

Annex III

Acronyms and Abbreviations

This is a list of acronyms and abbreviations as they are used in the report. An arrow (→) denotes acronyms or abbreviations that are also glossary items. For a list of chemical substances, see Annex V: Major Chemical Formulae and Nomenclature.

1-D	One-dimensional	BFCs	Bromofluorocarbons
2-D	Two-dimensional	BING	The Federation of European Polyurethane Rigid Foam Associations
3-D	Three-dimensional	BNF	British National Formulary
AAP	American Academy of Pediatrics	BRA	British Refrigeration Association
ABNT	Brazilian Association for Technical Standards	BRE	DETR Building Research Establishment
AC	Air conditioning	BTU	British thermal unit
ACGIH	American Conference of Governmental and Industrial Hygienists	CAFE	Clean Air For Europe
ACRIB	Air-Conditioning and Refrigeration Industry Board	CAOFSMI	China Association of Organic Fluorine and Silicone Material Industry
ADL	Arthur D. Little, Inc.	CCM	Chemistry-climate model
AEAT	AEA Technology	CCR	China Chemical Reporter
AEL	Allowable exposure limit	CDHS	California Department of Health Services
AFEAS	Alternative Fluorocarbons Environmental Acceptability Study	CDM	→Clean Development Mechanism
AFFF	Aqueous film forming foam	Cefic	Conseil Européen de l'Industrie Chimique (European Chemical Industry Council)
AGAGE	Advanced GAGE	CEITs	→Countries with economies in transition
AGWP	Absolute GWP	CEN	Comité Européen de Normalisation (European Committee for Standardization)
AHAM	Association of Home Appliance Manufacturers	CFCs	→Chlorofluorocarbons
ALE	Atmospheric Lifetime Experiment	CHCP	Combined heating, cooling and power generation
ANSI	American National Standards Institute	ChCst	Change in cost
APME	Association of Plastics Manufacturers in Europe	ChEU	Change in energy usage
AR4	IPCC Fourth Assessment Report	CICADs	Concise International Chemical Assessment Documents
ARAP	Alliance for Responsible Atmospheric Policy	CLASP	Collaborative Labeling and Appliance Standards Program
ARI	Air-Conditioning and Refrigeration Institute	CMDL	NOAA Climate Monitoring and Diagnostics Laboratory
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers	COP	→Coefficient of performance (Refrigeration)
ATM	Automatic teller machine	COP	→Conference of the Parties (Climate Convention)
ATOC	UNEP Aerosols and Miscellaneous Uses Options Committee		
BA	→Blowing agent		
BAU	→Business As Usual		
BCFCs	Bromochlorofluorocarbons		

COPD	Chronic obstructive pulmonary disease	GDP	Gross domestic product
CORINAIR	Core Inventory of Air Emissions in Europe	GEF	Global Environment Facility
CP	→Country Programme	GEIA	Global Emissions Inventory Activity
CPSC	Consumer Products Safety Commission	GEISA	Gestion et Etude des Informations Spectroscopiques Atmosphériques
CPU	Central processing unit		
CTI	Cryo-Trans, Inc.	GHG	→Greenhouse gas
D&T	Deloitte & Touche Consulting Group	GISS	NASA Goddard Institute for Space Studies
DDT	Dichloro-diphenyl-trichloroethane	gpm	Gallon (US) per mile
DEFRA	UK Department of Environment, Food and Rural Affairs	GWP	→Global warming potential
DETR	UK Department of the Environment, Trade and the Regions	HadRT	Hadley Centre Radiosonde Temperature base
		HALOE	Halogen Occultation Experiment
DHW	Domestic hot water	HAPs	Hydrocarbon Aerosol Propellants
DME	Dimethyl ether	HCFCs	→Hydrochlorofluorocarbons
DPI	→Dry powder inhaler	HCs	→Hydrocarbons
DTU	Danish Technical University	HEEP	HFC Emissions Estimating Program
DU	→Dobson unit	HFCs	→Hydrofluorocarbons
DX	Direct expansion	HFES	→Hydrofluoroethers
EC	European Commission	HITRAN	High-Resolution Transmission Molecular Absorption
ECMWF	European Centre for Medium-Range Weather Forecasting	HPC	IEA Heat Pump Centre
EDGAR	Emission Database for Global Atmospheric Research	HRBSC	Halon Recycling and Banking Support Committee
EER	Energy efficiency ratio	HTF	Heat transfer fluid
EESC	Equivalent effective stratospheric chlorine	HTOC	Halons Technical Options Committee
EFCTC	European Fluorocarbon Technical Committee	ICSC	International Chemical Safety Cards
EHC	Environmental health criteria	IEA	International Energy Agency
EITs	Economies in transition	IEC	International Electrotechnical Commission
EmR	Direct emission reduction	IIR	International Institute of Refrigeration
EN	European Standards	ILO	International Labour Organisation
EOL	End-of-life	IMDG	International Maritime Dangerous Goods Codes
EPA	Environmental Protection Agency	IMO	International Maritime Organization
EPS	Expanded polystyrene	IPA	Isopropyl alcohol
ETF	Earth Technology Forum	IPAC	International Pharmaceutical Aerosol Consortium
EtO	Ethylene oxide	IPACT-I	International Pharmaceutical Aerosol Consortium for Toxicity Testing of HFC-134a
ETSU	Renewable and Energy Efficiency Organisation	IPACT-II	International Pharmaceutical Aerosol Consortium for Toxicity Testing of HFC-227
EU	European Union	IPCC	→Intergovernmental Panel on Climate Change
EuroACE	European Alliance for Companies for Energy Efficiency	IPCS	International Programme on Chemical Safety
EXIBA	European Extruded Polystyrene Insulation Board Association	IPLV	Integrated part load value
EXPORT	European Export of Precursors and Ozone by Long-Range Transport	ISAAC-SC	International Study of Asthma and Allergies in Childhood Steering Committee
FAO	Food and Agriculture Organization of the United Nations	ISO	International Organization for Standardization
FDH	Fixed dynamical heating	ISOPA	European Isocyanate Producers Association
FEA	Fédération Européenne des Aérosols (European Aerosol Federation)	ITH	Integration time horizon
FEMA	Fire Equipment Manufacturers Association	JARN	Japan Air Conditioning, Heating, and Refrigeration News
F-Gases	Fluorinated greenhouse gases	JPL	NASA Jet Propulsion Laboratory
FIC	Fire Industry Confederation	JRAIA	Japan Refrigeration and Air conditioning Industries Association
FKs	→Fluoroketones	JTCCM	Japan Technical Centre for Construction Materials
FM	Factory Mutual Research Corporation		
FTP 75	US Federal Test Procedure 75	LCA	→Life cycle assessment
GAGE	Global Atmospheric Gases Experiment	LCC	Life cycle cost
GCM	General circulation model	LCCP	→Life cycle climate performance

LCD	Liquid carbon dioxide	PTC	Positive temperature coefficient
LCVs	Light commercial vehicles	PTFE	Polytetrafluoroethylene
LFL	→Lower flammability limit	PU	Polyurethane
LKS	Lanzante-Klein-Seidel radiosonde database	PVC	Poly(vinyl chloride)
LNG	Liquefied natural gas	PWD	Planetary wave drag
LPG	Liquefied petrol gas	R&D	Research and development
MAC	Mobile air conditioning	RF	→Radiative forcing
MACS	Mobile Air-Conditioning Society	rpm	Rotations per minute
MDI	→Metered dose inhalers	RSW	Refrigerated sea water
METI	Japan Ministry of Economy, Trade and Industry	SAC	Stationary air conditioning
MINOS	Mediterranean Intensive Oxidant Study	SAE	Society of Automotive Engineers
MIR	Maximum incremental reactivity	SAGE	Stratospheric Aerosol and Gas Experiment
MLF	Multilateral Fund	SAM	Southern Annular Mode
MOP	→Meeting of the Parties	SAR	IPCC Second Assessment Report
MSDS	Materials safety data sheet	SCANVAC	Scandinavian Federation of Heating, Ventilating and Sanitary Engineering Associations
MSU	Microwave Sounding Unit	SEER	Seasonal energy efficiency ratio
MSWI	Municipal Solid Waste Incinerators	SH	Southern Hemisphere
NAM	Northern Annular Mode	SMEs	Small and medium enterprises
NAO	North Atlantic Oscillation	SNAP	Significant new alternatives policy
NASA	National Aeronautics and Space Administration	SOLAS	International Convention for the Safety of Life at Sea
NBP	→Normal boiling point	SPARC	Stratospheric Processes and their Role in Climate
NCEP	National Centers for Environmental Prediction	SPM	Summary for Policymakers
NEDC	New European Driving Cycle	SRES	→Special Report on Emission Scenarios
NESCCAF	Northeast States Center for a Clean Air Future	SRI	Stanford Research Institute, International
NFPA	National Fire Protection Association	SST	Sea-surface temperature
NH	Northern Hemisphere	SSU	Stratospheric Sounding Unit
NIK	→Not-in-Kind	STE	Stratosphere-troposphere exchange
NIOSH	US National Institute for occupational Safety and Health	STEK	Association for the Recognition of Refrigeration Engineering Firms (The Netherlands)
NIST	US National Institute of Standards and Technology	STOC	UNEP Solvents Technical Options Committee
NMHC	Non-methane hydrocarbon	STT	Stratosphere into the troposphere
NOAA	US National Oceanic and Atmospheric Administration	SUV	Sport utility vehicle
NODA	US EPA Notice of Data Availability	TAR	IPCC Third Assessment Report
nPB	n-Propyl Bromide	TCCC	The Coca Cola Company
NPV	Net present value	TEAP	→Technology and Economic Assessment Panel
NREL	National Renewable Energy Laboratory	TEU	Twenty-foot equivalent unit
OCF	→One-component foams	TEWI	→Total equivalent warming impact
ODP	→Ozone depletion potential	TFA	Trifluoroacetic acid
ODSs	→Ozone-depleting substances	TFCRS	Task Force on Collection, Recovery and Long-Term Storage
OECD	Organisation for Economic Co-operation and Development	TLV	→Threshold limit value
OEMs	Original equipment manufacturers	TOMS	Total Ozone Mapping Spectrometer
OJEC	Official Journal of the European Community	TS	Technical Summary
OORG	Ozone Operations Resource Group	TST	Troposphere into the stratosphere
PAG	Polyalkylene glycols	TTL	Tropical tropopause layer
PAO	Polyalphaolefin	TWA	→Time-weighted average
PFCAs	Perfluorinated carboxylic acids	UCI	University of California at Irvine
PFCs	→Perfluorocarbons	UK	United Kingdom
PIR	Polyisocyanurate	UL	Underwriters Laboratories
POCP	Photochemical ozone creation potential	UN	United Nations
PS	Polystyrene	UN-ECE	United Nations Economic Commission for Europe
PSCs	→Polar stratospheric clouds	UNEP	→United Nations Environment Programme
PTB	Persistent, toxic and can accumulate in the biosphere		

UNEP-DTIE	UNEP Division of Technology, Industry, and Economics	UV	→Ultraviolet
UNEP-TOC	UNEP Technical Options Committee	VDA	German Association of the Automotive Industry
UNFCCC	→United Nations Framework Convention on Climate Change	VOCs	→Volatile organic compounds
US	United States	VSL	Very short-lived
US EPA	US Environmental Protection Agency	WHO	World Health Organisation
US FDA	US Food and Drug Administration	WMGHGs	→Well-mixed greenhouse gases
USA	United States of America	WMO	→World Meteorological Organization
USCG	US Coast Guard	WOUDC	World Ozone and UV Data Centre
USD / US\$	United States Dollars	WTA	Willingness to accept payment
		WTP	Willingness to pay
		XPS	Extruded polystyrene