

# ABBREVIATIONS

AACA	Adaptation Actions for a Changing Arctic (research project)
AAU	assigned amount unit
Actris	Aerosols, Clouds and Trace gases Research Infrastructure
ADAPT	research project on uncertainties, and risks to forests and forestry
AERONET	Aerosol Robotic Network
AFLRA	Association of Finnish Local and Regional Authorities
Afr.DB	African Development Bank
Afr.DF	African Development Fund
AGE	applied general equilibrium model of the Finnish economy
AKVA	Sustainable Governance of Aquatic Resources
A-LA-CARTE	Assessing limits of adaptation to climate change and opportunities for resilience to be enhanced (a research project)
AMAP	Arctic Monitoring and Assessment Programme
AR5	IPCC Fifth Assessment Report
ARD	afforestation (A), reforestation (R) and deforestation (D)
ARKTIKO	Arctic research programme
ASAP	the Adaptation for Smallholder Agriculture Programme
AsDB	Asian Development Bank
AsDF	Asian Development Fund
AWS	automatic weather stations
BASE	The EU research project Bottom-Up Climate Adaptation Strategies Towards a Sustainable Europe
BAU	business as usual
BC	black carbon
BEAC	Barents Euro-Arctic Council
Biofuture	The programme on biobased economy
BSR	Baltic Sea Region
CAP	Common Agricultural Policy
CAPFOR	Capacity Building in Forest Management
CAREC	Central American Renewable Energy and Cleaner Production Facility
CCP	Cities for Climate Protection
CCPMs	Common and Coordinated Policies and Measures
CCS	carbon capture and storage
CCU	Carbon capture and use
CDM	Clean Development Mechanism
CER	certified emission reduction unit
CGIAR	global research partnership for a food-secure future
CH <sub>4</sub>	methane
CHP	combined heat and power production
CLC	Chemical Looping Combustion
CLICHE	Part of the Research Programme on Climate Change
Click	Climate and Cryosphere

CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> eq.	Carbon dioxide equivalent
CoE	Centre of Excellence
CoM	Covenant of Mayors
CONPAT	evaluation of health risks posed by compromised drinking water quality due to climatic and other factors
COP	Conference of the Parties
CORINAIR	CORe INventory AIR emissions
CORSIA	Carbon Offsetting Scheme for International Aviation
COSMOS	European Community Earth System Models
CP	Commitment period
CR	a registry software
CRF	Common Reporting Format
CSEUR	Consolidated System of EU registries
CTCN	Climate Technology Centre and Network
CTI	Climate Technology Initiative
D	Deforestation
d.d. isocline	degree days, sum of growing season daily average temperatures above +5 °C
DEFROST	Impacts of a changing cryosphere: Depicting ecosystem-climate feedbacks from permafrost, snow and ice (Nordic Center of Excellence)
DG CLIMA	Directorate-General for Climate Action
Dremfia	dynamic partial equilibrium modeling
DRR	Disaster Risk Reduction
EBRD	European Bank for Reconstruction and Development
EBRD TFs all	European Bank for Reconstruction and Development – technical co-operation and special funds (all EBRD countries of operations)
EBRD TFs ODA	European Bank for Reconstruction and Development – technical co-operation and special funds (ODA-eligible countries only)
EBRD-ETC	European Bank for Reconstruction and Development – Early Transition Countries Fund
EBRD-WBJTF	European Bank for Reconstruction and Development - Western Balkans Joint Trust Fund
EC	European Commission
ECA&D	European Climate Assessment & Dataset
ECAC	European Civil Aviation Conference
ECHAM	global climate model developed by the Max Planck Institute for Meteorology
ECRU	the Environmental Change Research Unit
EDF	European Development Fund
EEA	The European Environment Agency
EEA	The European Economic Area
EED	Energy Efficiency Directive
EEDI	Energy Efficiency Design Index

EEP	Energy and Environment Partnership
EFDB	the IPCC Emission Factor Database
EGTT	Expert Group on Technology Transfer
EIA	environmental impact assessment
EIG EUMETNET	Network of European Meteorological Services
EKOenergy	Ecolabel for electricity
EKOREM	calculation model for energy use of building stock
ELASTINEN	National project on Proactive management of weather and climate related risks
ELY Centre	Centre for Economic Development, Transport and the Environment
ENO	Environment Online
ENVIMAT	Environmental impacts of material flows caused by the Finnish economy
ENVISAT	an earth observation satellite (ESA)
EMEP	European Monitoring and Evaluation Programme
EO	Earth Observation
EPBD	Directive on the Energy Performance of Buildings
EPRTTR	The European Pollutant Release and Transfer Register
ERA17	Energy-Smart Built Environment 2017
ERU	emission reduction unit
ESA	European Space Agency
ESD	Effort sharing Decision
EU	European Union
EUA	European emissions allowance
EUSBSR	the EU Strategy for the Baltic Sea Region
EU ETS	EU Emissions Trading Scheme
EUMETCAL	EUMETNET training programme
EUMETSAT	The European Organisation for the Exploitation of Meteorological Satellites
EUR	euro
EUTL	European Union Transaction Log
EWENT	European Extreme Weather Risk Management
FACCE JPI	Agriculture, Food Security and Climate Change, Joint Programming Initiative
FAO	Food and Agriculture Organization of the United Nations
FFF	Finnish Foundation for Environmental Education
FFFSR	Friends of Fossil Fuel Subsidy Reform
F-gases	fluorinated greenhouse gases (HFCs, PFCs and SF <sub>6</sub> )
FICCA	Finnish Research Programme on Climate Change
FIGARE	Finnish Global Change Research Programme
FINAGE	a calculation model for economy
Finmari	National marine research infrastructure consortium
FINPAC	Finnish-Pacific Project to Reduce Vulnerability of the Pacific Island Countries' Livelihoods to the Effects of Climate Change
FISU	Finnish Sustainable Communities
FTA	The Finnish Transport Agency

GAW	Global Atmosphere Watch
FM	forest management
FMI	Finnish Meteorological Institute
FOMACOP	The Forest Management and Conservation Project
Finnfund	The Finnish Fund for Industrial Cooperation Ltd
FORBIO	research project on uncertainties, and risks to forests and forestry
FRES	Finnish Regional Emission Scenario model
FSC	Forest Stewardship Council
GCF	Green Climate Fund
GCOS	Global Climate Observing System
GDP	gross domestic product
GEF	Global Environment Facility
GEOSS	Global Earth Observation System of Systems
GFRA	Global Forest Resource Assessment
GGCA	Global Gender and Climate Alliance
GHG	greenhouse gas
GNI	gross national income
GNP	gross national product
GPCC	Global Precipitation Climatology Centre
GPG	IPCC Good Practice Guidance
GSN	GCOS Surface Network
GSOS	Global Climate Observing System
GTK	Geological Survey of Finland
GUAN	GCOS Upper-Air Network
GWP	Global warming potential
H2O	Forests and Water Research and Development Programme
ha	hectare
HDD	heating degree day
HEI	Higher Education Institution
HEI ICI	The Higher Education Institutions Institutional Cooperation Instrument
HELCOM	Baltic Marine Environment Protection Commission (the Helsinki Commission)
HFC	hydrofluorocarbons
HINKU	Carbon Neutral Municipalities project
HPC	high performance computing
HSY	Helsinki Region Environmental Services Authority
HWP	harvested wood products
IASC	International Arctic Science Committee
IBRD	International Bank for Reconstruction and Development
ICAO	International Civil Aviation Organisation
ICES	The International Council for the Exploration of the Sea
ICLEI	International Council for Local Environmental Initiatives
ICOS	Integrated Carbon Observation System

ICP IM	International Cooperative Programme on Integrated Monitoring
ICRAF	World Agroforestry Centre
ICT	information and communication technology
IDA	International Development Association
IDA-HIPC	International Development Association-Heavily Indebted Poor Countries
IDB	Inter-American Development Bank, Inter-American Investment Corporation and Multilateral Investment Fund
IDB Sp.F.	Inter-American Development Fund for Special Operations
IEA	International Energy Agency
IEE	Intelligent Energy Europe
IFAD	the International Fund for Agricultural Development
IGBP	International Geosphere-Biosphere Programme
IGOs	intergovernmental organisations
IHDP	International Human Dimensions Programme
ILARI	Evaluation of impacts of climate change mitigation and climate policy measures on the transport sector (a research project)
ILMAPUSKURI	Improving resilience to climate change and variation induced risks in agriculture (a research project)
ILMI	calculation model for emissions from air traffic
IMF	International Monetary Fund
IMO	International Maritime Organisation
IMPAKTI	calculation tool for emission mitigation impact of measures promoting the use of renewable energy
IMPRESSIONS	Impacts and risks from high-end scenarios: Strategies for innovative solutions
INFORES	Implementation support of results and data of first National Forest Resources Monitoring and Assessment
INOGOVI	Innovations in Climate Governance
INSPIRE	Infrastructure for Spatial Information in the European Community
IPCC	Intergovernmental Panel on Climate Change
IRM	Initial Resource Mobilisation
ISTO	Climate Change Adaptation Research Programme
ITL	Independent Transaction Log
IUFRO	International Union of Forest Research Organizations
JI	Joint Implementation
JPI	Joint Programming Initiative
JPI Climate	Connecting Climate Knowledge for Europe, Joint Programming Initiative
KASVENER	greenhouse gas and energy balance model for municipalities
KAUTE	the Kalevi Sorsa Foundation
KUJA	The continuity management of municipalities
LC	The Laboratory of Chronology
LDCF	Least Developed Countries Fund
LIDAR	Light Detection and Ranging
LIISA	calculation model for emissions from road transportation
LIPASTO	calculation system to estimate emissions from the transport sector

LNG	liquefied natural gas
Luke	Natural Resources Institute Finland
LULUCF	Land Use, Land-Use Change and Forestry
LUMA	Finland's Science Education Centre
LUOVA	natural disaster warning system
LUT	Lappeenranta University of Technology
LYNET	consortium on natural resources and environment
MAAS	smart waste management, smart minigrids and mobility as a service
MACSUR	Modelling European Agriculture with Climate Change for Food Security
MARISPLAN	Marine Spatial Planning in a Changing Climate
MATO	the Research Programme for Environmental impacts of agriculture
MAVERICK	Map-based Assessment of Vulnerability to Climate Change Employing Regional Indicators
MCCF	Multilateral Carbon Credit Fund
MEA	multilateral environmental agreement
MEDITATION	Adaptation Platform for For climate change adaptation methods and tools
MEERI	a calculation model for emissions from waterborne transport
MELA	forest inventory-based projection system
MEPS	minimum energy performance standards
MERMAID	Innovative Multi-purpose off-shore platforms: planning, Design and operation
METSO	Forest Biodiversity Programme for Southern Finland 2008–2025
MIGA	Multilateral Investment Guarantee Agency
MM	Mobility Management
MMR	Monitoring Mechanism Regulation
MONIMET	a project about Climate Change Indicators and Vulnerability of Boreal Zone Applying Innovative Observation and Modeling Techniques
MOOC	the Massive Open Online Course
Motiva	company which promotes the efficient and sustainable use of energy and materials
MW	megawatt
N	nitrogen
N <sub>2</sub> O	nitrous oxide
NAFORMA	National Forest Resources Monitoring and Assessment
NASA	National Aeronautics and Space Administration
NCF	Nordic Climate Facility
NCoE	Nordic centres of Excellence
NDF	Nordic Development Fund
NEEAP	National Energy Efficiency Action Plan
NEFCO	Nordic Environmental Financing Corporation
NEMO	Model for ocean climate research
New Energy	The programme on energy transition
NFI	National Forest Inventory
NFMA	National Forest Monitoring and Assessment program

NFS	National Forest Strategy
NGO	non-governmental organization
NFP	National Forest Programme Facility
NHMS	National Hydro-Meteorological Service
NIR	National Inventory Report
NMHS	national meteorological and hydrological service
NMVOC	non-methane volatile organic compound
NOAK	The Nordic Working Group for Global Climate Negotiations
NORDRESS	Nordic center of Excellence on Resilience Societal Security
NSIDC	National Snow and Ice Data Center
NSS	North-South-South
NZEB	Nearly zero-energy regulations for new buildings
O3SAF	Satellite Application Facility on Ozone & Atmospheric Chemistry Monitoring
ODA	official development assistance
OECD	Organisation for Economic Cooperation and Development
OECD DAC	OECD Development Assistance Committee
OPAL-Life	Optimizing agricultural land use to mitigate climate change
OPENNESSs	Operationalisation of natural capital and ecosystem services
OPERA	Operational Programme for the Exchange of Weather Radar Information
OPTICA	Beyond Carbon – Climate Change Mitigation by Optimizing Forest Management for Timber, Carbon and Albedo (a research project funded by the Academy of Finland)
PaMs	Policies and Measures
PCF	World Bank's Prototype Carbon Fund
PFA	Participatory Sustainable Forest Management
PFC	perfluorocarbons
PISA	Programme for International Student Assessment
PJ	petajoule
PLUMES	Pathways Linking Uncertainties in Model Projections of Climate and its Effects
POLIREM	calculation model for energy use of building stock
PPP	public-private partnerships
PROVIA	The Programme of Research on Climate Change Vulnerability, Impacts and Adaptation
PSD	private sector development
PSFM	Participatory Sustainable Forest Management
QA	quality assurance
QC	quality control
R&D	research and development
RAILI	calculation model for emissions from railways
RCE	Regional Centre of Expertise
RCs	Regional Councils
RD&D	research, development and demonstration
RE	renewable energy

RECAST	project to improve forecasting methodology for extreme weather event frequencies
RECLAIM	Redefining energy and climate policies in least developed countries
REDD	Reducing Emissions from Deforestation and Forest Degradation
REMA	a model for forecasting the development of energy consumption in the building stock
REMO	The regional climate model
RMU	removal unit
SAON	Sustaining Arctic Observing Networks
SCCF	Special Climate Change Fund
SEEMP	Ship Energy Efficiency Management Plan
SELECT	Environmental Pathways for Sustainable Energy Services
SF6	sulphur hexafluoride
SFM	Sustainable Forest Management
SGT Programme	Sustainable Global Technologies Programme
SHOCS	Strengthening Hydrometeorological Operations and Services in Caribbean SIDS (a capacity building project)
SIDS	Small Island Developing States
SIETO	Weather- and Climate assessment and procedures (project)
Sitra	Finnish Innovation Fund
SMEs	small and medium-sized enterprises
SMHI	the Swedish Meteorological and Hydrological Institute
SOOP	The so-called ship of opportunity
SOPEUTUMISENTILA	State of Adaptation Assessment project
SPEK	The Finnish National Rescue Association
SPREP	Secretariat of the Pacific Regional Environmental Programme
SSWSS	Severe Storm Warning Service for Sri Lanka
StreFoMon	Strengthening Research Capacity for Sustainable Forest Management in Mongolia
SUCCEED	Sustainable Climate Change and Energy Education Development
SUFORD	Sustainable Forestry for Rural Development project
SWIPA	Snow, Water, Ice and Permafrost in the Arctic (a report)
Trafi	Finnish Transport Safety Agency
THL	the National Institute for Health and Welfare
TUKES	Finnish Safety and Chemicals Agency
SYKE	Finnish Environment Institute
TEC	Technology Executive Committee
Tekes	Finnish Funding Agency for Technology and Innovation
TEM	the Ministry of Economic Affairs and Employment
TERI	The Nordic office of the Energy and Resources Institute
TF	Trust Fund
Tg	teragram
TGF	Testing Ground Facility
TJ	Terajoule
TOC	total organic carbon



ToPDad	The Tool-supported policy development for regional adaptation
TPES	total primary energy supply
TRI	the Top-level Research Initiative
TWh	terawatt hour
UAS	universities and universities of applied sciences
UEF	University of Eastern Finland
UHEL	the University of Helsinki
UNECE	United Nations Economic Commission for Europe
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFCCC	United Nations Framework Convention on Climate Change
UniPID	Finnish University Partnership for International Development
UNISDR	United Nations Office for Disaster Risk Reduction
UNUWIDER	The United Nations University World Institute for Development Economics Research
VAHTI	Compliance Monitoring Data System
VATT	The Government Institute for Economic Research
VATTAGE	Dynamic, applied general equilibrium model of VATT
VITRI	Viiikki Tropical Resources Institute
VTT	Technical Research Centre of Finland
WAM	With Additional Measures
WB	World Bank
WBJTF	
WCRP	World Climate Research Programme
WEDO	The Women Delegates Fund
WIDER	World Institute for Development Economics Research
WGE	Working Group on Environment
WM	with measures
WMO	World Meteorological Organization
WOM	without measures
WT	water table level
WWF	the World Wide Fund for Nature
VR	Finnish Railways
YLE	the Finnish public broadcasting company
YASSO	a model for estimating carbon stock changes in forest soils