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Special Issue
Monitoring and Evaluation of Geological Disaster Using Remote Sensing Technology

https://www.mdpi.com/journal/remotesensing/special_issues/9Y15N933VD
Impact Studies
Laureline Josset et al.,
Public Health, Socioeconomic and Environmental Impacts of Urban Land Subsidence

Tsimur Davydzenka et al.,
Unveiling the Global Extent of Land Subsidence: The Sinking Crisis

Mapping


Modelling

Ahmad Tourei et al.,
A hydromechanical EFG-based Model for Numerical Simulation of Land Subsidence Induced by Groundwater Extraction in Anisotropic Aquifers
https://eartharxiv.org/repository/view/6731/
New Literature

General
Tsimur Davydzenka et al.,
Unveiling the Global Extent of Land Subsidence: The Sinking Crisis

India
Ashwani Raju, Ramesh P. Singh, Praveen Kumar Kannojiya, Abhinav Patel, Saurabh Singh, Mitali Sinha,
Declining groundwater and its impacts along ganga riverfronts using combined Sentinel-1, GRACE, water levels, and rainfall data,
https://doi.org/10.1016/j.scitotenv.2024.170932.

Indonesia, Semarang
https://doi.org/10.1007/s11069-023-06398-9

Iran, Isfahan
Alireza Sharifi et al.,
Can river flow prevent land subsidence in urban areas?,
https://doi.org/10.1016/j.scitotenv.2024.170557.

Iran, Tehran
Aliakbar Shamsipour, Shayesteh Jahanshahi, Seyed Sajad Mousavi, Faezeh Shoja, Roghayeh Ansari, Safiyeh Tayebi, Seyed Ali Alavi, Ayyoob Sharifi,
Assessing and Mapping Urban Ecological Resilience using the Loss-Gain Approach: A Case Study of Tehran, Iran,
https://doi.org/10.1016/j.scs.2024.105252.

Mexico, Chinampa System
Marina Bobadilla García,
Understanding the Chinampa system to identify opportunities for better governance.
https://edepot.wur.nl/647319
Pakistan, Rawalpindi; Islamabad

Waqar Ali Zafar et al.,
Time series subsidence evaluation using NSBAS InSAR: a case study of twin megacities (Rawalpindi and Islamabad) in Pakistan

https://www.researchgate.net/publication/378463104_Time_series_subsidence_evaluation_using_NSBS_InSAR_a_case_study_of_twin_megacities_Rawalpindi_and_Islamabad_in_Pakistan

PR China, Beijing

Min Shi et al.,
Land subsidence in Beijing: response to the joint influence of the South-to-North Water Diversion Project and ecological water replenishment, observed by satellite radar interferometry

https://www.researchgate.net/publication/378240124_Land_subsidence_in_Beijing_response_to_the_joint_influence_of_the_South-to-North_Water_Diversion_Project_and_ecological_water_replenishment_observed_by_satellite_radar_interferometry

PR China, North China Plain

Yuyi Wang et al.,
Integrating SBAS-InSAR and Random Forest for Identifying and Controlling Land Subsidence and Uplift in a Multi-Layered Porous System of North China Plain


Samoa

Austin T Barnes et al.,
Rising Sea Levels and the Increase of Shoreline Wave Energy at American Samoa

https://www.researchgate.net/publication/378335364_Rising_Sea_Levels_and_the_Increase_of_Shoreline_Wave_Energy_at_American_Samoa

Spain, Gallur

Gracia, A.; Torrijo, F.J.; Garzón-Roca, J.; Pérez-Picallo, M. Identification and Mitigation of Subsidence in Karstic Areas with Sustainable Geotechnical Structures: A Case Study in Gallur (Spain). Preprints 2024, 2024020921. https://doi.org/10.20944/preprints202402.0921.v1

USA


https://www.tandfonline.com/action/showCitFormats?doi=10.1080%2F21683565.2024.2315849
USA, Baton Rouge

Carolina Hurtado-Pulido et al.,

Variations in Subsidence Patterns in the Gulf of Mexico Passive Margin From Airborne-LiDAR Data and Time Series InSAR: Baton Rouge Case Study

[link](https://www.researchgate.net/publication/378433956_Variations_in_Subsidence_Patterns_in_the_Gulf_of_Mexico_Passive_Margin_From_Airborne-LiDAR_Data_and_Time_Series_InSAR_Baton_Rouge_Case_Study)

Peat

The Netherlands

Mandy A. Van Den Ende et al.,

The transformative potential of experimentation as an environmental governance approach: The case of the Dutch peatlands


Ralf Aben et al.,

Using automated transparent chambers to quantify CO2 emissions and potential emission reduction by water infiltration systems in drained coastal peatlands in the Netherlands

[link](https://www.researchgate.net/publication/378389479_Using_automated_transparent_chambers_to_quantify_CO2_emissions_and_potential_emission_reduction_by_water_infiltration_systems_in_drained_coastal_peatlands_in_the_Netherlands)
Video

**Ghana, Volta Delta**

Seminar:

ASSESSING THE CONTRIBUTION OF COASTAL LAND SUBSIDENCE TO POTENTIAL SEALEVEL; THE GHANA’S VOLTA DELTA

Duration: 84 minutes

https://www.youtube.com/watch?v=jg3ef-fzi88&ab_channel=MeteorologicalVirtualSeminarSeriesGhana

**Indonesia, Timbulsloko**

An Indonesian village adapts to life on sinking land

An impressive video of village life in a sinking environment:


From the Press

**USA, Arizona**

Giant Fissures Are Opening Up Around The U.S. Due To Humans’ Groundwater Over Usage

https://twistedsifter.com/2024/02/giant-fissures-are-opening-up-around-the-u-s-due-to-humans-groundwater-over-usage/