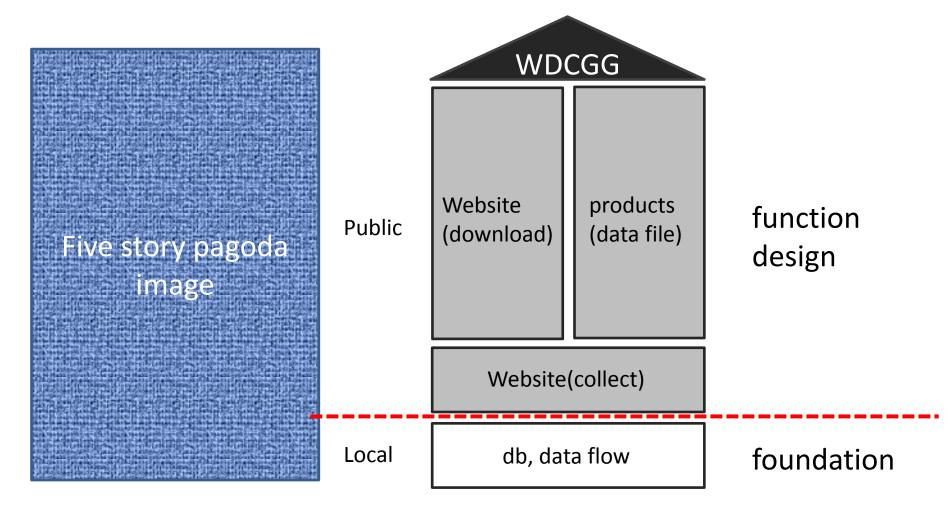
Whole New WDCGG

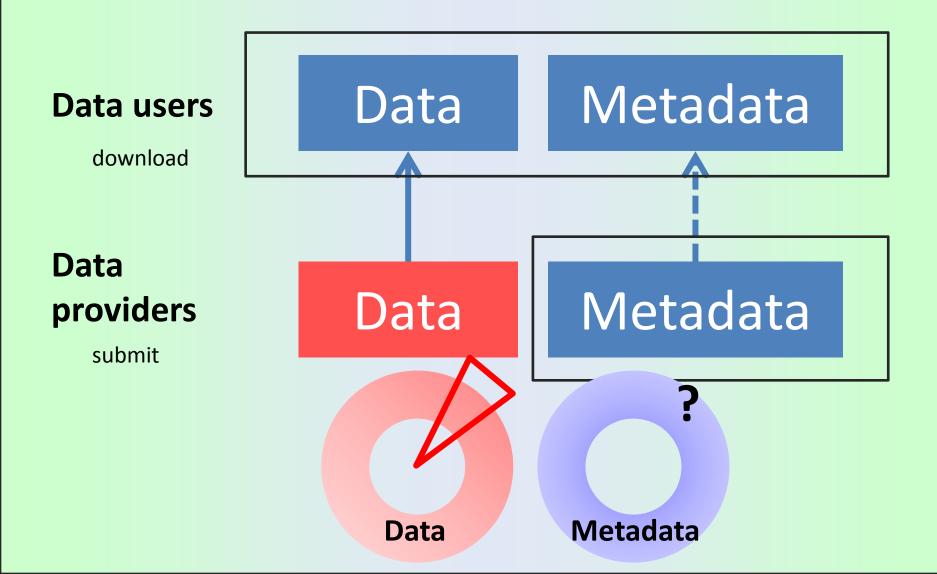
Part 2

Redesign WDCGG website & products

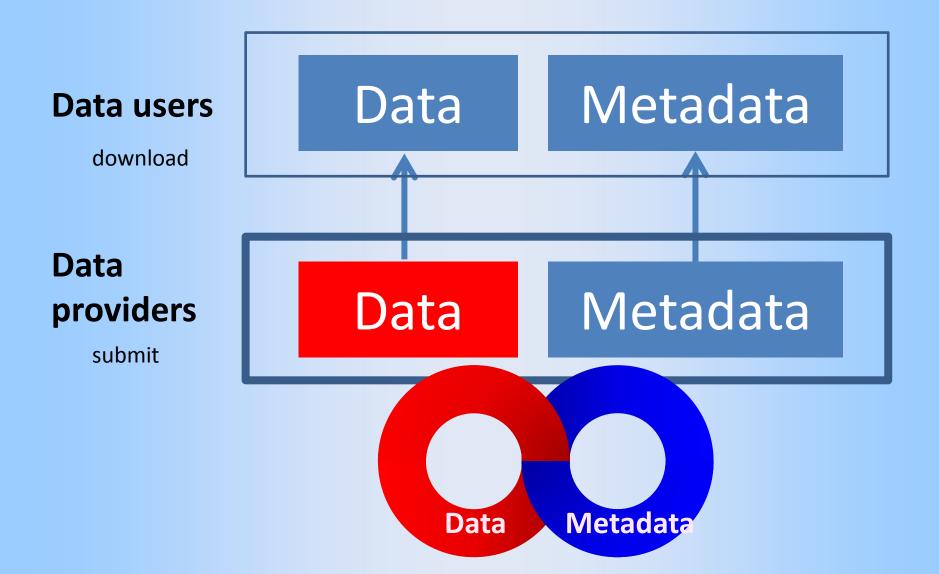
Mayu Yamamoto
A staff member of WDCGG, JMA
wdcgg@met.kishou.go.jp

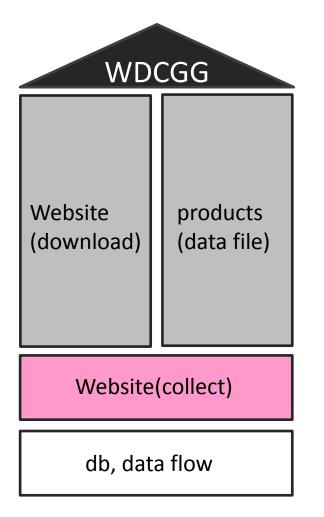


Current Website



Future Website

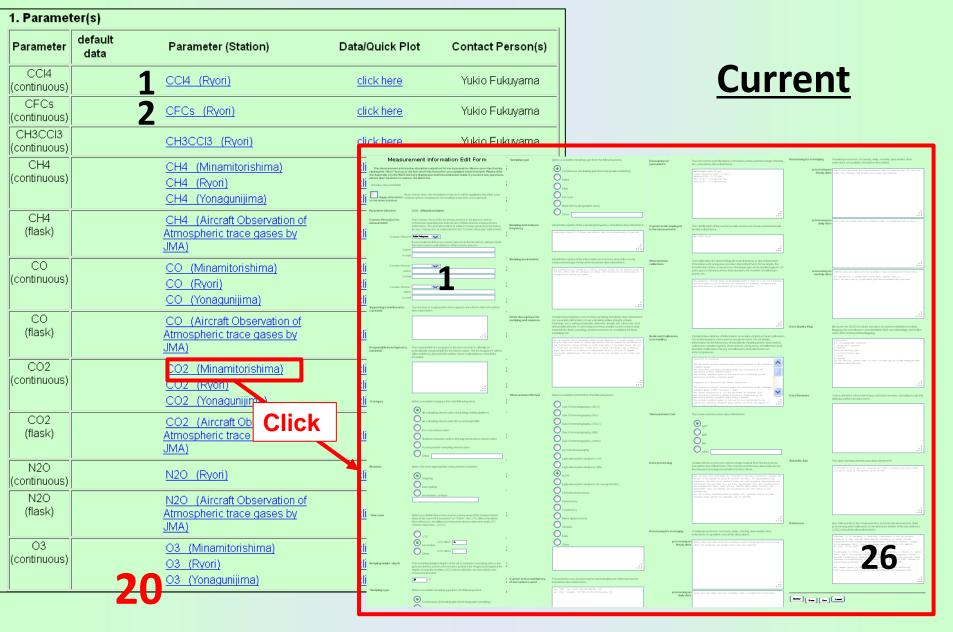


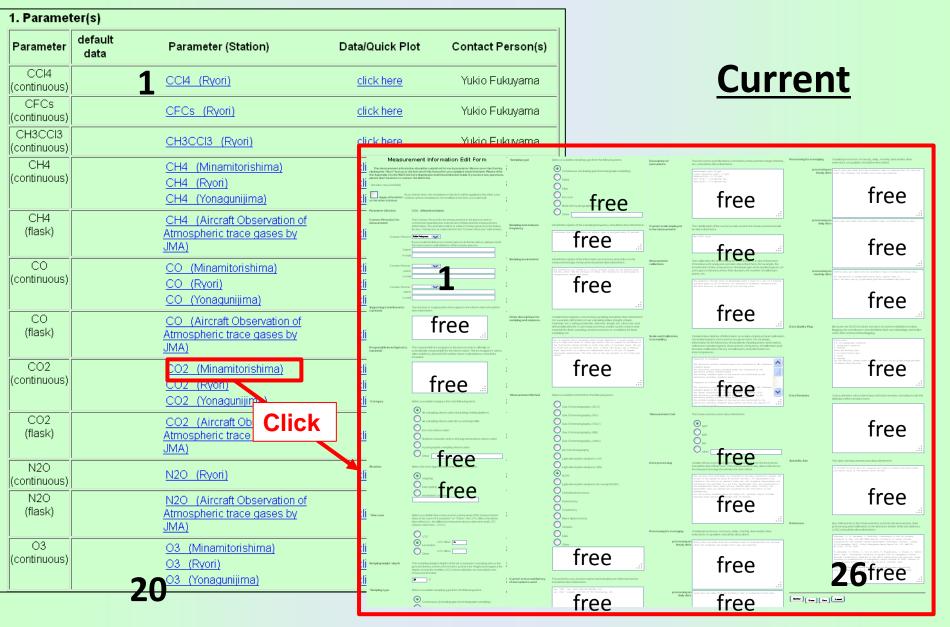


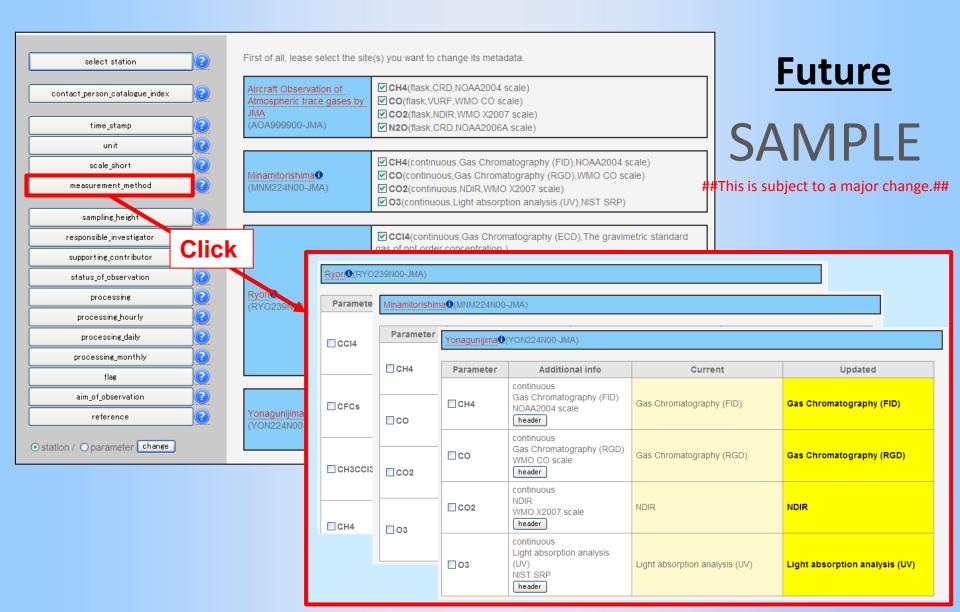
1. Website for data providers (collect metadata and data)

2. Products (data file)

3. Website (download data)







time_stamp

Future

SAMPLE

##This is subject to a major change.##

UTC + 0 ▼

CO₂

Select a suitable time zone used in a timestamp of the measurement data.

in the case or "Lo al time", the UTC offset should be selected.

Station	Additional info	Current	Updated
Aircraft Observation of Atmospheric trace gases by JMA (Mobile, Aircraft)	flask NDIR WMO X2007 scale header	Local time +9	итс о
Minamitorishima (Stationary, Ground base)	continuous NDIR WMO X2007 scale header	Local time +9	итс о
Ryori (Stationary, Ground base)	continuous NDIR WMO X2007 scale header	Local time +9	Local time +9
Tonagunijima (Stationary, Ground base)	continuous NDIR WMO X2007 scale header	Local time +9	Local time +9

WDCGG Website products (download) (data file) Website(collect) db, data flow

1. Website for data providers (collect metadata and data)

2. Products (data file)

3. Website (download data)

Products

Current

Future

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 CO9 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 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

```
SAMPLE
# STATION INFORMATION
# STATION NAME: Ryori
# WDCGG ID: RYO239N00-JMA
                              ##This is subject to a major change.##
# (WMO) STATION CATEGORY: Stationary
# COUNTRY/TERRITORY: Japan
# LATITUDE: 39.03
# LONGITUDE: 141.82
# ALTITUDE: 260
# PLATFORM: Ground base
# CONTACT PERSONS
# CONTACT NAME 1: Yukio Fukuyama
# CONTACT POINT(EMAIL) 1: y-fukuyama@met.kishou.go.jp
# PARAMETER INFORMATION
# PARAMETER: CO2
# OBSERVATION CATEGORY: Air sampling observation
# SAMPLING TYPE: continuous
# MEASUREMENT METHOD: NDIR
# MEASUREMENT UNIT: ppm
#TIME ZONE: Local time UTC+9
# MEASUREMENT SCALE: WMO X2007 scale
# DATA
## year month day hour minute second value value sd nvalue latitude longitude
```

2013-01-01 02:00 9999-99-99 99:99 401.20 101 0.195 -7 0 -99999999

altitude intake height flask no cs obs flag

Products

Current

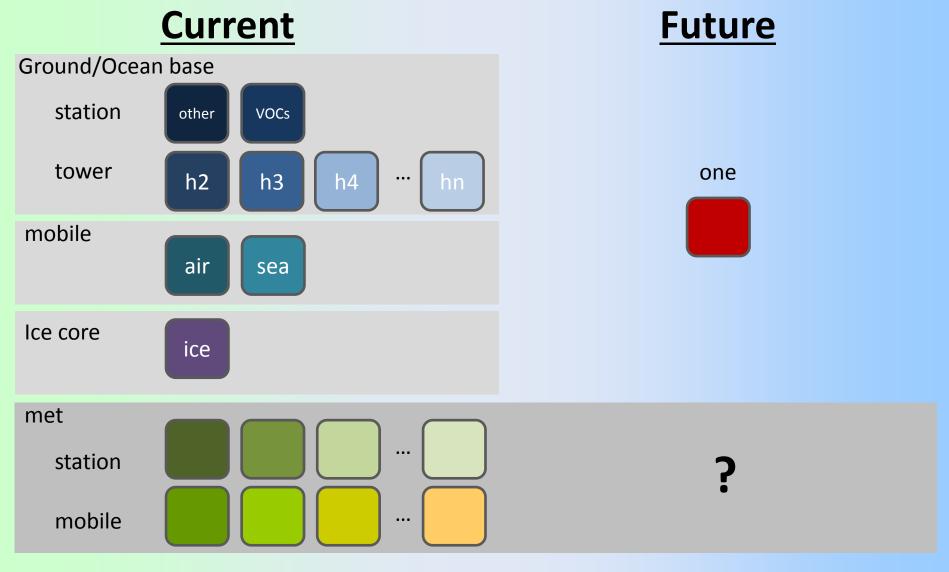
Future

```
CO1 TITLE:
CO2 FILE NAME:
CO3 DATA FORMAT:
CO4 TOTAL LINES:
CO5 HEADER LINES: 32
CO6 DATA VERSION:
C21 MEASUREMENT UNIT:
C22 MEASUREMENT METHOD:
C23 SAMPLING TYPE:
C24 TIME ZONE:
C25 MEASUREMENT SCALE:
C31
C32 DATE TIME DATE TIME CO2 ND SD F CS REM
```

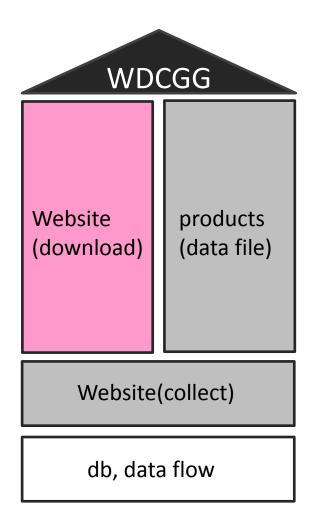
```
# STATION INFORMATION SAMPLE
                    ##This is subject to a major change.#
# MEASUREMENT INFORMATION
# CONTACT PERSONINFORMATION
# DATA
## year month day hour minute second value
value sd nvalue latitude longitude altitude
intake_height flask_no cs obs_flag
```

```
#
# new metadata
#
```

Products



Text / NetCDF



1. Website for data providers (collect metadata and data)

2. Products (data file)

3. Website (download data)

User Registration

Current

N/A

NO MISCHIEVOUS USER REGISTRATION

Future

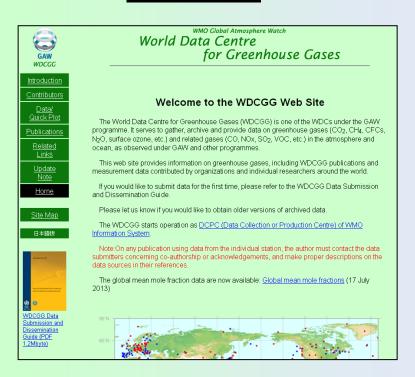
WDCGG Registration Form	
Name	
Organization Organization	
Country select Country	
E-mail address E-mail	
Purpose of the use of the data Verification of Data Such as Computer Similation and Satellite Measurement Data Anal, is	
Description aterials Purpose Other	
Submit	

SAMPLE

##This is subject to a major change.##

Front page

Current



Future



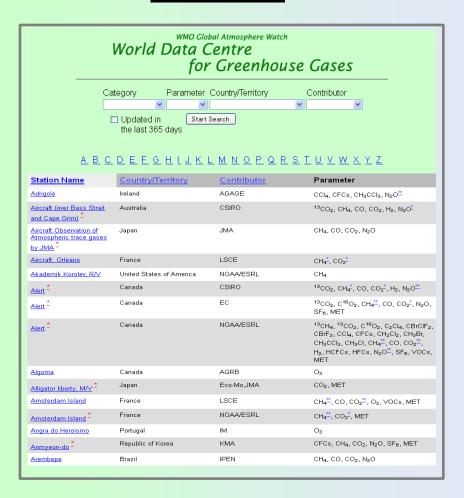
SAMPLE

##This is subject to a major change.##

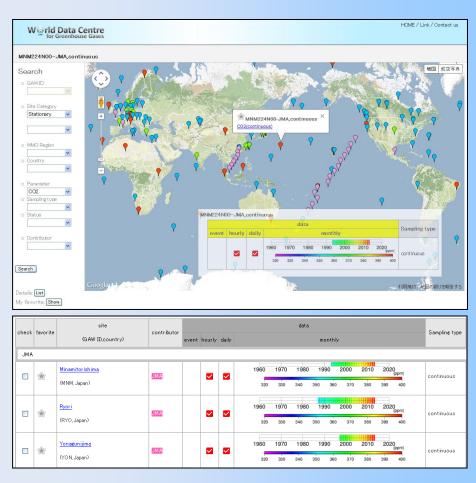
Thanks,
GAWSIS!

Data Search

Current



Future

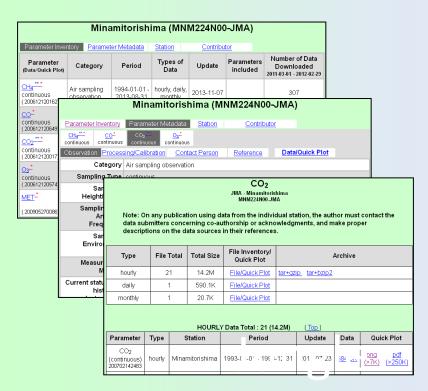


SAMPLE

##This is subject to a major change.##

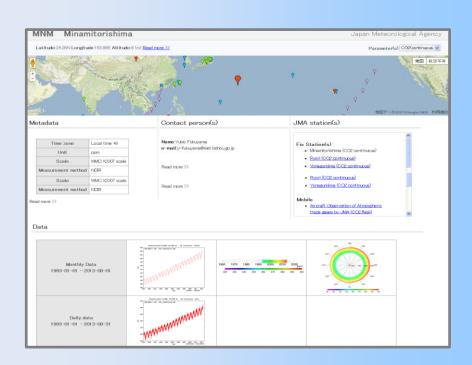
Data & Metadata

Current



Don't lost!

Future



SAMPLE

##This is subject to a major change.##

WDCGG Website products (download) (data file) Website(collect)

db, data flow

New data submission via WEB

Reliable data and metadata

User Registration

Future plan 1



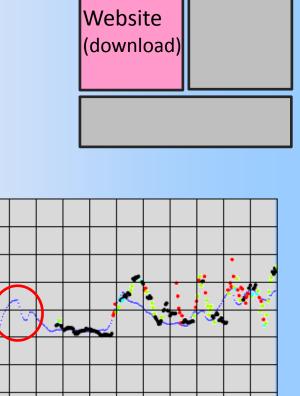


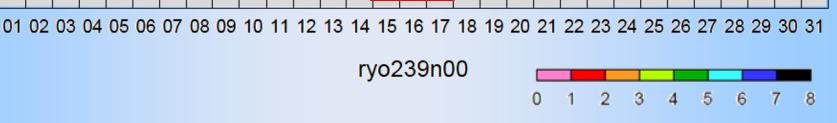
Dr. Kenneth (Ken) Masarie will visit WDCGG in February.

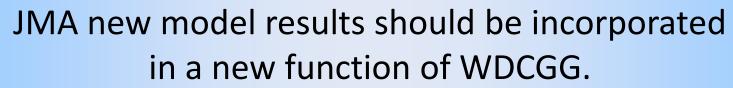
Future plan 2

measurement

CO2 (ppm)







Comparison

model