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The objective of the journal Global and Planetary Change is to provide a multi-disciplinary overview of the processes taking place in the Earth System and involved in planetary change over time. The journal focuses on records of the past and current state of the earth system, and future scenarios, and their link to global environmental change.

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Global and Planetary Change | Journal | ScienceDirect.com by Elsevier

The Global Livestock Environmental Assessment Model is a GIS framework that simulates the bio-physical processes and activities along livestock supply chains under a life cycle assessment approach. ... Spatially explicit modelling of livestock distribution, climatic data, feed yields and biophysical processes that allows the capture of local ...

Global Livestock Environmental Assessment Model (GLEAM) | Food and ...

Enhancing health-care expenditure to mitigate negative health effects of environmental damage is often promoted by health-care practitioners. However, global supply chains that feed into the enhanced activity of health-care sectors in turn initiate adverse feedback cycles by increasing the environmental impact of health care, thus

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counteracting the mission of health care.

The environmental footprint of health care: a global assessment

Global rates of soil displacement by water erosion. The estimates are predicted through a RUSLE-based modelling approach integrated in a geographic information system (GIS) environment.

An assessment of the global impact of 21st century land use change on

...

The nominated candidate's previous contributions to iEMSs society activities and advancing the science of environmental modelling and software: Dr. Zhang participated many relevant conferences about environmental modeling, including the iEMSs official conferences in 2018, 2019, 2020.

iEMSs - International Environmental Modelling and Software Society

Global Summit on Advances in Earth

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Science and Climate Change will be held during September 15-16, 2022 in Paris, France. The world is dealing with a plethora of serious environmental challenges. Climate change, global warming, fresh water depletion, deforestation, air and water pollution are on an upswing at an alarming speed.

Climate Change Conferences | Earth Science Geology Meetings | 2022 ...

Contemporary societies live on a cultivated planet where agriculture covers ~38% of the land surface (). Humans strongly depend on the capacity of soils to sustain agricultural production and livestock, which contributes more than 95% of global food production (). The underlying agricultural systems are at the same time major drivers of soil and environmental degradation (3, 4) and a ...

Land use and climate change impacts on global soil erosion by

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The effects of climate change on human health include direct effects of extreme weather, leading to injury and loss of life, as well as indirect effects, such as undernutrition brought on by crop failures or lack of access safe drinking water. Climate change poses a wide range of risks to population health. The three main categories of health risks include: (i) direct-acting effects (e.g. due ...

Effects of climate change on human health - Wikipedia

For the sake of all life on earth, authorities everywhere must press for new policies that will address global environmental change including climate change, environmental degradation, and the looming threat of more zoonotic pandemics. ... Barbante C, Bertuzzo E. Permafrost dynamics and the risk of anthrax transmission: A modelling study ...

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Positive global environmental impacts of the COVID-19 pandemic lockdown ...

In our January 2020 global report, *Climate risk and response: Physical hazards and socioeconomic impacts*, we found that physical risk from climate change is already present and growing around the world. In this report, we look more closely at Asia. While climate science makes extensive use of scenarios ranging from lower (Representative Concentration Pathway 2.6) to higher (RCP 8.5) CO₂ ...

Climate change risk and response in Asia | McKinsey

Species distribution modelling (SDM), also known as environmental (or ecological) niche modelling (ENM), habitat modelling, predictive habitat distribution modelling, and range mapping uses computer algorithms to predict the distribution of a species across geographic space and time using environmental data. The environmental

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data are most often climate data (e.g. temperature, precipitation ...

Species distribution modelling - Wikipedia

Global change, including climate change, urbanization and global travel and trade, has affected the emergence and spread of infectious diseases. In the Review, Baker, Metcalf and colleagues ...

Infectious disease in an era of global change - Nature

Master students of the M.Sc. Global Change Geography will gain profound knowledge of current research questions, approaches and insights regarding the interactions between environment and society in the context of global change. ... Students learn to integrate scientific theories, findings, and procedures for analysing and modelling human ...

Master of Science Global Change Geography

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Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 Lancet. 2018 Nov 10;392(10159) :1923-1994. ...

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