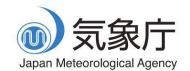
QA/SAC Switzerland and QA/SAC Japan

contributions to the quality of GAW's GHG observations

Empa Materials Science and Technology



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Introduction

- GAW data need to be consistent, traceable to common references, of known and adequate quality, and require appropriate documentation.
- GAW's quality management framework supports quality control, dissemination, scientific guidance, training and technical developments of the global network.

like

- Quality Assurance / Science Activity Centres (QA/SACs) support the programme through quality assurance activities, training and technical support, and the scientific exploitation of GAW data.
- QA/SAC Switzerland, hosted by Empa, and QA/SAC Japan, hosted by the Japan Meteorological Agency (JMA) are both specifically targeting the observations of greenhouse gases.

QA/SAC Switzerland

QA/SAC Switzerland (QA/SAC-CH) was capacity building, training, twinning, established in 2000. It is closely linked and GAW station support in setup, to one of the World Calibration Centres operation. maintenance and troubleshooting of long-term observations.



contribution to GAW outreach such as measurement guidelines as well as other related publications.



cooperation and networking with other programmes and projects to ensure consistency and to advance the system.

QA/SAC Japan

QA/SAC Japan was established in 1995. It is responsible for Asia and the South-West Pacific and cooperates with WCC Japan and the World Data Centre for Greenhouse Gases (WDCGG) at JMA.

(WCC) also hosted by Empa.

QA/SAC-CH's main tasks are

activities,

evaluation of new measurement

techniques, promotion of technical

progress, and scientific data analysis.

research

JMA's GAW activities are advised by a terms experts in group of observation techniques, quality management, data analysis, dissemination of research products.

QA/SAC Japan's main tasks are

research activities to maintain and improve data quality and to promote data analysis.



- contribution to GAW outreach like analysis of round-robin experiments and evaluation of the traceability of measurements in the region.
- cooperation and networking with activities of GAW and other programmes: Recently, QA/SAC Japan provided technical advice to the laboratories in Indonesia and Malaysia with regard to data submission to WDCGG.

Conclusions & Way Forward

- QA/SAC's Terms of Reference cover a wide range of different activities.
- Thus, QA/SACs usually focus on specific variables and/or geographical areas.
- Collaboration and communication among the QA/SACs is about to be fostered to exploit synergies and to optimize the benefit for the GAW programme.
- QA/SAC-CH and QA/SAC Japan will strengthen their common activities in Southeast Asia where both centres support the GAW programme.

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