

1. Record Nr.	UNINA9910366630303321
Titolo	Stewardship of Future Drylands and Climate Change in the Global South : Challenges and Opportunities for the Agenda 2030 // edited by Simone Lucatello, Elisabeth Huber-Sannwald, Ileana Espejel, Natalia Martínez-Tagüeña
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-22464-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXVI, 359 p. 74 illus., 65 illus. in color.)
Collana	Springer Climate, , 2352-0701
Disciplina	577.27 630.9154
Soggetti	Ecology Sustainability Climatology Agriculture Biotic communities Environmental Sciences Climate Sciences Ecosystems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1 -- The construction and destruction of successful agricultural lands: case study of viticultural areas in Northern Mexico. Chapter 2 -- Pastoralism and achievement of the 2030 Agenda for Sustainable Development: a missing piece of the puzzle. Chapter 3 -- Trends in the use of groundwater in dry lands of Mexico: case of a complex urbanized socio -- ecosystem of the Chihuahua desert. Chapter 4 -- The socio -- ecological systems approach to research the integrated aquifer management in an agricultural dryland in Mexico. Chapter 5 -- Assessment of climate change impact on drought and flood regime using climatological data derived from GLDAS -- 1, GLDAS -- 2, and MERRA -- 2 over semi -- arid zones of northern Mexico: analysis of temporal patterns of precipitation. Chapter 6 --

Understanding Drylands with a transdisciplinary and participatory approach: participatory observatories and the case of RISZA. Chapter 7 -- Sustainable development Goals and drylands. Chapter 8 -- Conservation and Development in the Mapimi Biosphere: a transdisciplinary and participatory project to understand climate change adaptation. Chapter 9 -- Education for sustainable development (ESD): expert net as promoter of transdisciplinarity through the SDGs. Chapter 10 -- The forced modernization of the Altiplano: disruption of the ecosystem function of the dryland zones in San Luis Potosí, Mexico. Chapter 11 -- Sustainable development in modern times: forgotten native communities in northwestern México. Chapter 12 -- Looking at the past to face the challenges for sustainable development in drylands: the protection of the biocultural heritage in the Tehuacán -- Cuicatlán Biosphere Reserve. Chapter 13 -- The Agadir Platform: a tripartite transatlantic cooperation to achieve sustainable Dryland. Chapter 14 -- The Atlas Workshops of Agdz, Morocco: a model region for a scientific -- artistic dialogue. Chapter 15 -- Drylands, aridification and land governance in Latin America: a regional geospatial perspective. Chapter 16 -- Vulnerability to the effects of climate change: coastal watersheds of arid Mexico. Chapter 17 -- Desert experts through time: traditional hunter -- gatherers from Northern Mexico and its implications for resource management and governance. Chapter 18 -- Governing drylands through Environmental Mainstreaming: how to cope with natural resources scarcity and climate change.

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#### Sommario/riassunto

This volume integrates a conceptual framework with participatory methodologies to understand the complexities of dryland socio-ecological systems, and to address challenges and opportunities for stewardship of future drylands and climate change in the global south. Through several case studies, the book offers a transdisciplinary and participatory approach to understand the complexity of socio-ecological systems, to co-produce accurate resource management plans for sustained stewardship, and to drive social learning and polycentric governance. This systemic framework permits the study of human-nature interrelationships through time and in particular contexts, with a focus on achieving progress in accordance with the 2030 United Nations Agenda for Sustainable Development. The book is divided into four main sections: 1) drylands and socio-ecological systems, 2) transdisciplinarity in drylands, 3) interculturality in drylands, and 4) the governance of drylands. Expert contributors address topics such as pastoralism and the characteristics of successful agricultural lands, the sustainable development goals and drylands, dryland modernization, and arid land governance with a focus on Mexico. The volume will be of interest to dryland researchers, sustainable development practitioners and policymakers. .

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