

Staff technical paper series
Information and Communications Technology and
Disaster Risk Reduction Division

Geospatial tools to support the implementation of the Sustainable Development
Goals in Asia and the Pacific: the drought riskscape and the Regional Drought
Mechanism

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Abbreviations

ADPC	Asian Disaster Preparedness Center
AMIS	Agricultural Market Information System
ARTSA	ASEAN Research and Training for Space Technology and Applications
ASI	Agricultural Stress Index
ASIS	Agricultural Stress Index System
ASEAN	Association of Southeast Asian Nations
AWiFS	Advanced Wide Field Sensor
BP EL	Business Process Execution Language
CADMS	Central Asia Drought Monitoring Information System
CAS	Chinese Academy of Sciences
CAS-TWAS	Chinese Academy of Sciences - World Academy of Sciences
CDI	Combined Drought Index
CropWatch	Global Crop Monitoring System
CSISS	Centre for Spatial Information Science and Systems
DEWS	Drought Early Warning System
DMH	Department of Meteorology and Hydrology
DMS	Drought Monitoring System
EDI	Effective Drought Index
EOS	End of Season
EOSDIS	Earth Observing System Data and Information System
ESA	European Space Agency
ESCAP	United Nations Economic and Social Commission for Asia and the Pacific
FAO	Food and Agriculture Organization of the United Nations
FEWS	Famine Early Warning System
FEWS NET	Famine Early Warning Systems Network
G20	Group of Twenty
GADMFS - CSISS	Global Agricultural Drought Monitoring and Forecasting System - Centre for Spatial Information Science and Systems
GEF	Global Environment Facility
GEOGLAM	Group on Earth Observations Global Agricultural Monitoring Initiative
GIBS	Global Imagery Browse Services
GIEWS	Global Information and Early Warning System
GIS	Geographic Information System
GISTDA	Geo-Informatics and Space Technology Development Agency
GMS	Greater Mekong Subregion
GNSS	Global Navigation Satellite Systems
GPCC	Global Precipitation Climatology Centre
GSMaP	Global Satellite Mapping of Precipitation
IDSI	Integrated Drought Severity Index
IRIMHE	Information and Research Institute of Meteorology, Hydrology and Environment
ISRO	Indian Space Research Organization

IWA	International Water Association
IWMI	International Water Management Institute
JAXA	Japan Aerospace Exploration Agency
JECAM	Joint Experiment for Crop Assessment and Monitoring
JMA	Japan Meteorological Agency
KBDI	Keetch-Byram Drought Index
MAFF	Ministry of Agriculture, Forestry and Fisheries
MOE	Ministry of Environment
MOWRAM	Cambodian Ministry of Water Resources and Meteorology
MTSAT	Japanese Meteorological Satellite
NADAMS	National Agricultural Drought Assessment and Monitoring System
NASA	National Aeronautics and Space Administration
NCDM	National Committee for Disaster Management
NDDI	Normalized Difference Drought Index
NDVI	Normalized Difference Vegetation Index
NDWI	Normalized Difference Wetness Index
NESDIS	National Environmental Satellite, Data and Information Service
NOAA	National Oceanic and Atmospheric Administration
NRSC	Mongolian National Remote Sensing Centre
PCI	Precipitation Condition Index
PDSI	Palmer Drought Severity Index
PhD	Doctor of Philosophy
RADI	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences
RAPP	Rangeland and Pasture Productivity
RDCYIS	Regional Drought and Crop Yield Information System
RESAP	Regional Space Applications Programme for Sustainable Development
SADMS	South Asia Drought Monitoring System
SASI	Shortwave Angle Slope Index
SDGs	Sustainable Development Goals
SFDRR	Sendai Framework for Disaster Risk Reduction
SMAP	Soil Moisture Anomaly Percentage
SMDI	Soil Moisture Deficit Index
SMI	Soil Moisture Index
SOA	Service Oriented Architecture
SOS	Start of Season
SPEI	Standardized Precipitation Evapotranspiration Index
SPI	Standardized Precipitation Index
STAR	Satellite Applications and Research
SWI	Soil Water Index
TCI	Temperature Condition Index
ToT	Training of Trainers
UN	United Nations
UNEP	United Nations Environment Programme
UNOCHA	United Nations Office for the Coordination of Humanitarian Affairs

UNOSAT	United Nations Operational Satellite Applications Programme
USAID	United States Agency for International Development
USDM	United States Drought Monitor
USGS	United States Geological Survey
VCI	Vegetation Condition Index
VHI	Vegetation Health Index
VSWI	Vegetation Supply Water Index
WMO	World Meteorological Organization

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