

# Acronyms

ADAGUC	Atmospheric Data Access for the Geospatial User Community
AIL	Aircraft Induced Lightning
AIRS	Atmospheric Infrared Sounder (instrument on board EOS-Aqua)
AIS	Antarctic Ice Sheet
AMFIC	Air Quality Monitoring and Forecasting in China
AMSR	Advanced Microwave Scanning Radiometer
AOGCM	Atmosphere-Ocean General Circulation Model
AOT	Aerosol Optical Thickness
API	Application Programming Interface
ASAR	Advanced SAR on Envisat
ASCAT	European Advanced Scatterometer on MetOp
AVHRR	Advanced Very High Resolution Radiometer
BBC	British Broadcasting Company
BJEPB	Beijing Environmental Protection Bureau
BSRN	Baseline Surface Radiation Network
BSS	Brier Skill Score
CAPE	Convective Available Potential Energy
CERC	Cambridge Environmental Research Consultants
CESAR	Cabauw Experimental Site for Atmospheric Research
CESAR CDS	Cabauw Experimental Site for Atmospheric Research, CESAR Data System
CF	Climate and Forecasting convention
CH <sub>4</sub>	Methane
CMIP <sub>3</sub>	Climate Model Intercomparison 3
CO	Carbon monoxide
CTBT	Comprehensive Nuclear-Test-Ban Treaty
CTM	Chemistry-Transport Model
CY31/33	Cycle 31/33
DCI	Distributed Computing Infrastructure
DDF	Depth-Duration-Frequency
DEGREE	Dissemination and Exploitation of Grids in Earth
DJF	December-January-February
DNW	German-Dutch Wind Tunnels
DWD	German Weather Service
EC	Eddy Correlation
EC	European Commission
ECA&D	European Climate Assessment & Dataset

ECMWF	European Centre for Medium-Range Weather Forecasts
ECSN	European Climate Support Network
ECV	Essential Climate Variable
EEA	European Environment Agency
EL	Equilibrium Level
ENSO	El Niño - Southern Oscillation
ENVISAT	ESA Environmental Satellite, launched 2002
E-OBS	ENSEMBLES daily gridded dataset for Europe
EOS Aqua	NASA Earth Observing Systems Aqua Mission to study water vapour and clouds
EOS Aura	NASA Earth Observing Systems Aura Mission to study atmospheric chemistry
ERS-2	Second European Remote Sensing satellite
ES	Earth Science
ESA	European Space Agency
ES-G	Earth Science Gateway
ESM	Earth System Model
ESRI	GIS software company
EU	European Union
EU-FP	European Union - Framework Project
EUMETSAT	EUropean organisation for the exploitation of METeorological SATellites
EURAD	Regional air quality model contributed by Germany
EURO4M	European Reanalysis and Observations for Monitoring
EXL	Exloo Infrasond Array
FIR	Flight Information Region
FLITS	Flash Localization by Interferometry and Time of Arrival System
FTP PRO	KNMI FTP site
GCM	Global Climate Model
GDAL	Geospatial Data Abstraction Library
GEMS	Global and Regional Earth-System Monitoring Using Satellite and In situ Data
GEMS	Global Earthquake Monitoring System
GEOSS	Global Earth Observation System of Systems
GeoTIFF	Geospatial Tagged Image File Format, geospatial file format
GEV	Generalized Extreme Value
GIS	Greenland Ice Sheet
GIS	Geospatial Information System
GMES	Global Monitoring for Environment and Security
GMF	Geophysical Model Function
GO-ESSP	Global Organization for Earth System Science Portals
GOME-1	Global Ozone Monitoring Experiment-1
GOME-2	Global Ozone Monitoring Experiment-2
GTS	Global Telecommunications System
GWP	Global Warming Potential
H <sub>2</sub>	Molecular Hydrogen
HCHO	Formaldehyde
HDIA	High Density Infrasond Array
HIRLAM	High Resolution Local Area Model
hPa	hecto Pascal
HPC	High Performance Computing
HQL	Hibernate Query Language
HRVIS	High Resolution VISible channel
HTTP	HyperText Transfer Protocol
HYMN	Hydrogen, Methane, and Nitrous Oxide.
IASI	Infrared Atmospheric Sounding Interferometer
IFS	Integrated Forecast System
INSPIRE	Infrastructure for Spatial Information in the European Community

IPCC	Intergovernmental Panel on Climate Change
IS	Infrasonic phase from the Stratosphere
ISO	International Organization for Standardization
IT	Infrasonic phase from the Thermosphere
ITCZ	Inter-Tropical Convergence Zone
JJA	June-July-August
JSR-168	Java Specification Request
KLM	Royal Dutch Airlines
KNMI	Royal Netherlands Meteorological Institute
KODAC	KNMI Operational Data Center
LAIA	Large Aperture Infrasound Array
LAMA	Large Aperture Microbarograph Array
LES	Large Eddy Simulation
LFC	Level of Free Convection
LIM2	Liouvain-La-Neuve Ice Model 2
LNB	Level of Neutral Buoyancy
LOFAR	LOW Frequency ARray
LPM	Laser Precipitation Monitor
LST	Low Speed Tunnel
LVNL	Air Traffic Control, Netherlands
LVP	Low Visibility Procedure
MACC	Monitoring Atmospheric Composition and Climate
METAR	Meteorological Aerodrome Report
MetOp	METeorological OPerational satellite
MFB	Mean-Field Bias
MFBS	Mean-Field Bias and Spatial
MLE	Maximum Likelihood Estimator
MLS	Microwave Limb Sounder
MODIS	MODerate resolution Imaging Spectro-radiometer
MOPITT	Measurements Of Pollution In The Troposphere
MOR	Meteorological Optical Range
MOS	Model Output Statistics
MSLP	Mean Sea Level Pressure
MTG	Meteosat Third Generation
N <sub>2</sub> O	Nitrous Oxide
NAO	North-Atlantic Oscillation
NASA	National Aeronautics and Space Administration
NEMO3	Nucleus for European Modelling of the Ocean 3
NERIES	Network of Research Infrastructures for European Seismology
NESC	National E-Science Centre
netCDF	Network Common Data Form
NGR	Nationaal Geo Portaal
NH	Northern Hemisphere
NIR	Near InfraRed
NLR	Dutch National Aerospace Laboratory
NMDC	Nationaal Modellen en Data Centrum
NMHS	National Meteorological and Hydrological Service
NO <sub>2</sub>	Nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NO <sub>x</sub>	Nitric oxide gas (NO) and nitrogen dioxide gas (NO <sub>2</sub> )
NWA	Northwest Airlines
NWP	Numerical Weather Prediction
NWS	National Weather Service
O&M Model	Observations and Measurements model

OGC	Open Geospatial Consortium
OGF	Open Grid Forum
OMI	Ozone Monitoring Instrument
OPERA	Operational Programme for the Exchange of weather Radar information
PDO	Pacific Decadal Oscillation
PI	Performance Index
PM	Particulate Matter
ppbv	parts per billion by volume
PPI	Plan Position Indicator
PROMOTE	Protocol Monitoring for the GMES service element
QPE	Quantitative Precipitation Estimation
RACMO	Regional Atmospheric Climate MOdel
RADAR	RAdio Detection And Ranging
RCC	Regional Climate Centre
RCM	Regional Climate Model
RDF	Resource Description Framework
RIVM	Rijks Instituut voor Volksgezondheid en Milieu
RVR	Runway Visual Range
SAFIR	Surveillance et d'Alerte Foudre par Interférométrie Radioélectrique
SAR	Synthetic Aperture Radar
SATREP	Satellite Report
SBUV	Solar Backscatter Ultraviolet Experiment
SciaGrid	Sciamachy Data Centre Grid (GO project)
SCIAMACHY	Scanning Imaging Absorption Spectrometer for Atmospheric Cartography
SEB	Surface Energy Budget
SEED	Standard for the Exchange of Earthquake Data
SKV	Schiphol Probability Forecast (in Dutch: Schipholkansverwachting)
SLA	Service Level Agreements
SNR	Signal-to-Noise Ratio
SPARQL	SPARQL Protocol and RDF Query
SPC	Storm Prediction Centre
SRES	Special Report on Emissions Scenarios
SRON	Netherlands Institute for Space Research
SSM/I	Special Sensor Microwave Imager
SST	Sea Surface Temperature
STOWA	Foundation for applied water research
T2m	2 meter Temperature
TAF	Terminal Aerodrome Forecast
TAFG	TAF Guidance
TeNSor	Test of Precipitation Type sensors
TM5	Transport Model version 5
TMA	Terminal Control Area
TNO	Netherlands Organisation for Applied Scientific Research
TOS	Turbulent Organized Structures
TROPOMI	Tropospheric Ozone Monitoring Instrument
TSI	Total Sky Imager
TU Delft	Delft University of Technology
UK	United Kingdom
UTC	Universal Time, Coordinated
VIS	Visibility
VITO	Flemish Institute for Technical Research
VU	Free University
W3C	World Wide Web Consortium
WCS	Web Coverage Service

WFS            Web Feature Service  
WMO            World Meteorological Organization  
WMO-IPET MDI WMO Inter-Programme Expert Team on Metadata and Data Interoperability  
WMS            Web Mapping Service