. The alliance team of GsC is in charge of entering into contracts with data providers and supervising proper use of registered data in GsC. It is our goal to support the distribution of geospatial data by taking into consideration the needs of an ever-increasing number of data holders and data users.