# Observation data of FFPRI FluxNet Kawagoe forest meteorology research site

## 1. IDENTIFICATION INFORMATION

| | |
|---|---|
| Name | Observation data of FFPRI FluxNet Kawagoe forest meteorology research site |
| Abbreviation | FFNET KWG |
| Metadata Identifier | FFPRI_fluxnet_KWG20230727081742-en |

## 2. CONTACT

### 2.1 CONTACT on DATASET

| | |
|---|---|
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### 2.2 CONTACT on PROJECT

## 3. DOCUMENT AUTHOR

| | |
|---|---|
| Name | FFPRI Flux Observation Network |
| Organization | Forestry and Forest Products Research Institute |
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## 4. DATASET CREATOR

| | |
|---|---|
| Name | FFPRI Flux Observation Network |
| Organization | Forestry and Forest Products Research Institute |
| E-mail | ffnet@ffpri.affrc.go.jp |

## 5. DATE OF THIS DOCUMENT

2023-07-27

# 6. DATE OF DATASET

creation : 2012-11-28

# 7. DATASET OVERVIEW

## 7.1 Abstract

Forestry and Forest Products Research Institute Flux Observation Network is performing observational research focused on measuring carbon dioxide flux using micrometeorological techniques in Kawagoe research site as well as other 5 research sites in Japan. This dataset includes the following 18 items.

Precipitation

Air temperature

Relative humidity

Wind velocity

Wind direction

Solar radiation (downward)

Solar radiation (upward)

Photosynthetically active radiation (downward)

Photosynthetically active radiation (upward)

Net radiation

Soil heat flux

Sensible heat flux

Friction velocity

CO2 flux

CO2 storage change in canopy air layer

Net ecosystem exchange

Ecosystem Respiration

Gross Primary Production

## 7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

environment

## 7.3 Temporal Extent

| | |
|---|---|
| Begin Date | 1997-01-01 |

| | |
|---|---|
| End Date | 2002-12-31 |
| Temporal Characteristics | 30minute |

## 7.4 Geographic Bounding Box

| | |
|---|---|
| North bound latitude | 35.8725 |
| West bound longitude | 139.4869 |
| Eastbound longitude | 139.4869 |
| South bound latitude | 35.8725 |

## 7.5 Grid

## 7.6 Geographic Description

## 7.7 Keywords

### 7.7.1 Keywords on Dataset

| Keyword Type | Keyword | Keyword thesaurus Name |
|---|---|---|
| theme | Agriculture, Ecosystems, Weather | GEOSS |
| theme | Agriculture > Forest Science, Atmosphere > Precipitation > Precipitation Amount, Atmosphere > Atmospheric Temperature > Air Temperature, Atmosphere > Atmospheric Water Vapor > Humidity, Atmosphere > Atmospheric Winds > Surface Winds, Agriculture > Soils > Soil Heat Budget, Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Carbon Dioxide | GCMD_science |
| theme | In Situ Land-based Platforms > AIR MONITORING STATIONS/ NETWORKS | GCMD_platform |
| place | Asia > Eastern Asia > Japan | Country |
| theme | Carbon (stores, uptake, flux), Evapotranspiration, Photosynthetically Active Radiation (PAR), Precipitation, Surface Air Temperature, Surface Humidity, Surface Wind Direction, Surface Wind Speed | GEO_COP |
| theme | BIOGEOSCIENCES > Biosphere/atmosphere interactions | AGU |

### 7.7.2 Keywords on Project

## 7.8 Online Resource

FFPRI FluxNet website : http://www2.ffpri.affrc.go.jp/labs/flux/

## 7.9 Data Environmental Information

## 7.10 Distribution Information

| name | version | specification |
|---|---|---|
| csv | See FFPRI FluxNet website | |

# 8. DATA PROCESSING

## 8.1 Data Processing (1)

### 8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

See documents (Meta information, PDF) available on the web

### 8.1.2 Data Source

| Data Source Citation Name | Description of derived parameters and processing techniques used |
|---|---|

# 9. DATA REMARKS

See documents (Meta information, PDF) available on the web

# 10. DATA POLICY

## 10.1 Data Policy by the Data Provider

1. The Forestry and Forest Products Research Institute holds the copyright for all numeric and image data (referred to as "data" below unless otherwise noted) supplied from FFPRI FluxNet.

2. The data may be used only for academic research or educational purposes. It may not be used for commercial uses.

3. Even if the purpose is for academic research or education, the use of the data may be refused if such use interferes with the purposes of other data users. In addition, the data provider may claim the right of to be a coauthor of any research results that use FFPRI FluxNet data.

4. An application for use and approval are required to use the numeric data. The application contents are examined by the appropriate data provider and other concerned parties. Permission to use numeric data (term is limited to four weeks) is granted only to the individual making application. It is prohibited to transfer the numeric data to a third party.

5. FFPRI FluxNet is not responsible for any errors or mistakes included in the data. The user assumes all responsibility for using the data. The data content may be updated.

6. In order to provide more accurate data, the user should contact the office below if errors or mistakes are discovered.

7. When publishing results that use this data, clearly indicate that FFPRI FluxNet data has been used and cite the main publication listed in the document file.

[Citation Example]

Forestry and Forest Products Research Institute. FFPRI FluxNet Database, (http://www2.ffpri.affrc.go.jp/labs/flux/)March 31st, 2010 (data publication date)

8. Contact the office below before results that use this data are published. If the results are published in printed media, send one copy to the address below.

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Forestry and Forest Products Research Institute

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## 10.2 Data Policy by the Project

# 11. LICENSE

# 12. DATA SOURCE ACKNOWLEDGEMENT

## 12.1 Acknowledge the Data Provider

Forestry and Forest Products Research Institute. FFPRI FluxNet Database, (http://www2.ffpri.affrc.go.jp/labs/flux/) March 31st, 2010 (data publication date)

## 12.2 Acknowledge the Project

# 13. REFERENCES

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