

Water Resources Development and Management

Alexandra Nauditt
Lars Ribbe *Editors*

Land Use and Climate Change Interactions in Central Vietnam

LUCCI

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Water Resources Development and Management

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Abbreviations

ABM	Agent-based model
AUC	Area under the curve
AWD	Alternate wetting and drying
BAU	Business as usual
BMBF	German Ministry of Research and Education
CBD	Convention on biological diversity
CC	Climate change
CDS	Coastal dune system
CF	Continuous flooding
CSA	Climate-smart agriculture
CV	Coefficient of variation
DARD	Department of Agriculture and Rural Development
DAWACO	Danang Water Supply Company
DBH	Diameter at breast height
DEM	Digital elevation model
DONRE	Department of Natural Resources and Environment
DSO	Danang Statistics Office
EbA	Ecosystem-based adaptation
Eco-DRR	Mangroves, ecosystem-based disaster risk reduction
EVN	Electricity Vietnam
FAO	Food and Agricultural Organization
GDP	Gross domestic product
GHG	Greenhouse gas
GIS	Geographic information system
GPS	Global positioning system
GSO	General Statistics Office of Vietnam
HRU	Hydrological response unit
IMC	Irrigation Management Company
IPCC	Intergovernmental Panel on Climate Change

ITT	Institute for Technology and Resources Management in the Tropics and Subtropics
IWRM	Integrated water resources management
LUCCi	Land Use and Climate Change Interactions in Central Vietnam
LULC	Land use land cover
MARD	Ministry of Agriculture and Rural Development of Vietnam
MONRE	Ministry of Natural Resources and Environment of Vietnam
MOST	Ministry of Science and Technology of Vietnam
NFI	National forest inventory
NGO	Non-governmental organisation
PES	Payment for ecosystem services
PPC	Provincial People's Committee
PRA	Participator rural appraisal
QSO	Quangnam Statistics Office
RBIC	Vu Gia Thu Bon River Basin Information Centre
RBIS	River Basin Information System
RCHM	Regional Centre for Hydrology and Meteorology
REDD+	Reducing emissions from deforestation and forest degradation
RS	Remote sensing
SA	Summer-autumn crop
SDG	Sustainable development goal
SLR	Sea level rise
SOC	Soil organic carbon
SWI	Saltwater intrusion
TE	Technical efficiency
TFP	Total factor productivity
UN	United Nations
UNFCCC	United Nations Framework Convention on Climate Change
VAWR	Vietnam Academy of Water Resources
VGTB	Vu Gia Thu Bon River Basin
VND	Vietnamese currency
WEF	Water-energy and food security nexus
WS	Winter-spring crop
WTP	Water treatment plant
WUO	Water user organisation
WWTP	Wastewater treatment plant

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