IAGOS-CARIBIC Data Protocol
for external data users

IAGOS-CARIBIC is part of the European Research Infrastructure IAGOS. A sophisticated laboratory currently equipped with 19 instruments is installed in the cargo bay of a Lufthansa A340-600 for 40-50 long-haul flights per year from Germany to many destinations worldwide. From the first data gathered in 1997, it now measures ~100 trace gases and aerosol parameters mostly in the upper troposphere and lowermost stratosphere. IAGOS-CARIBIC was operated and coordinated by the Max-Planck-Institute for Chemistry (MPI-C) until 2014 and is so now by the Karlsruhe Institute for Technology (KIT) since 2015. Scientific coordinator is Andreas Zahn, andreas.zahn@kit.edu.

Part of the IAGOS-CARIBIC data (http://www.iagos.org/iagos-data/) is accessible via the IAGOS data portal (http://www.iagos-data.fr). The complete IAGOS-CARIBIC dataset is provided after accepting/signing this data protocol.

An **external data user** is anybody not part of the IAGOS-CARIBIC consortium (http://www.caribic-atmospheric.com/Consortium.php) that uses IAGOS-CARIBIC data in any form.

AIM OF THIS PROTOCOL

The aim of this data protocol is to ensure

(1) free and non-discriminatory access to the full IAGOS-CARIBIC dataset for scientific (i.e. non-commercial) use in agreement with the IAGOS data policy and Resolution 40 of the World Meteorological Organisation (WMO)
(2) fulfilment of the requirements for data users as described under “requirements for external data users” below.

REQUIREMENTS FOR EXTERNAL DATA USERS

Data users are required to agree with this data protocol; this comprises:

(1) identify themselves and provide contact information (see page 3)
(2) provide a short description of the intended research
(3) offer co-authorship to the IAGOS-CARIBIC Principal Investigator(s) (see Table 1) responsible for the part(s) of the IAGOS-CARIBIC dataset intended to be used
(4) include the following acknowledgements in publications: “IAGOS-CARIBIC data were created with support from the European Commission, national agencies in Germany (BMBF), France (MESR), and the UK (NERC), and the IAGOS member institutions (http://www.iagos.org/partners).”
(5) Before public statements on IAGOS-CARIBIC are made (press releases, interviews etc.), the project coordinator must be consulted

Table 1: List of current IAGOS-CARIBIC partners/instrument PIs.

Measured species / instrument	**Institution**	**Principal investigator**
O_3, H_2O, cloud ice/water, H_2O isotopologues, CH_4, CO_2, VOCs, Hg	KIT (IMK), Karlsruhe, Germany	A. Zahn
CO, NMHCs, GHGs	MPI-C, Mainz, Germany	J. Williams
Aerosol composition	MPI-C, Mainz, Germany	J. Schneider
Soot, bio-aerosol	MPI-C, Mainz, Germany	Y. Cheng, H. Su
aerosol concentration, size distribution	TROPOS, Leipzig, Germany	M. Hermann
NO, NO_2, NOy	DLR, Oberpfaffenhofen, Germany	H. Ziereis
meteorological analysis	KNMI, de Bilt, the Netherlands	P. van Velthoven
aerosol samples: aerosol composition	University of Lund, Sweden	B. Martinsson
DOAS	University Heidelberg, Germany	U. Frieß
halocarbons	University of East Anglia, UK	D. Oram
IAGOS-core, package 2	FZJ (IEK-8), Jülich, Germany	A. Petzold
CO_2, CH_4	MPI-BGC, Jena, Germany	C. Gerbig
NO_2, NO_3, N_2O_5, O_3	University Cork, Ireland	A. Ruth

FURTHER NOTES

A comprehensive list of the IAGOS-CARIBIC consortium can be found under http://www.caribic-atmospheric.com/Consortium.php.

All URLs in this document were accessible when the document was created.

The signee agrees to the conditions of this data protocol.

Signature: _____

Date: _____

Name: _____

Position: _____

Institutional Address: _____

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E-mail: _____

Please return (pdf or hardcopy) to:

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