

10 Glossary

AATSR	Advanced Along Track Scanning Radiometer
ADM-Aeolus	Atmospheric Dynamics Mission
AMR	Advanced Microwave Radiometer
AMSU	Advanced Microwave Sounding Unit
ASCAT	Advanced Scatterometer
ASI	Agenzia Spaziale Italiana
ATOVS	Advanced TIROS Operational Vertical Sounder
AVHRR	Advanced Very High Resolution Radiometer
BIOMASS	Candidate ESA Explorer mission to make Global Measurements of Forest Biomass
CALIPSO	Cloud Aerosol Lidar Infrared Pathfinder Satellite Observations
CECILIA	Central and Eastern Europe Climate Change Impact and Vulnerability Assessment
CEOS	Committee on Earth Observation Satellites
CFCs	Chlorofluorocarbons
CGMS	Coordination Group for Meteorological Satellites
CLAVIER	Climate Change and Variability: Impact on Central and Eastern Europe
CM SAF	Climate Monitoring Satellite Application Facility
CNES	Centre National d'Etudes Spatiales
CNRM	Centre National de Recherches Meteorologiques
CO ₂	Carbon Dioxide
COP	Conference of the Parties (to UNFCCC).
CoReH2O	Candidate ESA Explorer mission to make detailed observations of key snow, ice and water cycle characteristics
Cryosat-2	ESA Ice Mission
DEMETER	Detection of Electro-Magnetic Emissions Transmitted from Earthquake Regions
DEV	Development
DG AGRI	Directorate General Agriculture and Rural Development
DG AIDCO	Directorate General EuropeAid
DG DEV	Directorate General Development
DG EAC	Directorate General Education and Culture
DG ENTR	Directorate General Enterprise and Industry
DG ENV	Directorate General Environment
DG INFO	Directorate General Information Society and Media
DG MARE	Directorate General Maritime Affairs and Fisheries
DG REGIO	Directorate General Regional Policy
DG RELEX	Directorate General External Relations
DG RTD	Directorate General Research
DG TREN	Directorate General Energy and Transport
DG SANCO	Directorate General Health and Consumers
DKRZ	Deutsches Klimarechenzentrum
DLR	Deutsches Zentrum für Luft- und Raumfahrt
DMC	Disaster Monitoring Constellation
EarthCARE	ESA/JAXA Cloud and Aerosol Mission
EC	European Commission
ECHO	Directorate General Humanitarian-Aid
ECV	Essential Climate Variable
ECMWF	European Centre for Medium Range Weather Forecasting
EEA	European Environment Agency
ENSEMBLES	Ensemble Based Predictions of Climate Change and their Impacts
Envisat	Environmental Satellite
EPS	European Polar System

ERA	European Re-analysis
ERS	European Remote Sensing Satellite
ESA	European Space Agency
ESAC	ESA Science Advisory Committee
ESOC	European Space Operations Centre
EU	European Union
EUMETNET	The Network of European Meteorological Services
EUMETSAT	European organization for the exploitation of Meteorological Satellites
fAPAR	Fraction of Absorbed Photosynthetically Active Radiation
FCDR	Fundamental Climate Data Record
FOCC	Flight Operations Control Centre
FP6	6 th Framework Program
FP7	7 th Framework Program
GAW	Global Atmosphere Watch
GCOS	Global Climate Observing System
GEANT	Multi-gigabit European research and education network and associated services
GEO	Group on Earth Observation
GEOLAND	Integrated GMES project on Land Cover and Vegetation
GEOMON	Global Earth Observation and Monitoring of the Atmosphere
GEOSS	Global Earth Observation System of Systems
GEMS	Global and regional Earth-system (Atmosphere) Monitoring using Satellite and in-situ data (GEMS)
GERB	Geostationary Earth Radiation Budget
GHG	Greenhouse Gases
GMES	Global Monitoring for Environment and Security
GOCE	Gravity field and steady-state Ocean Circulation Explorer
GOME	Global Ozone Monitoring Experiment
GOOS	Global Ocean Observing System
GRAS	Global Navigation Satellite Systems Radio Occultation Receiver for Atmospheric Sounding
GRAS SAF	GRAS Satellite Application Facility
GSICS	Global Space-based Inter-Calibration System
GTOS	Global Terrestrial Observing System
GTS	Global Telecommunications System
HCFCs	Hydrochlorofluorocarbons
HFCs	Hydrofluorocarbons
HIRS	High Resolution Infrared Radiation Sounder
IASI	Infrared Atmospheric Sounding Interferometer
IPCC	Intergovernmental Panel on Climate Change
IJPS	Initial Joint Polar-Orbiting Operational Satellite System
IR	Infrared
JASON	CNES/NASA Ocean Altimetry Mission
JRC	Directorate General Joint Research Centre
LAI	Leaf Area Index
LSA SAF	Land Surface Analysis Satellite Application Facility
MACC	Monitoring Atmospheric Composition and Climate
MERIS	Medium Resolution Imaging Spectrometer
MERSEA	Marine Environment and Security for the European Area
MetOp	Meteorological Operational Satellite
MHS	Microwave Humidity Sounder
MIPAS	Mitchelson Interferometer for Passive Atmospheric Sounding
MPIM	Max-Planck-Institut für Meteorologie

MS	Member States
MSG	Meteosat Second Generation
MSU	Microwave Sounding Unit
MTG	Meteosat Third Generation
MyOcean	GMES Marine Core Service Implementation Project
N ₂ O	Nitrous Oxide
NASA	National Aeronautics and Space Administration
NMS	National Meteorological Service
NOAA	National Oceanic and Atmospheric Administration
NWC SAF	Nowcasting and Very Short Range Forecasting Satellite Application Facility
NWP	Numerical Weather Prediction
NWP SAF	Numerical Weather Prediction Satellite Application Facility
O3M SAF	Ozone and Atmospheric Chemistry Monitoring Satellite Application Facility
OP	Operational
OSI SAF	Ocean and Sea Ice Satellite Application Facility
PARASOL	Polarization and Anisotropy of Reflectances for Atmospheric Sciences coupled with Observations from a Lidar
PFCs	Perfluorocarbons
Pre-OP	Pre-Operational
PREMIER	Candidate ESA Explorer mission to understand atmospheric processes linking trace gases, radiation, chemistry and climate
QA/QC	Quality Assurance/Quality Control
R&D	Research and Development
RA	Radar Altimeter
R/SSC-CM	Regional / Specialized Satellite Centres for Climate Monitoring
SAF	Satellite Application Facility
SAR	Synthetic Aperture Radar
SBA	Societal Benefit Area
SCIAMACHY	Scanning Imaging Absorption Spectrometer for Atmospheric Chartography
SCOPE-CM	Sustained Coordinated Processing of Environmental Satellite Data for Climate Monitoring
SF ₆	Sulphur hexafluoride
SIT	Strategic Implementation Team
SMOS	Soil Moisture and Ocean Salinity
SPOT	Satellite Pour l'Observation de la Terre
SSH	Sea Surface Height
SWARM	ESA Magnetic Field Mission
SWH	Significant Wave Height
TCDR	Thematic Climate Data Record
TIROS	Television and Infrared Observational Satellite
UNFCCC	United Nations Framework Convention on Climate Change
VEGETATION	Instrument to study the Vegetation Cover at regional and Global Scale
VEN _μ S	Vegetation and Environment monitoring on a New Micro-Satellite
VIS	Visible
WCRP	World Climate Research Program
WGCV	Working Group on Calibration and Validation
WIS	WMO Information System
WIGOS	WMO Integrated Global Observing System
WMO	World Meteorological Organisation