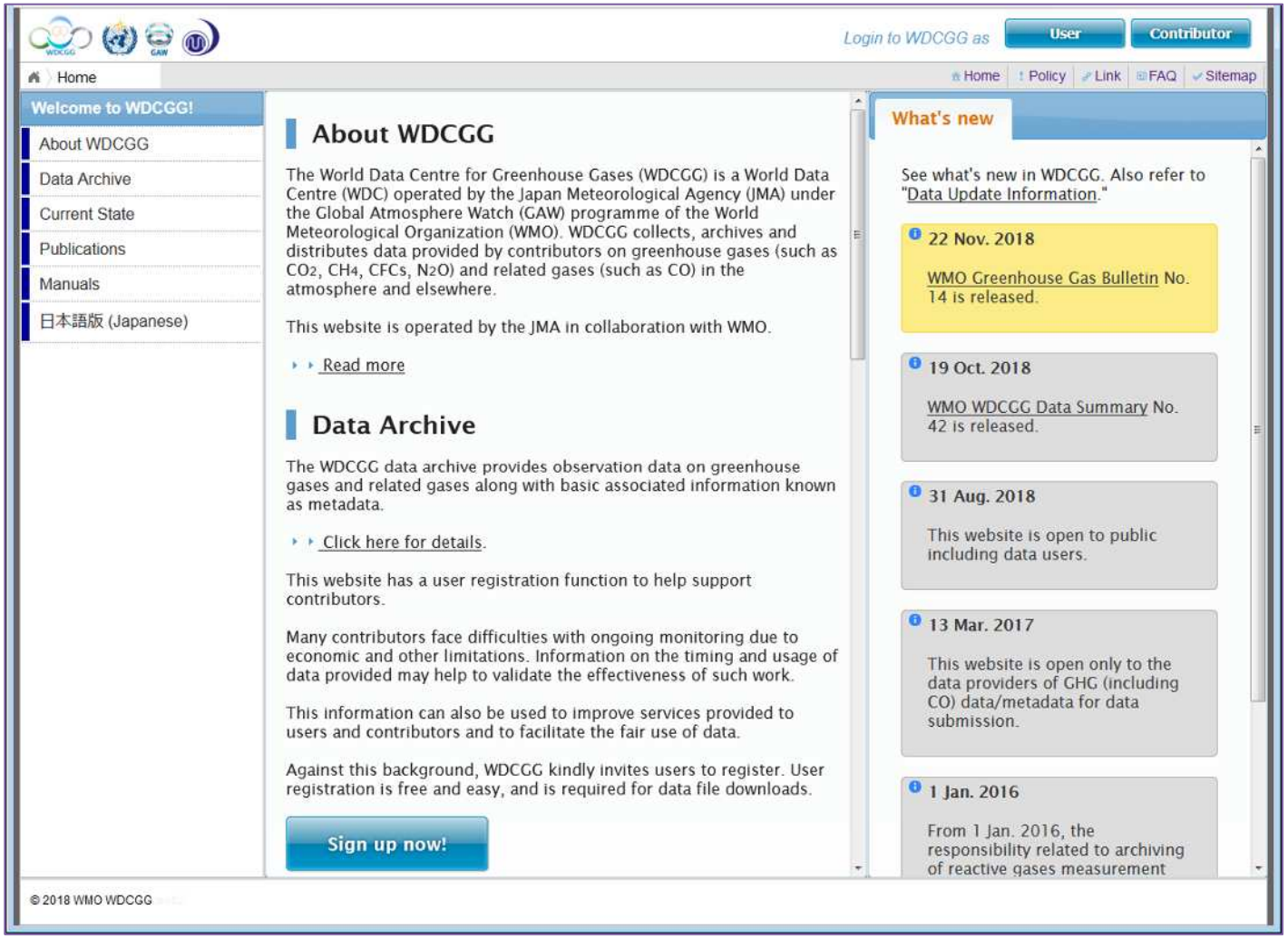
# New WDCGG Website

Mikio Ueno
Japan Meteorological Agency (JMA)

ET-WDC telecon, 12 December 2018.

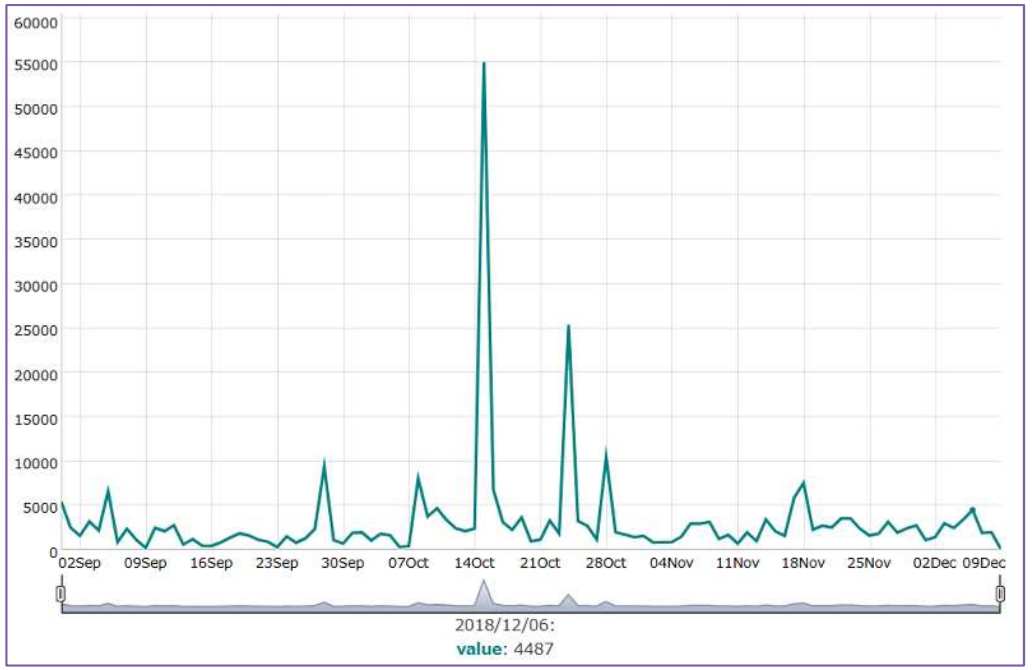
# New WDCGG website started on 31 August, 2018

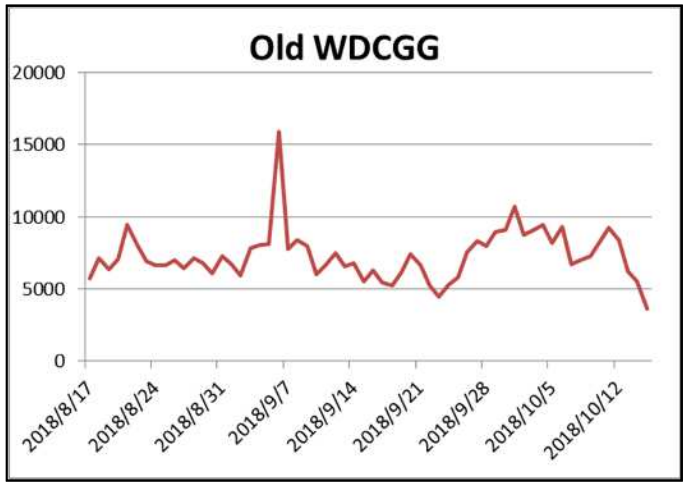
URL https://gaw.kishou.go.jp/




Old WDCGG website was closed on 30 November, 2018

# Access to WDCGG Website (31 August, 2018- )



# 1. Web interface

ET-WDC telecon, 12 December 2018.

# WDCGG Homepage

About WDCGG
- History
- Statistics
- etc.

Data Archive
- Search
- Map
- List

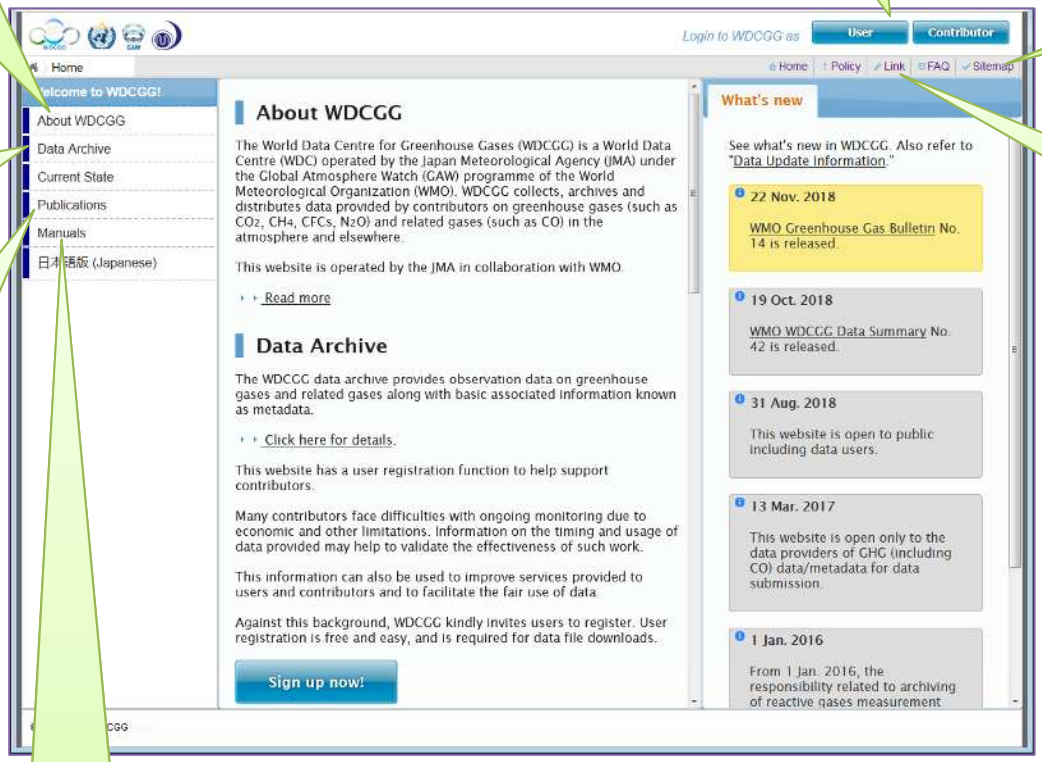
Publications
- Data Summary
- GHG Bulletin
- etc.

Manuals
- Contributor
- User

Login

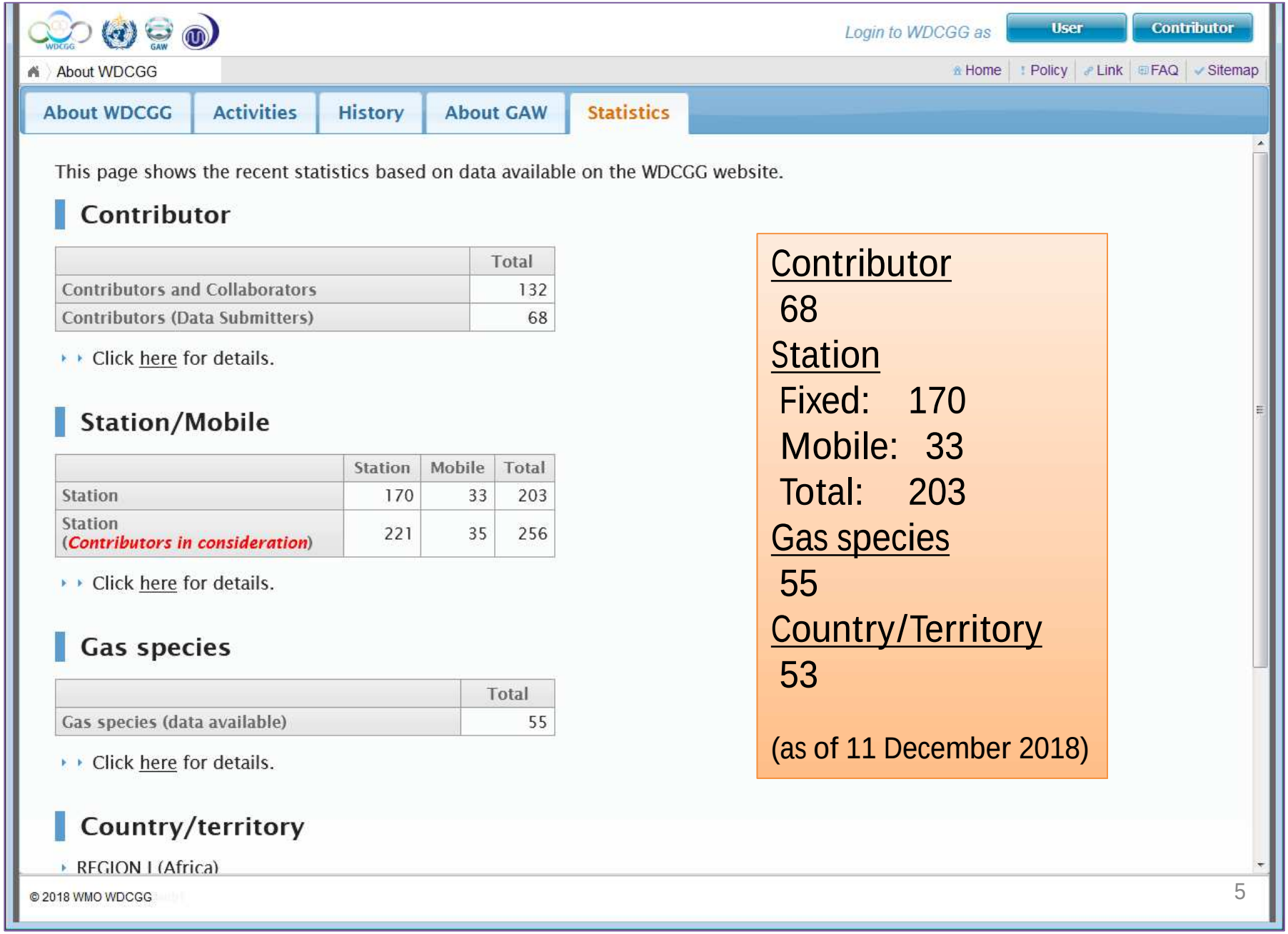
Sitemap

Related Links




URL https://gaw.kishou.go.jp/

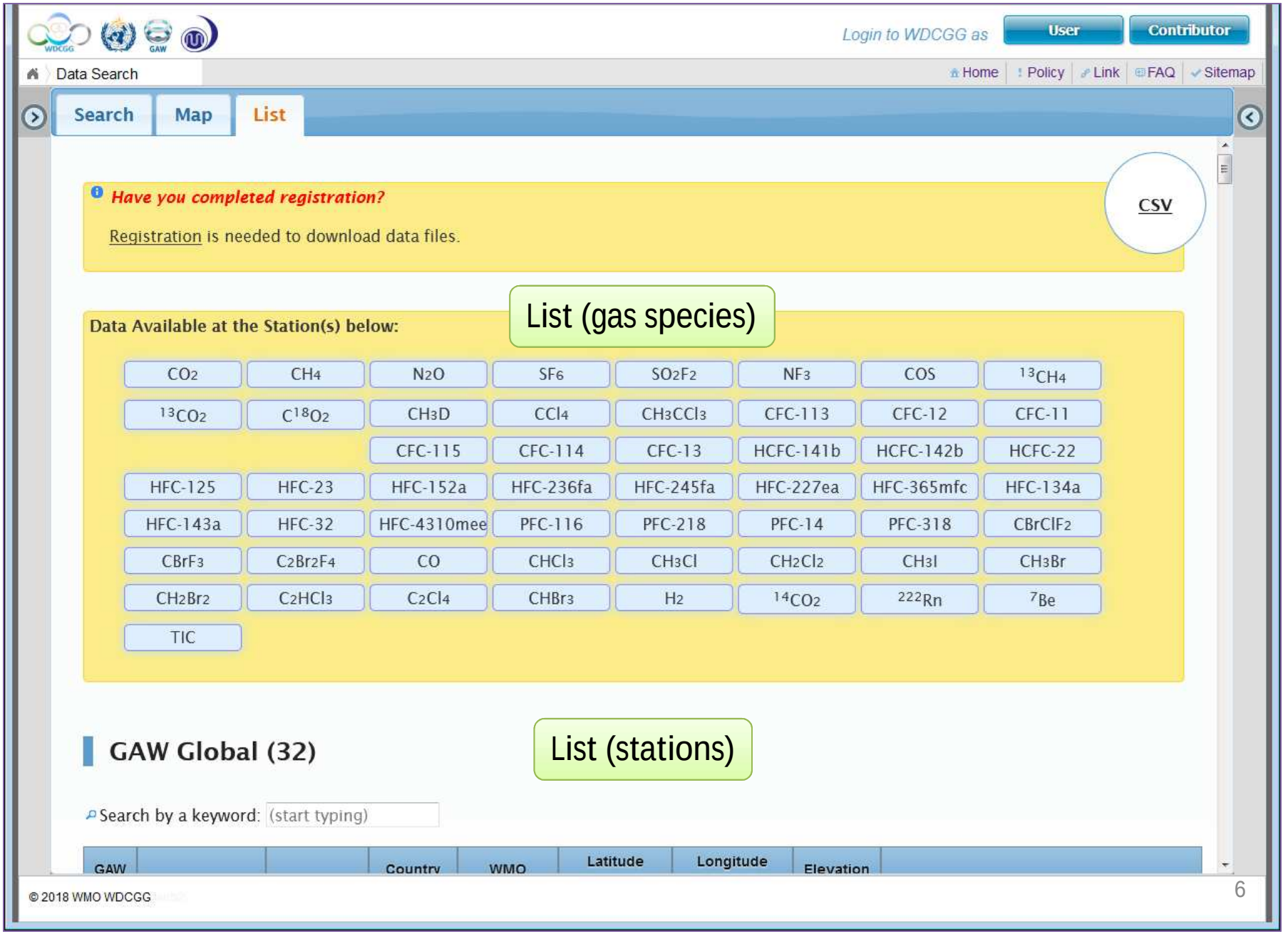
# About WDCGG - Statistics -



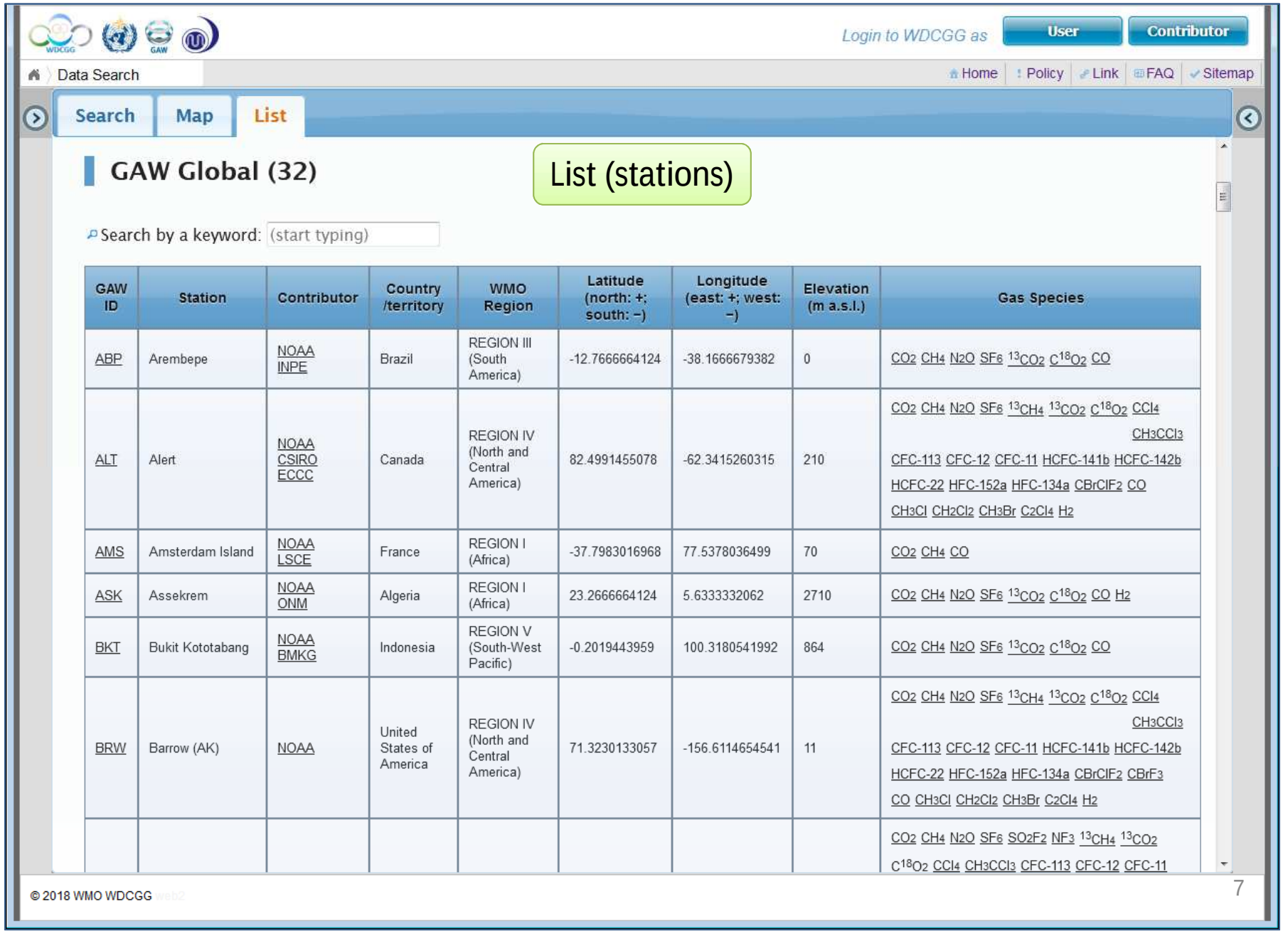

Contributor
68
Station
Fixed: 170
Mobile: 33
Total: 203
Gas species
55
Country/Territory
53

(as of 11 December 2018)

# Data Search - List -

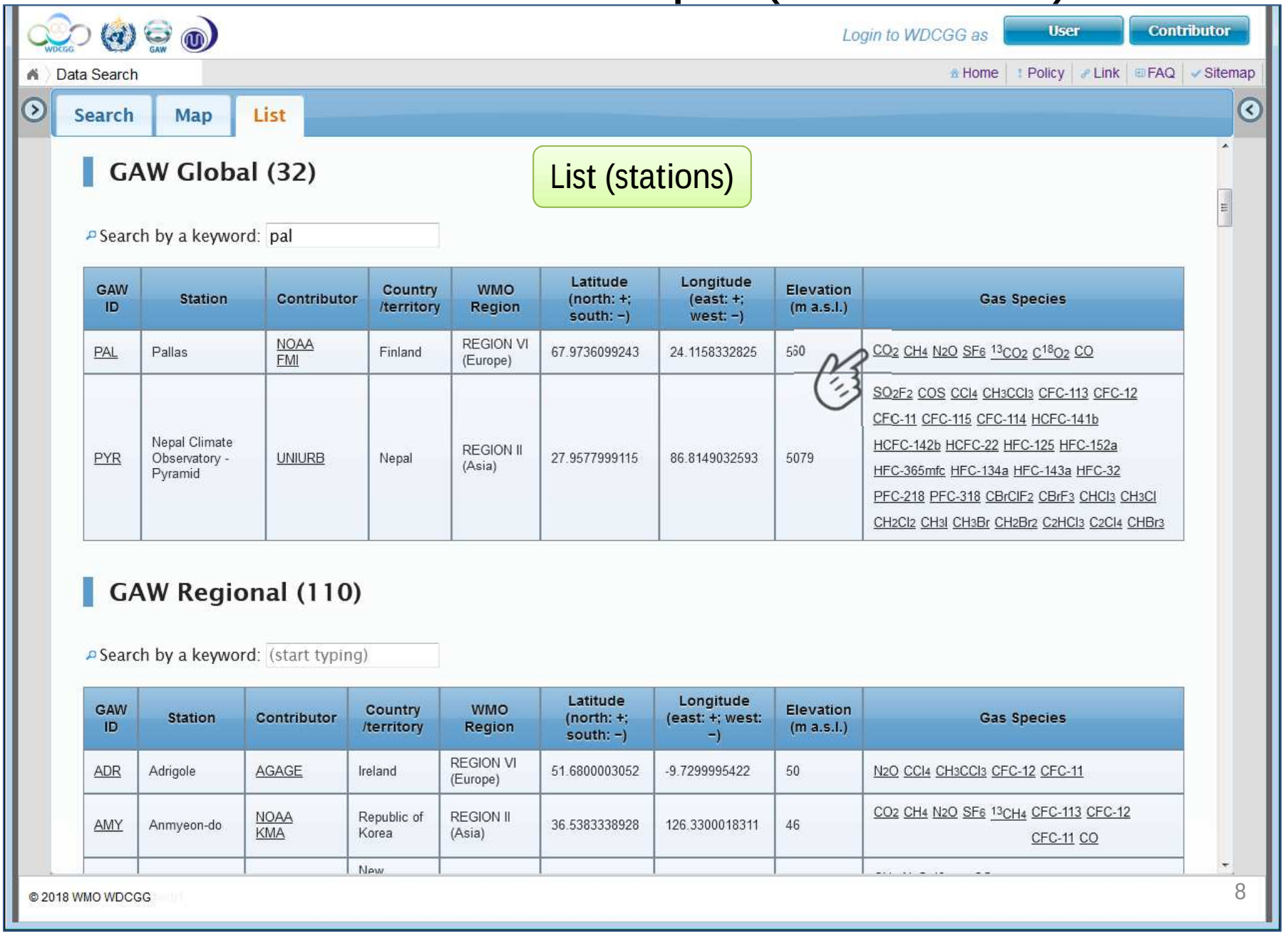


# Data Search - List -




| GAW ID | Station | Contributor | Country /territory | WMO Region | Latitude (north: +; south: −) | Longitude (east: +; west: −) | Elevation (m a.s.l.) | Gas Species |
|---|---|---|---|---|---|---|---|---|
| ABP | Arembepe | NOAA INPE | Brazil | REGION III (South America) | -12.7666664124 | -38.1666679382 | 0 | $CO_2$ $CH_4$ $N_2O$ $SF_6$ $^{13}CO_2$ $C^{18}O_2$ CO |
| ALT | Alert | NOAA CSIRO ECCC | Canada | REGION IV (North and Central America) | 82.4991455078 | -62.3415260315 | 210 | $CO_2$ $CH_4$ $N_2O$ $SF_6$ $^{13}CH_4$ $^{13}CO_2$ $C^{18}O_2$ $CCl_4$ $CH_3CCl_3$ CFC-113 CFC-12 CFC-11 HCFC-141b HCFC-142b HCFC-22 HFC-152a HFC-134a $CBrClF_2$ CO $CH_3Cl$ $CH_2Cl_2$ $CH_3Br$ $C_2Cl_4$ $H_2$ |
| AMS | Amsterdam Island | NOAA LSCE | France | REGION I (Africa) | -37.7983016968 | 77.5378036499 | 70 | $CO_2$ $CH_4$ CO |
| ASK | Assekrem | NOAA ONM | Algeria | REGION I (Africa) | 23.2666664124 | 5.6333332062 | 2710 | $CO_2$ $CH_4$ $N_2O$ $SF_6$ $^{13}CO_2$ $C^{18}O_2$ CO $H_2$ |
| BKT | Bukit Kototabang | NOAA BMKG | Indonesia | REGION V (South-West Pacific) | -0.2019443959 | 100.3180541992 | 864 | $CO_2$ $CH_4$ $N_2O$ $SF_6$ $^{13}CO_2$ $C^{18}O_2$ CO |
| BRW | Barrow (AK) | NOAA | United States of America | REGION IV (North and Central America) | 71.3230133057 | -156.6114654541 | 11 | $CO_2$ $CH_4$ $N_2O$ $SF_6$ $^{13}CH_4$ $^{13}CO_2$ $C^{18}O_2$ $CCl_4$ $CH_3CCl_3$ CFC-113 CFC-12 CFC-11 HCFC-141b HCFC-142b HCFC-22 HFC-152a HFC-134a $CBrClF_2$ $CBrF_3$ CO $CH_3Cl$ $CH_2Cl_2$ $CH_3Br$ $C_2Cl_4$ $H_2$ |
| | | | | | | | | $CO_2$ $CH_4$ $N_2O$ $SF_6$ $SO_2F_2$ $NF_3$ $^{13}CH_4$ $^{13}CO_2$ $C^{18}O_2$ $CCl_4$ $CH_3CCl_3$ CFC-113 CFC-12 CFC-11 |

# Data Search - example (Pallas, CO2) -



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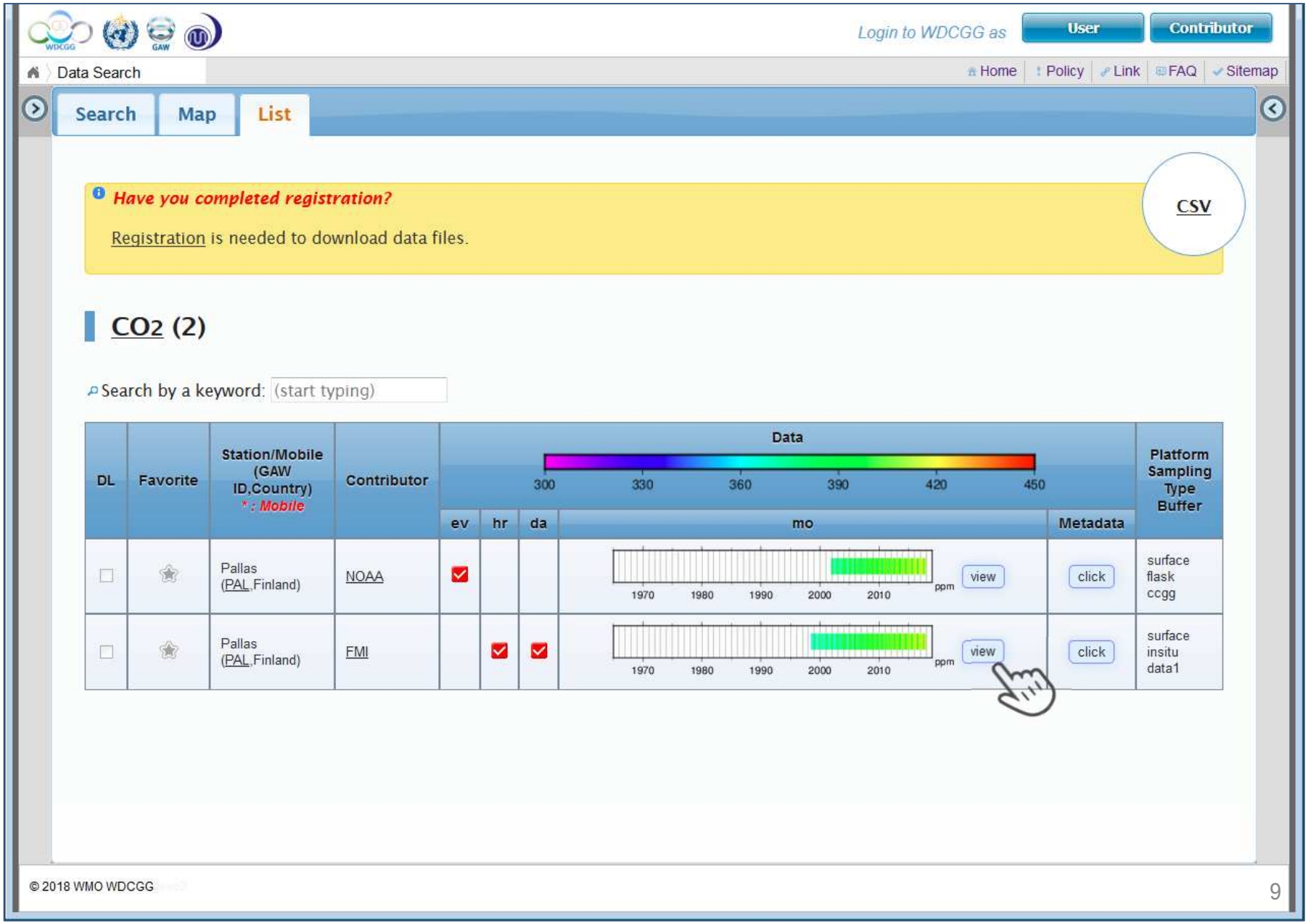

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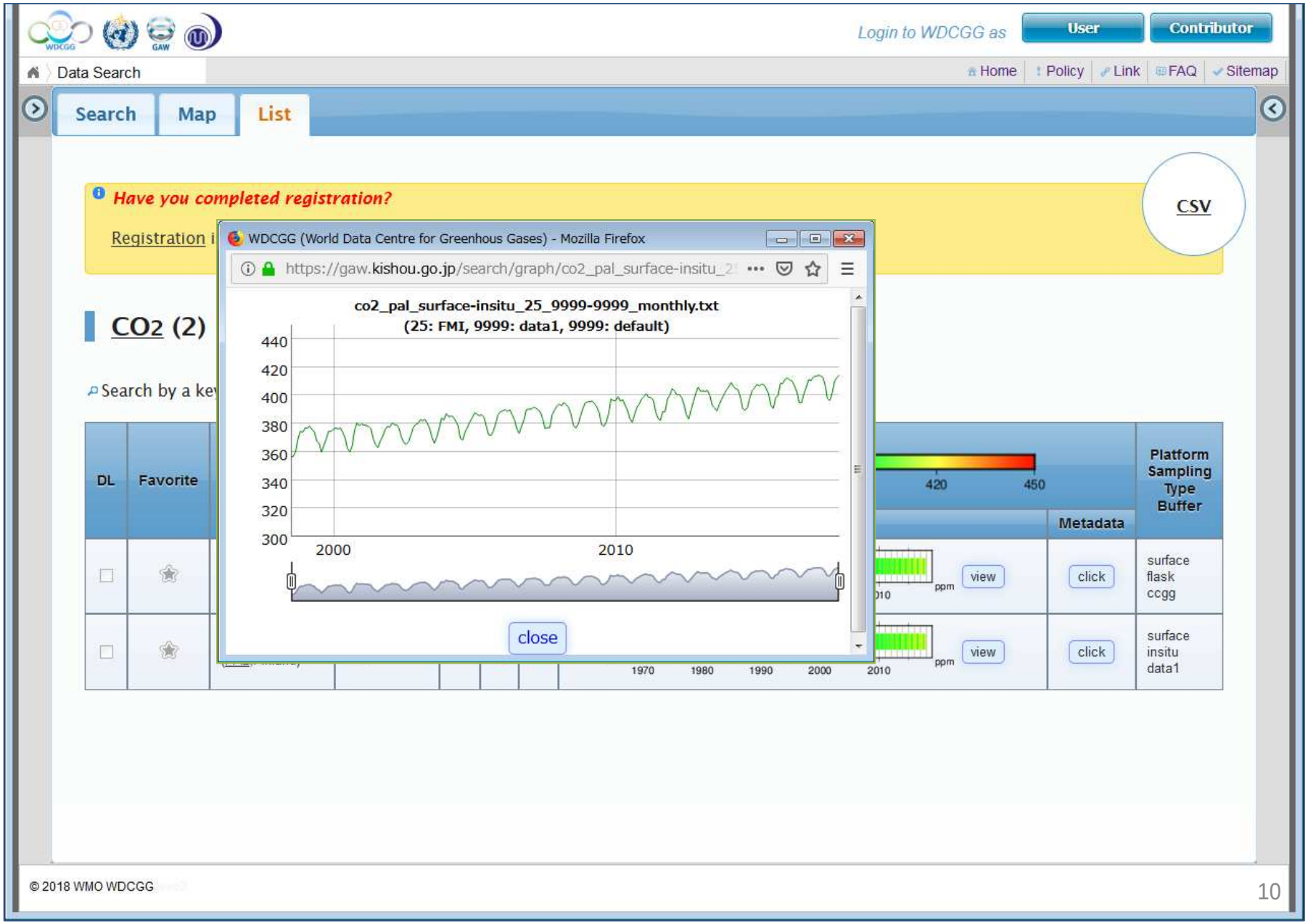
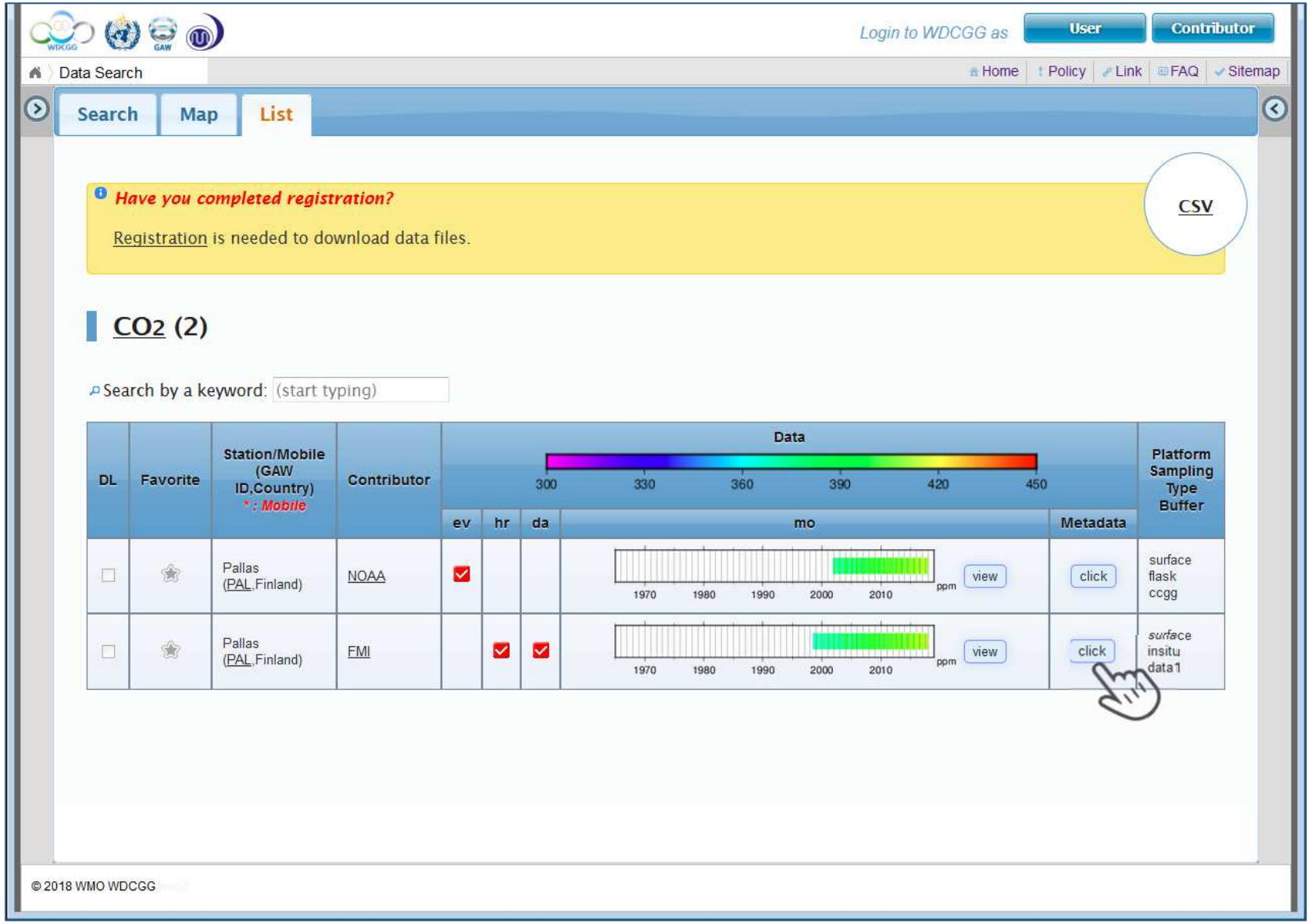


# Data Search - example (Pallas, CO2) -



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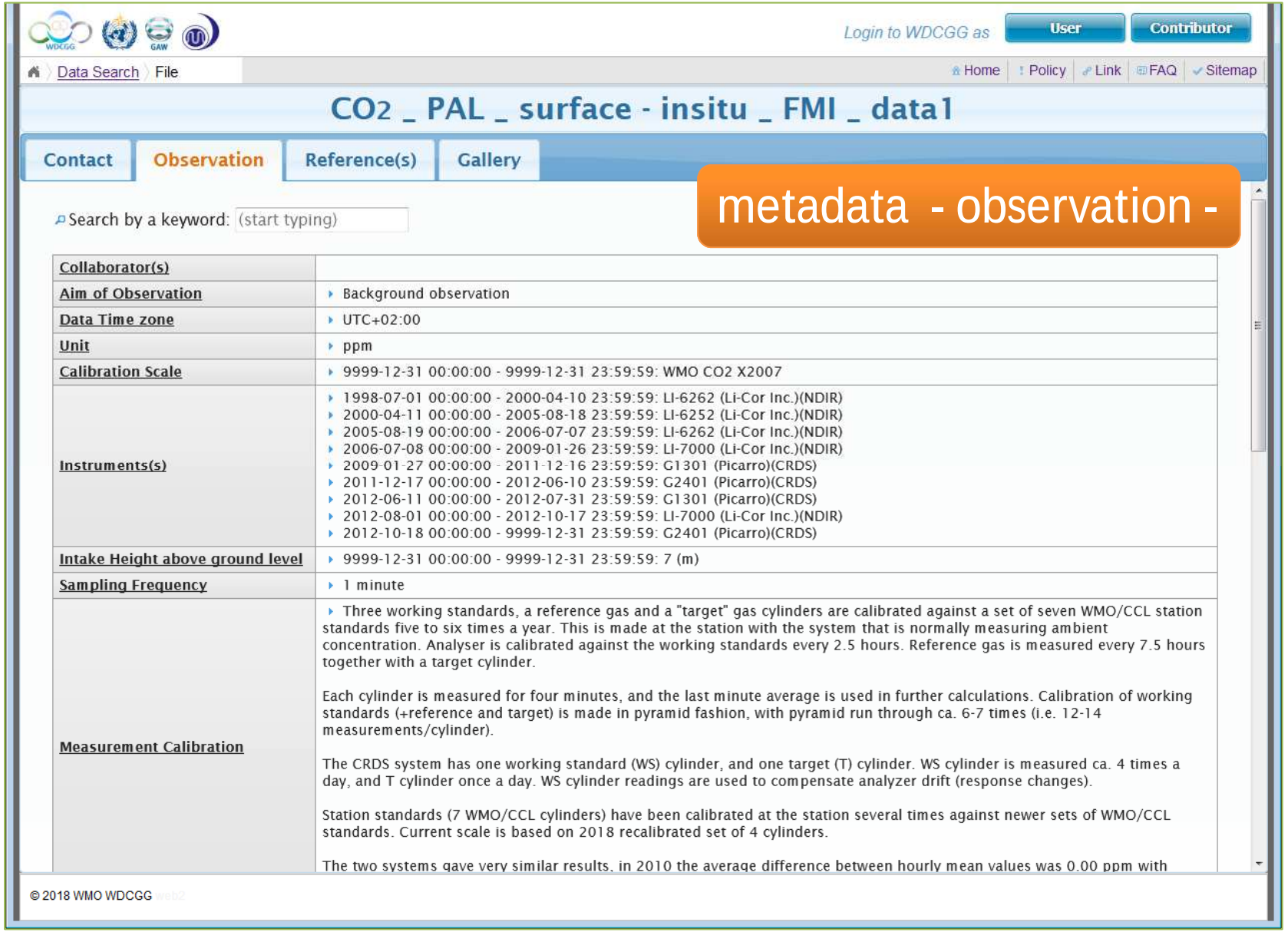
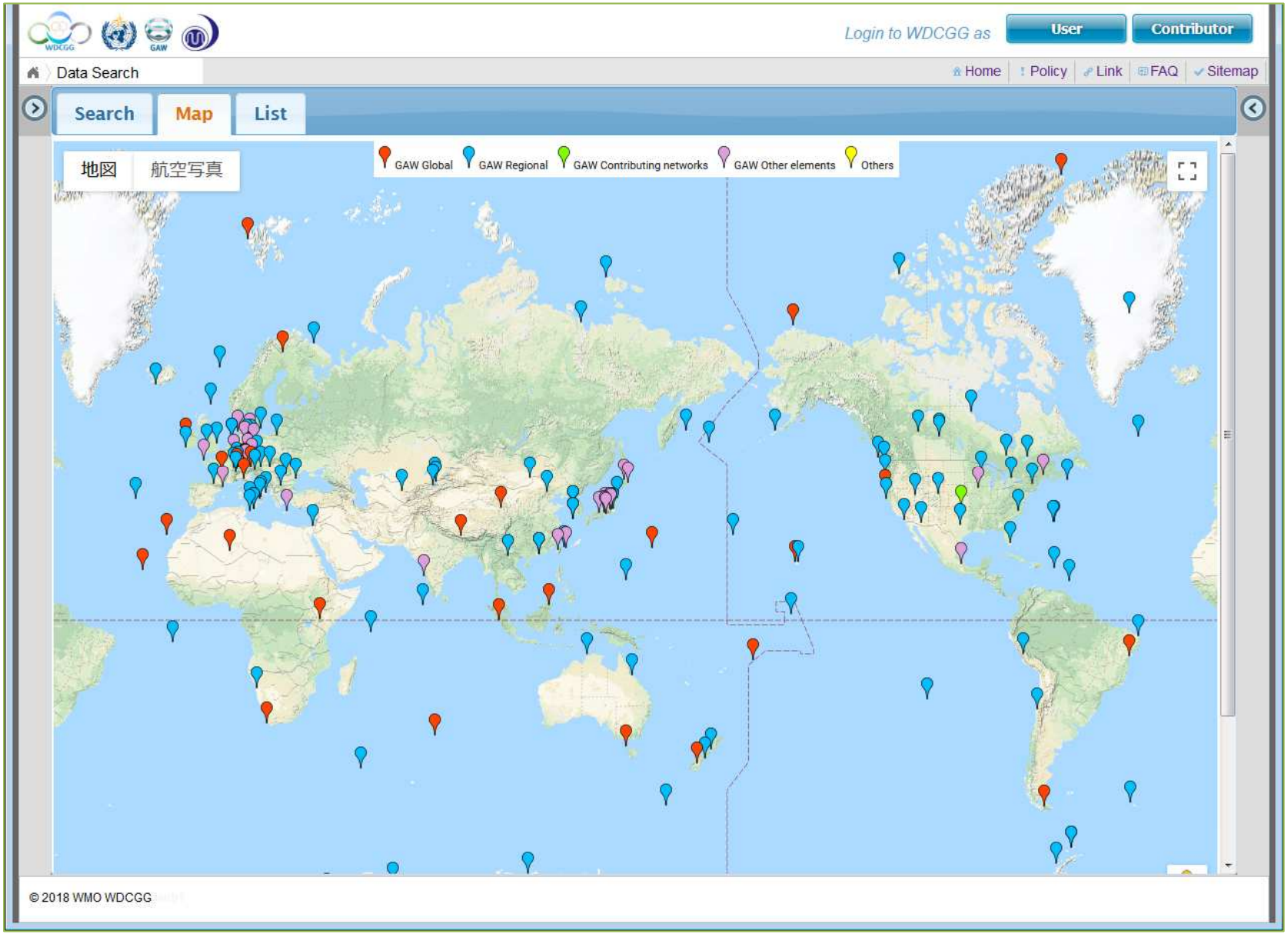
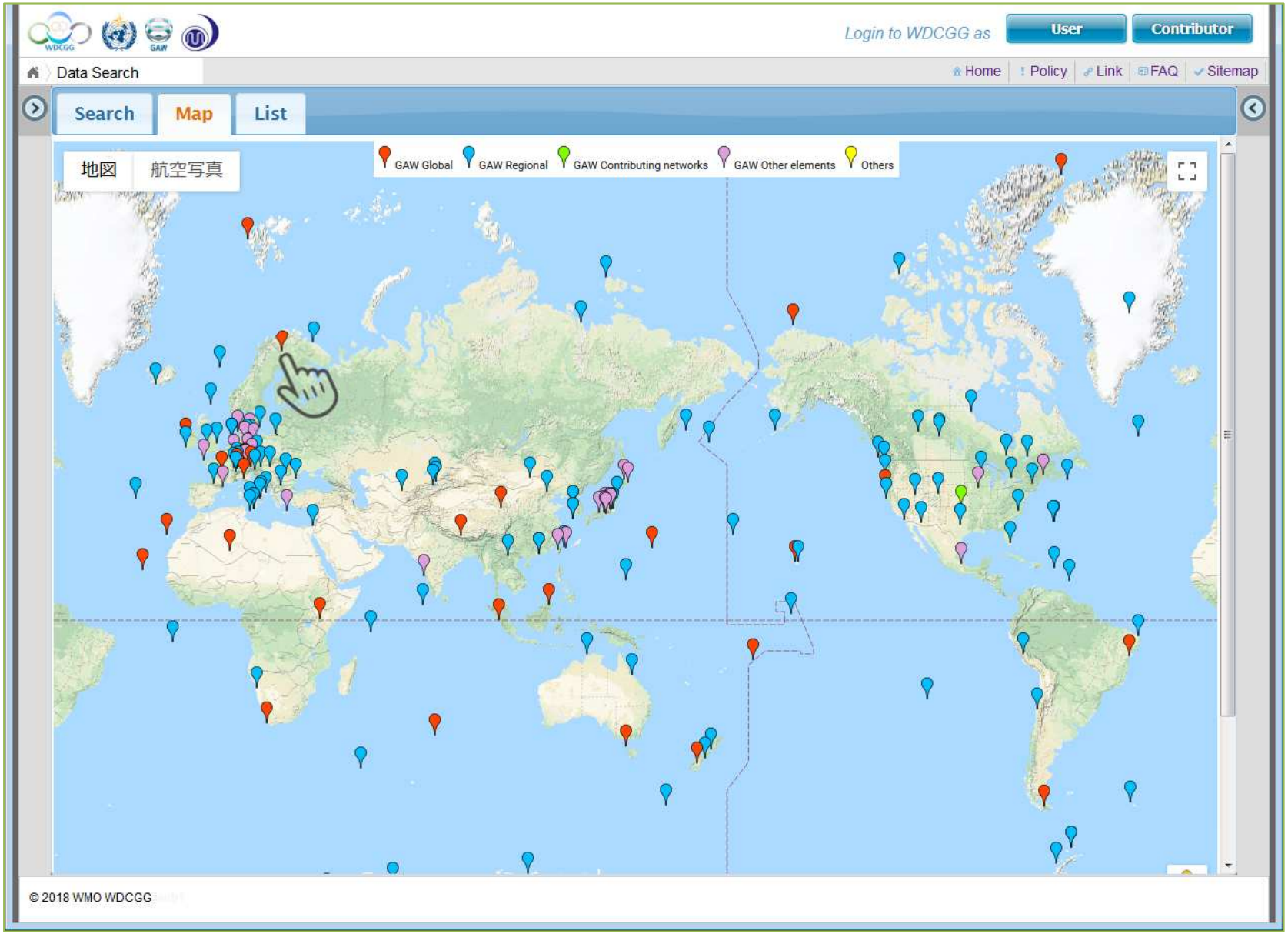


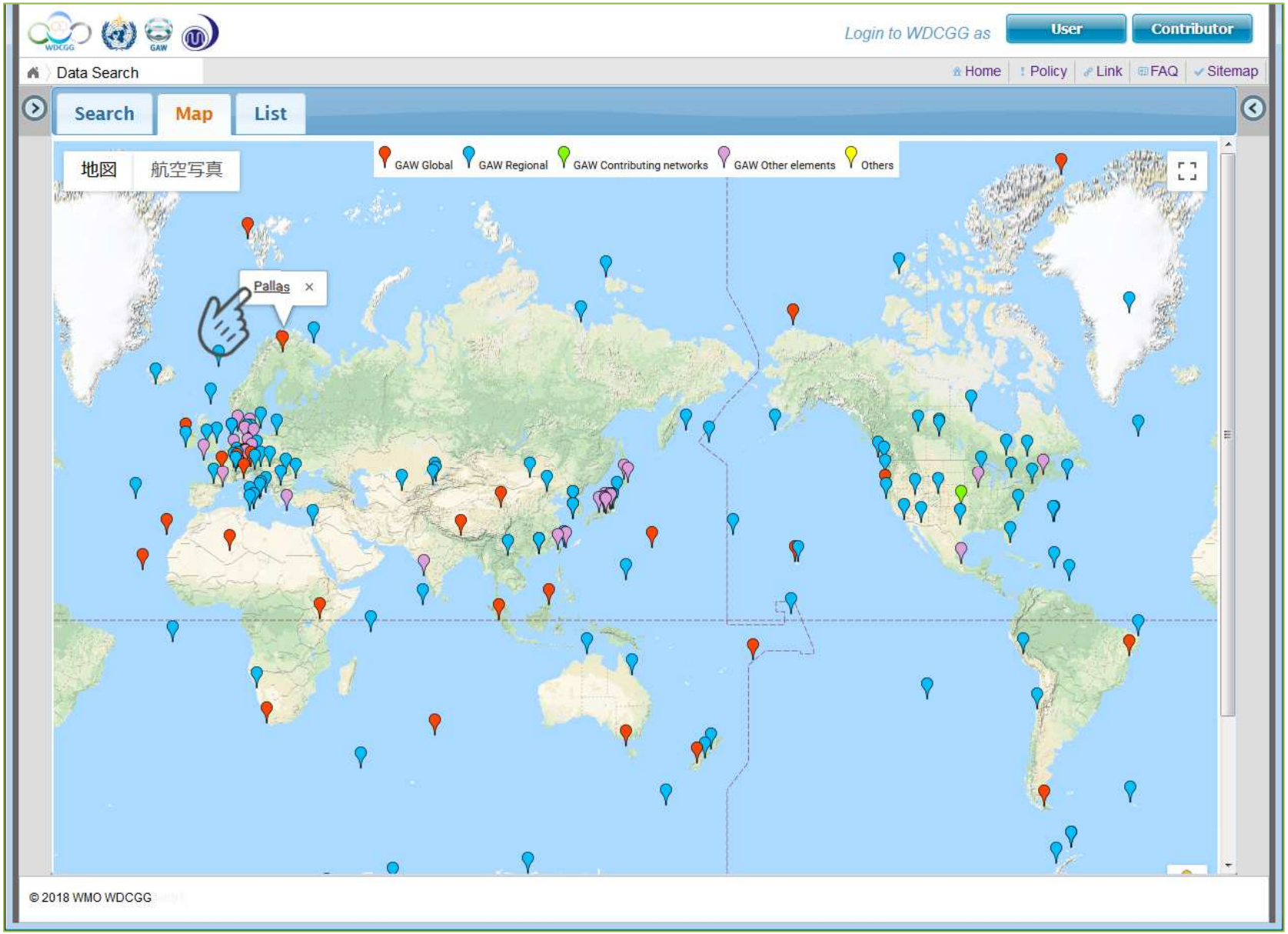
# Data Search - Map -



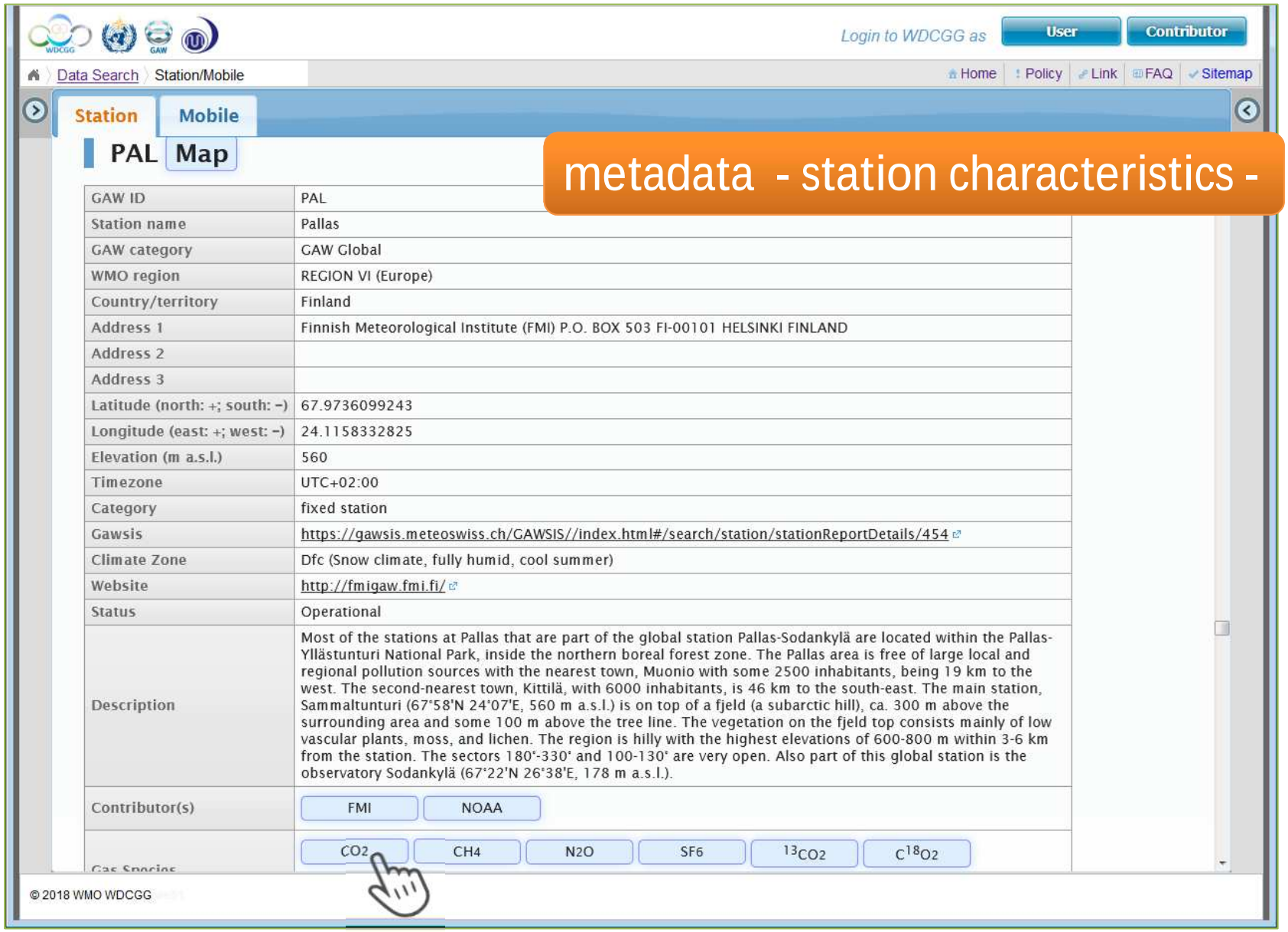
# Data Search - example (Pallas) -



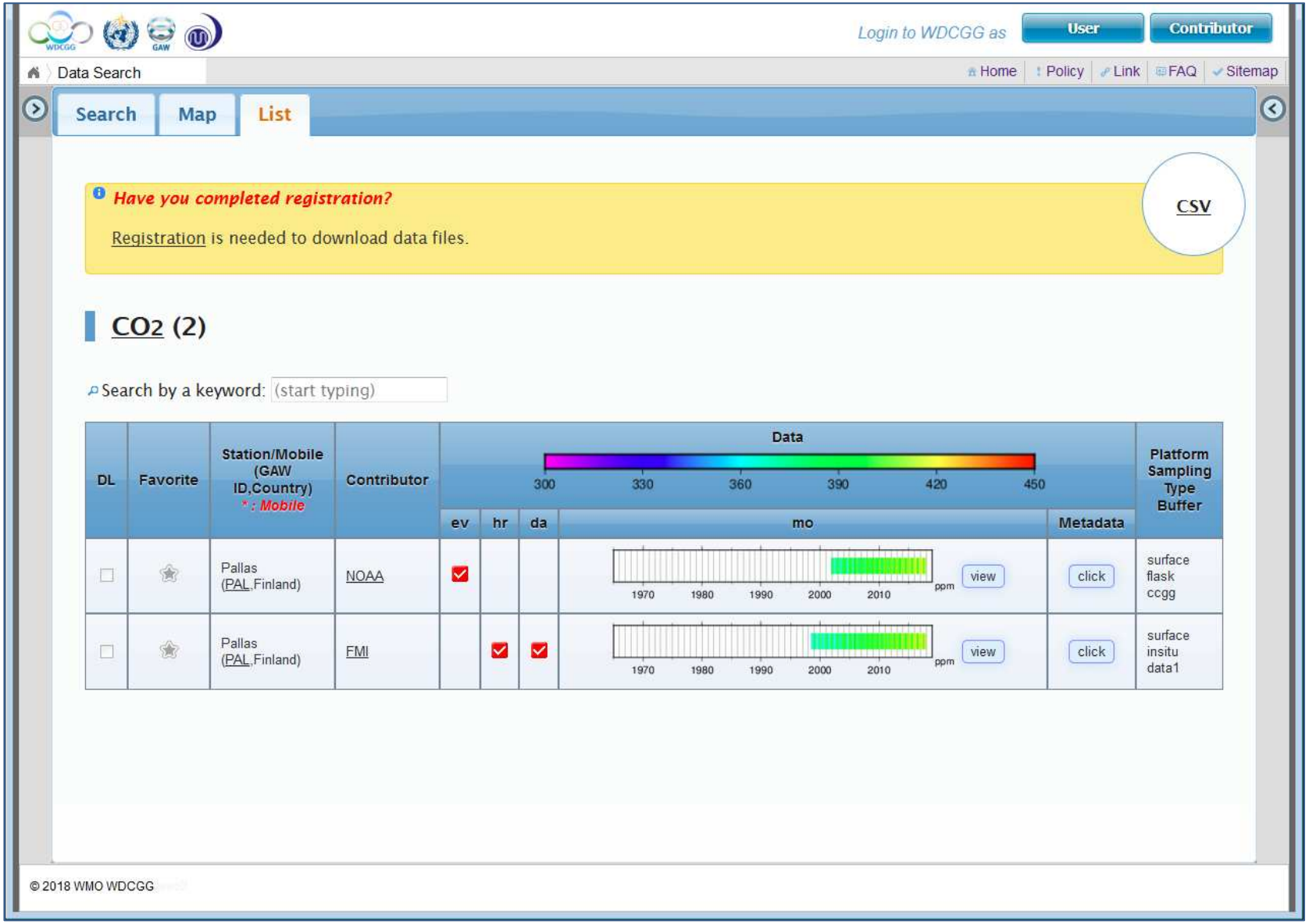
# Data Search - example (Pallas) -



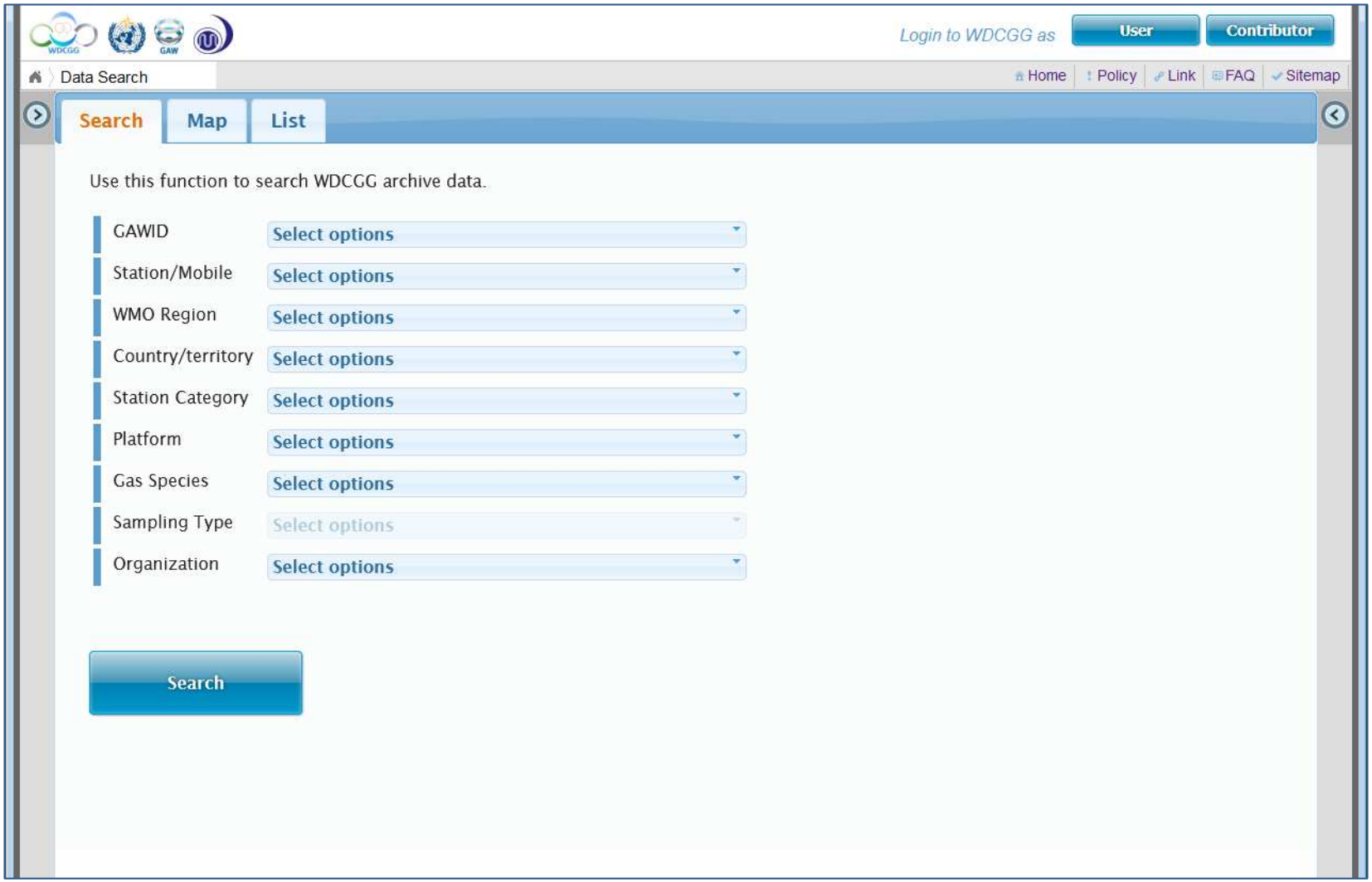
# Data Search - example (Pallas) -



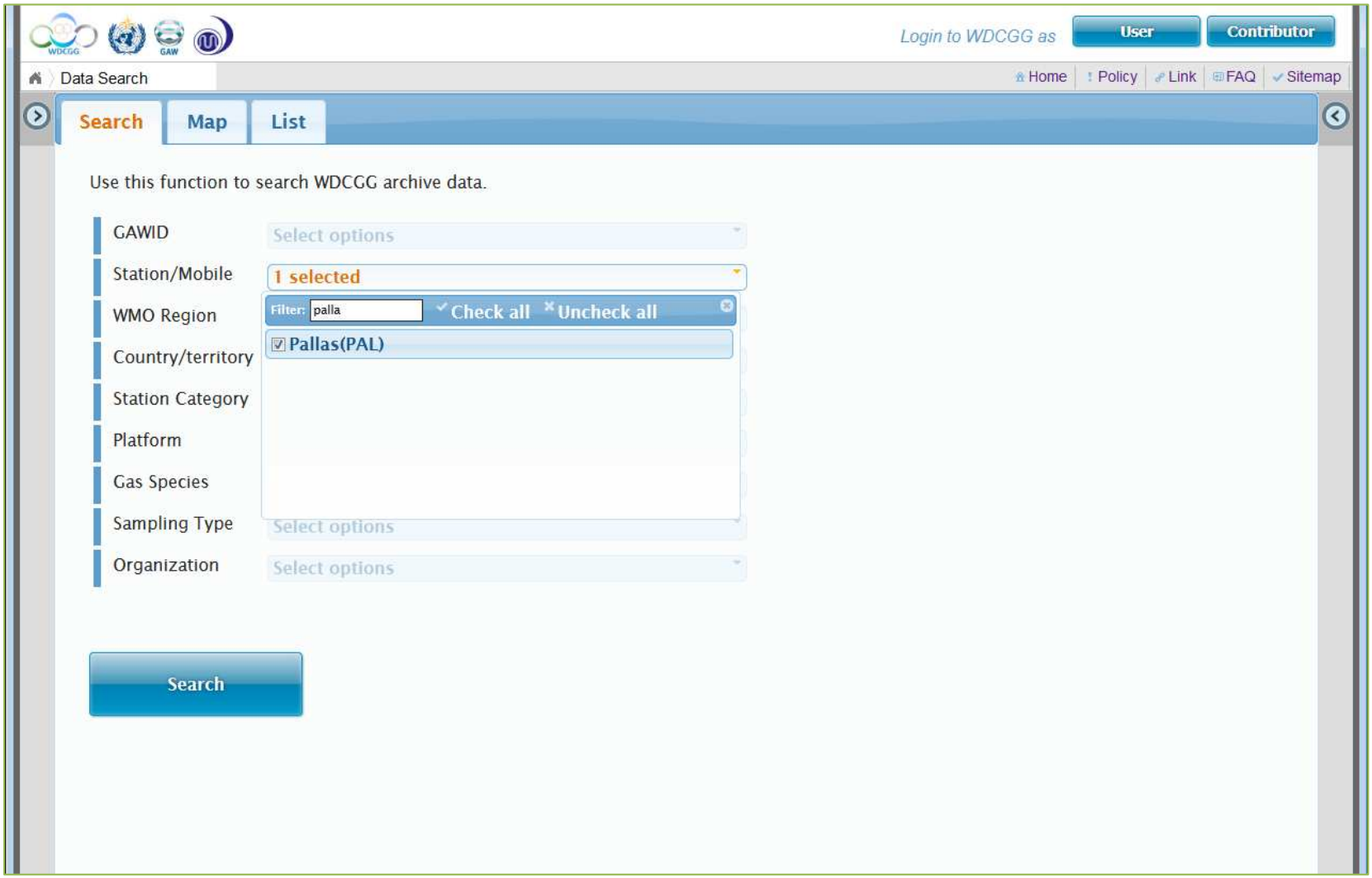
# Data Search - example (Pallas, CO2) -



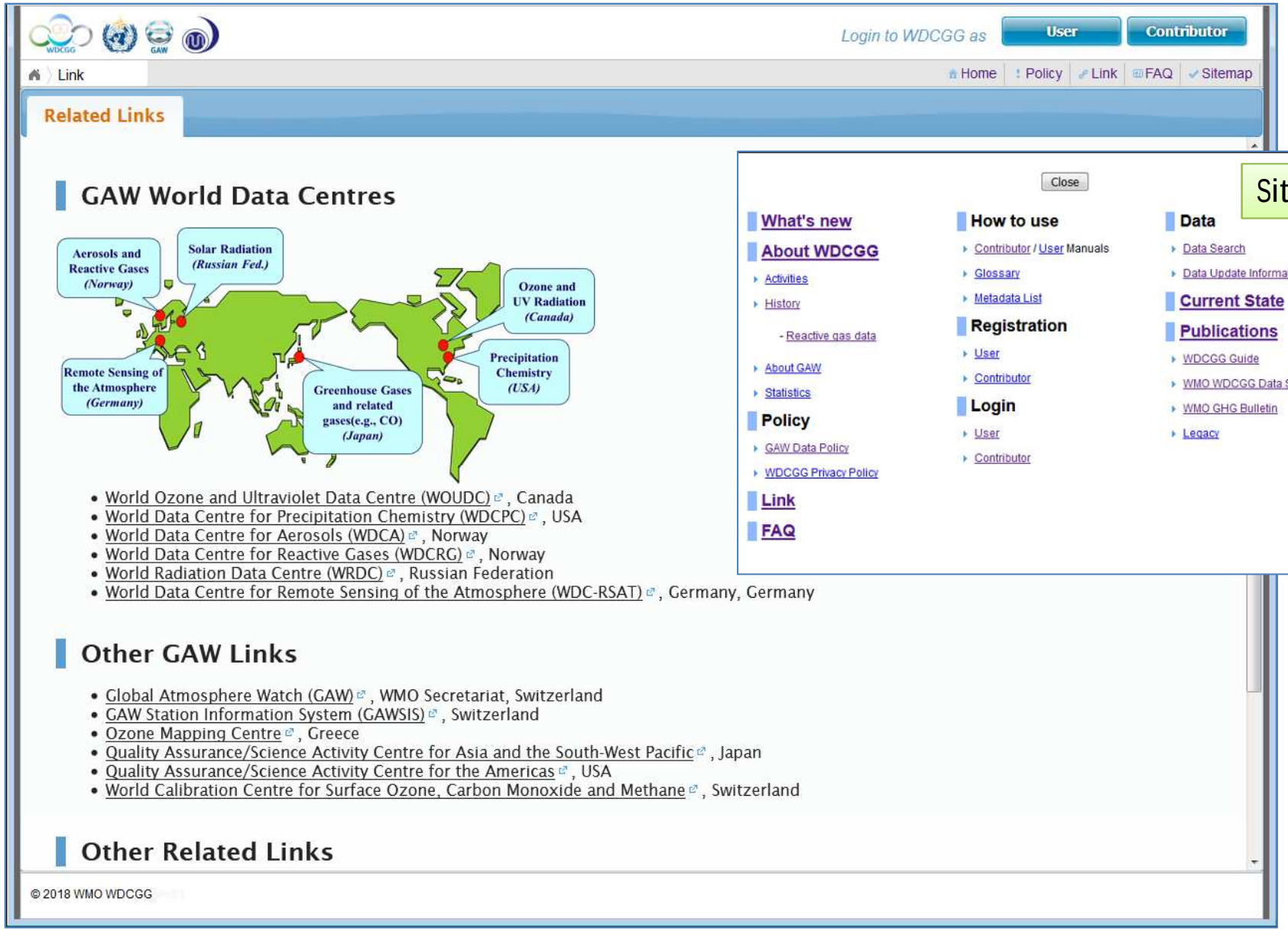
# Data Search - Search by parameters -



# Data Search - Example (Pallas) -



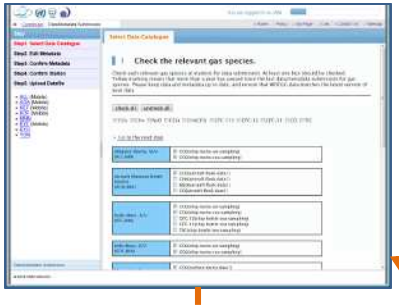
# Related Links & Sitemap



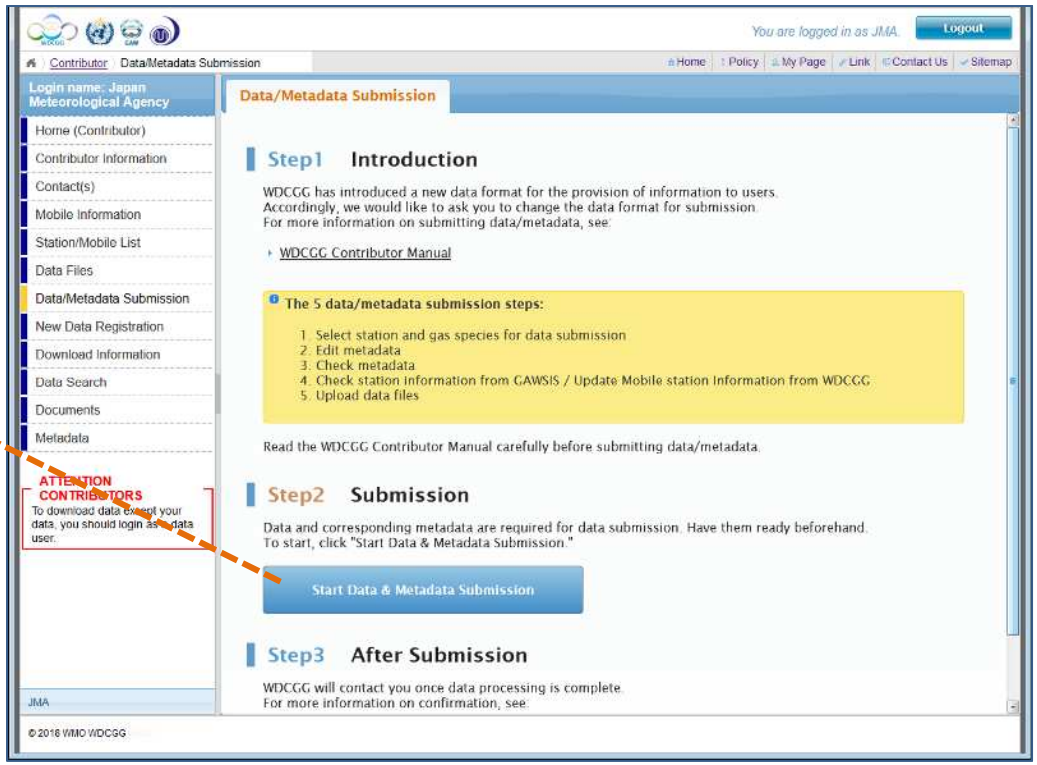
# 2. Major change of procedures

# Contributor: data & metadata submission procedure

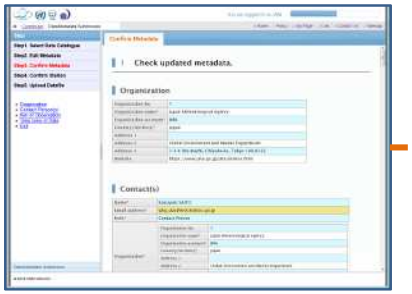
1. Select station(s) & gas species



2. Edit metadata

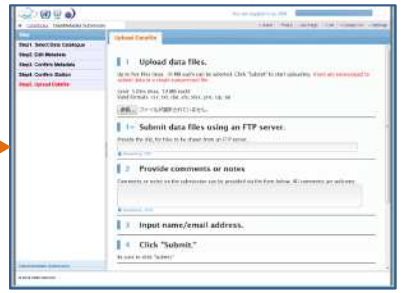



3. Check metadata

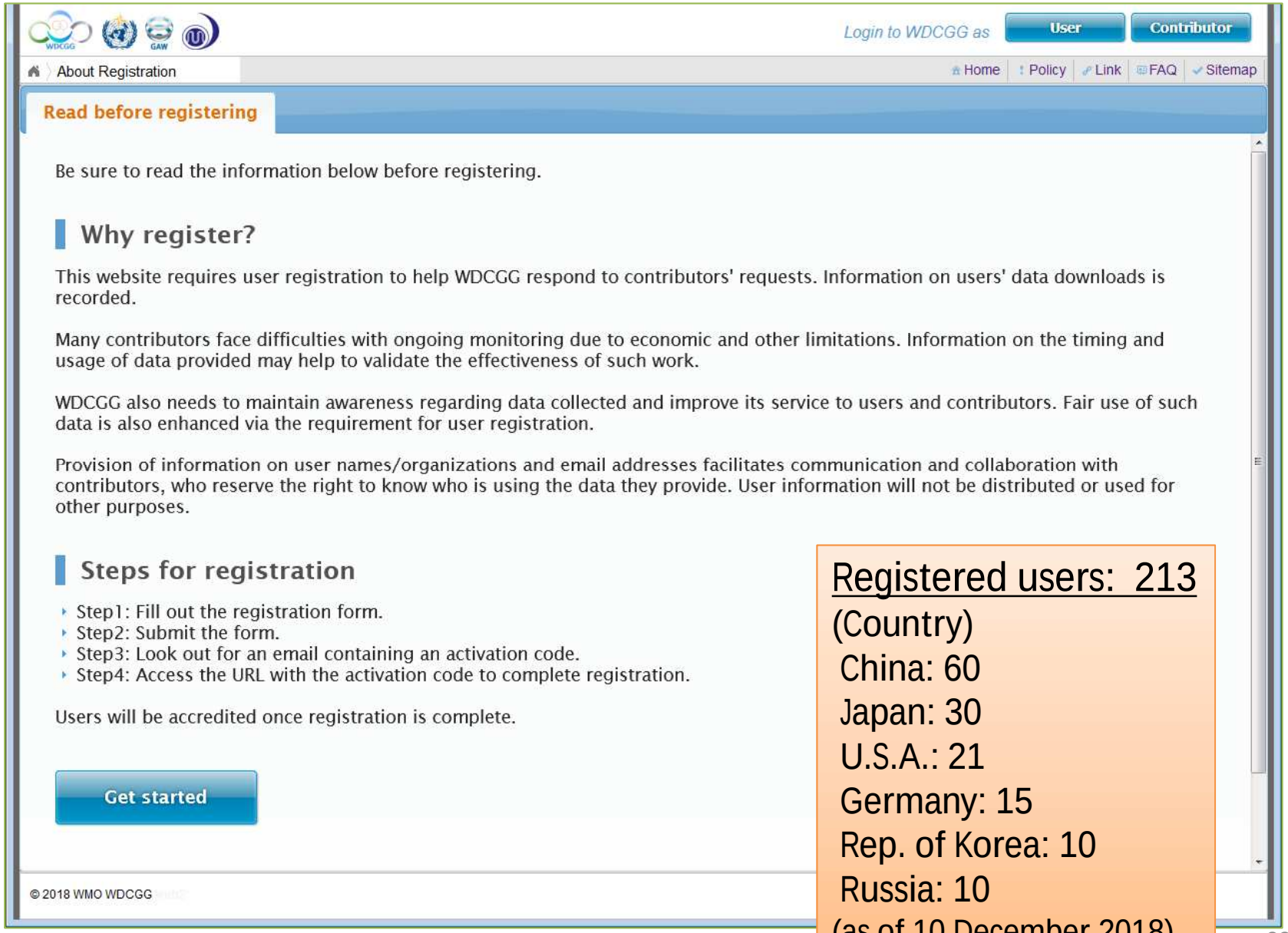


4. Check station info.

5. Upload data files



# User Registration is needed to download data files




Registered users: 213

(Country)

China: 60

Japan: 30

U.S.A.: 21

Germany: 15

Rep. of Korea: 10

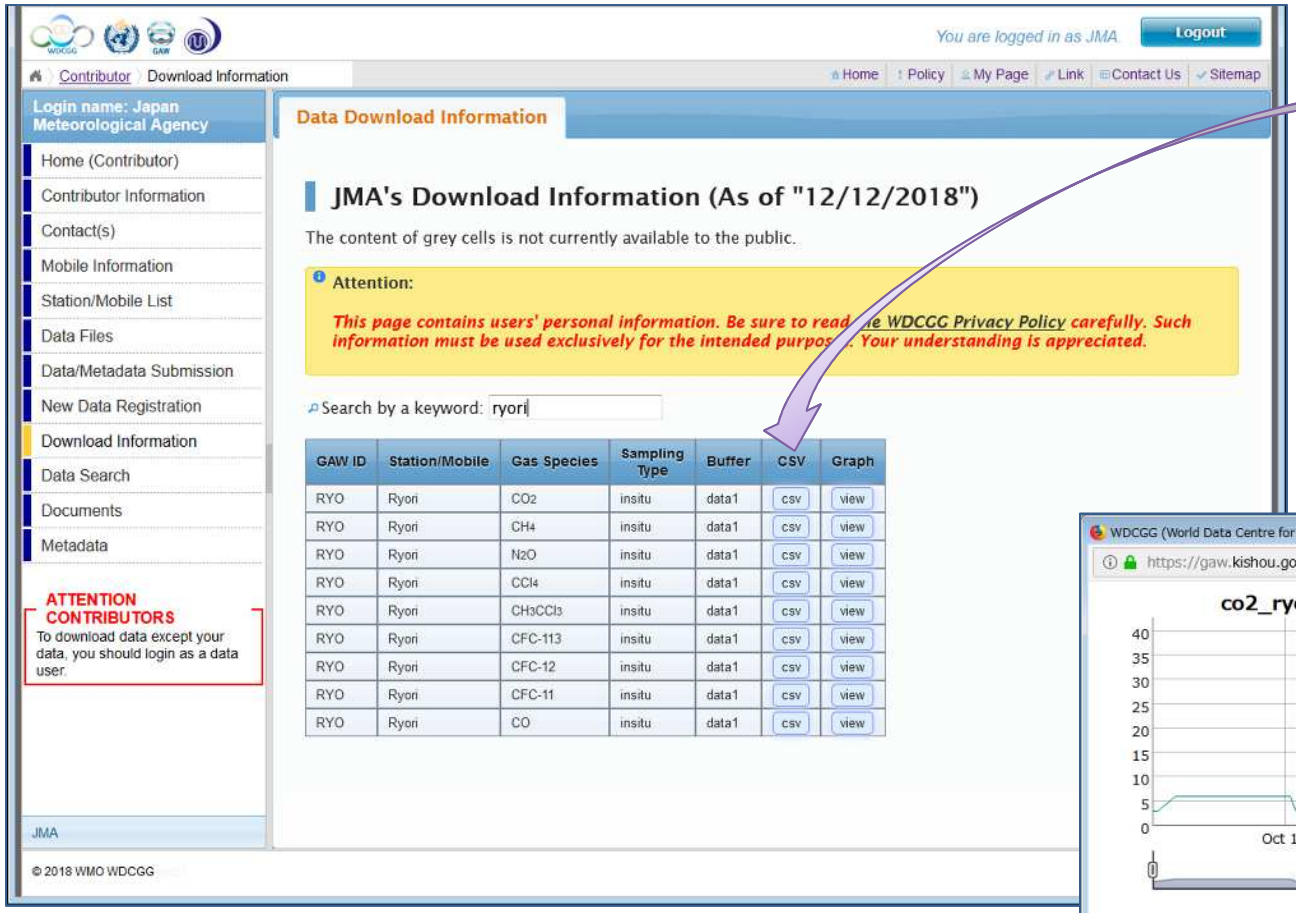
Russia: 10

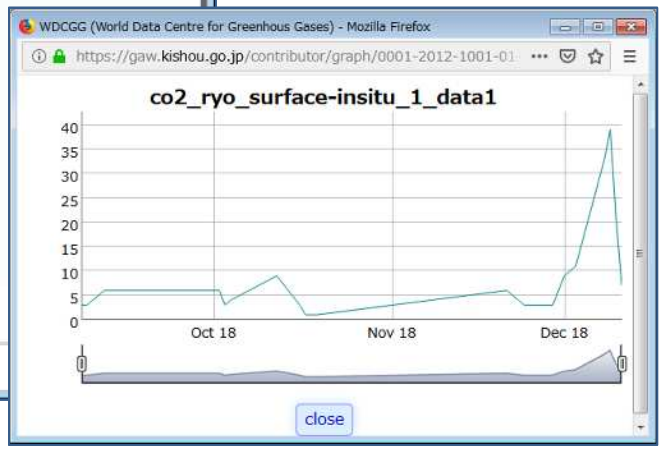
(as of 10 December 2018)

# feedback: download information to the contributor

user registration

user name
email address



# data file format

Old

```
C01 TITLE: CO2 hourly mean data
C02 FILE NAME: ryo239n00.jma.as.cn.co2.nl.hr2013.dat
C03 DATA FORMAT: Version 1.0
C04 TOTAL LINES: 5120
C05 HEADER LINES: 32
C06 DATA VERSION: 201307
C07 STATION NAME: Ryori
C08 STATION CATEGORY: Regional
C09 OBSERVATION CATEGORY: Air sampling observation at a stationary platform
C10 COUNTRY/TERRITORY: Japan
C11 CONTRIBUTOR: JMA
C12 LATITUDE: 39.03
C13 LONGITUDE: 141.82
C14 ALTITUDE: 260
C15 NUMBER OF SAMPLING HEIGHTS: 1
C16 SAMPLING HEIGHTS: 20
C17 CONTACT POINT: y-fukuyama@met.kishou.go.jp
C18 PARAMETER: CO2
C19 COVERING PERIOD: 2013-01-01 2013-07-31
C20 TIME INTERVAL: hourly
C21 MEASUREMENT UNIT: ppm
C22 MEASUREMENT METHOD: NDIR
C23 SAMPLING TYPE: continuous
C24 TIME ZONE: Local time UTC+9
C25 MEASUREMENT SCALE: WMO X2007 scale
(An omission)
C30 COMMENT:
C31
C32  DATE  TIME      DATE  TIME       CO2    ND     SD     F CS      REM
2013-01-01 01:00 9999-99-99 99:99    401.78   105   0.119    -7  0 -99999999
2013-01-01 02:00 9999-99-99 99:99    401.20   101   0.195    -7  0 -99999999
```

*Header part*
**Fixed (32 lines)**

*Data part*
**Different formats by platform**

New

```
# ------------------------------------------------------------>>>>
# Data Set Name : co2_mnm_surface-insitu_19_9999_HourlyData
# Data_Set_Version : 2014-04-18
#
# GLOBAL ATTRIBUTES
#
# site_code : MNM
# site_gaw_id : MNM

# header_lines : 180
#
# VARIABLE ATTRIBUTES
#
# site_code:long_name : site_name_abbreviation.
# site_code:comment : Site code is an abbreviation for the sampling site name.
#
#
#
#
(An omission)
#
#
# VARIABLE ORDER
#
# site_code year month day hour minute second year month day hour minute second
value value_unc nvalue latitude longitude altitude elevation intake_height instrument
Qcflag measurement_method scale flask_no
MNM 1992 12 31 15 0 -9 -9 -9 -9 -9 -9 -9 -999.999 -999.999 0 24.28520012 153.9812927
28 8 20 8 0 9 3 -9
MNM 1992 12 31 16 0 -9 -9 -9 -9 -9 -9 -9 -999.999 -999.999 0 24.28520012 153.9812927
28 8 20 8 0 9 3 -9
```

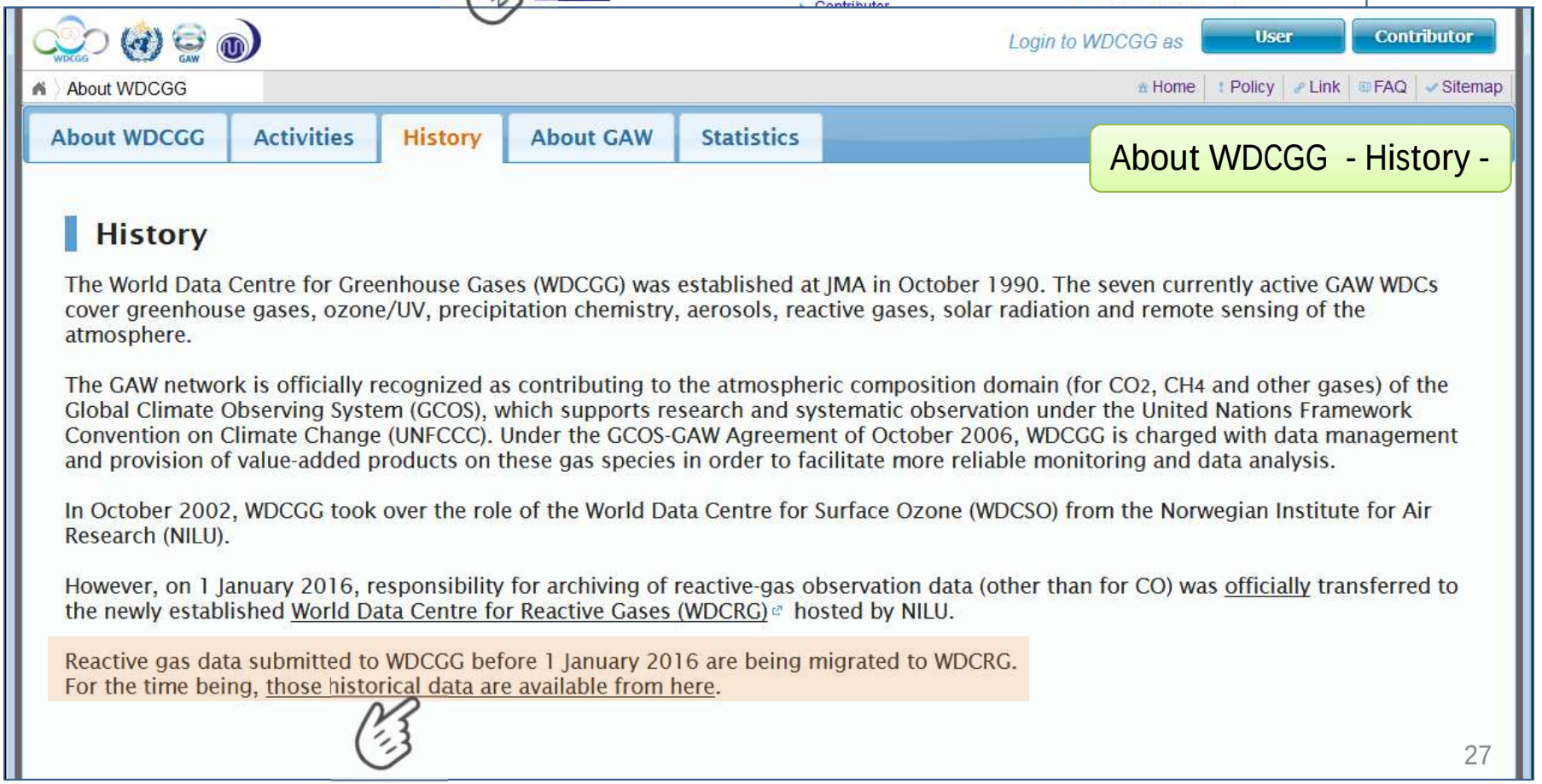
*Header part*
**Flexible**

*Data part*
**Same format**

# 3. Historical reactive gas data

ET-WDC telecon, 12 December 2018.

# Historical Reactive Gas Data

# Historical Reactive Gas Data

# Historical Reactive Gas Data - example (VOCs) -

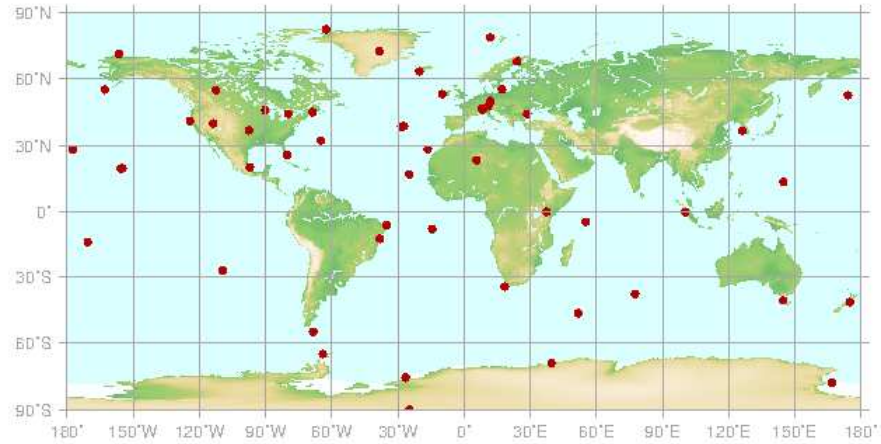
WMO Global Atmosphere Watch

World Data Centre for Greenhouse Gases

Data Policy

Data

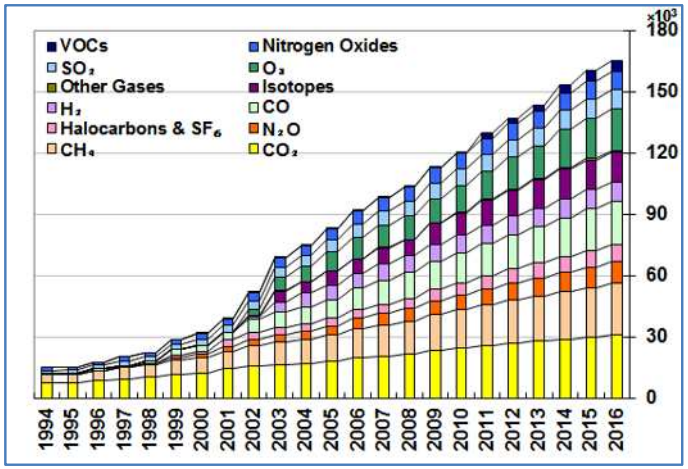
- VOCs -



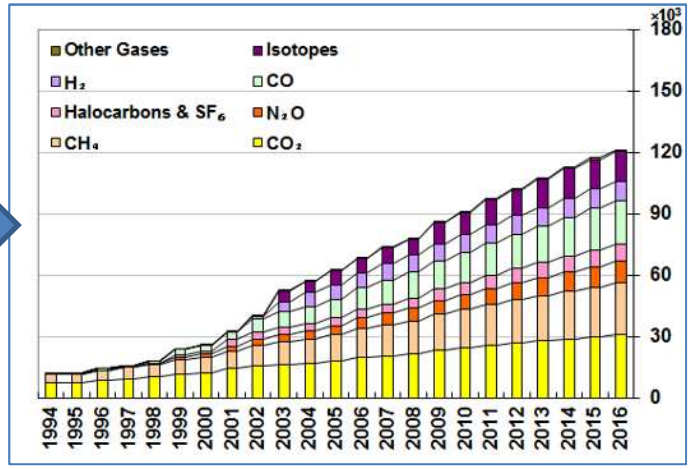

*Clickable Map of VOCs Stations*

| Station | Country/ Territory | Location | Contributor |
|---|---|---|---|
| | | ***Region I (Africa)*** | |
| Amsterdam Island | France | 37.80°S 77.53°E 55m | LSCE |
| Ascension Island | United Kingdom of Great Britain and Northern Ireland | 7.92°S 14.42°W 54m | NOAA/ESRL |
| Assekrem | Algeria | 23.27°N 5.63°E 2710m | NOAA/ESRL |

# Data amount at WDCGG




Data amount (fixed stations) (old)




Data amount (fixed stations) (new)