





World Data Centre for Greenhouse Gases (WDCGG)

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WDCGG's Action Targets with its Recent Achievements

- Interaction with the contributors
- Meeting the needs of data users
- ► Follow-up to scientific advice
- Harmonization with WDCs-GAWSIS
- In-house infrastructure and capacity

Interaction with the Contributors

at GAW stations and others

- ► Receipt of data and metadata
 - new web interface (revised in July 2007)
 - leaflet (produced in July 2008)



- "Data Submission and Dissemination Guide"
 - published as GAW Report No. 174 (June 2007)
 - relevance to GAW data management policy





Example of Metrics for WDCGG's Activity

The WDCGG archives <u>1170 data sets</u> for different contributors, station, species and methods (as of 30 September 2008).

- ▶879 (75%): data or metadata updated or added within one year
- ► 653 (56%): <u>data</u> updated or added within one year
- ▶ 541 (46%): metadata updated or added within one year

▶ 357 (30%): containing observations within one year

▶ 553 (47%): same as above but within two years

- ► 734 (63%): Scale and calibration are explained
- ▶ 757 (65%): Data flags are indicated

from WDCGG website

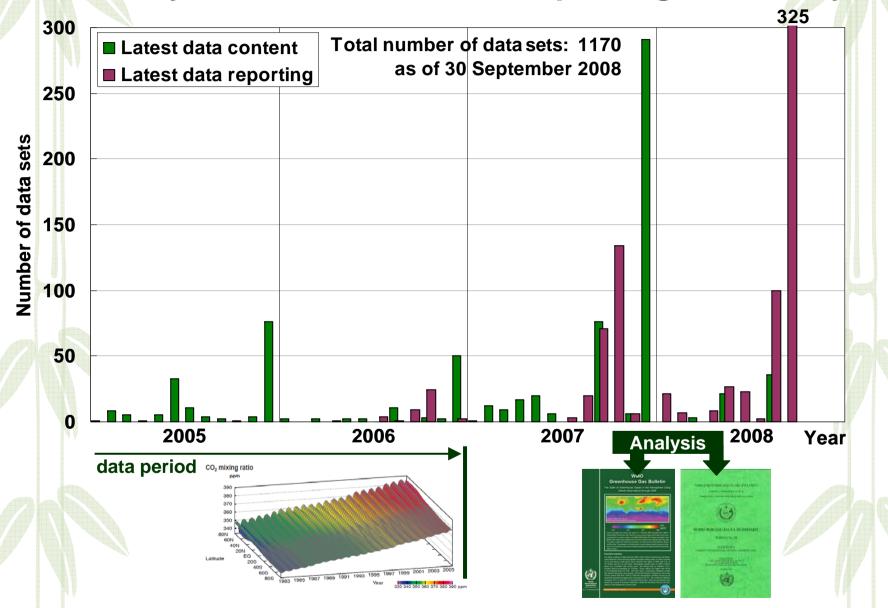
indicated with dots

in red

► All data files have reference to the contact person's e-mail address.

'within one year': on 1 October 2007 or later

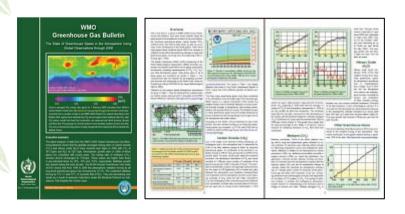
Annual Cycle of Observation, Reporting and Analysis

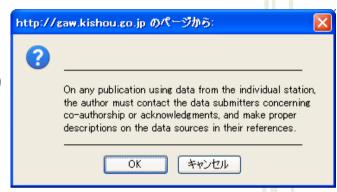


Meeting the Needs of Data Users

from policy makers, scientists and others

- ► Improving the web site
 - search function (traceability, etc.)
 - alert message on data policy
- ► Updating the products
 - Data Summary and CD-ROM
 - WMO Greenhouse Gas Bulletin



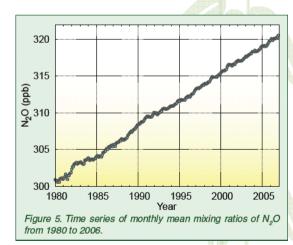




Follow-up to Scientific Advice

from SAG-GHG in September 2007 at Helsinki

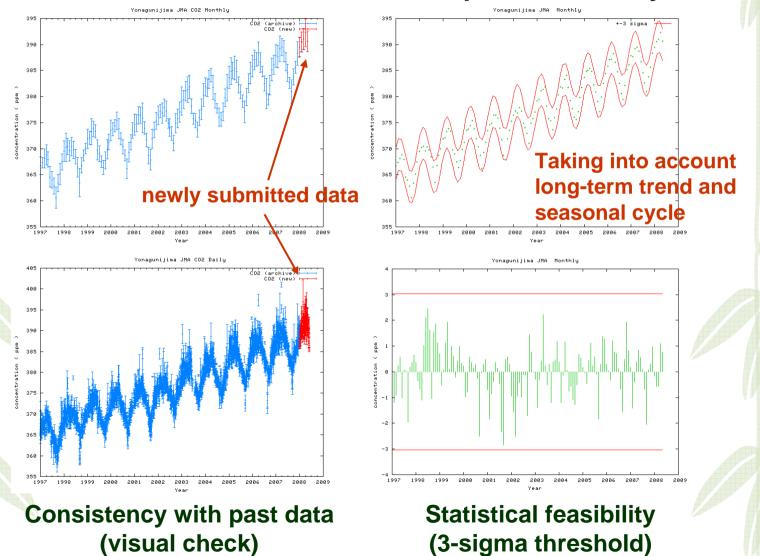
- Documenting traceability to WMO standard scales
 - Calibration records against the WMO standard
 - Scaling factors for different standards
- Basic quality check (screening) of submitted data
- Contributors' consent & recognition for products
- ► Improving analysis for global N₂O
- ► Near-real-time GHG data delivery
 - One week to one month timescales for diagnostics purposes



WMO Greenhouse Gas Bulletin No. 3, 2007

Example of On-Receipt Quality Check

Check with the contributor for questions, if any



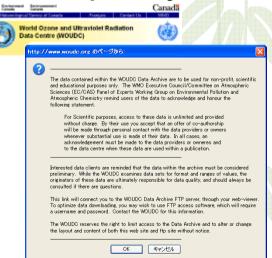
Harmonization with WDCs-GAWSIS

after ET-WDC in March 2007 at Dübendorf

- ► Cooperation with GAWSIS
 - Reservation of GAWIDs for mobile stations
 - Coordinated links between WDCGG and GAWSIS
 - Regular provision of metadata for GAWSIS

► Harmonizing the alert window on data policy



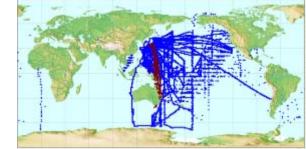


In-house Infrastructure and Capacity

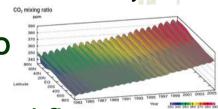
at the Japan Meteorological Agency (JMA)

- Data from mobile platforms (104 / 1170 data sets)
 - Ships





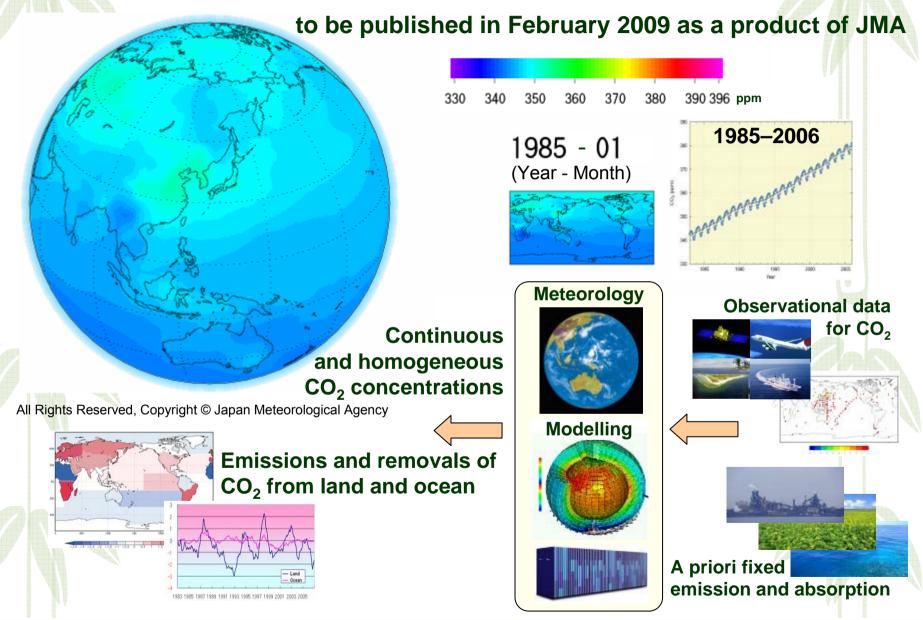
- Aircraft (e.g. JAL between Japan and Australia)
- Retrieval data from satellite sensors (no data reported so far)
 - GOSAT (to be launched in early 2009)
- ► Global analysis and 3D grid products
 - WDCGG's global analysis for CO₂, CH₄ and CO (technical paper to be published as a GAW report)



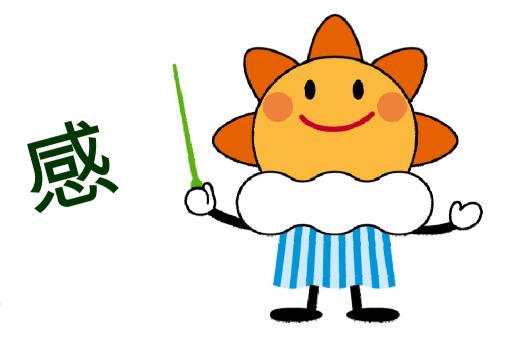
Courtesy of JAXA

 JMA's global analysis of CO₂ distribution and fluxes (to be made available as a product of JMA in February 2009)

JMA's Analysis on Global CO₂ Distributions and Fluxes



Thank you.





Большое Спосибо.