

EO Acronyms and Abbreviations Glossary (taken from EUMETSAT)**A****AAI**

Absorbing Aerosol Indicator (Ozone SAF) product

AAPP

AVHRR and ATOVS Processing Package

A-DCS

Advanced Data Collection System

ADEOS

ADvanced Earth Observing Satellite (Japan)

ADM

Angular Distribution Model

AEGOS

African-European Georesources Observation System

AFG

Administrative and Finance Group

AGCM

Atmospheric Global Circulation Model

AGS

Application Ground Segment

AHPRT

Advanced High Rate Picture Transmission

AiDA

Assessment of ICT for Disaster Management in Africa

AIRS

Advanced Infrared Sounder

AIT

Assembly, Integration, Test

AIV

Assembly, Integration, Verification

AMA

Air Mass Analysis (Nowcasting SAF product)

AMESD

African Monitoring of the Environment for Sustainable Development

AMI

Active Microwave Instrumentation (on ERS-1/2)

AMR

Advanced Microwave Radiometer

AMSU

Advanced Microwave Sounding Unit

AMSU-A

Advanced Microwave Sounding Unit-A (a 15-channel radiometer for temperature soundings flown in polar orbit).

AMSU-B

Advanced Microwave Sounding Unit-B (a 5-channel radiometer for humidity soundings flown in polar orbit).

AMV

Atmospheric Motion Vector (MSG MPEF product)

ANSI

American National Standards Institute

AOCS

Attitude Orbit Control System

AOD

Aerosol Optical Depth

AOT

Aerosol Optical Thickness

API

Antecedent Precipitation Index

API

Algorithm Processing Interface

APT

Automatic Picture Transmission

AQC

Automatic Quality Control

AR

Ambiguity Removal

ARGOS

Meteorological Data Collection and Location System

ARPEGE

Action de Recherche Petite Echelle Grande Echelle (French NWP model)

ASCAT

Advanced Scatterometer

ASCII

American Standard Code for Information Interchange

ASI

Agenzia Spaziale Italiana (Italian Space Agency)

ASII

Automatic Satellite Image Interpretation (Nowcasting SAF product)

ASR

All Sky Radiances

ATOVS

Advanced TIROS Operational Vertical Sounder (suite of sounding instruments including AMSU-A, AMSU-B and HIRS/3).

ATSR

Along Track Scanning Radiometer

AVHRR

Advanced Very High Resolution Radiometer (for visible and infrared imagery, flown in polar orbit).

B**BDMS**

Botswana Department of Meteorological Services

BFG

Bundesanstalt für Gewässerkunde (Germany)

BPI

bits per inch

BPS

bits per second

BSH

Bundesamt für Seeschifffahrt und Hydrographie (Germany)

BRDF

Bi-directional Reflection Distribution Function

BSRN

Baseline Surface Radiation Network

BTE

Bench Test Equipment

BUFR

Binary Universal Form for the Representation of meteorological data.

C**CAL/VAL**

Calibration and Validation

CAL-MON

Calibration Monitoring

CBS

Commission for Basic Systems (of WMO)

CCF

Cloud Correction Factor

CCSDS

Consultative Committee for Space Data Systems

CDA

Command and Data Acquisition

CDR

Critical Design Review

CDS

Climate Data Set (MSG MPEF Product)

CDS

Cloud Detection System (from KNMI)

CEO

Centre for Earth Observation

CEOS

Committee of Earth Observation Satellites

CERES

Clouds and Earth's Radiant Energy System

CET

Central European Time (CET), used in most parts of the European Union, 1 hour ahead of UTC.

CGMS

Coordination Group for Meteorological Satellites

CGS

Core Ground Segment (of EPS)

CIE

Commission Internationale de l'Éclairage (International Commission on Illumination)

CIMSS

Cooperative Institute for Meteorological Satellite Studies (USA)

CLA

Cloud Analysis (MSG MPEF Product)

CLARA

Clouds And Radiation measurement campaign (from KNMI)

CLM

Calibration support/monitoring (MSG MPEF product)

CLM

CLimate Monitoring

CLW

Cloud Liquid Water

CM

Conceptual Models

CM

Climate Monitoring

CMA

Cloud Mask (Nowcasting SAF product)

CMA

China Meteorological Administration

CMF

Circular Median Filter

CMOD

C MODel (geophysical transfer function for C-band scatterometer)

CMP

Configuration Management Plan

CMS

Centre de Météorologie Spatiale (France)

CMV

Cloud Motion Vector

CMW

Cloud Motion Winds (MTP product)

CNES

CNES (France)

CNRM

Centre National de Recherche Météorologique (France)

CONAE

Nacional de Actividades Espaciales

COTS

Commercial-Off-The-Shelf

CPS

Complementary Platform System

CRAG

Cloud Recognition Algorithm for GOME

CRR

Convective Rainfall Rate (Nowcasting SAF product)

CSIR

The Council for Scientific and Industrial Research

CSR

Clear Sky Radiances (MSG MPEF Product)

CT

Cloud Type (Nowcasting SAF product)

CTH

Cloud Top Height (MSG MPEF product)

CTTH

Cloud Top Temperature and Height

D**DADF**

Data Acquisition and Dissemination Facility

DCP

Data Collection Platform

DCS

Data Collection System

DEM

Digital Earth Model/Digital Elevation Model

DISORT

DIScrete Ordinates Radiative Transfer

DLR

Deutsches Zentrum für Luft- und Raumfahrt (Germany)

DLR

Downwelling Long-wave Radiation

DMI

Danmarks Meteorologiske Institut

DMSP

Defense Meteorological Satellite Program (of the US Department of Defense)

DNMI

Det Norske Meteorologiske Institutt

DOAS

Differential Optical Absorption Spectroscopy

DOD

Department of Defense (USA)

DORIS

Doppler Orbitography and Radio-positioning Integrated by Satellite

DPG

Data Policy Group

DRS

Data Relay Satellite

DSLFL

Downward Surface Long-wave Flux (Ocean & Sea Ice and Land SAF product)

DSSF

Downward Surface Short-wave Flux (Ocean & Sea Ice and Land SAF product)

DTM

Digital Terrain Model

DU

Dobson Units

DWD

Deutscher Wetterdienst (German National Meteorological Service)

E**EACCS**

EUMETSAT Advisory Committee on Cooperating States

EARS

EUMETSAT Advanced Retransmission Service

EBBT

Equivalent Black Body Temperature

EC

European Commission

ECMWF

European Centre for Medium-Range Weather Forecasts (UK)

ECSN

European Climate Support Network

ECV

Essential Climate Variables

EDF

European Development Fund

EEA

European Environment Agency

EGOPS

End-to-end GNSS Occultation Performance Simulator

EGSE

Electrical Ground Support Equipment

EIRP

Equivalent Isotropic Radiated Power

EKU

EUMETCast Key Unit

EM

Engineering Model

EMI

European Meteorological Infrastructure

EMSA

European Maritime Safety Agency

ENPI

European Neighbourhood and Partnership Instrument

EOL

End of Life

EOP

Earth Observation Portal

EOS

Earth Observing System

EOSDIS

Earth Observation System Data Information System

EPS

EUMETSAT Polar System

EPS-SG

EUMETSAT Polar System-Second Generation

ERA

ECMWF Re-Analysis

ERB

Earth Radiation Budget

ERBE

Earth Radiation Budget Experiment (NASA)

ERBS

Earth Radiation Budget Satellite

ERS

European Remote-sensing Satellite (ESA)

ESA

European Space Agency

ESOC

European Space Operations Centre

ESTEC

European Space Research & Technology Centre

ETC/LC

European Topic Centre/Land Cover

EU

European Union

EUMETNET

Network of 31 European National Meteorological Services (NMS)

F

FP7

Seventh Framework Programme

FAPAR

Fraction of Absorbed Photosynthetic Active Radiation (Land SAF product)

FAR

Flight Acceptance Review

FASTEX

Fronts and Atlantic Storm-Track EXperiment

FCI

Flexible Combined Imager

FDP

Fast Delivery Product

FDS

Full Disc Scan

FGAT

First Guess at Appropriate Time

FGV

Fraction of Green Vegetation (Land SAF product)

FIR

Flight Information Region

FM

Flight Model

FMA

Fondazione di Meteorologia Applicata (Italy)

FMI

Ilmatieteen laitos

FOV

Field of View

FPP

Frequency Power Profile

FSSP

Forward Scattering Spectrometer Probe

G**GAC**

Global Area Coverage

GAW

Global Atmosphere Watch

GCM

Global Circulation Model

GCOS

Global Climate Observing System

GDS

Global Data Service

GEMI

Global Environment Monitoring Index

GEOSAR

GEOstationary satellite Search And Rescue

GEOSAT

GEOdetic/GEOphysical SATellite (US Navy)

GEOS-C

Geodynamics Experimental Ocean Satellite (NASA)

GERB

Geostationary Earth Radiation Budget

GEWEX

Global Energy and Water cycle EXperiment (of WMO)

GFSC

Global Framework for Climate Services

GII

Global Instability Index (MSG MPEF Product)

GIIS

General Instrument Interface Specification

GKSS

Gesellschaft für Kernenergieverwertung in Schiffbau und Schifffahrt (Germany)

GLONASS

GLOBAL NAVIGATION Satellite System (Russia)

GMS

Geostationary Meteorological Satellite (Japan)

GMT

Greenwich Mean Time

GNSS

Global Navigation Satellite System

GO3OS

Global Ozone Observing System

GODIVA

GOme Data Interpretation, Validation and Application

GOES

Geostationary Operational Environmental Satellite, owned by the US.

GOME

Global Ozone Monitoring Experiment

GOMETRAN

GOME radiative TRANSfer model

GPCP

Global Precipitation Climatology Project

GPS

Global Positioning System

GPSOS

Global Positioning System Occultation Sensor (NPOESS)

GPSP

Global Positioning System Payload

GRAS

GNSS Receiver for Atmospheric Sounding, instrument on Metop.

GRIB

Gridded Binary Format — format used for meteorological data.

GSCIS

Global Space-based Inter-Calibration System

GSE

Ground-Support Equipment

GSFC

Goddard Space Flight Center (USA)

GTS

Global Telecommunications System

GUAN

GCOS Upper Air Network

GVAP

Global water Vapour Project (from WCRP/GEWEX)

H**HCP**

Humidity Composite Product (Climate SAF product)

HIRLAM

High Resolution Limited Area Model

HIRS

High Resolution Infrared Radiation Sounder

HL

High Latitude

HNMS

Hellenic National Meteorological Service (Greece)

HOPE

Hamburg Operations Primitive Equations model (Ocean Circulation Model)

HPI

High resolution Precipitation Index (MSG MPEF Product)

HRI

High Resolution Image

HRIT

High Rate Image Transmission

HRPT

High Resolution Picture Transmission

HRUS

HRIT User Station

HRV

High Resolution Visible

HRW

High Resolution Wind vectors from HRVIS (Nowcasting SAF product)

I

IAMAP

International Association for Meteorology and Atmospheric Physics

IASI

Infrared Atmospheric Sounding Interferometer

IATA

Institute of Agrometeorology and Environmental Analysis Applied in Agriculture (Italy)

ICAT

Instituto de Ciencia Aplicada e Tecnologia (Institute for Applied Science and Technology, Portugal)

ICD

Interface Control Document

ICFA

Initial Cloud Fitting Algorithm

ICU

Instrument Control Unit

IDCS

International Data Collection System

IDHS

Instrument Data Handling System

IDS

ISCCP Data Set (MSG MPEF Product)

IEEC

Institut d'Estudis Espacials de Catalunya (Spain)

IERS

International Earth Rotation Service

IFOV

Instantaneous Field Of View

IFREMER

Institut Français de REcherche pour l'exploitation de la MER (French Oceanic Institute, Brest)

IJPS

Initial Joint Polar-Orbiting Operational Satellite System

IGBP

International Geosphere/Biosphere Programme

IGS

International GPS Service

IMK

Institute of Meteorology and Climate Research (Karlsruhe, Germany)

IMPF

Image Processing Facility (part of the MSG Ground Segment)

INM

Institut Nacional de Meteorologia (Spanish National Meteorological Service)

INPE/CPTEC

National Institute for Space Research

INRIA

Institut de Recherche en Informatique Appliquee

INTA

Instituto Nacional de Tecnología Agropecuaria

IODC

Indian Ocean Data Coverage

IPCC

Inter-governmental Panel on Climate Change

IPMA

Instituto Portugues do Mar e da Atmosfera (Portugal)

IR

Infrared

IRR

Integration Readiness Review

IRTS

Infrared Temperature Sounder

ISCCP

International Satellite Cloud Climatology Project

ISRO

National Remote Sensing Centre Indian Space Research Organisation

ISSWG

IASI Sounder Science Working Group

ITPP

International TOVS Processing Package

ITRA

Intercomparison of Transmittance and Radiance Algorithms

ITRF

International Terrestrial Reference Frame

ITS

Interferometer Thermal Sounder

J**JASIN**

Joint Air-Sea INteraction experiment

JERS

Japanese Earth Resources Satellite

JMA

Japan Meteorological Agency

JPL

Jet Propulsion Laboratory

JRC

Joint Research Centre

JTWC

Joint Typhoon Warning Center

K**KB**

Kilobytes

KDS

(Metop Direct Readout) Key Dissemination System

KM/H

Kilometres per hour

KNMI

Koninklijk Nederlands Meteorologisch Instituut (Netherlands)

L**LAI**

Leaf Area Index (Land SAF product)

LAM

Local Area Model

LBL

Line-By-Line (type of RTM)

LEO

Lower Earth Orbit

LEOP

Launch and Early Orbit Phase

LIDAR

Light Detection and Ranging

LMD

Laboratoire de Météorologie Dynamique (France)

LML

Low and Mid-Latitude

LPW

Layer Precipitable Water (Nowcasting SAF product)

LRA

Laser Retroreflector Array

LRIT

Low Rate Information Transmission

LRPT

Low Rate Picture Transmission

LRUS

Low Rate User Station

LSA

Land Surface Analysis

LST

Land Surface Temperature (Land SAF product)

LUT

Look-Up Table

LWC

Liquid Water Content

LWR

Long-Wave Radiation

M

MAUVE

MApping UV by Europe

MB

MegaBytes

MCC

Mission Control Centres

MCP

Meteorological Communications Package

MCS

Mesoscale Convective System

MERIS

Medium Resolution Imaging Spectrometer

MESA

Monitoring of Environment and Security in Africa

MFG

Meteosat First Generation

MHS

Microwave Humidity Sounder

MIEC

Meteorological Information Extraction Centre

MIMR

Multi-frequency Imaging Microwave Radiometer

MISR

Multi-angle Imaging Spectro-Radiometer

MMI

Man Machine Interface

MODIS

Moderate Resolution Imaging Spectroradiometer

MODTRAN

MODerate resolution TRANsmittance code

MOL

Meteorological Observatory Lindenberg

MPEF

Meteorological Products Extraction Facility (part of MSG Ground Segment)

MPIFM

Max-Planck-Institut für Meteorologie (Germany)

MSG

Meteosat Second Generation

MSL

Mean Sea Level

MSU

Microwave Sounding Unit

MTBF

Mean Time Between Failure

MTG

Meteosat Third Generation

MTL

Master Timeline

MTP

Meteosat Transition Programme

MTR

Mid-Term Review

MTS

Microwave Temperature Sounder

MTTR

Mean Time To Repair

MVIRI

Meteosat Visible and Infrared Imager

N**NAO**

North Atlantic Oscillation

NASA

National Aeronautics and Space Administration

NASDA

Nippon Aeronautics and Space Development Administration

NASA SERVIR

SERVIR Regional Visualization and Monitoring System

NCEP

National Center for Environmental Prediction (Washington)

NCDC

NOAA National Climatic Data Center

NDVI

Normalised Differential Vegetation Index (Land SAF product)

NESDIS

National Environmental Satellite, Data and Information Service (NOAA)

NETD

Noise Equivalent Differential Temperature

NILU

Norwegian Institute for Air Research

NIR

Near Infrared

NMC

National Meteorological Center (USA)

NOAA

National Oceanic and Atmospheric Administration

NORDRAD

NORdic RADar network

NPOESS

National Polar-orbiting Operational Environmental Satellite System (NOAA)

NSCAT

NASA SCATterometer (on ADEOS-1)

NVAP

NASA water VApour Project

NWC

Nowcasting

NWP

Numerical Weather Prediction

O**O3M**

Ozone Monitoring

OASE

Ozone Application Simulator and Explorer

OI

Optimum Interpolation

OGDR

Operational Geophysical Data Record

OSTM

Ocean Surface Topography Mission (Jason)

OMI

Ozone Monitoring Instrument

OPD

Optical Depth

ORR

Operational Readiness Review

OSE

Observing System Experiment

OSI

Ocean and Sea Ice

OSSE

Observing System Simulation Experiment

P

PA

Product Assurance

PAC

Policy Advisory Committee

PAR

Photosynthetic Active Radiation

PBL

Planetary Boundary Layer

PC

Precipitating Clouds (Nowcasting SAF product)

PDR

Preliminary Design Review

PDU

Product Dissemination Units

PDUS

Primary Data User Station

PFL

Probability of Frame Loss

PLM

Payload Module

PMD

Polarisation Measurement Device

PML

Plymouth Marine Laboratory

PMSL

Pressure at Mean Sea Level

POD

Precise Orbit Determination

POLDER

POLarisation and Directionality of the Earth's Reflectances

PPS

Precise Positioning Service

PUMA

Preparation for the Use of MSG in Africa

R**RADR**

Requirements and Architectural Design Review

RANET

Radio and Internet for the Communication of Hydro-Meteorological and Climate Related Information

RASS

Radio-Acoustic Sounding System

RDT

Rapidly Developing Thunderstorms (Nowcasting SAF product)

REKLIP

Regionales KLIMA Projekt (from CH, D and F)

RFC

Radio Frequency Compatibility

RFI

Radio Frequency Interference

RGB

Red Green Blue

RH

Relative Humidity

RMDCN

Regional Meteorological Data Communication Network

RMS

Root Mean Square

RO

Radio Occultation

RS

Remote Sensing

RSM

Root-zone Soil Moisture (Land SAF product)

RSS

Rapid Scanning Service

RTM

Radiative Transfer Model

RTTOV

Radiative Transfer model for TOVS

S**SADT**

Structured Analysis and Design Technique

SAF

Satellite Application Facilities

SAG

Science Advisory Group

SAGE

Stratospheric Aerosol and Gas Experiment

SAI

Stability Analysis Imagery (Nowcasting SAF product)

SAR

Search and Rescue

SARP

Search And Rescue Processor

SARR

Search and Rescue Repeater

SARVI

Atmosphere Resistant Vegetation Index

SASS

Seasat-A Scatterometer System

SATEM

SATellite TEMperature (WMO code for temperature data)

SARSAT

Search And Rescue Satellite Aided Tracking

SAVI

Soil Adjusted Vegetation Index

SAWS

South African Weather Service

SBUV

Solar Backscatter Ultra-Violet Spectral Radiometer

SC

Snow Cover (Land SAF product)

SCANDIA

SMHI Cloud Analysis model using Digital AVHRR data

SCARAB

Scanner for Earth's Radiation Budget

SCM

Spatial Coherence Method

SEASAT

SEA SATellite

SEM

Space Enviromental Monitor

SEVIRI

Spinning Enhanced Visible and Infrared Imager

SKU

Station Key Units

SIRR

System/Software Integration Readiness Review

SIVVRR

System/Software Integration Verification and Validation Results Review

SM

Soil Moisture

SMAC

Simplified Method for Atmospheric Correction

SMHI

Sveriges meteorologiska och hydrologiska institut

SNR

Signal-to-Noise Ratio

SODA

Studies for Ozone Data Assimilation (EU project)

SPU

Software Package Unit

SRB

Surface Radiation Budget

SSI

Surface Solar Irradiance

SSM/I

Special Sensor Microwave/Image (on Defense Meteorological Satellite Program satellite)

SSP

Sub-Satellite Point

SSS

Scatterometer Simulator System

SST

Sea Surface Temperature

SSU

Stratospheric Sounding Unit

STG

Scientific and Technical Group

STG-SWG

Scientific and Technical Group Science Working Group

STG-OWG

Scientific and Technical Group Operations Working Group

SUVDAMA

Scientific UV DATA Management

SWG

Science Working Group

T**TAMSAT**

Tropical Applications of Meteorology using SATellite data and ground-based observations (University of Reading Met. dept)

TC

Tropical Cyclone

TCDR

Thematic Climate Data Records

TFP

Thermal Front Parameter

TH

Tropospheric Humidity (MSG MPEF Product)

TM

TeleMetry

TM

Thematic Mapper

TOA

Top Of the Atmosphere

TOMS

Total Ozone Mapping Spectrometer

TOPEX/POSEIDON

TOPography EXperiment satellite

TOVS

TIROS Operational Vertical Sounder

TOZ

Total OZone (MSG MPEF product)

TPW

Total Precipitable Water (Nowcasting SAF product)

TWV

Total Water Vapour

U**UA**

University of the Aegean (Greece)

UBR

University of Bremen (Germany)

UBO

University of Bonn (Germany)

UCT

University of Cape Town

UE

University of Evora (Portugal)

UHF

Ultra-High Frequency

UMARF

Unified Meteorological Archive and Retrieval Facility

UNEP

United Nations Environment Programme

USEPA

US Environmental Protection Agency

USGS

US Geological Survey

UT

Aristotle University of Thessaloniki (Greece)

UTC

Coordinated Universal Time. Used when providing the times for our data/products and satellite operational events

UTH

Upper Tropospheric Humidity (MTP MPEF product)

UTM

Universal Transverse Mercator projection system

UV

Ultraviolet

UV

University of Valencia (Spain)

V

VAS

VISSR Atmospheric Sounder

VCDU

Virtual Channel Data Unit

VIS

Visible

VIRSR

Visible and Infrared Scanning Radiometer

VIS/IR

Visible/Infrared

VISSR

Visible and Infrared Spin-Scan Radiometer

VITO

Vlaamse Instelling voor Technologisch Onderzoek

VNIR

Visible and Near Infrared

VUB

Free University of Brussels (Belgium)

W

WAM

WAve Model

WCDMP

World Climate Data and Monitoring Programme

WCRP

World Climate Research Programme

WHO

WOCE Hydrographic Programme

WMO

World Meteorological Organization

WOCE

World Ocean Circulation Experiment (of the World Climate Research Program)

WOUDC

World Ozone and Ultraviolet Data Center

WRDC

World Radiation Data Centre

WRMC

World Radiation Monitoring Centre (Zürich)

WSC

Wind SCatterometer

WV

Water Vapour

WWW

World Weather Watch (WMO)

Z**ZAMG**

Zentralanstalt für Meteorologie und Geodynamik (Austrian National Meteorological Service)