

## GLOSSARY

### AGENCIES AND PROGRAMMES:

<b>AGAGE</b>	Advanced Global Atmospheric Gases Experiment
<b>ALE</b>	Atmospheric Lifetime Experiment
<b>AES</b>	Atmospheric Environment Service (Canada, presently MSC)
<b>CAMS</b>	Chinese Academy of Meteorological Sciences (China)
<b>CESI</b>	Italian Electrical Experimental Center (Italy)
<b>CFR</b>	Centre des Faibles Radioactivites (France)
<b>CHMI</b>	Czech Hydrometeorological Institute (Czech Republic)
<b>CMA</b>	China Meteorological Administration (China)
<b>CMDL</b>	Climate Monitoring and Diagnostics Laboratory (USA/NOAA)
<b>CNR</b>	Consiglio Nazionale delle Ricerche (Italy)
<b>CNRS</b>	Centre National de la Recherche Scientifique (France)
<b>CSIRO</b>	Commonwealth Scientific and Industrial Research Organisation (Australia)
<b>DNA-IAA</b>	Direccion Nacional del Antartico -Instituto Antartico Argentino (Argentina)
<b>DWD</b>	Deutscher Wetterdienst (German Meteorological Service, Germany)
<b>EMPA</b>	Swiss Federal Laboratories for Material Testing and Research (Switzerland)
<b>ENEA</b>	Italian National Agency for New Technology, Energy and the Environment (Italy)
<b>GAGE</b>	Global Atmospheric Gases Experiment
<b>GAW</b>	Global Atmosphere Watch (WMO)
<b>HATS</b>	Halocarbons and other Atmospheric Trace Species
<b>HMS</b>	Hungarian Meteorological Service (Hungary)
<b>IFU</b>	Institute of the Research of the Atmospheric Environment (Germany)
<b>IGP</b>	Instituto Geofísico del Perú (Peru)
<b>IMS</b>	Centro Aeronautico di Montagna, Italian Air Force Meteorological Service (Italy)
<b>INM</b>	Instituto Nacional de Meteorología (Spain)
<b>JMA</b>	Japan Meteorological Agency (Japan)
<b>KMA</b>	Korea Meteorological Administration (Republic of Korea)
<b>LSCE</b>	Laboratoire des Sciences du Climat et de l'Environnement (France)
<b>METRI</b>	Meteorological Research Institute (Republic of Korea /KMA)
<b>MGO</b>	Main Geophysical Observatory (Russian Federation)
<b>MISU</b>	Department of Meteorology, Stockholm University (Sweden)
<b>MRI</b>	Meteorological Research Institute (Japan/JMA)
<b>MSC</b>	Meteorological Service of Canada (Canada, formerly AES)
<b>NCEP</b>	National Centers for Environmental Prediction (USA/NOAA)
<b>NIES</b>	National Institute for Environmental Studies (Japan)
<b>NILU</b>	Norwegian Institute for Air Research (Norway)
<b>NIMH</b>	Institutul National de Meteorologie, Hidrologie si Gospodarirea Apelor (Romania)
<b>NIST</b>	National Institute of Standards and Technology (USA)
<b>NIWA</b>	National Institute of Water & Atmospheric Research (New Zealand)
<b>NOAA</b>	National Oceanic and Atmospheric Administration (USA)
<b>NCEP</b>	National Centers for Environmental Prediction (USA/NOAA)
<b>RIVM</b>	National Institute for Health and Environment (Netherlands)
<b>SAWS</b>	South African Weather Service (South Africa)
<b>SIO</b>	Scripps Institution of Oceanography, University of California at San Diego (USA)

<b>UBA</b>	Umweltbundesamt (Germany)
<b>WDCGG</b>	World Data Centre for Greenhouse Gases, operated by JMA, Japan (WMO)
<b>WMO</b>	World Meteorological Organization
<b>ZAMG</b>	Central Institute of Meteorology and Geodynamics (Austria)

#### **ATMOSPHERIC SPECIES:**

<b>CCl<sub>4</sub></b>	tetrachloromethane (carbon tetrachloride)
<b>CFC-11</b>	chlorofluorocarbon-11 (trichlorofluoromethane, CCl <sub>3</sub> F)
<b>CFC-12</b>	chlorofluorocarbon-12 (dichlorodifluoromethane, CCl <sub>2</sub> F <sub>2</sub> )
<b>CFC-113</b>	chlorofluorocarbon-113 (1,1,2-trichlorotrifluoroethane, CCl <sub>2</sub> FCClF <sub>2</sub> )
<b>CFCs</b>	chlorofluorocarbons
<b>HCFC-141b</b>	hydrochlorofluorocarbon-141b (1,1-dichloro-1-fluoroethane, CH <sub>3</sub> CCl <sub>2</sub> F)
<b>HCFC-142b</b>	hydrochlorofluorocarbon-142b (1,1-difluoro-1-chloroethane, CH <sub>3</sub> CClF <sub>2</sub> )
<b>HCFCs</b>	hydrochlorofluorocarbons
<b>CH<sub>4</sub></b>	methane
<b>CH<sub>3</sub>CCl<sub>3</sub></b>	trichloroethane (methyl chloroform)
<b>CO</b>	carbon monoxide
<b>CO<sub>2</sub></b>	carbon dioxide
<b>N<sub>2</sub>O</b>	nitrous oxide
<b>NO</b>	nitrogen monoxide
<b>NO<sub>2</sub></b>	nitrogen dioxide
<b>NO<sub>x</sub></b>	nitrogen oxides
<b>O<sub>3</sub></b>	ozone
<b>SO<sub>2</sub></b>	sulfur dioxide

#### **UNITS:**

<b>ppb</b>	parts per billion
<b>ppm</b>	parts per million
<b>ppt</b>	parts per trillion

#### **Others:**

<b>ENSO</b>	El Niño-Southern Oscillation
<b>M/V</b>	merchant vessel
<b>R/V</b>	research vessel
<b>SOI</b>	Southern Oscillation Index
<b>SST</b>	Sea Surface Temperature