

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH : JURNAL ILMIAH

Judul karya ilmiah (artikel) : A Regional Perspective on Urbanization and Climate-Related Disasters in the Northern Coastal Regional of Central Java, Indonesia

Jumlah Penulis : 3 penulis

Status Pengusul : Iwan Rudiarto, **Wiwandari Handayani**, Jawoto Sih Setyono

Identitas Jurnal Ilmiah : a. Nama Jurnal : Journal Land
b. Nomor ISSN : 2073-445X
c. Vol.,no.,bulan,tahun : Vol. 7 Issue 34, 2018, hal. 1-15
d. Penerbit : MDPI
e. DOI artikel (jika ada): 10.3390/land7010034
f. Alamat web jurnal : <https://www.mdpi.com/2073-445X/7/1/34>
g. Terindeks di SJR Q2 0,717 (2019) dan SNIP 1,148 (2019)

Kategori Publikasi Jurnal Ilmiah : ☒ Jurnal Ilmiah Internasional /Internasional bereputasi
(beri ✓ pada kategori yang tepat) ☐ Jurnal Ilmiah Nasional Terakreditasi
☐ Jurnal Ilmiah Nasional /Nasional di DOAJ,CABI, COPERNICUS

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional/ internasional bereputasi 40	Nasional Terakreditasi	Nasional	
a. Kelengkapan unsur isi artikel (10%)	4			4
b. Ruang lingkup dan kedalaman pembahasan (30%)	12			11
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12			10
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12			10
Total = (100%)	40			35
Nilai = (40% x 35 : 2)				7

Catatan Penilaian artikel oleh Reviewer :

- Unsur isi artikel lengkap dan sesuai dengan petunjuk penulisan artikel (*author guidelines*) yang terdiri dari; *title, abstract, introduction, materials and methods, results and discussion, conclusions, acknowledgement, author contributions*, dan *references*. Pembahasan dalam konten artikel (IMRaDC) mencerminkan keterkaitan dengan judul yang diangkat, yaitu tentang urbanisasi dan bencana yang berhubungan dengan iklim.
- Pembahasan mendalam dengan urbanisasi yang terjadi di wilayah pesisir utara Jawa Tengah dengan adanya bencana yang disebabkan adanya perubahan iklim dilengkapi dengan beberapa kasus yang ada di negara lain dari berbagai referensi artikel jurnal. Sesuai dengan bidang ilmu penulis perencanaan wilayah dan kota terutama dalam konteks manajemen bencana wilayah pesisir utara Jawa Tengah baik pedesaan maupun perkotaan. Pembahasan hasil temuan melibatkan 26 pustaka (47%) dari artikel jurnal internasional.

- c. Artikel jurnal didukung sebanyak 55 literatur yang sebagian besar dari artikel jurnal dimana 48 di antaranya merupakan terbitan 10 tahun terakhir. Metodologi dan data cukup *up to date* dengan menggunakan data podes selama 2 periode dan analisis spasial dengan GIS.
- d. Jurnal terindeks Scopus dengan SJR = 0,717 yang diterbitkan oleh *Multidisciplinary Digital Publishing Institute* (MDPI) dan tersedia online. Jurnal *open access* dan berbayar dimana proses sumbisi sampai diterima memakan waktu sekitar 2 bulan. Jurnal ber-ISSN dan dilengkapi dengan DOI.

Semarang, 12-04-2020

Reviewer 1,



Prof. Dr.rer.nat. Imam Buchori, ST
NIP. 197011231995121001
Departemen PWK, FT. Undip

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH : JURNAL ILMIAH

Judul karya ilmiah (artikel) : A Regional Perspective on Urbanization and Climate-Related Disasters in the Northern Coastal Regional of Central Java, Indonesia

Jumlah Penulis : 3 penulis

Status Pengusul : Iwan Rudiarto, **Wiwandari Handayani**, Jawoto Sih Setyono

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Journal Land
- b. Nomor ISSN : 2073-445X
- c. Vol.,no.,bulan,tahun : Vol.7 Issue 34, 2018, hal. 1-15
- d. Penerbit : MDPI
- e. DOI artikel (jika ada): 10.3390/land7010034
- f. Alamat web jurnal : <https://www.mdpi.com/2073-445X/7/1/34>
- g. Terindeks di SJR Q2 0,717 (2019) dan SNIP 1,148 (2019)

Kategori Publikasi Jurnal Ilmiah : ☒ Jurnal Ilmiah Internasional /Internasional bereputasi
 (beri ✓ pada kategori yang tepat) ☐ Jurnal Ilmiah Nasional Terakreditasi
☐ Jurnal Ilmiah Nasional /Nasional di DOAJ,CABI, COPERNICUS

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional/ internasional bereputasi 40	Nasional Terakreditasi	Nasional	
a. Kelengkapan unsur isi artikel (10%)	4			4
b. Ruang lingkup dan kedalaman pembahasan (30%)	12			11
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12			11
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12			10
Total = (100%)	40			36
Nilai = (40% x 36 : 2)				7,2

Catatan Penilaian artikel oleh Reviewer :

- a. Isi artikel lengkap sesuai dengan petunjuk penulisan artikel jurnal (*author guidelines*) yang dipakai. Judul yang diangkat dapat juga dipahami dari konten pembahasan isi artikel yang berhubungan dengan urbanisasi dan *climate-related disasters*.
- b. Pembahasan cukup mendalam yang berkaitan dengan *Climate-Related Disasters* dan urbanisasi yang terjadi di sepanjang wilayah pesisir utara Jawa Tengah dan sesuai dengan bidang ilmu penulis terutama dalam konteks manajemen bencana dan kebijakan terhadap perencanaan dan pengembangan kota dan wilayah. Pembahasan hasil dalam artikel ini melibatkan sebesar 47% pustaka yang berasal sebagian besar dari artikel jurnal.

- c. Artikel memiliki kebaruan cukup baik dengan jumlah referensi yang digunakan sebanyak 55 sumber dimana 70% di antaranya merupakan referensi terbitan ≤ 10 tahun terakhir. Data dan metode yang digunakan cukup terbaru dengan menggunakan analisis spasial di dalam GIS.
- d. Jurnal terindeks *Scopus* dengan SJR 0,717 (Q2) yang diterbitkan oleh MDPI. Jurnal ber-ISSN dan terdapat tautan DOI dimana tersedia *online* melalui sistem *open access* dan termasuk jurnal berbayar.

Semarang, 09-07-2020

Reviewer 2,



Prof. Dr. Ir. Nany Yulastuti, MSP
NIP. 195407171982032001
Departemen PWK, FT. Undip

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH : JURNAL ILMIAH

Judul karya ilmiah (artikel) : A Regional Perspective on Urbanization and Climate-Related Disasters in the Northern Coastal Regional of Central Java, Indonesia

Jumlah Penulis : 3 penulis

Status Pengusul : Iwan Rudiarto, **Wiwandari Handayani**, Jawoto Sih Setyono

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Journal Land
- b. Nomor ISSN : 2073-445X
- c. Vol.,no.,bulan,tahun : Vol.7 issue 34, 2018, hal. 1-15
- d. Penerbit : MDPI
- e. DOI artikel (jika ada): 10.3390/land7010034
- f. Alamat web jurnal : <https://www.mdpi.com/2073-445X/7/1/34>
- g. Terindeks di SJR Q2 0,717 (2019) dan SNIP 1,148 (2019)

Kategori Publikasi Jurnal Ilmiah : ☒ Jurnal Ilmiah Internasional /Internasional bereputasi
(beri ✓ pada kategori yang tepat) ☐ Jurnal Ilmiah Nasional Terakreditasi
☐ Jurnal Ilmiah Nasional /Nasional di DOAJ,CABI, COPERNICUS

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Reviewer		
	Reviewer I	Reviewer II	Nilai Rata-rata
a.Kelengkapan unsur isi artikel (10%)	4	4	4
b.Ruang lingkup dan kedalaman pembahasan (30%)	11	11	11
c.Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	10	11	10,5
d.Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	10	10	10
Total = (100%)	35	36	35,5
Nilai = (40% x 35,5 : 2)			7,1

Reviewer 1,



Prof. Dr.rer.nat. Imam Buchori, ST
NIP. 197011231995121001
Departemen PWK FT.Undip

Semarang, 17-07-2020

Reviewer 2,



Prof. Dr. Ir. Nany Yulastuti, MSP
NIP. 195407171982032001
Departemen PWK FT.Undip



Document details

< Back to results | < Previous 12 of 19 Next >

↗ Export ↴ Download 🖨️ Print ✉️ E-mail 📄 Save to PDF ☆ Add to List More... >

View at Publisher

Land [Open Access](#)

Volume 7, Issue 1, 1 March 2018, Article number 34

A regional perspective on urbanization and climate-related disasters in the northern coastal region of central Java, Indonesia (Article) [\(Open Access\)](#)

Rudiarto, I. ✉️, [Handayani, W.](#) ✉️, Setyono, J.S. ✉️ 👤

Department of Urban and Regional Planning, Diponegoro University, Semarang, 50275, Indonesia

Abstract

View references (55)

Indonesia, as an archipelagic nation, has about 150 million people (60%) living in coastal areas. Such communities are increasingly vulnerable to the effects of change, in the form of sea level rise and stronger, more intense storms. Population growth in coastal areas will also increase the disaster risk mainly because of climate change-related effects such as flooding, droughts, and tidal floods. This study examines the dynamic changes of urban population and urban villages in three decadal periods, from 1990, 2000, to 2010. To highlight different disasters that are increasingly tied to climate change, the analysis was conducted in the northern coastal area of Central Java province using village potential (PODES) data, which are routinely collected by the government. Results show that about 41% of people in Central Java province live in the northern coastal region and 50% live in urban areas. The numbers of hazard events within a distance range of 0-40 km from the shoreline are: flooding (non-tidal)-335; tidal flooding-65; and droughts-28. Based on this study, about half of flood disasters (non-tidal) occurred within 10 km of the shoreline, while tidal flooding accounted for 80%. Most of the climate-related disasters were found in rural areas at low levels of population growth, while in urban areas the disasters were found to be associated in less than 1% and in more than 3% of population growth. © 2018 by the authors.

SciVal Topic Prominence ⓘ

Topic: Climate Change Adaptation | Urban Climate | Adaptive Capacity

Prominence percentile: 99.877 ⓘ

Author keywords

Climate-related disasters Hazard events Northern coast of Central Java Population growth

ISSN: 2073445X

Source Type: Journal

Original language: English

DOI: 10.3390/land7010034

Document Type: Article

Publisher: MDPI AG

References (55)

View in search results format >

☐ All Export 🖨️ Print ✉️ E-mail 📄 Save to PDF Create bibliography

Metrics ⓘ View all metrics >

10 Citations in Scopus

74th percentile

1.19 Field-Weighted

Citation Impact ⓘ



PlumX Metrics

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 10 documents

Housing profile: Analysing human settlement in fisheries village coastal area, North Jakarta

Putri, K. , Hargianintya, A. , Hasibuan, H.S. (2021) *IOP Conference Series: Earth and Environmental Science*

Relationship between NDVI and the Microbial Content of Soil in Detecting Fertility Level at Semarang Regency, Jawa Tengah, Indonesia

Aji, A. , Iryanthony, S.B. , Sidiq, W.A.B.N. (2021) *Nature Environment and Pollution Technology*

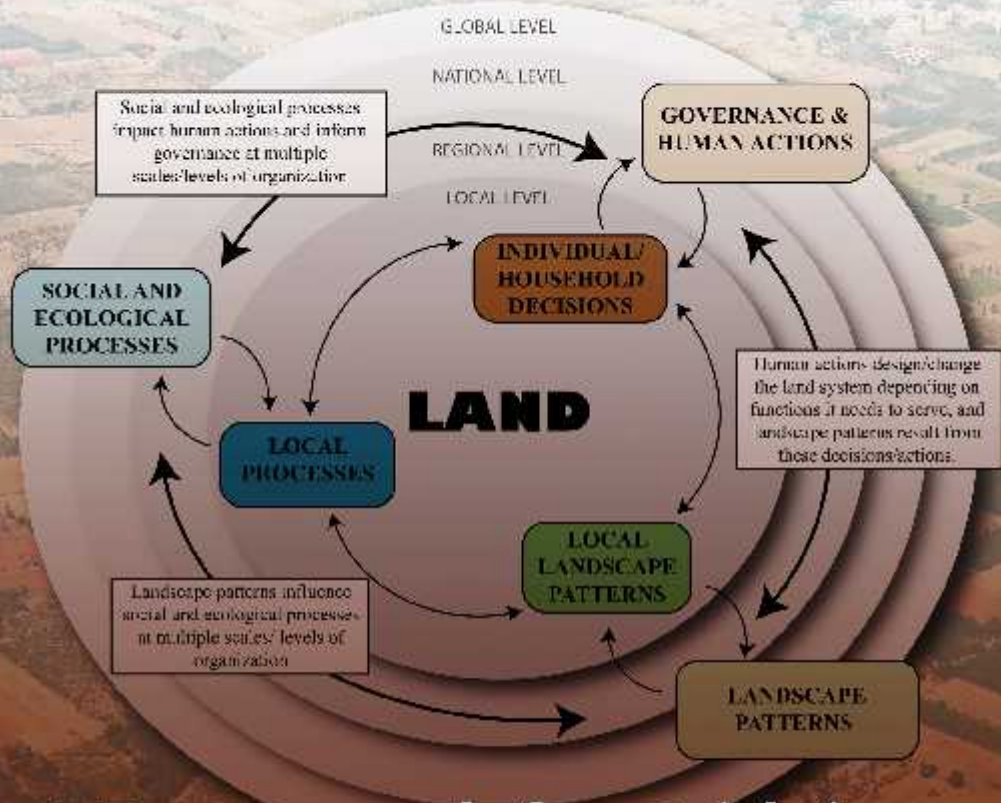
Do we care enough? revisiting land subsidence and coastal spatial planning policy in Semarang, Indonesia

Hamdani, R.S. , Hadi, S.P. , Rudiarto, I. (2020) *E3S Web of Conferences*

View all 10 citing documents

Inform me when this document is cited in Scopus:

Set citation alert >



A Framework for Bridging Land System Architecture and Landscape Ecology

Volume 7 • Issue 1 | March 2018

> [Forthcoming issue \(/2073-445X/9/5\)](#)

> [Current issue \(/2073-445X/9/4\)](#)

[Vol. 9 \(2020\) \(/2073-445X/9\)](#)

[Vol. 8 \(2019\) \(/2073-445X/8\)](#)

[Vol. 7 \(2018\) \(/2073-445X/7\)](#)

[Vol. 6 \(2017\) \(/2073-445X/6\)](#)

[Vol. 5 \(2016\) \(/2073-445X/5\)](#)

[Vol. 4 \(2015\) \(/2073-445X/4\)](#)

[Vol. 3 \(2014\) \(/2073-445X/3\)](#)

[Vol. 2 \(2013\) \(/2073-445X/2\)](#)

[Vol. 1 \(2012\) \(/2073-445X/1\)](#)

Editorial Board

- [Advisory Board](#)
- [Editorial Board](#)
- [Land Systems and Global Change Section \(/journal/land/sectioneditors/Land_Systems_and_Global_Change\)](#)
- [Landscape Ecology Section \(/journal/land/sectioneditors/Landscape_Ecology\)](#)
- [Soil-Sediment-Water Systems Section \(/journal/land/sectioneditors/Soil-Sediment-Water-System\)](#)
- [Socio-Economic and Political Aspects of Contemporary and Historical Land Issues Section \(/journal/land/sectioneditors/Socio-Economic\)](#)
- [Urban Contexts and Urban-Rural Interactions Section \(/journal/land/sectioneditors/urban_contexts\)](#)
- [Land-Climate Interactions Section \(/journal/land/sectioneditors/Land_Climate_Interactions\)](#)

Editors (7)



Prof. Dr. Andrew Millington

[Website \(http://www.flinders.edu.au/people/andrew.millington\)](http://www.flinders.edu.au/people/andrew.millington)

Editor-in-Chief

College of Science and Engineering, Flinders University, GPO Box 2100, **Adelaide, SA 5001, Australia**

Interests: land use dynamics and potential impacts around increased foreign ownership of farmland in Australia; the coca/cocaine trade as a driver of land use dynamics in humid tropical forests; analysis of landscape fragmentation patterns in tropical and sub-tropical landscapes

[Special Issues and Collections in MDPI journals](#)



Prof. Dr. Dagmar Haase *

[Website \(https://www.geographie.hu-berlin.de/de/Members/Haase_Dagmar\)](https://www.geographie.hu-berlin.de/de/Members/Haase_Dagmar)

Section Editor-in-Chief

Humboldt University of Berlin, Alfred-Rühl-Haus, **Rudower Chaussee 16, 12489 Berlin, Germany**

Interests: land-use change modelling; ecosystem services; socio-environmental justice; urban land teleconnections; urban ecology; GIS and remote sensing

* Section "Urban Contexts and Urban-Rural Interactions"

[Special Issues and Collections in MDPI journals](#)



Dr. Ward Anseeuw

 [Website1 \(https://governanceinnovation.org/ward-anseeuw/\)](https://governanceinnovation.org/ward-anseeuw/) [Website2 \(https://www.landcoalition.org/en/contacts/ward-anseeuw/\)](https://www.landcoalition.org/en/contacts/ward-anseeuw/)

Section Editor-in-Chief

 [\(toggle desktop layout cookie\)](#)  

CIRAD (International Centre for Agricultural Research and Development) and International Land Coalition, **Via Paolo di Dono 44, 00142 Rome, Italy**

Interests: Africa; agrarian and land reform; agricultural and land policies; large-scale land acquisitions; rural development; farming systems; livelihoods and poverty; institutional and policy analysis



Dr. Saskia Keesstra

[Website \(https://www.wur.nl/en/Persons/Saskia-dr.-SD-Saskia-Keesstra.htm\)](https://www.wur.nl/en/Persons/Saskia-dr.-SD-Saskia-Keesstra.htm)

Section Editor-in-Chief

Team Soil, Water and Land Use, Wageningen Environmental Research, Wageningen University and Research, P.O. Box 47, 6700 AA **Wageningen, The Netherlands**

Conjoint Associate Professor at the University of Newcastle, Australia

Interests: water and sediment connectivity; catchment processes; nature based solutions; forest fire; sustainable land management

Special Issues and Collections in MDPI journals



Prof. Dr. Audrey L. Mayer

[Website \(http://forest.mtu.edu/landscapelab/\)](http://forest.mtu.edu/landscapelab/)

Section Editor-in-Chief

College of Forest Resources and Environmental Science, Michigan Technological University, **Houghton, MI USA 49931**

Interests: landscape ecology; biodiversity conservation; sustainability science; environmental policy

Special Issues and Collections in MDPI journals



Prof. Dr. Christine Fürst

[Website \(http://www.geo.uni-halle.de/nala/mitarbeiter/2211802_2976895/\)](http://www.geo.uni-halle.de/nala/mitarbeiter/2211802_2976895/)

Section Editor-in-Chief

Institute for Geosciences and Geography, Dept. Sustainable Landscape Development, University of Halle, Von-Seckendorff-Platz 4, 06120 Halle (Saale), Germany

Interests: integrated land-use planning; participatory planning; impact assessment

Special Issues and Collections in MDPI journals



Prof. Dr. Erle C. Ellis

[Website1 \(http://ecotope.org/people/ellis\)](http://ecotope.org/people/ellis) [Website2 \(http://ges.umbc.edu/ellis/\)](http://ges.umbc.edu/ellis/)

Section Editor-in-Chief

Geography and Environmental Systems, University of Maryland, Baltimore County, 211 Sondheim Hall, 1000 Hilltop Circle, Baltimore, MD 21250, USA

Interests: Global ecology; Land use change; Landscape ecology; Anthropocene

Special Issues and Collections in MDPI journals

Advisory Board (8)



Prof. Richard Aspinall

Website (<https://www.hutton.ac.uk/staff/honorary-fellows>)

Honorary Research Fellow, James Hutton Institute, Aberdeen, AB15 8QH, Scotland, UK

Interests: land systems science; land use; GIS; sustainability; environmental change; landscape ecology   

Special Issues and Collections in MDPI journals:

Special Issue in **Land: Land System Science** (/journal/land/special_issues/landsystsci)

Special Issue in **Land: Multiple Roles for Landscape Ecology in Future Farming Systems**
(/journal/land/special_issues/landscape_farmingsystems)

Dr. Ian Baird

Website (<http://www.geography.wisc.edu/faculty/profile.php?p=11>)

Department of Geography, University of Wisconsin-Madison, Room 455 Science Hall, 550 North Park Street, Madison, Wisconsin 53706, USA

Interests: Laos; Cambodia; Thailand; Vietnam; common property; land grabbing; land tenure; REDD; swidden agriculture; economic land concession; rubber; contract farming



Prof. Dr. Christian Brannstrom

Website (<https://geography.tamu.edu/people/profiles/faculty/brannstromchristian.html>)

Department of Geography, Texas A&M University, 3147 TAMU, College Station, 77843 TX, USA

Interests: Land Use Economics; wind power; energy; political ecology; governance

Special Issues and Collections in MDPI journals:

Special Issue in **Sustainability: Sustainable Wind Power Development**

(/journal/sustainability/special_issues/sustainable_wind_power_development)

Prof. Dr. Xiangzheng Deng

Website (http://sourcedb.cas.cn/sourcedb_igsnrr_cas/yw/zjrck/200906/t20090626_1842206.html)

Center for Chinese Agricultural Policy (CCAP), Institute of Geographic Sciences and Natural Resources Research, CAS, China

Interests: large scale hydrology; environmental and natural resource economics; ecosystem services and functions; urbanization and global environment change; sustainability-based decision making

Special Issues and Collections in MDPI journals:

Special Issue in **Water: Sustainable Water Management within Inland River Watershed**

(/journal/water/special_issues/sustainable_watershed)

Prof. Harini Nagendra

Website (<https://azimpremjiuniversity.edu.in/SitePages/harini-nagendra.aspx>)

Azim Premji University, PES Institute of Technology Campus, Pixel Park, B Block, Electronics City, Hosur Road, Bangalore 560100, India

Interests: land cover change; commons; urbanization; conservation biology; remote sensing

Special Issues and Collections in MDPI journals:

Special Issue in **Sustainability: Sustainability in an Urbanizing World: The Role of People**

(/journal/sustainability/special_issues/role_of_people)

Special Issue in **Land: Urban Land Systems: An Ecosystems Perspective** (/journal/land/special_issues/urbanlandsystems)



Prof. Jeff Sayer

Website (<https://profiles.forestry.ubc.ca/person/jeff-sayer/>)

Department of Forest and Conservation Sciences, The University of British Columbia, Vancouver, Canada

Interests: biodiversity, communities and livelihoods, forest policy, land-use change, sustainability, tropical landscapes and livelihoods

Special Issues and Collections in MDPI journals:

Special Issue in **Land: Biodiversity in Locally Managed Lands** (/journal/land/special_issues/biodiversity_managed)



Prof. Dr. B. L. Turner II

Website (<https://sustainability.asu.edu/person/billie-turner-ii/>)

Gilbert F. White Professor of Environment and Society School of the Geographical Sciences and Urban Planning & School of Sustainability PO Box 87014, Arizona State University Tempe, AZ 85287, USA

Interests: Archaeology; deforestation; Geography; human-environment; land change; anthropology; smallholder agriculture; sustainability

Special Issues and Collections in MDPI journals:

[\(toggle desktop layout cookie\)](#)  

Special Issue in **Remote Sensing: Human-Induced Global Change**

[\(/journal/remotesensing/special_issues/human_global_change\)](/journal/remotesensing/special_issues/human_global_change)

Prof. Dr. Teiji Watanabe

Website (<http://www.teiwatanabe.com/index-e.html>)

Faculty of Environmental Earth Science, Hokkaido University, Hokkaido 060-0808, Japan

Interests: conservation and sustainable use of natural resources; protected-area management; terrestrial environment; land use and land cover change; geodiversity analysis and geoconservation; mountain geography; South Asia; Central Asia; Southwest Asia

Special Issues and Collections in MDPI journals:

Special Issue in **Environments: Land Use Change in the Changing Environment** (/journal/environments/special_issues/land-changing)

Special Issue in **Environments: Land Use and Environmental Impacts in Protected Areas: Assessment, Monitoring and Management for Future Sustainability** (/journal/environments/special_issues/land)

Special Issue in **International Journal of Environmental Research and Public Health: Changing Societies under Extreme Environments in Asia** (/journal/ijerph/special_issues/glp2018_changing_society)

Special Issue in **Environments: Geospatial Technology for Land Restoration and Planning** (/journal/environments/special_issues/Geospatial_Technology)

Special Issue in **Environments: Selected Papers from the 3rd Global Land Programme (GLP) Asia Conference: Hazards, Disasters, and Land Science—Towards Asian and Global SDGs for Land Systems**

[\(/journal/environments/special_issues/Global_Land_Programme\)](/journal/environments/special_issues/Global_Land_Programme)

Special Issue in **Land: Hazards, Disasters and Land Science toward Asian and Global SDGs for Land Systems: Approaches from Remotely Sensed Geospatial Data Analyses** (/journal/land/special_issues/3rd_GLP_Asia_Conference)



Editorial Board Members (137)

Filter Editorial Board Members

Filter



Prof. Dr. Purushothaman Chirakkuzhyil Abhilash

Website1 (<http://naasindia.org/detail.php?id=645>) **Website2** (<https://glp.earth/user/912>)

Institute of Environment & Sustainable Development, Banaras Hindu University, **Varanasi, India**

Interests: climate-resilient agriculture; food security; sustainable agriculture; agrobiodiversity; agricultural sustainability; indigenous and local knowledge (ILK); wild crops

Special Issues and Collections in MDPI journals:

Special Issue in **Land: Restoring Degraded Lands to Attain UN-SDGs** (/journal/land/special_issues/degraded_land_UN-SDGs)

Special Issue in **Agronomy: Wild Crop Relatives and Associated Biocultural and Traditional Agronomic Practices for Food and Nutritional Security** (/journal/agronomy/special_issues/wild_crop_biocultural_agronomic_practices_food_security)

Special Issue in **Plants: Bioprospecting of Neglected and Underutilized Wild Plants for Nutritional and Ethnomedicinal Significance** (/journal/plants/special_issues/Bioprospecting_Neglected_Underutilized)

Special Issue in **Agronomy: New Plant Sources of Healthy Oil** (/journal/agronomy/special_issues/plant_oil)



Dr. Oren Ackermann *

Website (https://www.researchgate.net/profile/Oren_Ackermann)

Institute of Archaeology, Department of Land of Israel Studies and Archaeology Ariel University, P.O.B. 3, **Ariel 4070000, Israel**

Interests: geoarchaeology; portable OSL; paleoanthropocene; cultural landscape; anthropogenic soils, landscape archaeology; climate change and ancient societies; geomorphology, ecogeomorphology

* Section "Soil-Sediment-Water Systems"

[Back to Top](#)

Prof. Dr. Paul Aplin

Website (<https://www.edgehill.ac.uk/geography/staff/professor-paul-aplin/>)

Department of Geography, Edge Hill University, Ormskirk, Lancashire, L39 4QP, UK

Interests: remote sensing; land cover classification; scales of observation; environmental applications

Special Issues and Collections in MDPI journals:

Special Issue in **Remote Sensing: Earth Observation Technology Cluster: Innovative Sensor Systems for Advanced Land Surface Studies** (/journal/remotesensing/special_issues/earth_observation_technology)



Dr. Paschalis Arvanitidis

Website (<https://www.econ.uth.gr/en/departments/staff/faculty/45-dr-paschalis-arvanitidis>)

Department of Economics, University of Thessaly, Volos, 38333, Greece

Interests: Institutional economics; commons; real estate; urban economics



Dr. Hossein Azadi

Website (<https://scholar.google.com/citations?user=sEToXkcAAAAJ&hl=en>)

Department of Geography, Ghent University, Krijgslaan 281 S8, 9000 Gent, Belgium

Interests: land and food policies; land governance; food security; agrarian change; resilient agriculture; sustainable livelihood; vulnerability

Special Issues and Collections in MDPI journals:

Special Issue in **Sustainability: Land and Food Policy** (/journal/sustainability/special_issues/food_policy)

Special Issue in **Sustainability: More Food or Better Distribution** (/journal/sustainability/special_issues/food_distri)

Special Issue in **Sustainability: Impacts of Land Tenure Systems on Land Use Sustainability** (/journal/sustainability/special_issues/Land_Use_Sustainability)



Prof. Robert Baldwin *

Website (https://www.clemson.edu/cafls/faculty_staff/profiles/baldwi6)

Forestry and Environmental Conservation Department, 261 Lehotsky Hall, Clemson University, Clemson, South Carolina 29634, USA

Interests: biodiversity; landscape-scale conservation planning; wetland landscapes; habitat connectivity

* Section "Landscape Ecology"

Special Issues and Collections in MDPI journals:

Special Issue in **Land: Biodiversity and Protected Areas** (/journal/land/special_issues/biodiversity_protectedareas)



Prof. Heiko Balzter

Website (<https://www.le.ac.uk/clcr>)

NERC National Centre for Earth Observation, Leicester Institute for Space and Earth Observation, School of Geography, Geology and Environment, University of Leicester, University Road, Leicester, LE1 7RH, UK

Interests: Landscape and Climate Research; Land surface modelling, Terrestrial Remote Sensing, Synthetic Aperture Radar (SAR), light detection and ranging (LIDAR), forest monitoring, carbon cycle and climate change

Special Issues and Collections in MDPI journals:

Special Issue in **Land: Land Use Change Feedbacks with Climate** (/journal/land/special_issues/luc_climate)

Special Issue in **Remote Sensing: Remote Sensing and GIS for Habitat Quality Monitoring** (/journal/remotesensing/special_issues/rs-habitatmonitoring)

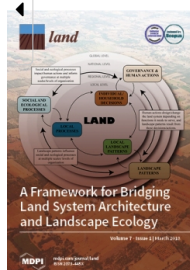
Special Issue in **Remote Sensing: Forest Biomass and Carbon Observation with Remote Sensing** (/journal/remotesensing/special_issues/Forest_Biomass_Carbon_Observation)

Special Issue in **Remote Sensing: Data Science, Artificial Intelligence and Remote Sensing** (/journal/remotesensing/special_issues/data_ai)

Special Issue in **Land: Feature Papers for Land–Climate Interactions Section** (/journal/land/special_issues/FP_land_climate)

[Back to Top](#)

Table of Contents



(<https://www.mdpi.com/2073-445X/7/1/27>).

Land, Volume 7 (2073-445X/7), Issue 1 (March 2018) – 39 articles

- Issues are regarded as officially published after their release is announced to the [table of contents alert mailing list \(/journal/land/toc-alert\)](#).
- You may [sign up for e-mail alerts \(/journal/land/toc-alert\)](#) to receive table of contents of newly released issues.
- PDF is the official format for papers published in both, html and pdf forms. To view the papers in pdf format, click on the "PDF Full-text" link, and use the free [Adobe Reader \(https://www.adobe.com/\)](https://www.adobe.com/) to open them.

Cover Story (view full-size image (/data/covers/land/big_cover-land-v7-i1.png)) Coupled human and natural system (CHANS) models often treat system components separately, linking them through specific processes. This makes it difficult to bridge the integrated coupling of both social and ecological processes suggested by land systems architecture (LA) and landscape ecology (LE). We have developed a framework that integrates LA and LE via linkages between human action (governance), landscape patterns, and social–ecological processes at multiple levels/scales. Drawing on common resource use (public land and water) in the Southern Great Plains, we show how governance impacts human land-use/land-cover change (LULCC) decisions (LA) and how such LULCC patterns influence, and are influenced by, underlying ecological processes (LE). We provide a means to investigate feedback between the different system components in a CHANS that subsequently impact future human design decisions. [View this paper \(https://www.mdpi.com/2073-445X/7/1/27\)](#)

Order results

Publication Date

Result details

Normal

[Show export options](#) 

Open Access Article

 [\(/2073-445X/7/1/39/pdf\)](#)

System Properties Determine Food Security and Biodiversity Outcomes at Landscape Scale: A Case Study from West Flores, Indonesia (/2073-445X/7/1/39)

by  [Neil French Collier \(https://sciprofiles.com/profile/395837\)](https://sciprofiles.com/profile/395837),  [Jeffrey Sayer \(https://sciprofiles.com/profile/1043878\)](https://sciprofiles.com/profile/1043878),  [Agni Klintuni Boedhihartono \(https://sciprofiles.com/profile/author/Y3ZrWWd6dy9DOHdraC85bWxqUmFGUmp1R1VRL21MREh1MjNRUX\)](https://sciprofiles.com/profile/author/Y3ZrWWd6dy9DOHdraC85bWxqUmFGUmp1R1VRL21MREh1MjNRUX),

 [Jan Hanspach \(https://sciprofiles.com/profile/author/VUk4NzkzQ08yd1hXUk1ockJVNWVTS0d2aGovVzZOcks2V3dkbkl2STE1VT0=\)](https://sciprofiles.com/profile/author/VUk4NzkzQ08yd1hXUk1ockJVNWVTS0d2aGovVzZOcks2V3dkbkl2STE1VT0=),

 [Dave Abson \(https://sciprofiles.com/profile/616094\)](https://sciprofiles.com/profile/616094) and

 [Joern Fischer \(https://sciprofiles.com/profile/author/bUM2ZDB5RFVCVU9Dc1huTVdRaktFZE42a2ZVeWRKd1N5Zk9leUxjOVJwUT0=\)](https://sciprofiles.com/profile/author/bUM2ZDB5RFVCVU9Dc1huTVdRaktFZE42a2ZVeWRKd1N5Zk9leUxjOVJwUT0=)

Land 2018, 7(1), 39; <https://doi.org/10.3390/land7010039> (<https://doi.org/10.3390/land7010039>) - 20 Mar 2018

Viewed by 1685

Abstract The food-biodiversity nexus is a concept that defines and characterizes the complex interactions between agricultural systems and biodiversity conservation. Here we use a social-ecological systems approach that combines fuzzy cognitive mapping and graph theoretic analyses to uncover system properties that determine food security [...] [Read more.](#)

[► Show Figures](#)

([/land/land-07-00039/article_deploy/html/images/land-07-00039-g001-550.jpg](#)) ([/land/land-07-00039/article_deploy/html/images/land-07-00039-g002-550.jpg](#)) ([/land/land-07-00039/article_deploy/html/images/land-07-00039-g003-550.jpg](#)) ([/land/land-07-00039/article_deploy/html/images/land-07-00039-g004-550.jpg](#)) ([/land/land-07-00039/article_deploy/html/images/land-07-00039-g005-550.jpg](#))

Open Access Article

 [\(/2073-445X/7/1/38/pdf\)](#)

Post-War Land Cover Changes and Fragmentation in Halgurd Sakran National Park (HSNP), Kurdistan Region of Iraq (/2073-445X/7/1/38)

[Back to TopTop](#)

by  [Rahel Hamad \(https://sciprofiles.com/profile/370831\)](https://sciprofiles.com/profile/370831) ,
 [Kamali Kolo \(https://sciprofiles.com/profile/author/MHQ5WGV4d20ybnICZIZiMVBCMzJNQStHNk0xeFQ2TIZNOTZLRm5pemISVT0=\)](https://sciprofiles.com/profile/author/MHQ5WGV4d20ybnICZIZiMVBCMzJNQStHNk0xeFQ2TIZNOTZLRm5pemISVT0=) and
 [Heiko Balzter \(https://sciprofiles.com/profile/11526\)](https://sciprofiles.com/profile/11526)
Land 2018, 7(1), 38; <https://doi.org/10.3390/land7010038> (<https://doi.org/10.3390/land7010038>) - 19 Mar 2018 ([toggle desktop layout cookie](#)) 🔍 ☰
Cited by 5 (/2073-445X/7/1/38#citedby) | Viewed by 2198

Abstract Context: The fundamental driving force of land use and land cover (LULC) change is related to spatial and temporal processes caused by human activities such as agricultural expansion and demographic change. Landscape metrics were used to analyze post-war changes in a rural mountain [...] [Read more.](#)

(This article belongs to the Special Issue [Biodiversity and Protected Areas \(/journal/land/special_issues/biodiversity_protectedareas\)](#))

[Printed Edition available \(/books/pdfview/book/1243\)](#)

► [Show Figures](#)

(/land/land-07-00038/article_deploy/html/images/land-07-00038-g001-550.jpg) (/land/land-07-00038/article_deploy/html/images/land-07-00038-g002-550.jpg) (/land/land-07-00038/article_deploy/html/images/land-07-00038-g003-550.jpg) (/land/land-07-00038/article_deploy/html/images/land-07-00038-g004-550.jpg) (/land/land-07-00038/article_deploy/html/images/land-07-00038-g005-550.jpg) (/land/land-07-00038/article_deploy/html/images/land-07-00038-g006-550.jpg) (/land/land-07-00038/article_deploy/html/images/land-07-00038-g007-550.jpg)

Open Access Article   (/2073-445X/7/1/37/pdf) 

[Quantifying the Spatiotemporal Pattern of Urban Expansion and Hazard and Risk Area Identification in the Kaski District of Nepal \(/2073-445X/7/1/37\)](#)

by  [Bhagawat Rimal \(https://sciprofiles.com/profile/205265\)](https://sciprofiles.com/profile/205265) ,  [Lifu Zhang \(https://sciprofiles.com/profile/3632\)](https://sciprofiles.com/profile/3632) ,
 [Hamidreza Keshtkar \(https://sciprofiles.com/profile/343408\)](https://sciprofiles.com/profile/343408) ,  [Xuejian Sun \(https://sciprofiles.com/profile/343409\)](https://sciprofiles.com/profile/343409) and
 [Sushila Rijal \(https://sciprofiles.com/profile/319605\)](https://sciprofiles.com/profile/319605)

Land 2018, 7(1), 37; <https://doi.org/10.3390/land7010037> (<https://doi.org/10.3390/land7010037>) - 16 Mar 2018

Cited by 12 (/2073-445X/7/1/37#citedby) | Viewed by 2228

Abstract The present study utilized time-series Landsat images to explore the spatiotemporal dynamics of urbanization and land use/land-cover (LULC) change in the Kaski District of Nepal from 1988 to 2016. For the specific overtime analysis of change, the LULC transition was clustered into six [...] [Read more.](#)

► [Show Figures](#)

(/land/land-07-00037/article_deploy/html/images/land-07-00037-g001-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g002-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g003a-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g003b-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g004a-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g004b-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g005-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g006-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g007-550.jpg) (/land/land-07-00037/article_deploy/html/images/land-07-00037-g008-550.jpg)

Open Access Review   (/2073-445X/7/1/36/pdf) 

[Transferring Landscape Character Assessment from the UK to the Eastern Mediterranean: Challenges and Perspectives \(/2073-445X/7/1/36\)](#)

by  [Geoffrey Griffiths \(https://sciprofiles.com/profile/377550\)](https://sciprofiles.com/profile/377550)

Land 2018, 7(1), 36; <https://doi.org/10.3390/land7010036> (<https://doi.org/10.3390/land7010036>) - 15 Mar 2018

Cited by 3 (/2073-445X/7/1/36#citedby) | Viewed by 1469

Abstract Landscape character assessment (LCA) has a significant contribution to make as a spatial framework for the emerging concept of 'multi-functional landscapes', a landscape providing a range of functions, services, and human-derived benefits. The paper reviews the development of LCA in Northwest Europe with [...] [Read more.](#)

(This article belongs to the Special Issue [Landscapes in the Eastern Mediterranean between the Future and the Past \(/journal/land/special_issues/mediterraneanlandscapes\)](#))

► [Show Figures](#)

(/land/land-07-00036/article_deploy/html/images/land-07-00036-g001-550.jpg)

Open Access Article   (/2073-445X/7/1/35/pdf) 

[Chiefs in a Democracy: A Case Study of the 'New' Systems of Regulating Firewood Harvesting in Post-Apartheid South Africa \(/2073-445X/7/1/35\)](#)

by  [Sarah J. Findlay \(https://sciprofiles.com/profile/357890\)](https://sciprofiles.com/profile/357890) and  [Wayne C. Twine \(https://sciprofiles.com/profile/386948\)](https://sciprofiles.com/profile/386948)

Land 2018, 7(1), 35; <https://doi.org/10.3390/land7010035> (<https://doi.org/10.3390/land7010035>) - 12 Mar 2018

Cited by 2 (/2073-445X/7/1/35#citedby) | Viewed by 1382

Abstract Much of the international commons literature reveals a decreased functioning of local traditional institutions that regulate natural resource harvesting. In South Africa, it is believed that the creation of new democratic structures at the end of Apartheid has contributed significantly to the deterioration [...] [Read more](#).

(This article belongs to the Special Issue **Livelihood and Landscape Change in Africa: Future Trajectories** ([/journal/land/special_issues/africalivelihoods/](#))) **Printed Edition available** ([/books/pdfview/book/1657](#))

► **Show Figures**

[\(/land/land-07-00035/article_deploy/html/images/land-07-00035-g001-550.jpg\)](#) [\(/land/land-07-00035/article_deploy/html/images/land-07-00035-g002-550.jpg\)](#) [\(/land/land-07-00035/article_deploy/html/images/land-07-00035-g003-550.jpg\)](#)

Open Access Article

☰ ⬇️ [\(/2073-445X/7/1/34/pdf\)](#)

A Regional Perspective on Urbanization and Climate-Related Disasters in the Northern Coastal Region of Central Java, Indonesia ([/2073-445X/7/1/34](#))

by [Iwan Rudiarto](#) (<https://sciprofiles.com/profile/370171>) ,

[Wiwandari Handayani](#) (<https://sciprofiles.com/profile/author/Z2E2MUdHQ1hhcUVYTXVFUTVxdXBzK1JDT1VETzVKZXE3TWd5Z0JvNTB0V>) and

[Jawoto Sih Setyono](#) (<https://sciprofiles.com/profile/author/WnE4ay9rdWYrbk43NE5DS05kV2hhaWxyeis1Q0NpZlp0WjJBBeUJpNXNhdz0=>) *Land* 2018, 7(1), 34; <https://doi.org/10.3390/land7010034> (<https://doi.org/10.3390/land7010034>) - 12 Mar 2018

Cited by 3 ([/2073-445X/7/1/34#citedby](#)) | Viewed by 1601

Abstract Indonesia, as an archipelagic nation, has about 150 million people (60%) living in coastal areas. Such communities are increasingly vulnerable to the effects of change, in the form of sea level rise and stronger, more intense storms. Population growth in coastal areas will [...] [Read more](#).

► **Show Figures**

[\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g001-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g002-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g003a-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g003b-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g004-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g005-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g006-550.jpg\)](#) [\(/land/land-07-00034/article_deploy/html/images/land-07-00034-g007-550.jpg\)](#)

Open Access Article

☰ ⬇️ [\(/2073-445X/7/1/33/pdf\)](#)

Towards a Simpler Characterization of Urban Sprawl across Urban Areas in Europe ([/2073-445X/7/1/33](#))

by

[Jean-Philippe Auranboud](#) (<https://sciprofiles.com/profile/author/ajE4V29NNWcycU90QngxOVVpbnBFVDhKeTFUYIB2Sm1veDFqbmpoREI>) ,

[Ricardo Barranco](#) (<https://sciprofiles.com/profile/author/QTRkVzBPbDdNTFQxWkdIcTIGSTg1R0dqdml1elluQmtOZmFMTnY2SVNpZz0=>) and

[Carlo Lavallo](#) (<https://sciprofiles.com/profile/author/cE5ZeXJuWlIrOVJPZEdiUkxWeENCeWJUSkhuMHBqdHRqa0xHeWR5OEIWcz0=>) *Land* 2018, 7(1), 33; <https://doi.org/10.3390/land7010033> (<https://doi.org/10.3390/land7010033>) - 09 Mar 2018

Cited by 5 ([/2073-445X/7/1/33#citedby](#)) | Viewed by 2650

Abstract Urban sprawl is a concept commonly used to describe the physical expansion of urban areas. It is traditionally associated with lower residential density, poorer connectivity, and higher energy costs for heating and transport. From the period of 1980 to 2000, the extent of [...] [Read more](#).

(This article belongs to the Special Issue **Land, Environment, and Policy** ([/journal/land/special_issues/policy/](#)))

► **Show Figures**

[\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g001-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g002-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g003-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g004-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g005-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g006-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g007-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g008-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g009-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g010-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g011-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g012-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g013-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g014-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g015-550.jpg\)](#) [\(/land/land-07-00033/article_deploy/html/images/land-07-00033-g016-550.jpg\)](#)

Open Access Article

☰ ⬇️ [\(/2073-445X/7/1/32/pdf\)](#) [🔗](#)

Forest Cover Change, Key Drivers and Community Perception in Wujig Mahgo Waren Forest of Northern Ethiopia ([/2073-445X/7/1/32](#))

[Back to Top](#)

by  Negasi Solomon (<https://sciprofiles.com/profile/375159>) ,  Hadgu Hishe (<https://sciprofiles.com/profile/384375>) ,
 Ted Anhang (<https://sciprofiles.com/profile/author/MkdoUUC0K3puN1k2Y2hRczRPYVpMRW9TUVZjNTJyaU1RVmN3RldCOWVoST0=>) ,
 Opoku Pabi (<https://sciprofiles.com/profile/author/R0RMV09wYVhWKzFYd1AxN3UvZINRZEhHa3BncUhHL09manJBR2dCV1hQdz0=>) ,
 Isaac K Asante (<https://sciprofiles.com/profile/author/S29PcmJJS3lvc0JsUTFV3NkZzJiZ1JwenkzS1Ug9ybyb3p0Tz0hVwST0=>) and
 Emiru Birhane (<https://sciprofiles.com/profile/66256>)

Land 2018, 7(1), 32; <https://doi.org/10.3390/land7010032> (<https://doi.org/10.3390/land7010032>) - 09 Mar 2018

Cited by 8 (/2073-445X/7/1/32#citedby) | Viewed by 1939

Abstract This study assessed forest cover change from 1985 to 2016, analyzed community perception on forest cover change and its drivers, and suggested possible solutions in northern Ethiopia. Landsat images of 1985, 2000 and 2016, household interviews and focus group discussions were used. While [...] **Read more.**

(This article belongs to the Special Issue **Understanding Our Planetary Home: New Directions in Land Use/Land Cover (LULC) Analysis** (/journal/land/special_issues/LULC))

 **Show Figures**

(/land/land-07-00032/article_deploy/html/images/land-07-00032-g001-550.jpg) (/land/land-07-00032/article_deploy/html/images/land-07-00032-g002-550.jpg)

Open Access Feature Paper Article

  (/2073-445X/7/1/31/pdf)

Improving Object-Based Land Use/Cover Classification from Medium Resolution Imagery by Markov Chain Geostatistical Post-Classification (/2073-445X/7/1/31)

by  Wenjie Wang (<https://sciprofiles.com/profile/162797>) ,  Weidong Li (<https://sciprofiles.com/profile/86041>) ,
 Chuanrong Zhang (<https://sciprofiles.com/profile/13878>) and  Weixing Zhang (<https://sciprofiles.com/profile/484746>)

Land 2018, 7(1), 31; <https://doi.org/10.3390/land7010031> (<https://doi.org/10.3390/land7010031>) - 07 Mar 2018

Cited by 4 (/2073-445X/7/1/31#citedby) | Viewed by 1922

Abstract Land use/land cover maps derived from remotely sensed imagery are often insufficient in quality for some quantitative application purposes due to a variety of reasons such as spectral confusion. Although object-based classification has some advantages over pixel-based classification in identifying relatively homogeneous land [...] **Read more.**

(This article belongs to the Special Issue **Land, Environment, and Policy** (/journal/land/special_issues/policy))

 **Show Figures**

(/land/land-07-00031/article_deploy/html/images/land-07-00031-g001-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g002-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g003-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g004-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g005-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g006-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g007-550.jpg) (/land/land-07-00031/article_deploy/html/images/land-07-00031-g008-550.jpg)

Open Access Article

  (/2073-445X/7/1/30/pdf)

Assessing Climate Smart Agriculture and Its Determinants of Practice in Ghana: A Case of the Cocoa Production System (/2073-445X/7/1/30)

by  Felix Akrofi-Atitianti (<https://sciprofiles.com/profile/358074>) ,  Chinwe Ifejiaka Speranza (<https://sciprofiles.com/profile/370862>) ,
 Louis Bockel (<https://sciprofiles.com/profile/author/SjRGNHVBeEpYYk9hTjU1NzIRV1IRa1dMMElhUGR5WHdQOXF1WDRvbWJCaz0=>) and

 Richard Asare (<https://sciprofiles.com/profile/author/QXE2NmZBYVfYtYW5iakZ6cVRxSGpkNW0wSIBkbzg0QWdXVXdRc2MxZUg1Zz0=>)

Land 2018, 7(1), 30; <https://doi.org/10.3390/land7010030> (<https://doi.org/10.3390/land7010030>) - 04 Mar 2018

Cited by 7 (/2073-445X/7/1/30#citedby) | Viewed by 2165

Abstract Agriculture in Africa is not only exposed to climate change impacts but is also a source of greenhouse gases (GHGs). While GHG emissions in Africa are relatively minimal in global dimensions, agriculture in the continent constitutes a major source of GHG emissions. In [...] **Read more.**

(This article belongs to the Special Issue **Livelihood and Landscape Change in Africa: Future Trajectories for Improved Well-Being under a Changing Climate** (/journal/land/special_issues/africalivelihoods)) **Printed Edition available** (/books/pdfview/book/1657)

 **Show Figures**

(/land/land-07-00030/article_deploy/html/images/land-07-00030-g001-550.jpg) (/land/land-07-00030/article_deploy/html/images/land-07-00030-g002-550.jpg) (/land/land-07-00030/article_deploy/html/images/land-07-00030-g003-550.jpg) (/land/land-07-00030/article_deploy/html/images/land-07-00030-g004-550.jpg)

Open Access Article

  (/2073-445X/7/1/29/pdf) 

Estimation of the Spatiotemporal Patterns of Vegetation and Associated Ecosystem Services in a Bornean Montane Zone Using Three Shifting-Cultivation Scenarios (/2073-445X/7/1/29)

by  Shogoro Fujiki (<https://sciprofiles.com/profile/194749>) ,

 Shogo Nishio (<https://sciprofiles.com/profile/author/VGIDZ3BIIdViVTBpUkZTWnIRNVpzbitDVVR1bCs2N2xzcDIJb0NDbDN6UT0=>) ,

 Kei-ichi Okada (<https://sciprofiles.com/profile/author/YIdQcUVqMndoSEVxNHVYamhvT1Z2YmxIUFIxbmFwTFkrMjhjakZtUDYvYz0=>)

Back to Top

 [Jamili Nais](https://sciprofiles.com/profile/author/aG0wWDA2ekVZNUo0ZWovNU96NHgwRFFkQXRCRW1LMC8wc0ZSeWRoSIE5RT0=) (<https://sciprofiles.com/profile/author/aG0wWDA2ekVZNUo0ZWovNU96NHgwRFFkQXRCRW1LMC8wc0ZSeWRoSIE5RT0=>) ,
 [Riml Repin](https://sciprofiles.com/profile/author/MUhlU1I5ejF6em5xSII4UzR6Y1FLUUZsUEN5eDFvd1ZZQTnkdfBzaXhRyZ0=) (<https://sciprofiles.com/profile/author/MUhlU1I5ejF6em5xSII4UzR6Y1FLUUZsUEN5eDFvd1ZZQTnkdfBzaXhRyZ0=>) and
 [Kanehiro Kitayama](https://sciprofiles.com/profile/488099) (<https://sciprofiles.com/profile/488099>)

Land 2018, 7(1), 29; <https://doi.org/10.3390/land7010029> (<https://doi.org/10.3390/land7010029>) - 02 Mar 2018 ([toggle desktop layout cookie](#)) 🔍 ☰
Cited by 3 ([/2073-445X/7/1/29#citedby](#)) | Viewed by 1215

Abstract Tropical countries are now facing increasing global pressure to conserve tropical forests, while having to maintain cultivated lands (particularly shifting cultivation) for the subsistence of local people. To accomplish the effective conservation of tropical forests in harmony with subsistence shifting cultivation, we evaluated [...] [Read more.](#)

► **Show Figures**

([/land/land-07-00029/article_deploy/html/images/land-07-00029-g001-550.jpg](#)) ([/land/land-07-00029/article_deploy/html/images/land-07-00029-g002-550.jpg](#)) ([/land/land-07-00029/article_deploy/html/images/land-07-00029-g003-550.jpg](#)) ([/land/land-07-00029/article_deploy/html/images/land-07-00029-g004-550.jpg](#))

Open Access Article

☰ ⬇️ ([/2073-445X/7/1/28/pdf](#))

The Cultural Landscape Past of the Eastern Mediterranean: The Border Lord's Gardens and the Common Landscape Tradition of the Arabic and Byzantine Culture ([/2073-445X/7/1/28](#))

by  [Konstantinos Moraitis](https://sciprofiles.com/profile/365719) (<https://sciprofiles.com/profile/365719>)

Land 2018, 7(1), 28; <https://doi.org/10.3390/land7010028> (<https://doi.org/10.3390/land7010028>) - 26 Feb 2018

Cited by 1 ([/2073-445X/7/1/28#citedby](#)) | Viewed by 1261

Abstract An evaluation of landscape tradition, in Near and Middle East area, could emphasize a profound past of agricultural experience, as well as of landscape and garden art. In reference to this common past, Byzantine and Arabic landscape and garden art paradigms appear to [...] [Read more.](#)

(This article belongs to the Special Issue [Landscapes in the Eastern Mediterranean between the Future and the Past](#) ([/journal/land/special_issues/mediterraneanlandscapes](#)))

► **Show Figures**

([/land/land-07-00028/article_deploy/html/images/land-07-00028-ag-550.jpg](#)) ([/land/land-07-00028/article_deploy/html/images/land-07-00028-g001-550.jpg](#)) ([/land/land-07-00028/article_deploy/html/images/land-07-00028-g002-550.jpg](#))

Open Access Article

☰ ⬇️ ([/2073-445X/7/1/27/pdf](#))

A Land Systems Science Framework for Bridging Land System Architecture and Landscape Ecology: A Case Study from the Southern High Plains ([/2073-445X/7/1/27](#))

by  [Jacqueline M. Vadjunec](https://sciprofiles.com/profile/129535) (<https://sciprofiles.com/profile/129535>) ,

 [Amy E. Frazier](https://sciprofiles.com/profile/author/T2hZK3cyeEZBZmh2NEI1RG9WbUU3eDFHaGtKYWgyUEXET3RsY3FaOWdBaz0=) (<https://sciprofiles.com/profile/author/T2hZK3cyeEZBZmh2NEI1RG9WbUU3eDFHaGtKYWgyUEXET3RsY3FaOWdBaz0=>) ,

 [Peter Kedron](https://sciprofiles.com/profile/author/YTd4SGIVa0U4WUEXNjFxmZVVbWxNMFlqM0swWGRIZmhFMklva21pb3BnST0=) (<https://sciprofiles.com/profile/author/YTd4SGIVa0U4WUEXNjFxmZVVbWxNMFlqM0swWGRIZmhFMklva21pb3BnST0=>) ,

 [Todd Fagin](https://sciprofiles.com/profile/217576) (<https://sciprofiles.com/profile/217576>) and

 [Yun Zhao](https://sciprofiles.com/profile/author/TEpRUIldTSnNWeC81ZkFyTitncm5vcU5Dam1zK1ArM3paQU9EbU5mcm5UT0=) (<https://sciprofiles.com/profile/author/TEpRUIldTSnNWeC81ZkFyTitncm5vcU5Dam1zK1ArM3paQU9EbU5mcm5UT0=>)

Land 2018, 7(1), 27; <https://doi.org/10.3390/land7010027> (<https://doi.org/10.3390/land7010027>) - 26 Feb 2018

Cited by 6 ([/2073-445X/7/1/27#citedby](#)) | Viewed by 2129

Abstract Resource-use decisions affect the ecological and human components of the coupled human and natural system (CHANS), but a critique of some frameworks is that they do not address the complexity and tradeoffs within and between the two systems. Land system architecture (LA) was [...] [Read more.](#)

► **Show Figures**

([/land/land-07-00027/article_deploy/html/images/land-07-00027-g001-550.jpg](#)) ([/land/land-07-00027/article_deploy/html/images/land-07-00027-g002-550.jpg](#)) ([/land/land-07-00027/article_deploy/html/images/land-07-00027-g003-550.jpg](#)) ([/land/land-07-00027/article_deploy/html/images/land-07-00027-g004-550.jpg](#)) ([/land/land-07-00027/article_deploy/html/images/land-07-00027-g005-550.jpg](#)) ([/land/land-07-00027/article_deploy/html/images/land-07-00027-g006-550.jpg](#))

Open Access Feature Paper Article

☰ ⬇️ ([/2073-445X/7/1/26/pdf](#))

Effect of Feeding System on Enteric Methane Emissions from Individual Dairy Cows on Commercial Farms ([/2073-445X/7/1/26](#))

by  [Max Eckert](https://sciprofiles.com/profile/author/SHQ4WHJtT0w1eUFrb0FFMUZNOG8rWU9SMG1RNk5mWFROREJDcJlnaFUxRT0=) (<https://sciprofiles.com/profile/author/SHQ4WHJtT0w1eUFrb0FFMUZNOG8rWU9SMG1RNk5mWFROREJDcJlnaFUxRT0=>) ,

 [Matt Bell](https://sciprofiles.com/profile/174339) (<https://sciprofiles.com/profile/174339>) ,

 [Sarah Potterton](https://sciprofiles.com/profile/author/M3F1MGYzaFhKcJl4Szf3SskpOQjY0STntTE5EdVZ2TmFpWjNFckNiTIROQODIuTzN5Y) (<https://sciprofiles.com/profile/author/M3F1MGYzaFhKcJl4Szf3SskpOQjY0STntTE5EdVZ2TmFpWjNFckNiTIROQODIuTzN5Y>) ,

 [Jim Craigon](https://sciprofiles.com/profile/author/a28zalRHcU5Lc1g5TEJVVE5KbXcvSTRqRUVucHEvTWVENUcvTTISY1JPND0=) (<https://sciprofiles.com/profile/author/a28zalRHcU5Lc1g5TEJVVE5KbXcvSTRqRUVucHEvTWVENUcvTTISY1JPND0=>) ,

 [Neil Saunders](https://sciprofiles.com/profile/author/LzBCd0JrNWpDazR0TmQ4aDg5eTVMdGovMSszRmJPOTZTeGVwOVFITHY0UT0=) (<https://sciprofiles.com/profile/author/LzBCd0JrNWpDazR0TmQ4aDg5eTVMdGovMSszRmJPOTZTeGVwOVFITHY0UT0=>) ,

 [Ruth Wilcox](https://sciprofiles.com/profile/381322) (<https://sciprofiles.com/profile/381322>) ,

 [Morag Hunter](https://sciprofiles.com/profile/author/YytWYllmVGhBOURPR3NtQ2h1WWpoV201ZWY2SjFbBhVMZzVKRFJQbC9RZz0=) (<https://sciprofiles.com/profile/author/YytWYllmVGhBOURPR3NtQ2h1WWpoV201ZWY2SjFbBhVMZzVKRFJQbC9RZz0=>) ,

Jennifer Goodman (<https://sciprofiles.com/profile/author/d2pPWXpKYVJZRGR2Ykd1eHVQNfZtMDM0R0owYVVGRIk1RVI3TjZaQzBDcTdr>) and MDPI (0)

Phil Garnsworthy (<https://sciprofiles.com/profile/381387>)

Land 2018, 7(1), 26; <https://doi.org/10.3390/land7010026> (<https://doi.org/10.3390/land7010026>) - 24 Feb 2018 (toggle desktop layout cookie) 🔍 ☰

Cited by 2 (/2073-445X/7/1/26#citedby) | Viewed by 1488

Abstract This study investigated the effects of feeding system on diurnal enteric methane (CH₄) emissions from individual cows on commercial farms. Data were obtained from 830 cows across 12 farms, and data collated included production records, CH₄ measurements (in the breath [...])

Read more.

(This article belongs to the Special Issue [Measuring or Modelling Greenhouse Gas Emissions from Agricultural Land Use \(/journal/land/special_issues/agricultural_GGE\)](#).)

Open Access Article

☰ ⬇ (/2073-445X/7/1/25/pdf) 🔒

Spatial Modeling of Soil Erosion Risk and Its Implication for Conservation Planning: the Case of the Gobeles Watershed, East Hararghe Zone, Ethiopia (/2073-445X/7/1/25)

by Gezahegn Weldu Woldemariam (<https://sciprofiles.com/profile/203496>),

Anteneh Derribew Iguala (<https://sciprofiles.com/profile/author/V3crTW5YL0tsWjRaZzFoWFg1aVBRYm5FRzZKejhvRFNYV3VjTnFaQ3pCc>)

Solomon Tekalign (<https://sciprofiles.com/profile/384590>) and Ramireddy Uttama Reddy (<https://sciprofiles.com/profile/277308>)

Land 2018, 7(1), 25; <https://doi.org/10.3390/land7010025> (<https://doi.org/10.3390/land7010025>) - 21 Feb 2018

Cited by 10 (/2073-445X/7/1/25#citedby) | Viewed by 2789

Abstract Soil erosion by water has accelerated over recent decades due to non-sustainable land use practices resulting in substantial land degradation processes. Spatially explicit information on soil erosion is critical for the development and implementation of appropriate Soil and Water Conservation (SWC) measures. The objectives [...] **Read more.**

► **Show Figures**

(/land/land-07-00025/article_deploy/html/images/land-07-00025-g001-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g002-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g003-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g004-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g005a-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g005b-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g006-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g007-550.jpg) (/land/land-07-00025/article_deploy/html/images/land-07-00025-g008-550.jpg)

Open Access Article

☰ ⬇ (/2073-445X/7/1/24/pdf)

"Medium-Scale" Forestland Grabbing in the Southwestern Highlands of Ethiopia: Impacts on Local Livelihoods and Forest Conservation (/2073-445X/7/1/24)

by Tola Gemechu Ango (<https://sciprofiles.com/profile/113690>)

Land 2018, 7(1), 24; <https://doi.org/10.3390/land7010024> (<https://doi.org/10.3390/land7010024>) - 14 Feb 2018

Cited by 2 (/2073-445X/7/1/24#citedby) | Viewed by 1982

Abstract Tropical forest provides a crucial portion of sustenance in many rural communities, although it is increasingly under pressure from appropriations of various scales. This study investigated the impacts of medium-scale forestland grabbing on local livelihoods and forest conservation in the southwestern highlands of [...] **Read more.**

► **Show Figures**

(/land/land-07-00024/article_deploy/html/images/land-07-00024-g001-550.jpg) (/land/land-07-00024/article_deploy/html/images/land-07-00024-g002-550.jpg) (/land/land-07-00024/article_deploy/html/images/land-07-00024-g003-550.jpg)

Open Access Article

☰ ⬇ (/2073-445X/7/1/23/pdf) 🔒

Compensation for Expropriated Community Farmland in Nigeria: An In-Depth Analysis of the Laws and Practices Related to Land Expropriation for the Lekki Free Trade Zone in Lagos (/2073-445X/7/1/23)

by Nicholas K. Tagliarino (<https://sciprofiles.com/profile/247466>), Yakubu A. Bununu (<https://sciprofiles.com/profile/373737>),

Magbagbeola O. Micheal (<https://sciprofiles.com/profile/370781>), Marcello De Maria (<https://sciprofiles.com/profile/560362>) and

Akintobi Olusanmi (<https://sciprofiles.com/profile/337468>)

Land 2018, 7(1), 23; <https://doi.org/10.3390/land7010023> (<https://doi.org/10.3390/land7010023>) - 11 Feb 2018

Cited by 5 (/2073-445X/7/1/23#citedby) | Viewed by 2542

Abstract In Nigeria, the recurring impoverishment and other negative socioeconomic impacts endured by landholders affected by expropriation are well-documented and call into question the Land Use Act's (LUA) effectiveness in protecting local land rights. The World Bank's Land Governance Assessment Framework found that, in [...] **Read more.**

► **Show Figures**

(/land/land-07-00023/article_deploy/html/images/land-07-00023-g001-550.jpg) (/land/land-07-00023/article_deploy/html/images/land-07-00023-g002-550.jpg)

Moderating Climate Hazard Risk through Cooperation in Asian Drylands [\(/2073-445X/7/1/22/\)](#)by  **Troy Sternberg** (<https://sciprofiles.com/profile/92524>) [./\(toggle_desktop_layout_cookie\)](#)  *Land* 2018, 7(1), 22; <https://doi.org/10.3390/land7010022> (<https://doi.org/10.3390/land7010022>) - 07 Feb 2018**Cited by 1** [\(/2073-445X/7/1/22#citedby\)](#) | Viewed by 1453

Abstract Asia drylands face increasing climate hazard risk, changing socio-economic forces, and environmental challenges that affect community viability. As home to >1 billion residents, deserts are at the centre of the continent's climate-human predicament. Extreme water scarcity, dependence on food imports and now conflict [...][Read more.](#)

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** ([./journal/land/special_issues/deserts](#)))**Printed Edition available** ([./books/pdfview/book/1493](#)) **Show Figures**[./land/land-07-00022/article_deploy/html/images/land-07-00022-g001-550.jpg](#)**Urban Land Cover Change in Ecologically Fragile Environments: The Case of the Galapagos Islands** [\(/2073-445X/7/1/21/\)](#)by  **Fátima L. Benítez** (<https://sciprofiles.com/profile/338952>),  **Carlos F. Mena** (<https://sciprofiles.com/profile/357568>) and **Leo Zurita-Arthos** (<https://sciprofiles.com/profile/author/U1haSTkyMmFTNHZIM29wL1Z6OVRGZzhqa3lwR2VoQzF1aTd0TIFkZy90TT0=>)*Land* 2018, 7(1), 21; <https://doi.org/10.3390/land7010021> (<https://doi.org/10.3390/land7010021>) - 01 Feb 2018**Cited by 2** [\(/2073-445X/7/1/21#citedby\)](#) | Viewed by 1883

Abstract The Galapagos Islands are a unique sanctuary for wildlife and have gone through a fluctuating process of urbanization in the three main inhabited islands. Despite being colonized since the 1800s, it is during the last 25 years that a dramatic increase in population [...][Read more.](#)

 **Show Figures**[./land/land-07-00021/article_deploy/html/images/land-07-00021-g001-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g002-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g003-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g004-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g005-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g006-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g007-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g008-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g009a-550.jpg](#)) [./land/land-07-00021/article_deploy/html/images/land-07-00021-g009b-550.jpg](#))**Investigation of Collapsed Building Incidents on Soft Marine Deposit: Both from Social and Technical Perspectives** [\(/2073-445X/7/1/20/\)](#)by  **Hai-Min Lyu** (<https://sciprofiles.com/profile/445381>),  **Wen-Chieh Cheng** (<https://sciprofiles.com/profile/5028>), **Jack Shuilong Shen** (<https://sciprofiles.com/profile/97328>) and **Arul Arulrajah** (<https://sciprofiles.com/profile/author/M3NzSE1wQW0dHU5bEhBaFN1RUJOM3MxWWpNaDBkbVJkSWJhc0htTlJkz0=>)*Land* 2018, 7(1), 20; <https://doi.org/10.3390/land7010020> (<https://doi.org/10.3390/land7010020>) - 01 Feb 2018**Cited by 7** [\(/2073-445X/7/1/20#citedby\)](#) | Viewed by 1380

Abstract A collapsed incident occurred on 10 October 2016 in Wenzhou City, China, which resulted in 22 casualties and 6 injuries. Most of victims were migrant laborers (rural dwellers who move to urban for a temporary work), who rented apartments in these residential buildings, [...][Read more.](#)

(This article belongs to the Special Issue **Land, Environment, and Policy** ([./journal/land/special_issues/policy](#))) **Show Figures**[./land/land-07-00020/article_deploy/html/images/land-07-00020-g001-550.jpg](#)) [./land/land-07-00020/article_deploy/html/images/land-07-00020-g002-550.jpg](#)) [./land/land-07-00020/article_deploy/html/images/land-07-00020-g003-550.jpg](#)) [./land/land-07-00020/article_deploy/html/images/land-07-00020-g004-550.jpg](#)) [./land/land-07-00020/article_deploy/html/images/land-07-00020-g005-550.jpg](#)) [./land/land-07-00020/article_deploy/html/images/land-07-00020-g006-550.jpg](#))**Satellite Monitoring of Vegetation Response to Precipitation and Dust Storm Outbreaks in Gobi Desert Regions** [\(/2073-445X/7/1/19/\)](#)by  **Yuki Sofue** (<https://sciprofiles.com/profile/author/ZS91VFI5MzdvT1FJdlpoOFINdUQzMmNOSm13K3IEb2FYTUo1QUNBK0FhMD0=>), **Buho Hoshino** (<https://sciprofiles.com/profile/231247>), **Yuta Demura** (<https://sciprofiles.com/profile/author/c01OOGw2eG51WStoNVprNIZ3MDBDNFJSZ3NweFd4amRtS3JPRHZFQklzZz0=>), **Kenji Kai** (<https://sciprofiles.com/profile/author/NTQyUFIDdVc0bGRaU2cvRUZCMUZKZEMzWVNCZEJRcU9WcEk3eUY5N1FVTT0=>), **Kenji Baba** (<https://sciprofiles.com/profile/571868>),  **Eunice Nduati** (<https://sciprofiles.com/profile/565911>), **Akihiko Kondoh** (<https://sciprofiles.com/profile/author/R1gwQ1NKMk80VlJXdS9kTVEwd3dydHJKZmVxSlo1eHJSMjVhTTZxN0ZHcz0=>)

and

 **Troy Sternberg** (<https://sciprofiles.com/profile/92524>)*Land* 2018, 7(1), 19; <https://doi.org/10.3390/land7010019> (<https://doi.org/10.3390/land7010019>) - 01 Feb 2018

Cited by 2 (/2073-445X/7/1/19#citedby) | Viewed by 1934

Abstract Recently, droughts have become widespread in the Northern Hemisphere, including in Mongolia. The ground surface condition, particularly vegetation coverage, affects the occurrence of dust storms. The main sources of dust storms in the Asian region are the Taklimakan and Mongolian Gobi desert regions. [...] [Read more.](#)

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** (/journal/land/special_issues/deserts/))

Printed Edition available (/books/pdfview/book/1493)

► **Show Figures**

(/land/land-07-00019/article_deploy/html/images/land-07-00019-g001-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g002-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g003-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g004-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g005a-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g005b-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g006-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g007-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g008-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g009-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g010-550.jpg) (/land/land-07-00019/article_deploy/html/images/land-07-00019-g011-550.jpg)

Open Access Feature Paper Article

⌵ (/2073-445X/7/1/18/pdf)

Inclusive Businesses and Land Reform: Corporatization or Transformation? (/2073-445X/7/1/18)

by [Wyske O. Chamberlain](#) (<https://sciprofiles.com/profile/349502>) and [Ward Anseeuw](#) (<https://sciprofiles.com/profile/709086>)

Land 2018, 7(1), 18; <https://doi.org/10.3390/land7010018> (<https://doi.org/10.3390/land7010018>) - 26 Jan 2018

Cited by 7 (/2073-445X/7/1/18#citedby) | Viewed by 1912

Abstract Inclusive businesses (IBs), embodying partnerships between commercial agribusinesses and smallholder farmers/low-income communities, are considered to contribute towards rural development and agricultural sector transformation. Structured as complex organizational set-ups consisting of, and overcoming the limitations of, standard inclusive instruments (collective organization, mentorship, supply contract, [...]) [Read more.](#)

► **Show Figures**

(/land/land-07-00018/article_deploy/html/images/land-07-00018-g001-550.jpg) (/land/land-07-00018/article_deploy/html/images/land-07-00018-g002-550.jpg)

Open Access Article

⌵ (/2073-445X/7/1/17/pdf)

Mapping Urban Green Infrastructure: A Novel Landscape-Based Approach to Incorporating Land Use and Land Cover in the Mapping of Human-Dominated Systems (/2073-445X/7/1/17)

by [Matthew Dennis](#) (<https://sciprofiles.com/profile/363972>),

[David Barlow](#) (<https://sciprofiles.com/profile/author/QzAvTjZHcE5sTGHdQINhNng3ZUVXUU5jUFBCKmdZMjZSL0xWd1Nwa3gzWT0=>),

[Gina Cavan](#) (<https://sciprofiles.com/profile/381292>),

[Penny A. Cook](#) (<https://sciprofiles.com/profile/author/a3RPRGJzaU5NRGJ4SW40TmZNVFBxTDJzbHpKci9Uc2tFdckrR29SWFVEbz0=>),

[Anna Gilchrist](#) (<https://sciprofiles.com/profile/author/aDlyRm1QN3B5MWILeGxXZIdTWEJOZ3hLTUpoR004QWJwV0JVbE0zd2daTT0=>),

[John Handley](#) (<https://sciprofiles.com/profile/author/V1FxRUV5cDdKT1Bma3dDUWtvNE1JSVQ5b2lvcXlqSm5pOUJRUDRVVVgvVT0=>),

[Philip James](#) (<https://sciprofiles.com/profile/author/RnN4bk9QN1daUW03N1F1YkF6N0IGNEM4cndZd0pmdnUvbmYxQiNtC9sdz0=>),

[Jessica Thompson](#) (<https://sciprofiles.com/profile/author/eXBadiZBSm82eEQ5R0IDaDNGNnp1VDF3TjFod0d5TnF3cjlxQmxiNIHUT0=>),

[Konstantinos Tzoulas](#) (<https://sciprofiles.com/profile/author/S25MRTJzd3RvVjIVUXFjMkNqMld0Vzd5aUdwVFhsMnNSa09qTGirelhBRT0=>)

[C. Philip Wheeler](#) (<https://sciprofiles.com/profile/author/RzNQU1JvVXI0azhnc004VlpWb1ZuemhGaYxV0I2K0s4QIJraDIhOUss0az0=>) and

[Sarah Lindley](#) (<https://sciprofiles.com/profile/author/UXZla3J3RjZkK2NkbVFRTIFKT1JhRk53QmowQUZiY1FudnVHSVFDOW16bz0=>)

Land 2018, 7(1), 17; <https://doi.org/10.3390/land7010017> (<https://doi.org/10.3390/land7010017>) - 25 Jan 2018

Cited by 17 (/2073-445X/7/1/17#citedby) | Viewed by 4511

Abstract Common approaches to mapping green infrastructure in urbanised landscapes invariably focus on measures of land use or land cover and associated functional or physical traits. However, such one-dimensional perspectives do not accurately capture the character and complexity of the landscapes in which urban [...] [Read more.](#)

► **Show Figures**

(/land/land-07-00017/article_deploy/html/images/land-07-00017-ag-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g001-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g002-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g003-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g004-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g005a-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g005b-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g006-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g007a-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g007b-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g008-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g009-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g010-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g011-550.jpg)

07-00017-g010-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g011-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g012a-550.jpg) (/land/land-07-00017/article_deploy/html/images/land-07-00017-g012b-550.jpg)

[\(toggle desktop layout cookie\)](#)

Open Access Article

[.\(/2073-445X/7/1/16/pdf\)](#)

Plantation Development in the Turkana Basin: The Making of a New Desert? (/2073-445X/7/1/16)

by **Edward G. J. Stevenson** (<https://sciprofiles.com/profile/353503>)

Land 2018, 7(1), 16; <https://doi.org/10.3390/land7010016> (<https://doi.org/10.3390/land7010016>) - 25 Jan 2018

Cited by 2 (/2073-445X/7/1/16#citedby) | Viewed by 1404

Abstract Since the early 20th century, “desert reclamation” has been synonymous with large-scale waterworks and irrigation. These techniques have made it possible to produce abundant crops in arid or semi-arid environments. The costs have often been externalized, with increased environmental productivity in the new [...] **Read more.**

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** (/journal/land/special_issues/deserts.))

Printed Edition available (/books/pdfview/book/1493)

Open Access Feature Paper Article

[.\(/2073-445X/7/1/15/pdf\)](#)

Groundwater Irrigation Management and the Existing Challenges from the Farmers' Perspective in Central Iran (/2073-445X/7/1/15)

by **Forough Jafari** (<https://sciprofiles.com/profile/294266>) and **Chris Bradley** (<https://sciprofiles.com/profile/341707>)

Land 2018, 7(1), 15; <https://doi.org/10.3390/land7010015> (<https://doi.org/10.3390/land7010015>) - 23 Jan 2018

Cited by 3 (/2073-445X/7/1/15#citedby) | Viewed by 1627

Abstract The sustainable management of natural resources, and particularly groundwater, presents a major challenge in arid regions to ensure security of water supply and support agricultural production. In many cases, the role of smallholder farmers is often neglected when managing irrigated water and land [...] **Read more.**

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** (/journal/land/special_issues/deserts.))

Printed Edition available (/books/pdfview/book/1493)

Show Figures

(/land/land-07-00015/article_deploy/html/images/land-07-00015-g001-550.jpg)

Open Access Article

[.\(/2073-445X/7/1/14/pdf\)](#)

Responding to Landscape Change: Stakeholder Participation and Social Capital in Five European Landscapes (/2073-445X/7/1/14)

by **Thanasis Kizos** (<https://sciprofiles.com/profile/353339>) , **Tobias Plieninger** (<https://sciprofiles.com/profile/363394>) ,

Theodoros Iosifides (<https://sciprofiles.com/profile/974800>) ,

Maria García-Martin (<https://sciprofiles.com/profile/author/d1J0TXJaQ3VVUmtal3drRGVLUks0bGw3VzQ4ZCtOUTIhYk9yNFINZ1NldHF1V1>) ,

Geneviève Girod (<https://sciprofiles.com/profile/577992>) ,

Krista Karro (<https://sciprofiles.com/profile/author/c311WitkNVUvdE4vZmJiUnVSbWJEMStlLzFoSGdXNkt1Y0FLZW1hSkNvYz0=>) ,

Hannes Palang (<https://sciprofiles.com/profile/577993>) , **Anu Printsman** (<https://sciprofiles.com/profile/663139>) ,

Brian Shaw (<https://sciprofiles.com/profile/author/b295NmNRTUI1ZXRYL05yanlxQ1BNQ3prY1FiOGtmeUNNRGJuWHBtM3VnYTlyWXMvSI>)

Julianna Nagy (<https://sciprofiles.com/profile/author/b0J5ZFdmVWdkc3V4OUVobkk5WW4vZTJ2NHFqaW45TnlvaDNzcG1yZ3FCWT0=>)

and

Marie-Alice Budniok (<https://sciprofiles.com/profile/author/MG9sdzh2cUVmSDhCZUQRWFNPS1RTQT09>)

Land 2018, 7(1), 14; <https://doi.org/10.3390/land7010014> (<https://doi.org/10.3390/land7010014>) - 22 Jan 2018

Cited by 8 (/2073-445X/7/1/14#citedby) | Viewed by 1520

Abstract The concept of landscape has been increasingly used, in the last decades, in policy and land use planning, both in regard to so-called “special” and to “ordinary” or “everyday” landscapes. This has raised the importance of local and public participation in all issues [...] **Read more.**

Show Figures

(/land/land-07-00014/article_deploy/html/images/land-07-00014-g001a-550.jpg) (/land/land-07-00014/article_deploy/html/images/land-07-00014-g001b-550.jpg)

Open Access Article

[.\(/2073-445X/7/1/13/pdf\)](#)

Assessing Riparian Vegetation Condition and Function in Disturbed Sites of the Arid Northwestern Mexico (/2073-445X/7/1/13)

by **Lara Cornejo-Denman** (<https://sciprofiles.com/profile/361239>) , **Jose Raul Romo-Leon** (<https://sciprofiles.com/profile/17182>) ,

Alejandro E. Castellanos (<https://sciprofiles.com/profile/361218>) ,

Rolando E. Diaz-Caravantes (/search?authors=Rolando%20E.%20Diaz-Caravantes&orcid=),

Jose Luis Moreno-Vázquez (<https://sciprofiles.com/profile/296943>) and

Romeo Mendez-Estrella (<https://sciprofiles.com/profile/author/L2F5YTZYc2VTYUxTVy9XQ3ppNEpVTkU2NVV3Z3pzVVdhYnpBN1Q3Qkxh>)

Land 2018, 7(1), 13; <https://doi.org/10.3390/land7010013> (<https://doi.org/10.3390/land7010013>) - 22 Jan 2018

Cited by 2 (/2073-445X/7/1/13#citedby) | Viewed by 1704

Abstract Transformation or modification of vegetation distribution and structure in arid riparian ecosystems can lead to the loss of ecological function. Mexico has 101,500,000 ha of arid lands, however there is a general lack of information regarding how arid riparian ecosystems are being modified.

[\[...\] Read more.](#)

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** ([./journal/land/special_issues/deserts](#)))

Printed Edition available ([./books/pdfview/book/1493](#))

► **Show Figures**

([./land/land-07-00013/article_deploy/html/images/land-07-00013-ag-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g001-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g002-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g003-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g004-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g005-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g006-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g007-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g008-550.jpg](#)) ([./land/land-07-00013/article_deploy/html/images/land-07-00013-g009-550.jpg](#))

Open Access Article

≡ ⬇ ([./2073-445X/7/1/12/pdf](#))

The Community Land Act in Kenya Opportunities and Challenges for Communities ([./2073-445X/7/1/12](#))

by [Liz Alden Wily](#) (<https://sciprofiles.com/profile/305970>)

Land 2018, 7(1), 12; <https://doi.org/10.3390/land7010012> (<https://doi.org/10.3390/land7010012>) - 19 Jan 2018

Cited by 9 ([./2073-445X/7/1/12#citedby](#)) | Viewed by 2567

Abstract Kenya is the most recent African state to acknowledge customary tenure as producing lawful property rights, not merely rights of occupation and use on government or public lands. This paper researches this new legal environment. This promises land security for 6 to 10 [...] **Read more.**

Open Access Article

≡ ⬇ ([./2073-445X/7/1/11/pdf](#))

Effect of Land Use Change on Soil Carbon Storage over the Last 40 Years in the Shi Yang River Basin, China ([./2073-445X/7/1/11](#))

by [Shurong Yang](#) (<https://sciprofiles.com/profile/354546>) ,

[Danrui Sheng](#) (<https://sciprofiles.com/profile/author/QXpmMVN2S3M0NmxEtUZIUWdXVThUS0laTzNWSFhQzJ0SG9PQnkyWEdVND0=>) ,

[Jan Adamowski](#) (<https://sciprofiles.com/profile/38823>) , [Yifan Gong](#) (<https://sciprofiles.com/profile/400225>) ,

[Jian Zhang](#) (<https://sciprofiles.com/profile/author/cmU1UjBIVnFYQzRoR2p4RnoyR01wc08vdHlONjFQSIVUSWVqKzBucUdlbz0=>) , and

[Jianjun Cao](#) (<https://sciprofiles.com/profile/400246>)

Land 2018, 7(1), 11; <https://doi.org/10.3390/land7010011> (<https://doi.org/10.3390/land7010011>) - 18 Jan 2018

Cited by 8 ([./2073-445X/7/1/11#citedby](#)) | Viewed by 1763

Abstract Accounting for one quarter of China's land area, the endorheic Shiyang River basin is a vast semi-arid to arid region in China's northwest. Exploring the impact of changes in land use on this arid area's carbon budget under global warming is a key [...] **Read more.**

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** ([./journal/land/special_issues/deserts](#)))

Printed Edition available ([./books/pdfview/book/1493](#))

► **Show Figures**

([./land/land-07-00011/article_deploy/html/images/land-07-00011-g001-550.jpg](#)) ([./land/land-07-00011/article_deploy/html/images/land-07-00011-g002-550.jpg](#))

Open Access Feature Paper Article

≡ ⬇ ([./2073-445X/7/1/10/pdf](#))

The Effects of Grazing Systems on Plant Communities in Steppe Lands—A Case Study from Mongolia's Pastoralists and Inner Mongolian Settlement Areas ([./2073-445X/7/1/10](#))

by [Yintai Na](#) (<https://sciprofiles.com/profile/author/ZjE2TzRoSis2UU9MbUZwbE42UVFJTEdGM0FaYXNtdFhQaVdqRXVwQkZ4bz0=>) ,

[Saixiyalt Bao](#) (<https://sciprofiles.com/profile/author/SjR4T3RRUEtiN3NYLzBteDFwZEU3aEpMNzF4Vfo4MDFNTDk3RHFlay9qWT0=>) ,

[Kanji Hashimoto](#) (<https://sciprofiles.com/profile/author/eTjN1V2b2pTRmZGOGdqUDhOZDNnbDdVb3NRWWVreGx2TytmNE43akVsRT0=>) ,

[Christopher McCarthy](#) (<https://sciprofiles.com/profile/571448>) and [Buho Hoshino](#) (<https://sciprofiles.com/profile/231247>)

Land 2018, 7(1), 10; <https://doi.org/10.3390/land7010010> (<https://doi.org/10.3390/land7010010>) - 18 Jan 2018

Cited by 2 ([./2073-445X/7/1/10#citedby](#)) | Viewed by 2098

Abstract This study examines the effects of different grazing systems in two neighboring regions with similar biotic and abiotic factors, Nalan Soum in Mongolia and Naren Soum in Inner Mongolia, China. We employed the quadrat sampling method and remote sensing to set three perpendicular [...] **Read more.**

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** ([./journal/land/special_issues/deserts](#)))

Printed Edition available ([./books/pdfview/book/1493](#))

► **Show Figures**

([./land/land-07-00010/article_deploy/html/images/land-07-00010-g001-550.jpg](#)) ([./land/land-07-00010/article_deploy/html/images/land-07-00010-g002-550.jpg](#))

Back to Top

Quantifying Land Use in Past Societies from Cultural Practice and Archaeological Data ([./2073-445X/7/1/9](#))by  **Ryan E. Hughes** (<https://sciprofiles.com/profile/342005>) , **Erika Weiberg** (<https://sciprofiles.com/profile/author/MERmNDILVDZSQWVzUmEyUVJaaUZpOURUNmJMcnVqTUsyOEF2Z2xrQIYvOD0=>) , **Anton Bonnier** (<https://sciprofiles.com/profile/author/RzB1MJR6c2xkR0FFNW5KNWI0UTMyQWUvQ2U3WUZ0cFpDVGfFaaVIPeWN2TT0=>) , **Martin Finné** (<https://sciprofiles.com/profile/761174>) and  **Jed O. Kaplan** (<https://sciprofiles.com/profile/341171>)*Land* 2018, 7(1), 9; <https://doi.org/10.3390/land7010009> (<https://doi.org/10.3390/land7010009>) - 16 Jan 2018Cited by 10 ([./2073-445X/7/1/9#citedby](#)) | Viewed by 2401**Abstract** Quantitative reconstructions of past land use facilitate comparisons between livelihoods in space and time. However, comparison between different types of land use strategies is challenging as land use has a multitude of expressions and intensities. The quantitative method presented here facilitates the exploration [...] **Read more.**(This article belongs to the Special Issue **Anthropogenic Biomes** ([./journal/land/special_issues/anthromes](#).)**Show Figures**[./land/land-07-00009/article_deploy/html/images/land-07-00009-g001-550.jpg](#)) ([./land/land-07-00009/article_deploy/html/images/land-07-00009-g002-550.jpg](#)) ([./land/land-07-00009/article_deploy/html/images/land-07-00009-g003-550.jpg](#)) ([./land/land-07-00009/article_deploy/html/images/land-07-00009-g004-550.jpg](#))**Berenty Reserve—A Gallery Forest in Decline in Dry Southern Madagascar—Towards Forest Restoration** ([./2073-445X/7/1/8](#))by  **Vanessa Winchester** (<https://sciprofiles.com/profile/329772>) , **Kate Hardwick** (<https://sciprofiles.com/profile/author/YIVSa3R1aHFjVldsRUMzdTdOT0Jkemd3VXVMN25xYW5TMGhleK9wajYyTT0=>) , **Hantanarina Rasamimanana** (<https://sciprofiles.com/profile/348206>) , **Sahoby M. Raharison** (<https://sciprofiles.com/profile/author/NXZXckNFZjJ0VUJmT290UGp4TDJObVdoalExTDNGODMzMVc5cUkvalBWbz>) , **Anne Merti-Millhollen** (<https://sciprofiles.com/profile/382776>) , **Holger Gärtner** (<https://sciprofiles.com/profile/author/Qm5IWnczZk5GK0gvMIRkYkxwWjJ4aklNYU9nT2Y2ZERBMDhndkFkUTIVaz0=>) and **Janet McCrae** (<https://sciprofiles.com/profile/author/dUNtYk9PTVZkQUxsbUVhNVdXVS9RandRbGcxbGtESVImWfNQVE5CL1VLUT0=>)*Land* 2018, 7(1), 8; <https://doi.org/10.3390/land7010008> (<https://doi.org/10.3390/land7010008>) - 15 Jan 2018

Viewed by 1953

Abstract Berenty Reserve, a fully protected gallery forest beside the Mandrare River is renowned for its lemurs, but the continuous canopy of the main forest is shrinking, fragmenting and degrading. The aim of this study, before any restoration can be considered, is to investigate [...] **Read more.**(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** ([./journal/land/special_issues/deserts](#).)**Printed Edition available** ([./books/pdfview/book/1493](#))**Show Figures**[./land/land-07-00008/article_deploy/html/images/land-07-00008-g001-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g002-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g003-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g004-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g005-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g006-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g007-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g008-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g009-550.jpg](#)) ([./land/land-07-00008/article_deploy/html/images/land-07-00008-g010-550.jpg](#))**Acknowledgement to Reviewers of *Land* in 2017** ([./2073-445X/7/1/7](#))by  **Land Editorial Office** (<https://sciprofiles.com/profile/153956>)*Land* 2018, 7(1), 7; <https://doi.org/10.3390/land7010007> (<https://doi.org/10.3390/land7010007>) - 12 Jan 2018

Viewed by 937

AbstractPeer review is an essential part in the publication process, ensuring that *Land* maintains high quality standards for its published papers. In 2017, a total of 88 papers were published in the journal. [...] **Full article** ([./2073-445X/7/1/7](#))**Monitoring and Analysing Land Use/Cover Changes in an Arid Region Based on Multi-Satellite Data: The Kashgar Region, Northwest China** ([./2073-445X/7/1/6](#))by  **Ayisulitan Maimaitiali** (<https://sciprofiles.com/profile/297724>) , **Xiaokaiti Aji** (<https://sciprofiles.com/profile/author/T3l3aINfEdGpzcK51UEFiY2s1andmbGtNR1ISS0tERFBRY2FFSjhRVktTU0=>) ,

 [Akbar Matniyaz \(https://sciprofiles.com/profile/340784\)](https://sciprofiles.com/profile/340784) and
 [Akimko Kondoh \(https://sciprofiles.com/profile/author/R1gwQ1NKMk80VlJXds9kTVEdwd3dydHJKZmVxSlo1eHJSMjVhTTZxN0ZHcz0=\)](https://sciprofiles.com/profile/author/R1gwQ1NKMk80VlJXds9kTVEdwd3dydHJKZmVxSlo1eHJSMjVhTTZxN0ZHcz0=)
Land 2018, 7(1), 6; <https://doi.org/10.3390/land7010006> (<https://doi.org/10.3390/land7010006>) - 12 Jan 2018
Cited by 3 (/2073-445X/7/1/6#citedby) | Viewed by 1917   

Abstract In arid regions, oases ecosystems are fragile and sensitive to climate change, and water is the major limiting factor for environmental and socio-economic developments. Understanding the drivers of land use/cover change (LUCC) in arid regions is important for the development of management strategies [...]. [Read more.](#)

(This article belongs to the Special Issue **Arid Land Systems: Sciences and Societies** (/journal/land/special_issues/deserts))

Printed Edition available (</books/pdfview/book/1493>)

► **Show Figures**

(/land/land-07-00006/article_deploy/html/images/land-07-00006-g001-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g002-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g003-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g004-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g005-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g006-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g007-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g008-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g009-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g010-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g011-550.jpg) (/land/land-07-00006/article_deploy/html/images/land-07-00006-g012-550.jpg)

Open Access Feature Paper Editorial

  [./2073-445X/7/1/5/pdf](/2073-445X/7/1/5/pdf)

Urban Land Systems: An Ecosystems Perspective (/2073-445X/7/1/5)

by  [Monika Kopecká \(https://sciprofiles.com/profile/251455\)](https://sciprofiles.com/profile/251455),  [Harini Nagendra \(https://sciprofiles.com/profile/40737\)](https://sciprofiles.com/profile/40737) and
 [Andrew Millington \(https://sciprofiles.com/profile/93169\)](https://sciprofiles.com/profile/93169)

Land 2018, 7(1), 5; <https://doi.org/10.3390/land7010005> (<https://doi.org/10.3390/land7010005>) - 11 Jan 2018

Cited by 3 (/2073-445X/7/1/5#citedby) | Viewed by 1328

Abstract

We live in an urbanizing world. Since 2008, more than half of humanity lives in cities, both large and small, and old and new.[...] [Full article \(/2073-445X/7/1/5\)](#)

(This article belongs to the Special Issue **Urban Land Systems: An Ecosystems Perspective** (/journal/land/special_issues/urbanlandsystems)) **Printed Edition available** (</books/pdfview/book/661>)

Open Access Article

  [./2073-445X/7/1/4/pdf](/2073-445X/7/1/4/pdf)

Inferring Missing Climate Data for Agricultural Planning Using Bayesian Networks (/2073-445X/7/1/4)

by  [Leonel Lara-Estrada \(https://sciprofiles.com/profile/author/RIZ1NVpxOHVSYWlQQ096UDA0ZHcxNURIMVRUM3prZThXNE8xQzRKeFISVT\)](https://sciprofiles.com/profile/author/RIZ1NVpxOHVSYWlQQ096UDA0ZHcxNURIMVRUM3prZThXNE8xQzRKeFISVT)

 [Livia Rasche \(https://sciprofiles.com/profile/396951\)](https://sciprofiles.com/profile/396951),  [L. Enrique Sucar \(https://sciprofiles.com/profile/739177\)](https://sciprofiles.com/profile/739177) and
 [Uwe A. Schneider \(https://sciprofiles.com/profile/251652\)](https://sciprofiles.com/profile/251652)

Land 2018, 7(1), 4; <https://doi.org/10.3390/land7010004> (<https://doi.org/10.3390/land7010004>) - 10 Jan 2018

Cited by 2 (/2073-445X/7/1/4#citedby) | Viewed by 1548

Abstract Climate data availability plays a key role in development processes of policies, services, and planning in the agricultural sector. However, data at the spatial or temporal resolution required is often lacking, or certain values are missing. In this work, we propose to use [...] [Read more.](#)

► **Show Figures**

(/land/land-07-00004/article_deploy/html/images/land-07-00004-ag-550.jpg) (/land/land-07-00004/article_deploy/html/images/land-07-00004-g001-550.jpg) (/land/land-07-00004/article_deploy/html/images/land-07-00004-g002-550.jpg) (/land/land-07-00004/article_deploy/html/images/land-07-00004-g003-550.jpg) (/land/land-07-00004/article_deploy/html/images/land-07-00004-g004-550.jpg) (/land/land-07-00004/article_deploy/html/images/land-07-00004-g005-550.jpg)

Open Access Article

  [./2073-445X/7/1/3/pdf](/2073-445X/7/1/3/pdf) 

Land Use Dynamics of Drove Roads: The Case of Tratturo Castel di Sangro-Lucera (Molise, Italy) (/2073-445X/7/1/3)

by  [Michele Minotti \(https://sciprofiles.com/profile/307629\)](https://sciprofiles.com/profile/307629),
 [Carmen Giancola \(https://sciprofiles.com/profile/author/NS9xTVI2VmRDYWIIVDRtbGyYrR0ViNlF2WlJiZmNyZzNGcmVxU1FtOXVMT0=\)](https://sciprofiles.com/profile/author/NS9xTVI2VmRDYWIIVDRtbGyYrR0ViNlF2WlJiZmNyZzNGcmVxU1FtOXVMT0=),
 [Piera Di Marzio \(https://sciprofiles.com/profile/author/KzVVd1ZQM0MrMHdra25tVmRRYTnkcmJ4YXNWmGV6OTFMT3BEYksvRGYxWT0=\)](https://sciprofiles.com/profile/author/KzVVd1ZQM0MrMHdra25tVmRRYTnkcmJ4YXNWmGV6OTFMT3BEYksvRGYxWT0=) and

 [Paolo Di Martino \(https://sciprofiles.com/profile/author/WFhPd0VOcldlNEw4SIi5d0F0L1pZWStTcFJiZVJvMnNpamYxTVgyWWtaMD0=\)](https://sciprofiles.com/profile/author/WFhPd0VOcldlNEw4SIi5d0F0L1pZWStTcFJiZVJvMnNpamYxTVgyWWtaMD0=)

Land 2018, 7(1), 3; <https://doi.org/10.3390/land7010003> (<https://doi.org/10.3390/land7010003>) - 08 Jan 2018

Cited by 5 (/2073-445X/7/1/3#citedby) | Viewed by 1592

Abstract Organized transhumant pastoralism has contributed to shaping the cultural landscape of many countries. It has affected areas designated for grazing, temporary and permanent shelters, and towns. Through the analysis of historical maps and recent information, in a temporal range from 1652 to 2014, [...] [Read more](#).

► [Show Figures](#)

[./toggle_desktop_layout_cookie](#)

[./land/land-07-00003/article_deploy/html/images/land-07-00003-g001-550.jpg](#)) [./land/land-07-00003/article_deploy/html/images/land-07-00003-g002-550.jpg](#)) [./land/land-07-00003/article_deploy/html/images/land-07-00003-g003-550.jpg](#)) [./land/land-07-00003/article_deploy/html/images/land-07-00003-g004-550.jpg](#)) [./land/land-07-00003/article_deploy/html/images/land-07-00003-g005-550.jpg](#)) [./land/land-07-00003/article_deploy/html/images/land-07-00003-g006-550.jpg](#)) [./land/land-07-00003/article_deploy/html/images/land-07-00003-g007-550.jpg](#))

Open Access Article

[./2073-445X/7/1/2/pdf](#)

Land Use and Land Cover Changes and Their Effects on the Landscape of Abaya-Chamo Basin, Southern Ethiopia [./2073-445X/7/1/2](#)

by [Ashebir WoldeYohannes](#) (<https://sciprofiles.com/profile/354511>) , [Marc Cotter](#) (<https://sciprofiles.com/profile/609727>) , [Girma Kelboro](#) (<https://sciprofiles.com/profile/433459>) and [Wubneshe Dessalegn](#) (<https://sciprofiles.com/profile/author/MWdwc9kZFJMM2IKRHZ0d1kvWFo3Z2h2S2xTZHIETIFPaVWVdzZEUmIJSTI>) *Land* 2018, 7(1), 2; <https://doi.org/10.3390/land7010002> (<https://doi.org/10.3390/land7010002>) - 07 Jan 2018

Cited by 13 [./2073-445X/7/1/2#citedby](#) | Viewed by 3500

Abstract This study uses a combination of remote sensing data, field interviews and observations, and landscape indices to examine the dynamics of land use and land cover (LULC), identify their driving forces, and analyze their effects on the landscape of Abaya-Chamo Basin (ACB) between [...] [Read more](#).

(This article belongs to the Special Issue [Understanding Our Planetary Home: New Directions in Land Use/Land Cover \(LULC\) Analysis](#) ([./journal/land/special_issues/LULC](#)))

► [Show Figures](#)

[./land/land-07-00002/article_deploy/html/images/land-07-00002-g001-550.jpg](#)) [./land/land-07-00002/article_deploy/html/images/land-07-00002-g002-550.jpg](#)) [./land/land-07-00002/article_deploy/html/images/land-07-00002-g003-550.jpg](#))

Open Access Article

[./2073-445X/7/1/1/pdf](#)

Land Use as a Motivation for Railway Trespassing: Experience from the Czech Republic [./2073-445X/7/1/1](#)

by [Pavčina Skládaná](#) (<https://sciprofiles.com/profile/author/UHVoaUVoWG9taWRsVEkxTzZqWkYzWS85T0VdaVpSZXUyWmJFZXloemtmRT0=>) , [Marek Havlíček](#) (<https://sciprofiles.com/profile/357876>) , [Ivo Dostál](#) (<https://sciprofiles.com/profile/author/TFNnTUE3ZUFub3VuQkR4ck1ZajByNSstyQ0hiSkNpQTNiNFpKMDh1QIBiOD0=>) , [Pavel Skládaný](#) (<https://sciprofiles.com/profile/author/UHVoaUVoWG9taWRsVEkxTzZqWkYzWS85T0VdaVpSZXUyWmJFZXloemtmRT0=>) , [Pavel Tučka](#) (<https://sciprofiles.com/profile/author/QXhBSkphNVIsMXQwUkpqNG1FckxpZXFwZhdMQ0laVU0ycEJsdUVyUnpaWT0=>) and [Jan Perůtka](#) (<https://sciprofiles.com/profile/author/SEdFTFBRS3pUTW4xaUZBcE9vdjNoRG5VR3B1eXQ0VIRHdERKYkJRMkVmMD0=>) *Land* 2018, 7(1), 1; <https://doi.org/10.3390/land7010001> (<https://doi.org/10.3390/land7010001>) - 03 Jan 2018

Cited by 3 [./2073-445X/7/1/1#citedby](#) | Viewed by 1285

Abstract Railway trespassing is a very risky but common behaviour, resulting in about 200 casualties annually in the Czech Republic. This study describes the formation of 27 selected risk localities with frequent occurrence of trespassing in the regions of southern, central and northern Moravia. [...] [Read more](#).

(This article belongs to the Special Issue [Understanding Our Planetary Home: New Directions in Land Use/Land Cover \(LULC\) Analysis](#) ([./journal/land/special_issues/LULC](#)))

► [Show Figures](#)

[./land/land-07-00001/article_deploy/html/images/land-07-00001-g001-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g002-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g003-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g004-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g005-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g006-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g007-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g008-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g009-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g010-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g011-550.jpg](#)) [./land/land-07-00001/article_deploy/html/images/land-07-00001-g012-550.jpg](#))

[Show export options](#)

isplaying articles 1-39

[Previous Issue](#)

Volume 7, December [./2073-445X/6/4](#)

[Back to Top](#)[Top](#)

Article

System Properties Determine Food Security and Biodiversity Outcomes at Landscape Scale: A Case Study from West Flores, Indonesia

Neil French Collier ^{1,*}, Jeffrey Sayer ² , Agni Klintuni Boedhihartono ², Jan Hanspach ¹, Dave Abson ¹ and Joern Fischer ¹

¹ Faculty of Sustainability, Leuphana University, Universitätsallee 1, 21335 Lüneburg, Germany; hanspach@leuphana.de (J.H.); abson@leuphana.de (D.A.); joern.fischer@uni.leuphana.de (J.F.)

² Center for Tropical Environmental and Sustainability Science, James Cook University, McGregor Rd, Smithfield, QLD 4878, Australia; jeffrey.sayer@ubc.ca (J.S.); agni.boedhihartono@ubc.ca (A.K.B.)

* Correspondence: neilandertal@gmail.com; Tel.: +49-4131-677-2294

Received: 28 February 2018; Accepted: 17 March 2018; Published: 20 March 2018

Abstract: The food-biodiversity nexus is a concept that defines and characterizes the complex interactions between agricultural systems and biodiversity conservation. Here we use a social-ecological systems approach that combines fuzzy cognitive mapping and graph theoretic analyses to uncover system properties that determine food security and biodiversity outcomes at a landscape scale. We studied a rice-based agricultural landscape system situated in Mbeliling district of West Flores, Indonesia. A graphical representation of the Mbeliling district food-biodiversity nexus was created by local experts. The representation revealed system properties that help reconcile the trade-offs between food security and biodiversity conservation. The graph represented a diverse set of food security and biodiversity nodes, and showed that there is not a simple dichotomy between ‘production and protection’. The analysis captured greater complexity than popular academic concepts such as land sparing–land sharing or sustainable intensification. Three major themes emerged from the graph. We found distinct clusters of factors influencing biodiversity and food security. We named these sources of influence (1) Modernisation and sustainable farming; (2) Knowledge and management; and (3) Governance and processes. Component 2 was the most representative of emergent system properties that contribute positively to managing a sustainable food-biodiversity nexus in the Mbeliling landscape. The key determinants of outcomes were: improving agronomic practices, diversifying production, maintaining forest cover and connectivity, and using knowledge and natural resource management processes to mitigate the main drivers of change. Our approach highlights the complexities in the food-biodiversity nexus, and could have wide application in other locations.

Keywords: capital assets; endemic birds; food-biodiversity nexus; food system; fuzzy cognitive mapping; livelihoods; multi-functional landscape; social-ecological system

1. Introduction

Achieving food security for all people while conserving biodiversity and ecosystem services are two, strongly linked, challenges fundamental to securing global sustainability. Global leadership has committed to achieving food security and conserving biodiversity, for example, by agreeing to the Sustainable Development Goals (SDG2—End hunger, achieve food security and improved nutrition, and promote sustainable agriculture; [1]) and the Aichi Targets [2] for biodiversity loss. What is not clear and is contested by many parties is the appropriate way to reconcile these, often competing, goals [3–8].

Article

Post-War Land Cover Changes and Fragmentation in Halgurd Sakran National Park (HSNP), Kurdistan Region of Iraq

Rahel Hamad ^{1,*} , Kamal Kolo ² and Heiko Balzter ^{3,4} 

¹ Faculty of Science, Petroleum Geosciences Department, Soran University, Delzayan Campus, Soran 44008, Erbil, Iraq

² Scientific Research Centre (SRC), Soran University, Delzayan Campus, Soran 44008, Erbil, Iraq; kamal.kolo@soran.edu.iq

³ Centre for Landscape and Climate Research (CLCR), Department of Geography, University of Leicester, University Road, Leicester LE1 7RH, UK; hb91@leicester.ac.uk

⁴ National Centre for Earth Observation, University of Leicester, University Road, Leicester LE1 7RH, UK

* Correspondence: rahel.hamad@soran.edu.iq; Tel.: +964-750-413-2550

Received: 8 February 2018; Accepted: 13 March 2018; Published: 19 March 2018

Abstract: **Context:** The fundamental driving force of land use and land cover (LULC) change is related to spatial and temporal processes caused by human activities such as agricultural expansion and demographic change. Landscape metrics were used to analyze post-war changes in a rural mountain landscape, the protected area of Halgurd-Sakran National Park (HSNP) in north-east Iraq. Therefore, the present work attempts to identify the temporal trends of the most fragmented land cover types between two parts of the national park. **Objectives:** The objectives of this study are to compare two land cover classification algorithms, maximum likelihood classification (MLC) and random forest (RF) in the upper and lower parts of HSCZ, and to examine whether landscape configuration in the park has changed over time by comparing the fragmentation, connectivity and diversity of LULC classes. **Methods:** Two Landsat images were used to analyze LULC fragmentation and loss of habitat connectivity (before and after the Fall of Baghdad in 2003). Seven landscape pattern metrics, percentage of land (PLAND), number of patch (NP), largest patch index (LPI), mean patch size (MPS), euclidian nearest neighborhood distance (ENN_AM), interspersion and juxtaposition (IJI) and cohesion at class level were selected to assess landscape composition and configuration. **Results:** A significant change in LULC classes was noticed in the lower part of the park, especially for pasture, cultivated and forest-lands. The fragmentation trends and their changes were observed in both parts of the park, however, more were observed in the lower part. The inherent causes of these changes are the socio-economic factors created by the 1991–2003 UN post-war economic sanctions. The changes increased during sanctions and decreased afterwards. The fall of Baghdad in 2003, followed by rapid economic boom, marked the greatest cause in land use change, especially in changes-susceptible cultivated areas. **Conclusions:** Shrinkage of forest patches in the lower part of the park increases the distance between them, which contributes to a decline in biological diversity from decreasing habitat area. Lastly, the results confirm the applicability of the combined method of remote sensing and landscape metrics.

Keywords: Halgurd-Sakran National Park; remote sensing; GIS; landscape metrics; fragmentation

1. Introduction

Land is an essential and limited natural resource [1]. Utilizations of landscapes by people often result in a modification of land cover through changing human land use [2–4]. The ecological area or