

Annex II: Acronyms

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Annex II Acronyms

3-NOP	3-Nitrooxypropanol	CAFO	Concentrated Animal Feeding Operations
A/F	Afforestation/Reforestation	CAMPA	Compensatory Afforestation Management and
ABC	Low Carbon Agriculture Plan		Planning Authority
ABM	Agent-Based Model	CATDDO	Catastrophe Risk Deferred Drawdown Option
ADB	Asian Development Bank	СВА	Community-based Adaptation/Cost Benefit Analysis
AerChemMIP	Aerosol Chemistry Model Intercomparison Project	CBD	United Nations Convention on Biodiversity
AFOLU	Agriculture, Forestry and Other Land Use	CC	Carbon Capture
AgMIP	Agricultural Model Intercomparison and	CCS	Carbon dioxide Capture and Storage
	Improvement Project	CCA	Climate Change Adaptation
AGRA	Alliance for a Green Revolution in Africa	CCAFS	CGIAR Research Program on Climate Change, Agriculture and Food Security
Al	Aridity Index	CCN	Cloud Condensation Nuclei
АМО	Atlantic Multi-decadal Oscillation	CCRIF	Caribbean Catastrophe Risk Insurance Facility
AR	Afforestation and Reforestation		·
AR5	Fifth Assessment Report	CCS	Carbon Capture and Storage
ARC	Africa Risk Capacity	CCU	Carbon Capture and Usage
ARM	Adaptive Risk Management	CDM	Clean Development Mechanism
ASF	Animal Sourced Foods	CDP	Carbon Disclosure Project
AVHRR	Advanced High Resolution Radiometer	CDR	Carbon Dioxide Removal
AWD	Alternate Wetting and Drying	CEA	Cost Effectiveness Analysis
BAPEN	British Association for Parenteral and Enteral Nutrition	CEC	Commission of the European Communities
		ÇEMGM	Conservation Reserve Program
BAU	Business as Usual	CEN-SAD	The Community of Sahel-Saharan States
ВС	Biochar	CFS	Committee on World Food Security
ВС	Black Carbon	CGIAR-	Consultative Group on International Agricultural Research
BCR	Benefit Cost Ratio	CGRA	Coordinated Global and Regional Assessment
BE	Bioenergy	CH ₄	Methane
BECCS	Bioenergy with Carbon Capture and Storage	CHP	Combined Heat and Power
BEFM	Bio-Economic Farm Model	CHIRPS	Climate Hazards Group Infrared Precipitation
BEST	Berkeley Earth Surface Temperature	CHIRFS	with Station
BPE	Biomass Production Efficiency	СНМІ	Czech Hydrometeorological Institute
BrC	Brown Carbon	СНР	Combined Heat and Power
BTV	Blue-Tongue Virus	CI	Confidence Interval
BUR	Biannual Update Report	CIAT	International Centre for Tropical Agriculture
BVOC	Biogenic Volatile Organic Compounds	CIPHET	Central Institute of Post-Harvest Engineering
С	Carbon		and Technology
CA	Conservation Agriculture	CIREN	Centro de Información de Recursos Naturales
CABI	Centre for Agriculture and Bioscience	СМ	Cultured Meat
	International	CMIE	Centre of Monitoring the Indian Economy
CACILM	Central Asian Countries Initiative for Land Management	CMIP5	Coupled Model Intercomparison Project Phase 5

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CMIDS	Counted Model Intercomparison	ENCO	El Niño/Southern Oscillation
CMIP6	Coupled Model Intercomparison Project Phase 6	ENSO EPA	
СО	Carbon monoxide	ES	UN Environmental Protection Agency Ecosystem Service
CO ₂	Carbon dioxide	ESM	Earth System Models
CO ₂ e	Carbon dioxide equivalent	ESL	Extreme Sea Level
CO₂eq	Carbon dioxide equivalent	ETS	Emissions Trading Scheme
СОР	Conference of the Parties	EU	European Union
CRCM	Canadian Regional Climate Model	EU-RED	European Union Renewable Energy Directive
CRISPR	Clustered Regularly Interspaced Short	EVI	Enhanced Vegetation Index
CDD	Palindromic Repeats	EW/EA	Early Warning and Early Action
CRP	Conservation Reserve Program	EWS	Early Warning Systems
CRU	Climatic Research Unit of the University of East Anglia	FACE	Free-Air Carbon dioxide Enrichment
CRUTEM	Dataset of the Climatic Research Unit of the University of East Anglia	FAO	United Nations Food and Agricultural Organisation
CRV	Climate Resilient Villages	FAO-FRA	FAO Global Forest Resources Assessment
CSA	Climate Smart Agriculture	FAOSTAT	FAO Database
CSO	Civil Society Organisation	FAQ	Frequently Asked Questions
CSV	Climate Smart Village	Fe	Iron
DALY	Disability-Adjusted Life-Year	FF	Fossil Fuel
DERM	Department of Environment and Resource Management, India	FIES	Food Insecurity Experience Scale
		fNRB	fraction of Non-Renewable Biomass
DESIRE	Desertification Mitigation and Remediation of Land	FRA	Forest Rights Act (India)
DGVM	Dynamic Global Vegetation Model	FSC	Forest Stewardship Council
DJF	December-January-February	FWL	Food Waste and Loss
DMP	Dust Mass Path	GATT	General Agreement on Tariffs and Trade
DRM	Disaster Risk Management	GBEP	Global Bioenergy Partnership
DOD	Dust Optical Depth	GCF	Green Climate Fund
DRR	Disaster Risk Reduction	GCM	Global Climate Model or General Circulation Model
EBA	Ecosystem Based Adaptation	GCP	Global Carbon Project
EC	Elemental Carbon or European Commission	GDEWS	Global Drought Early Warning System
ECA	European Court of Auditors	GDP	Gross Domestic Product
EDGAR	Emissions Database for Global Atmospheric Research	GE	Government Effectiveness or General Equilibrium
EEA	European Environment Agency	GEF	Global Environmental Facility
EF	Emission Factor	GFCS	Global Framework for Climate Services
EFSA	European Food Safety Authority	GFED	Global Fire Emissions Database
EFT	Ecological Fiscal Transfer	GFGP	Conversion of Cropland to Forests and
ELD	Economics of Land Degradation or Economics of Land Degradation Initiative		Grasslands Program (Grain for Green Programme)
EM-DAT	International Disaster Database	GGCM	Global Gridded Crop Models

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Gha	Gigahectares	IAM	Integrated Assessment Model
GHCN	Global Historical Climatology Network	ICARDA	International Center for Agriculture Research
GHG	Greenhouse Gas		in the Dry Areas
GHGE	Greenhouse Gas Emissions	ICCC	International Conference on Climate Change
GHGI	Greenhouse Gas Inventory	ICOS	Integrated Carbon Observation System
GIAHS	Globally Important Agricultural Heritage Site	ICPAC	IGAD Climate Prediction and Applications Centre
GIEWS	FAO Global Information and Early Warning System	ICSU	International Council for Science
GIMMS3g	Global Inventory Modelling and Mapping	ICT	Information and Communication Technology
CICTEMP	Studies	ICTP	International Centre for Theoretical Physics
GISTEMP	Goddard's Global Surface Temperature Analysis	IEA	International Energy Agency
GIZ	German Society for International Cooperation	IFAD	International Fund for Agricultural Development
GJ	Gigajoules	IFPRI	International Food Policy Research Institute
GLASOD	Global Assessment of Human-Induced Soil	IGAD	Intergovernmental Authority on Development
	Degradation	IHME	Institute for Health Metrics and Evaluation
GLASS	Global Land Atmosphere System Study	IK	Indigenous Knowledge
GLOBIOM	GLObal BIOsphere Management model	ILK	Indigenous and Local Knowledge
GLOF	Glacial Lake Outburst Floods	iLUC	indirect Land Use Change
GLOMAP	Global Model of Aerosol Processes Genetically Modified	IMAGE	Integrated Model to Assess Global Environment
GMO	Genetically Modified Organism	INDC	Intended Nationally Determined Contribution
GMSL	Global Mean Sea Level	INPE	Instituto Nacional de Pesquisas Espaciais
GMST	Global Mean Surface Temperature		(National Institute for Space Research)
GMT	Global Mean Temperature	IOD	Indian Ocean Dipole
GNR	Global Nutrition Report	IPBES	Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services
GPP	Gross Primary Productivity/Gross Primary Production	IPCC	Intergovernmental Panel on Climate Change
GWP		IPO	Inter-decadal Pacific Oscillation
GWP Ha	Global Warming Potential Hectares	IQR	Interquartile Range
	Hydrogen	IRD	Integrated Rural Development
H ₂ HadCM3	Hadley Centre Coupled Model, version 3	ISEAL	ISEAL Alliance (International Social and
HANPP	Human Appropriation of Net Primary		Environmental Accreditation and Labelling Alliance)
НАРРІ	Production Half a degree Additional warming, Projections, Prognosis and Impacts	ISO	International Organization for Standardization
		ITPS	Intergovernmental Technical Panel on Soils
HDI	Human Development Index	ITRDB	International Tree Ring Data Bank
HEI	Healthcare Environment Inspectorate	IUCN	International Union for Conservation of Nature
ННР	High Hydrostatic Pressure	IWAI	Inland Waterways Authority of India
НКН	Hindu-Kush Himalayan	IWM	Integrated Watershed Management
HLPE	High Level Panel of Experts	JJA	June-July-August
HYDE	History Database of the Global Environment		zanz zanj riagaze

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K	Potassium	MERIS	Medium Resolution Imaging Spectrometer
km	Kilometres	MESSAGE	Model for Energy Supply Systems And their
kt	Kilotonnes		General Environmental impact
kWh	Kilowatt hours	MFS	Microfinance Services
L	Litres	Mha	Megahectare
LADA	Land Degradation Assessment in Drylands	MIRWH	Mechanized Micro Rainwater Harvesting
LAI	Leaf Area Index	MJ	Megajoules
LAPA	Local Adaptation Plan of Action	MND	Micro Nutrient Deficiency
LCA	Lifecycle Analysis/Life-Cycle Assessment	MODIS	Moderate Resolution Imaging Spectroradiometer
LCC	Land-Cover Conversions	MOFPI	Ministry of Food Processing Industries
LCCS	Land Cover Classification System	MRV	Monitoring, Reporting and Verification
LDC	Least Developed Countries	MSA	Mean Species Abundance
LDN	Land Degradation Neutrality	Mt	Megatonnes
LED	Low Energy Demand	MTOE	Million Tonnes of Oil Equivalent
LGP	Length of Growing Period	N	Nitrogen
Lidar	Light Detection and Ranging	N ₂ O	Nitrous Oxide
LIMCOM	Limpopo Watercourse Commission	NAMA	Nationally Appropriate Mitigation Action
LK	Local Knowledge	NAP	National Adaptation Plan
LM	Land Management	NAPA	National Adaptation Program of Action
LMIC	Low- and Middle-Income Country	NARC	Nepal Agricultural Research Council
LPG	Liquified Petroleum Gas	NASA/GISS	US National Aeronautics and Space
LSAT	Land Surface Air Temperature		Administration
LSLA	Large-Scale Land Acquisition	NBS	Nature Based Solutions
LTKA	Local and Traditional Knowledge	NCE	New Climate Economy
IIIC	in Agriculture Land Use Change	NCD	Non-Communicable Diseases
LUC LUH2	Harmonised Land Use Change Data	NCP	Nature's Contributions to People
LULCC	Land Use Land Cover Change	NDC	Nationally Determined Contribution
LULUCF	Land Use, Land Use Change and Forestry	NDVI	Normalised Difference Vegetation Index
MA	Millennium Ecosystem Assessment	NENA	Near East and North Africa
MAC	Marginal Abatement Cost	NEON	National Science Foundation's National Ecological Observatory Network
MACC	Marginal Abatement Cost Curve	NEP	National Energy Programme
MAgPIE	Model of Agricultural Production and its	NET	Negative Emission Technology
WAYFIE	Impact on the Environment	NFPP	National Forest Protection Program
MAM	March-April-May	NGO	Non-Governmental Organisation
MAR	Managed Aquifer Recharge	NH ₃	Ammonia
MCF	Methyl Chloroform	NIAB	National Institute of Agricultural Botany
MCS	Mesoscale Convective Systems	NOAA	US National Oceanic and Atmospheric
MEA	Millennium Ecosystem Assessment		Administration

MED

Middle Eastern Dust Storms

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NOAA AVHRR	US National Oceanic and Atmospheric Administration Advanced Very High Resolution Radiometer	PPCDAm	Interministerial Plan of Action for Prevention and Control of Deforestation of the Legal Amazon
A	US National Oceanic and Atmospheric Administration Earth System Research Laboratory	PPI	Plant Phenology Index
		PRIMAP	Potsdam Real-time Integrated Model for the probabilistic Assessment of emission Paths
NPP	Net Primary Production/Net Primary Productivity	RAP	Representative Agricultural Pathways
NPV	Net Present Value	RCM	Regional Climate Models
NRC	National Research Council	RCP	Representative Concentration Pathway
NRDC	Natural Resources Defence Council	REDD	Reducing Emissions from Deforestation and
NTFP	Non-Timber Forest Product	DEDD.	Degradation
NUS	Neglected and Underutilised Species	REDD+	Reducing Emissions from Deforestation and Degradation and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in
02	Oxygen		
0 ₃	Ozone		developing countries
ос	Organic Carbon	RegCM	Regional Climate Model
OECD	Organisation for Economic Co-operation and Development	REMIND	REgional Model of INvestments and Development
ОН	Hydroxyl Radical	REN21	Renewable Energy Policy Network for
ORCHIDEE	Organising Carbon and Hydrology In Dynamic Ecosystems	RF	the 21st Century Radiative Forcing
oss	Sahara and Sahel Observatory	RESTREND	Residual Trends
P	Precipitation or Phosphorus	RIL	Reduced Impact Logging
PAF	Pilot Auction Facility	ROSCA	Rotating Saving and Credit Association
PAGGW	Pan-African Agency of the Great Green Wall	RPDS	Research Program on Dryland Systems
РАН	Polycyclic Aromatic Hydrocarbon	RUE	Rain Use Efficiency
PAYT	Pay As You Throw	RUSLE	Revised Universal Soil Loss Equation
PBAP	Primary Biological Aerosol Particles	RVI	Reconstructed Vegetation Index
PCP	Precipitation	RWH	Rainwater Harvesting
PCRAFI	Pacific Catastrophe Risk Assessment and	RX1day	Annual Maximum 1-day Precipitation
	Financing Initiative Programme for the Endorsement of Forest Certification	SAH	Sahara
PEFC		SAS	South Asia
PES	Payment for Environmental Services/Payment for Ecosystem Services	SAT	Surface Air Temperature
		SCC	Social Cost of Carbon
PET	Potential Evapotranspiration	SD	Standard Deviation or Sustainable
PHL	Post Harvest Losses	SDG	Development Sustainable Development Goal
PICS	Purdue Improved Crop Storage	SDS-WAS	Sand and Dust Storm Warning Advisory and
PM	Particulate Matter	JUJ-WAJ	Assessment System
PM2.5	Particulate matter with size less than 2.5 μm	SERFOR	National Forest Service and Wildlife Authority
PoU	Prevalence of Undernourishment	SES	Socio-Ecological Systems
PPA	Power Purchase Agreements	SFM	Sustainable Forest Management

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SFSC Shortening Food Supply Chain **TSS Time Series Segmentation** SI Sustainable Intensification UGI Urban Green Infrastructure SIB State Investment Bank UHI Urban Heat Island **SICAR** National Land Registry System **UNCBD** United Nations Convention on Biodiversity **SIDS UNCCD United Nations Convention to Combat Small Island Developing States** Desertification **SLCF** Short-Lived Climate Forcer **UNCED United Nations Conference on Environment SLCP** Short Lived Climate Pollutant and Development **SLM** Sustainable Land Management **UNCTAD** United Nations Conference on Trade and SM Supplementary Materials Development Sulfur dioxide **SO**, **UNDP United Nations Development Programme SOA** Secondary Organic Aerosols **UN-EMG UN Environment Management Group** SOC Soil Organic Carbon **UNEP United Nations Environment Programme SOFI** The State of Food Security and Nutrition **UNEP-GEF UN Environment Global Environment Facility** in the World UNFCCC United Nations Framework Convention on **SOM** Soil Organic Matter Climate Change SON September-October-November United Nations Children's Fund UNICEF **SPOT VGT** Satellite Pour l'Observation de la Terre **UNISDR UN Sendai Framework for Disaster Risk** Vegetation (Satellite for the Observation Reduction of the Earth Vegetation) **UN-REDD** United Nations Collaborative Programme on **SR15** IPCC Special Report on Global Warming Reducing Emissions fom Deforestation and of 1.5°C Forest Degradation in Developing Countries **SRCCL** IPCC Special Report on Climate Change **UPAF** Urban and Peri-urban Agriculture and Forestry and Land **USAID** United States Agency for International **SRES IPCC Special Report on Emission Scenarios** Development **SREX** IPCC Special Report on Managing the Risks **USD United States Dollars** of Extreme Events and Disasters to Advance **USDA** United States Department of Agriculture Climate Change Adaptation **USEPA United States Environmental Protection SR-LULUCF** IPCC Special Report on Land Use, Land-Use Agency Change and Forestry **UTFI** Underground Taming of Floods for Irrigation **SROCC** IPCC Special Report on the Ocean Cryosphere and Climate Change UV Ultraviolet **SSP** Shared Socio-economic Pathways **VGGT** Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries **SSSA** Soil Science Society of America and Forests in the Context of National **SST** Sea Surface Temperature **Food Security SWAT** Soil and Water Assessment Tool VOC Volatile Organic Compound **SWC** Soil and Water Conservation **VOD** Vegetation Optical Depth **SYR IPCC Synthesis Report** With w/ Tonnes Without w/o **TCR** Transient Climate Response W Watts **TEEB** The Economics of Ecosystems and Biodiversity West Africa WΔF Tg Teragrams WaTEM/SEDEM Spatially distributed sediment delivery model combining the WaTEM and SEDEM models

Acronyms

TS

Technical Summary

WBA World Bioenergy Association

WBCSD World Business Council for Sustainable

Development

WEF World Energy Council
WEF World Economic Forum
WEO World Energy Outlook

WEPP Water Erosion Prediction Project

WET Wetland Extent Trends
WFP World Food Programme
WGI IPCC Working Group I
WGII IPCC Working Group II
WGIII IPCC Working Group III
WHO World Health Organisation

WMO World Meteorological Organisation

WOCAT World Overview of Conservation Approaches

and Technologies

WRI World Resources Institute

WSOA Water Soluble Organic Compounds

WTO World Trade Organisation

WUE Water Use Efficiency

yr Year

ZNLD Zero Net Land Degradation