

1. Record Nr.	UNINA9910437949003321
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Titolo	Evaporation and evapotranspiration : measurements and estimations / / Wossenu Abteu, Assefa Melesse
Pubbl/distr/stampa	Dordrecht ; ; London, : Springer, 2012
ISBN	1-283-63407-4 9786613946522 94-007-4737-3
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (218 p.)
Altri autori (Persone)	MelesseAssefa M <1966-> (Assefa Mekonnen)
Disciplina	551.572
Soggetti	Evaporation Evapotranspiration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Meteorological Parameter Monitoring and Data Quality -- Evaporation and Evapotranspiration Measurement -- Energy Requirements of Dew Evaporation -- Vapor Pressure Calculation Methods -- Evaporation and Evapotranspiration Estimation Methods -- Wetland Evapotranspiration -- Lake Evaporation -- Reference and Crop Evapotranspiration -- Spatially Distributed Surface Energy Flux Modeling -- Crop Yield Estimation Using Remote Sensing and Surface Energy Flux Model -- Wetland Restoration Assessment using Remote Sensing and Surface Energy Budget Based Evapotranspiration -- Climate Change and Evapotranspiration.
Sommario/riassunto	The book is a thorough presentation of theoretical and applied aspects of the evaporation and evapotranspiration process supported by data from experimental studies. It is written in a way that the theoretical background of evaporation and evapotranspiration estimation is presented in a simplified manner, comprehensive to most technical readers. Part of the book deals with details of meteorological parameters and monitoring sensors which are needed for estimating evaporation and evapotranspiration. Errors in meteorological parameter measurements are also presented. Estimation errors, strengths, weaknesses and applicability of a wide range of evaporation and

evapotranspiration estimation methods are presented along with samples of application to a certain region. The book presents applications of newer, simpler methods, and a new technology: remote sensing application to evaporation and evapotranspiration estimation. The latest interest in the subject, climate change and evapotranspiration is discussed in the last chapter. This book will be beneficial to students, hydrologists, engineers, meteorologists, water managers and others.
