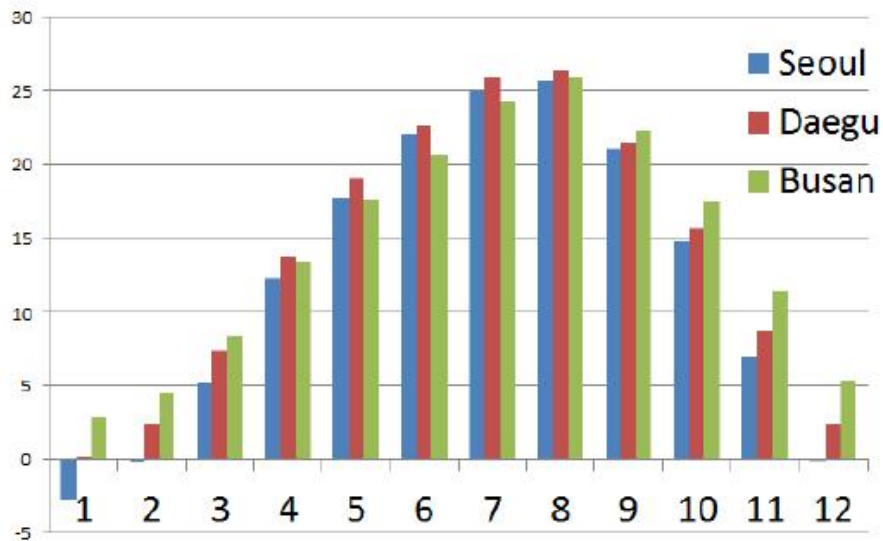


# Data Processing for downscaled forecast using CLIK

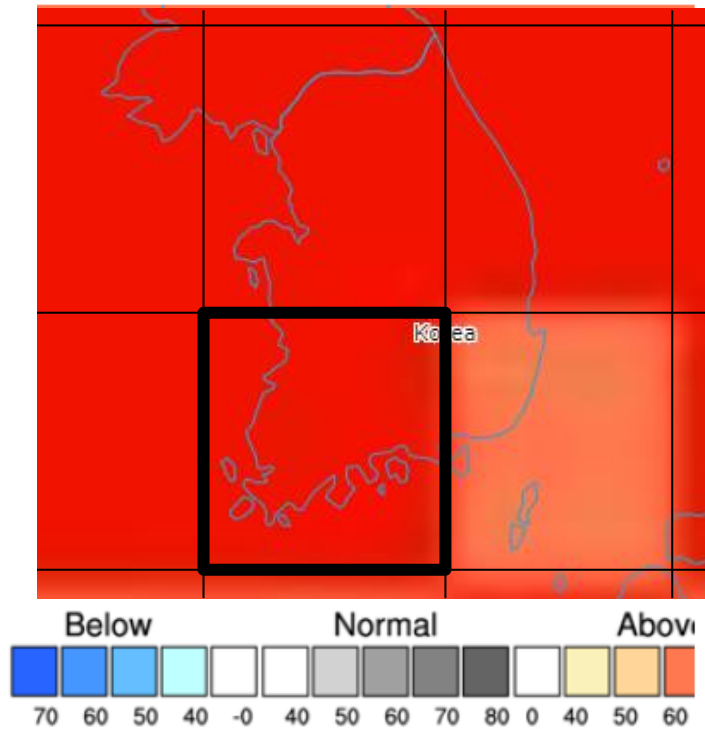
# Why downscaled forecast?

1960-2017, temperature



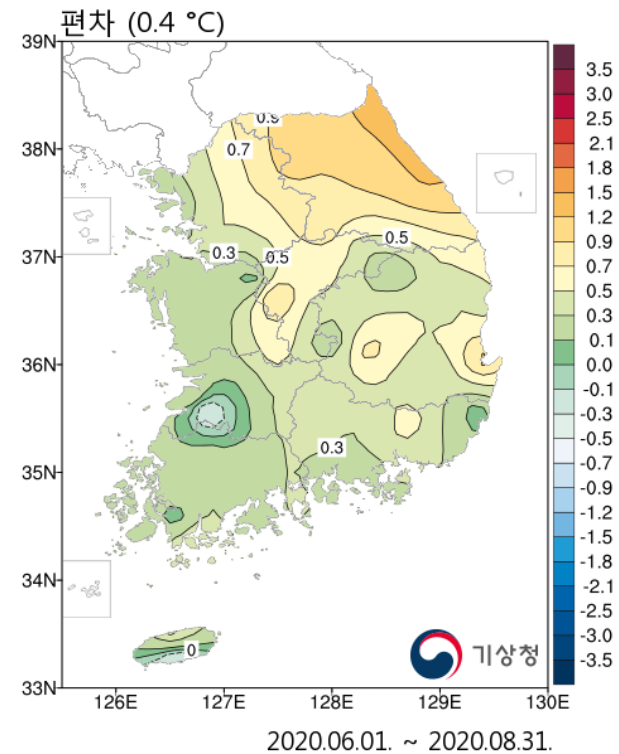
# Why downscaled forecast?

2020JJA T2M  
PMME FORECAST



1s: GAUS

2020JJA T2M  
관측



# Downscaling procedure in CLIK:

## Precipitation over Daegu for OND 2020

### 지점자료

- Point (uploaded)

1973								2019
------	--	--	--	--	--	--	--	------

### 전지구 재분석 자료

- Grid (built-in)
- Reanalysis, CAMS OPI, and OISST

1979							2019
------	--	--	--	--	--	--	------

### 모델 예측 자료

- Grid (built-in)
- Hindcast of dynamical models

1983				2014
1983			2011	
1982			2006	

# Data Processing

✓ **Target station: Daegu**



# Step 1. Prepare input data

기상자료개방포털 ([data.kam.go.kr](http://data.kam.go.kr))

Metadata

DAEGU\_META.txt

Station  
information

Observation  
data

DAEGU\_PREC.txt  
DAEGU\_TEMP.txt

Station data itself

## Data Processing

## Step 1. Prepare input data

기상자료개방포털 ([data.kam.go.kr](http://data.kam.go.kr))

Metadata

DAEGU\_META.txt

Observation  
data

DAEGU\_PREC.txt  
DAEGU\_TEMP.txt

```
DAEGU_META.txt x DAEGU_PREC.txt x
1 name,station_id,wmo_id,latitude,longitude,undefined
2 Daegu,143,-,35.878,128.653,-999
```

- **Name:** name of the station
- **Station\_id:** unique id for the station (integer)
- **WMO\_id:** WMO\_id for station (integer, any number)
- **Latitude:** latitude for this station (float, for mapping)
- **Longitude:** longitude for this station (float, for mapping)
- **Undefined:** missing data (numeric)
- **Public:** true if your data can be used by others, and false if your data can not be used by others

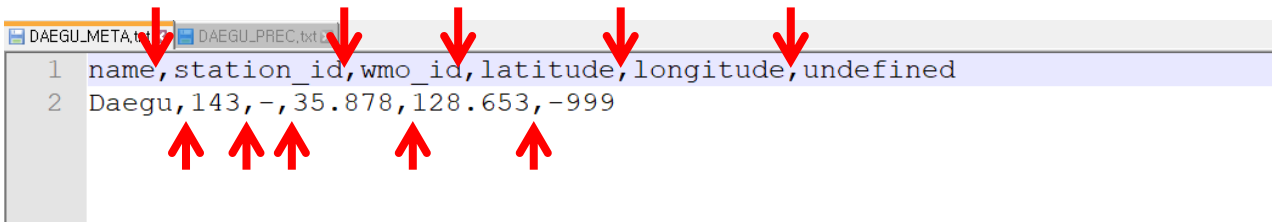
## Data Processing

## Step 1. Prepare input data

기상자료개방포털 ([data.kam.go.kr](http://data.kam.go.kr))

Metadata

DAEGU\_META.txt

Observation  
dataDAEGU\_PREC.txt  
DAEGU\_TEMP.txt

```
1 name,station_id,wmo_id,latitude,longitude,undefined
2 Daegu,143,-,35.878,128.653,-999
```

**comma**

- Use notepad.
- Data should be delimited by comma (,), space ( ), tab ( ), or colon (:).



## Data Processing

# Step 1. Prepare input data

기상자료개방포털 ([data.kam.go.kr](http://data.kam.go.kr))

Metadata

DAEGU\_META.txt

Observation  
data

DAEGU\_PREC.txt  
DAEGU\_TEMP.txt

station_id	year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
143	1973	65.8	16.7	6.6	135.1	98.2	51.5	119.5	120.6	135.3	99.3	13.3	2.5
143	1974	11.1	17.2	29.6	130.7	137.1	123	390.3	218.9	15	92.5	9.6	39.6
143	1975	17.1	13.7	49.4	99.2	75.8	117.6	303.8	74	119.2	62.9	81.4	29.5
143	1976	0.7	79.1	56.3	97.6	35.2	93.4	44.4	217	24.8	43	21.3	20.7
143	1977	2.3	0	51.4	159.4	48.2	78.1	73.7	95.7	123	20.2	97.5	20.2
143	1978	9.5	27.6	27.6	37.2	14.6	419.4	164.5	131	56.6	79.5	31.3	13.9
143	1979	17.5	60.4	50.9	68	127.1	122.6	132.5	218.2	174.9	3.6	7.4	24.5
143	1980	26.3	4.7	44.4	110.4	187.2	91.2	61	258.2	119.5	82.9	44.3	13.1
143	1981	18.9	29.9	13.5	38.5	36	148.1	102.8	314.7	230.9	29.2	23.7	8.8
143	1982	9.6	17.6	50.4	52.8	28.7	28.5	143	394.6	15.4	19.3	63.5	11.3
143	1983	15.3	22.3	76.6	88.6	32.2	140.6	267.5	88.8	214	52.3	3.4	1.5
143	1984	0	8	12.2	136.5	41.3	165.9	341.8	206	205.8	14.9	52.6	3.5
143	1985	0	21.3	72.1	70.2	105.7	167.3	186.8	338.4	262	124	37	11.8
143	1986	0.9	20.4	51.6	34.8	97.4	226.9	136	178.4	123.4	78.6	10.6	34.8
143	1987	44.4	43.9	51.4	42.7	62.3	138.7	275.7	327.2	11	44.6	51.8	0.4
143	1988	12.6	2.9	45.2	49.6	64.1	85.9	215.1	74.5	52.7	3.9	3.4	7.1
143	1989	110.7	90.5	100.4	34.1	46.3	103.3	306.6	149.8	196.4	18.8	61.9	2
143	1990	22.3	85.5	45.3	90.5	143.1	208.5	251.3	136.7	197	13.9	43.5	2.1
143	1991	20.6	44.4	79.3	93.2	21.9	104.7	425.3	282.5	154.1	1.3	13.4	55.5

- Use notepad.
- Copy and paste the data from EXCEL to Notepad.
- One year per row.
- Data should be delimited by comma (,), space ( ), tab (       ), or colon (:).

## Data Processing

## Step 2. Upload data to CLIK



MME

Downscale

My Page

Logout Edit HelpDesk

## Select Dataset / Station

## Datasets

Dataset Name	Countries	Total Stations	Period(prec)	Period(temp)	Public
GHCN	GHCN	3707	1950 ~ 2009	N/A	PUBLIC
Korea 101 Stations	Korea, Republic of	101	1973 ~ 2019	1973 ~ 2019	PUBLIC
MCDW(Monthly Climatic Data for th...	The World	6463	1998 ~ 2014	1998 ~ 2014	PUBLIC

Create

Edit

Remove



## Data Processing

## Step 2. Upload data to CLIK

The screenshot displays the CLIK Climate Information Toolkit interface. At the top, there is a navigation bar with the CLIK logo, tabs for 'MME', 'Downscale', and 'My Page', and links for 'Logout', 'Edit', and 'HelpDesk'. Below this is a 'Select Dataset / Station' section. A table lists existing datasets:

Dataset Name	Countries	Total Stations	Period(prec)	Period(temp)	Public
GHCN	GHCN	3707	1950 ~ 2009	N/A	PUBLIC
Korea 101 Stations	Korea, Republic of	101	1973 ~ 2019	1973 ~ 2019	PUBLIC
MCDW(Monthly Climatic Data for th...	The World	6463	1998 ~ 2014	1998 ~ 2014	PUBLIC

Below the table are 'Create', 'Edit', and 'Remove' buttons. A 'New dataset' modal form is open in the foreground, containing:

- Name: DAEGU
- Description: DAEGU
- A message: All fields are required.
- Buttons: 'Close' and 'Create Dataset' (highlighted with a red circle and a hand cursor).



## Data Processing

## Step 2. Upload data to CLIK



MME

Downscale

My Page

Logout Edit HelpDesk

## Select Dataset / Station

## Datasets

Dataset Name	Countries	Total Stations	Period(prec)	Period(temp)	Public
DAEGU		0	N/A	N/A	downy
GHCN	GHCN	3707	1950 ~ 2009	N/A	PUBLIC
Korea 101 Stations	Korea, Republic of	101	1973 ~ 2019	1973 ~ 2019	PUBLIC
MCDW(Monthly Climatic Data for th...	The World	6463	1998 ~ 2014	1998 ~ 2014	PUBLIC

Create

Edit

Remove



## Data Processing

## Step 2. Upload data to CLIK



MME

Downscale

My Page

Logout Edit HelpDesk

## Select Dataset / Station

## Datasets

Dataset Name	Countries	Total Stations	Period(prec)	Period(temp)	Public
DAEGU		0	N/A	N/A	downy
GHCN	GHCN	3707	1950 ~ 2009	N/A	PUBLIC
Korea 101 Stations	Korea, Republic of	101	1973 ~ 2019	1973 ~ 2019	PUBLIC
MCDW(Monthly Climatic Data for th...	The World	6463	1998 ~ 2014	1998 ~ 2014	PUBLIC

Create

Edit

Remove



## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

Observation  
data

2

The screenshot displays the CLIK web interface. At the top, there is a navigation bar with 'MME', 'Downscale', and 'My Page' tabs. The 'Downscale' tab is active. To the right of the navigation bar are links for 'Logout', 'Edit', and 'HelpDesk'. Below the navigation bar, the 'Stations [ Dataset : DAEGU ]' section is visible. It contains a table with columns: Station ID, Country, NAME, WMO ID, Latitude, Longitude, and Undefined. The table is currently empty, displaying 'No data available'. Below the 'Stations' section, there is a button labeled '0 entries'. To the right of this button are four buttons: 'Upload', 'Export', 'Insert', and 'Modify'. The 'Upload' button is highlighted with a red circle and a hand cursor. Below the 'Stations' section, the 'Data' section is visible. It contains a table with columns: Year, Variable, Unit, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, and DEC. The table is currently empty, displaying 'No data available'. Below the 'Data' section, there is a button labeled 'Showing 0 to 0 of 0 entries'. To the right of this button are four buttons: 'Upload', 'Export', 'Insert', and 'Modify'. The 'Upload' button is highlighted with a red circle and a hand cursor. At the bottom center of the interface, there is a 'Close' button.

## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

**MME Downscale My Page** Logout Edit HelpDesk

**Stations [ Dataset : DAEGU ]**

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
No data available						

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country

Station information file (example)  Upload

**Data**

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No data available														

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

Close

## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

MME Downscale My Page Logout Edit HelpDesk

### Stations [ Dataset : DAEGU ]

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
No data available						

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon()

Country

Station information file (example)  DAEGU\_META.txt

DAEGU\_META.txt

DAEGU\_PREC.txt

1 name,station\_id,wmo\_id,latitude,longitude,undefined

2 Daegu,143,-,35.878,128.653,-999

### Data

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No data available														

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

Close



## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

The screenshot shows the CLIK web interface. At the top, there are tabs for 'MME', 'Downscale', and 'My Page'. The 'Downscale' tab is selected. Below the tabs, there is a header for 'Stations [ Dataset : DAEGU ]'. A table lists station information with columns: Station ID, Country, NAME, WMO ID, Latitude, Longitude, and Undefined. The table contains one entry with Station ID 143, Country 'Korea, Republic of', NAME 'Daegu', WMO ID '-', Latitude 35.878, Longitude 128.653, and Undefined -999. Below the table, there are buttons for 'Upload', 'Export', 'Insert', and 'Modify'. A modal window titled 'Information' is open, displaying the message 'Success: Station information file uploaded.' and a 'Close' button circled in red. A hand icon is pointing at the 'Close' button.

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Field separator: ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country:

Station information file (example):

Information

Success: Station information file uploaded.

Close

## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

**MME Downscale My Page** Logout Edit HelpDesk

**Stations [ Dataset : DAEGU ]**

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country

Station information file (example)  DAEGU\_META.txt

**Data**

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No data available														

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

MME Downscale My Page Logout Edit HelpDesk

Stations [ Dataset : DAEGU ]

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country

Station information file (example)  DAEGU\_META.txt

2

Observation  
data

Data [ Station ID : 143 ]

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No data available														

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

Close

## Data Processing

## Step 2. Upload data to CLIK

## Metadata

1

CLIK Climate Information Toolkit

MME Downscale My Page Logout Edit HelpDesk

Stations [ Dataset : DAEGU ]

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country

Station information file (example)  DAEGU\_META.txt

Data [ Station ID : 143 ]

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No data available														

Showing 0 to 0 of 0 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Variable ☒ Precipitation ☐ Temperature

Unit ☒ mm/month ☐ mm/day ☐ others:

Country

Data file (example)

Close

## Observation data

2

## Data Processing

## Step 2. Upload data to CLIK

## Metadata

1

**CLIK** Climate Information Toolkit **MME** **Downscale** **My Page** Logout Edit HelpDesk

**Stations [ Dataset : DAEGU ]**

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Upload Export Insert Modify

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country

Select Country

Station information file (example)

Select File...

DAEGU\_META.txt

Upload

**Data [ Station ID : 143 ]**

Year Variable Unit JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

No data available

Showing 0 to 0 of 0 entries

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Variable

☒ Precipitation ☐ Temperature

Unit

☒ mm/month ☐ mm/day ☐ others:

Country

Korea, Republic of

Data file (example)

Select File...

DAEGU\_PREC.txt

DAEGU\_META.txt DAEGU\_PREC.txt

```

1 station_id,year,jan,feb,mar,apr,may,jun,jul,aug,sep,oct,nov,dec
2 143,1973,65.8,16.7,6.6,135.1,98.2,51.5,119.5,120.6,135.3,99.3,13.3,2.5
3 143,1974,11.1,17.2,29.6,130.7,137.1,123,390.3,218.9,15,92.5,9.6,39.6
4 143,1975,17.1,13.7,49.4,99.2,75.8,117.6,303.8,74,119.2,62.9,81.4,29.5
5 143,1976,0.7,79.1,56.3,97.6,35.2,93.4,44.4,217,24.8,43,21.3,20.7
6 143,1977,2.3,0,51.4,159.4,48.2,78.1,73.7,95.7,123,20.2,97.5,20.2
7 143,1978,9.5,27.6,27.6,37.2,14.6,419.4,164.5,131,56.6,79.5,31.3,13.9
8 143,1979,17.5,60.4,50.9,68,127.1,132.6,132.5,218.2,174.9,3.6,7.4,24.5
9 143,1980,20.4,4.7,44.4,131.4,87.2,90,294.1,258.2,119.5,82.9,44.3,13.1
10 143,1981,18.9,2.9,13.5,38.5,36,148.1,102.8,314.7,230.9,29.2,23.7,8.8
11 143,1982,9.6,16.6,50.4,52.8,28.7,28.5,143,394.6,15.4,19.3,63.5,11.3
12 143,1983,15.3,32.3,76.6,88.6,32.2,140.6,267.5,88.8,214,52.3,3.4,1.5
13 143,1984,0.8,17.3,36.5,41.3,165.9,341.8,206,205.8,14.9,52.6,3.5
14 143,1985,0,21.3,32.1,70.2,105.7,167.3,186.8,338.4,262,124,37,11.8
15 143,1986,0.9,20.4,61.6,34.8,97.4,226.9,136,178.4,123.4,78.6,10.6,34.8
16 143,1987,44.4,43.9,51.4,42.7,62.3,138.7,275.7,327.2,11,44.6,51.8,0.4
17 143,1988,12.6,2.9,45.2,49.6,64.1,85.9,215.1,74.5,52.7,3.9,3.4,7.1
18 143,1989,110.7,90.5,100.4,34.1,46.3,103.3,306.6,149.8,196.4,18.8,61.9,2
19 143,1990,22.3,85.5,45.3,90.5,143.1,208.5,251.3,136.7,197,13.9,43.5,2.1
20 143,1991,20.6,44.4,79.3,93.2,21.9,104.7,425.3,282.5,154.1,1.3,13.4,55.5

```

## Observation data

2

## Data Processing

## Step 2. Upload data to CLIK

Metadata

1

Observation  
data

2

The screenshot shows the CLIK web interface. The top navigation bar includes 'MME', 'Downscale', and 'My Page'. The main content area is titled 'Stations [ Dataset : DAEGU ]' and displays a table with station information. Below the table, there are buttons for 'Upload', 'Export', 'Insert', and 'Modify'. The 'Metadata' section is active, showing a form for uploading station information. A success message dialog is displayed over the 'Observation data' section, indicating that the observed data file has been uploaded successfully. The dialog has a 'Close' button circled in red.

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Field separator: ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country:

Station information file (example):

**Data**

Year:  Variable:  Unit:

Showing 0 to 0 of 0 entries

Field separator: ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Variable: ☒ Precipitation ☐ Temperature

Unit: ☒ mm/month ☐ mm/day

Country:

Data file (example):

Information

Success : Observed data file uploaded.

## Data Processing

## Step 2. Upload data to CLIK

## Metadata

1

**CLIK** Climate Information Toolkit **MME** **Downscale** **My Page** [Logout](#) [Edit](#) [HelpDesk](#)

**Stations [ Dataset : DAEGU ]**

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

[Upload](#) [Export](#) [Insert](#) [Modify](#)

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country

Station information file (example) [Select File...](#) [Upload](#)

## Observation data

2

**Data [ Station ID : 143 ]**

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973	PREC	mm/month	65.8	16.7	6.6	135.1	98.2	51.5	119.5	120.6	135.3	99.3	13.3	2.5
1974	PREC	mm/month	11.1	17.2	29.6	130.7	137.1	123	390.3	218.9	15	92.5	9.6	39.6
1975	PREC	mm/month	17.1	13.7	49.4	99.2	75.8	117.6	303.8	74	119.2	62.9	81.4	29.5
1976	PREC	mm/month	0.7	79.1	56.3	97.6	35.2	93.4	44.4	217	24.8	43	21.3	20.7
1977	PREC	mm/month	2.3	0	51.4	159.4	48.2	78.1	73.7	95.7	123	20.2	97.5	20.2

Showing 1 to 47 of 47 entries

[Upload](#) [Export](#) [Insert](#) [Modify](#)

Field separator ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Variable ☒ Precipitation ☐ Temperature

Unit ☒ mm/month ☐ mm/day ☐ others:

Country

Data file (example) [Select File...](#)  [Upload](#)

Close

## Data Processing

## Step 2. Upload data to CLIK

## Metadata

1

**CLIK** Climate Information Toolkit **MME Downscale My Page** Logout Edit HelpDesk

**Stations [ Dataset : DAEGU ]**

Station ID	Country	NAME	WMO ID	Latitude	Longitude	Undefined
143	Korea, Republic of	Daegu	-	35.878	128.653	-999

Showing 1 to 1 of 1 entries

Field separator: ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Country:

Station information file (example):  DAEGU\_META.txt

## Observation data

2

**Data [ Station ID : 143 ]**

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973	PREC	mm/month	65.8	16.7	6.6	135.1	98.2	51.5	119.5	120.6	135.3	99.3	13.3	2.5
1973	TEMP	degC	2.1	3	6.7	14.4	18.4	22.1	28.5	28.2	21.1	14	6.8	-0.4
1974	PREC	mm/month	11.1	17.2	29.6	130.7	137.1	123	390.3	218.9	15	92.5	9.6	39.6
1974	TEMP	degC	-1	0.3	5.7	13.2	18.5	21.9	22.6	26.5	20.9	14.5	6.6	1.6
1975	PREC	mm/month	17.1	13.7	49.4	99.2	75.8	117.6	303.8	74	119.2	62.9	81.4	29.5

Showing 1 to 93 of 93 entries

Field separator: ☒ Comma(,) ☐ Space() ☐ Tab() ☐ Colon(:)

Variable: ☐ Precipitation ☒ Temperature

Unit: ☒ degC ☐ degK

Country:

Data file (example):  DAEGU\_TEMP.txt



## Data Processing

## Step 2. Upload data to CLIK

**CLIK** Climate Information Toolkit

MME **Downscale** My Page Logout Edit HelpDesk

Select Dataset / Station

Datasets

Dataset Name	Countries	Total Stations	Period(prec)	Period(temp)	Public
DAEGU	Korea, Republic of	1	1973 ~ 2019	1973 ~ 2018	downy
GHCN	GHCN	3707	1950 ~ 2009	N/A	PUBLIC
Korea 101 Stations	Korea, Republic of	101	1973 ~ 2019	1973 ~ 2019	PUBLIC
MCDW(Monthly Climatic Data for th...	The World	663	1998 ~ 2014	1998 ~ 2014	PUBLIC

Create Edit Remove

World map showing station locations. Scale: 5000km. How to use?

▼ Add ▲ Remove

## Data Processing

## Step 2. Upload data to CLIK

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MCDW(Monthly Climatic Data for th...	The World	6463	1998 ~ 2014	1998 ~ 2014	PUBLIC

Create Edit Remove



Stations (1)


Station ID	Name	Precipitation	Temperature
143	Daegu	1973/1 ~ 2019/12	1973/1 ~ 2018/12

NEXT

# Data Processing

## Step 2. Upload data to CLIK

### Example error 1



1	station_id	year	jan	feb,	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
2	159	1973	84.7	43.7	13.1	126.9	329.3	72.2	53.3	17.2	239.2	119.5	41.1	2.9
3	159	1974	43	41.8	90.9	234.5	371.3	231.5	442.4	75.4	16.6	108.2	14.3	28.1
4	159	1975	31.1	17.9	93.3	243.9	180.5	135.4	253.8	79.1	270.8	57.2	130.2	42.9
5	159	1976	0.7	103.1	68.5	220.5	93.6	100.8	95	175	58.7	68.8	31.9	35.3
6	159	1977	3.9	0	106.9	275.2	124.1	169.1	112.4	66	97.6	23.5	129.4	34.1


Observed Data of station 159 on Korea, Republic of

Year ▲	Variable ◆	Unit ◆	JAN ◆	FEB ◆	MAR ◆	APR ◆	MAY ◆	JUN ◆	JUL ◆	AUG ◆	SEP ◆	OCT ◆	NOV ◆	DEC ◆
1973	PREC	mm/month	84.7		13.1	126.9	329.3	72.2	53.3	17.2	239.2	119.5	41.1	2.9
1974	PREC	mm/month	43		90.9	234.5	371.3	231.5	442.4	75.4	16.6	108.2	14.3	28.1
1975	PREC	mm/month	31.1		93.3	243.9	180.5	135.4	253.8	79.1	270.8	57.2	130.2	42.9
1976	PREC	mm/month	0.7		68.5	220.5	93.6	100.8	95	175	58.7	68.8	31.9	35.3
1977	PREC	mm/month	3.9		106.9	275.2	124.1	169.1	112.4	66	97.6	23.5	129.4	34.1

## Data Processing

## Step 2. Upload data to CLIK

## Example error 2



	station_id	year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
2	159	1973	84.7	43.7	13.1	126.9	-	-999	53.3	17.2	239.2	119.5	41.1	2.9
3	159	1974	43	41.8	90.9	234.5	371.3	231.5	442.4	75.4	16.6	108.2	14.3	28.1
4	159	1975	31.1	17.9	93.3	243.9	180.5	135.4	253.8	79.1	270.8	57.2	130.2	42.9
5	159	1976	0.7	103.1	68.5	220.5	93.6	100.8	95	175	58.7	68.8	31.9	35.3
6	159	1977	3.9	0	106.9	275.2	124.1	169.1	112.4	66	97.6	23.5	129.4	34.1

Observed Data of station 159 on Kor

Year	Variable	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973	PREC	mm/month	84.7	43.7	13.1	126.9	-	-999	53.3	17.2	239.2	119.5	41.1	2.9
1974	PREC	mm/month	43	41.8	90.9	234.5	371.3	231.5	442.4	75.4	16.6	108.2	14.3	28.1
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1977	PREC	mm/month	3.9	0	106.9	275.2	124.1	169.1	112.4	66	97.6	23.5	129.4	34.1

Information

Failed Observed Data Upload: ### Error updating database. Cause: java.sql.SQLException: Data truncated for column 'may' at row 2 ###

The error may involve org.apcc21.clik.server.service.INSERT\_STATION\_OBS\_DATA\_NO\_STATION\_NAME-

Inline ### The error occurred while setting parameters ### Cause: java.sql.SQLException: Data truncated for column 'may' at row 2

Close





Thank you!