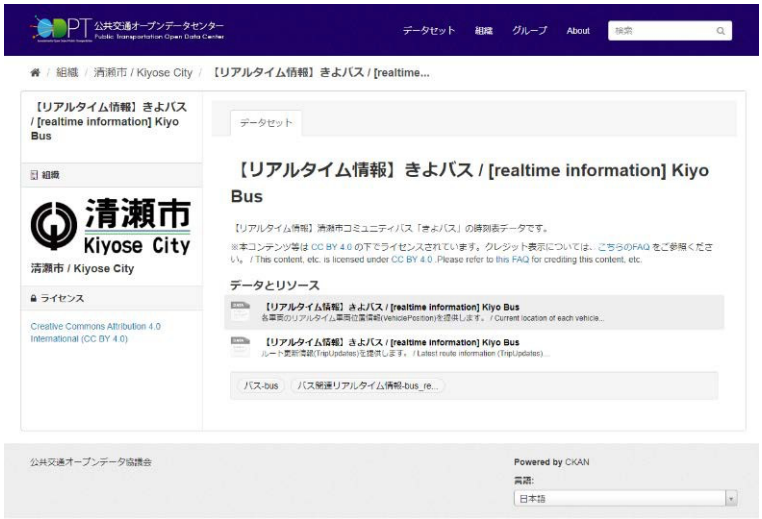
July 5, 2024

Press Release

Kiyose City,
Tokyo Association for Open Data of Public Transportation
YRP Ubiquitous Networking Laboratory

Open data release of GTFS real-time data for the community bus “Kiyo Bus” and its publication on the Google Maps

Kiyose City in Tokyo has released the data on its community bus, ″Kiyo Bus,″ in GTFS-JP and GTFS real-time formats from the Public Transportation Open Data Center, which is run by the Association for Open Data of Public Transportation (ODPT). As a result, from July 3, 2024, real-time location information for “Kiyo Bus” has been posted on the Google Maps.
The GTFS real-time data for “Kiyo Bus” is transmitted via a simple bus location system that uses smartphones, developed by YRP Ubiquitous Networking Laboratory (UNL). This system was developed as part of the Ministry of Land, Infrastructure, Transport and Tourism's “Research and Study on the Open Distribution of Dynamic Data in the Public Transportation Sector” project (tentative English project name: the original Japanese title is “公共交通分野における動的データのオープンな流通に関する調査検討業務”), and it supports small-scale public transportation operators such as community bus services in transmitting real-time public transportation data at low cost. In the future, we aim to contribute to the open distribution of more public transportation data in collaboration with the activities of the ODPT.
YRP UNL aims to improve the convenience of public transportation by having more business operators utilize public transportation open data, including the data on “Kiyo Bus.”



Kiyo Bus GTFS real-time data published on the website of the Public Transportation Open Data Center

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○ Kiyo Bus
https://www.city.kiyose.lg.jp/kurashi/sumaidourokoutuu/communitybus/1003943.html
Kiyo Bus is a community bus operated by Kiyose City, Tokyo. It starts and ends at Kiyose Station, and makes stops at various locations around the city.

○ Association for Open Data of Public Transportation (ODPT) https://www.odpt.org/
ODPT (Chair: Ken Sakamura, Professor Emeritus, the University of Tokyo) is an industry-government-academia association consisting of 130 organizations such as public transportation operators and ICT stakeholders as of July 3, 2024. In this association, a number of public transportation operators and ICT companies, such as major route search operators, have been participating in activities aimed at making available public transportation-related open data. ODPT is also affiliated with MobilityData, a non-profit organization that promotes the international standardization of public transportation data.
In May 2019, the “Public Transportation Open Data Center” was launched as a data collaboration platform connecting public transportation operators and data users in Japan. It provides public transportation data for a variety of modes, including railway, bus, airline, ferry, and bicycle sharing, to general developers and ICT stakeholders (such as route search operators) as a one-stop service.

○ YRP Ubiquitous Networking Laboratory https://www.ubin.jp/
YRP Ubiquitous Networking Laboratory (Director: Ken Sakamura, Professor Emeritus of the University of Tokyo) is a research and development institute that has been working on the computing environment where computers are embedded in many objects in our surroundings and networked together, which is called the Internet of Things (IoT) today.

○ General Transit Feed Specification (GTFS)
GTFS is an open format for public transportation timetables and geographical information such as the locations of train stations and bus stops. You can obtain the data from many public transportation operators created based on this format from the Public Transportation Open Data Center.