

## Acronyms

3R	Water Recharge, Retention and Reuse
ACSAD	Arab Center for the Studies of Arid Zones and Drylands
ACTS	African Centre for Technology
AfSIS	Africa Soil Information Services
AGRA	Alliance for a Green Revolution in Africa
AIT	Asian Institute of Technology
AMAZ	Reconstruction of Eco-efficient Landscape in Amazonia
APFAMGS	Andhra Pradesh Farmer Managed Groundwater System
AQUASTAT	FAO's global information system on water and agriculture
ARC	Agricultural Research Center
ARI	advanced research institute
ASARECA	Association for Strengthening Agricultural Research in Eastern and Central Africa
AVRDC	World Vegetable Center
AWADI	Alternate Wet and Dry Irrigation
AWF	African Wildlife Foundation
BMZ	Federal Ministry for Economic Cooperation and Development
BORDA	Bremen Overseas Research and Development Association
CA	Comprehensive Assessment of Water Management in Agriculture
CAAS	Chinese Academy of Agricultural Sciences
CABI	CAB International
CARE	Cooperative for Assistance and Relief Everywhere
CC	climate change
CGIAR	Consultative Group on International Agricultural Research
CGWB	Central Ground Water Board
CIAT	International Center for Tropical Agriculture
CIAT	International Center for Tropical Agriculture
CIESIN	Center for International Earth Science Information Network
CIP	International Potato Center
CONDESAN	Consortium for sustainable development of the Andean ecoregion
CPWF	Challenge Programme on Water and Food
CREPA	Centre Régional pour l'Eau Potable et l'Assainissement à faible coût
CRP	Consortium Research Program
CSI	CGIAR Consortium for Spatial Information
CSIR	Council for Scientific and Industrial Research
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CSM-BGBD	Conservation and Sustainable Management of Below Ground Biodiversity
CSO	civil-society organization
CWANA	Central and West Asia and North Africa
DALY	disability-adjusted life years
DANIDA	Danish International Development Agency
DEWATS	Decentralized Wastewater Treatment Systems

DFID	Department for International Development
DPU	Development Planning Unit
EMBRAPA	Brazilian Agricultural Research Corporation
ESA	European Space Agency
ESPA	Ecosystems Services and Poverty Alleviation
ET	evapotranspiration
FAO	Food and Agricultural Organisation
GAAS	Guizhou Academy of Agricultural Sciences
GCSAR	General Commission for Scientific Agricultural Research
GEF	Global Environmental Facility
GEOSS	Global Earth Observation System of Systems
GIS	geographical information systems
GLADIS	Global Land Degradation Information
GLASOD	Global Assessment of Human-Induced Soil Degradation
GMES	Global Monitoring for Environment and Security
IAAST	International Assessment of Agricultural Science and Technology
ICAR	Indian Council of Agricultural Research
ICARDA	International Center for Agricultural Research in the Dry Areas
ICBA	International Center for Biosaline Agriculture
ICRAF	World Agroforestry Centre
ICRISAT	International Crop Research Institute for Semi Arid Tropics
IDRC	International Development Research center
IFDC	International Fertiliser Development Center
IFPRI	International Food Policy Research Institute
IHE	Institute for Water Education
IITA	Agricultural Research-for-development in Africa
ILRI	International Livestock Research Institute
IMT	Irrigation Management Transfer
IPTRID	International Programme for Technology and Research in Irrigation and Drainage
IRC	International Water and Sanitation Centre
IRRI	International Rice Research Institute
ISRIC	International Soil Reference and Information Centre
ISFM	Integrated Soil Fertility Management
ITC	The International Institute for Geo-Information Science and Earth Observation
IUCN	International Union for Conservation of Nature
IWA	International Water Association
IWMI	International Water Management Institute
IWMI	International Water Management Institute
IWRM	Integrated Water Resources Management
JRC	Joint Research Centre
LSHTM	London School of Hygiene and Tropical Medicine
MAR	Managed Aquifer Recharge
MASSMUS	Mapping systems and Services for Multiple Uses
MFA	Material Flow Analysis

MIS	management information system
MP	Mega Programme
MUS	Multiple Use Systems
NARES	National Agricultural Research and Extension Systems
NASA	National Aeronautics and Space Administration
NEPAD	New Partnership for Africa's Development
NERC	Natural Environment Research Council
NGO	nongovernmental organisation
NGRI	National Geophysical Research Institute
NPK	nitrogen, phosphorus, potassium
NRM	natural resource management
NWRC	National Water Research Center
O&M	operation and maintenance
ODC	Open Data Commons
PDR	People's Democratic Republic
PES	Payment for Environmental Services
PIM	Participatory Irrigation Management
PRADAN	Professional Assistance for Development Action
QMRA	Quantitative Microbial Risk Assessment
QSMAS	Quesungual Slash-and-Mulch Agroforestry System
R&D	research and development
RAP	Rapid Appraisal Procedure
RCMRD	Regional Center for Mapping of Resources for Development
RIMISP	Latin American Center for Rural Development
RS	remote sensing
RUAF	Resource Centres on Urban Agriculture and Food Security
SANDEC/ EAWAG	Department of Water and Sanitation in Developing Countries at the Swiss Federal Institute of Aquatic Science and Technology
SE	South East
SEA	Strategic Environmental Impact Assessment
SGRP	System-wide Genetic Resources Programme
SPS	Samaj Pragati Sahyog
SRI	System of Rice Intensification
SSA	sub-Saharan Africa
SuSanA	Sustainable Sanitation Alliance
SWM	Soil and Water Management
TSBF	Tropical Soil Biology and Fertility Programme
UK	United Kingdom
UN	United Nations
UNDP	United Nations Development Programme
UNEP	United Nations Environmental Program
USA	United States of America
USAID	United States Agency for International Development
USAID	United States Agency for International Development
USBR	United States Bureau of Reclamation
USD	United States Dollars

USGS	United States Geological Survey
VSF	Vétérinaires Sans Frontières
WAU	Wageningen University
WCRP	World Climate Research Programme
WEDC	Water, Engineering and Development Centre
WHO	World Health Organisation
WISP	World Initiative for Sustainable Pastoralism
WRI	World Resources Institute
WUA	Water Users' Association
WUR	Wageningen University
WWAP	World Water Assessment Programme