



## Newsletter of the Unesco Land Subsidence International Initiative

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UNESCO Digital Library

<https://unesdoc.unesco.org/search/de3a24d9-3359-46f5-bd29-d710f337e8a0>

Type subsidence: The search results in 1124 hits on subsidence

Within these results, it is (e.g.) possible to select on themes or countries.

## New Literature

### ***Africa, West Africa***

Dada, O.A., Almar, R., Morand, P. et al. Future socioeconomic development along the West African coast forms a larger hazard than sea level rise. *Commun Earth Environ* 4, 150 (2023).

<https://doi.org/10.1038/s43247-023-00807-4>

### ***Brazil,***

Camila Schuch et al.,

Overexploitation Assessment in an Urban Karst Aquifer: The Case Of Sete Lagoas (MG), Brazil

[https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4450660](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4450660)

### ***PR China, Shanghai***

Zhang, Z., Hu, C., Wu, Z. et al. Monitoring and analysis of ground subsidence in Shanghai based on PS-InSAR and SBAS-InSAR technologies. *Sci Rep* 13, 8031 (2023). <https://doi.org/10.1038/s41598-023-35152-1>

### ***PR China, Wuhan***

Haonan Jiang et al.,

Multi-sensor InSAR time series fusion for long-term land subsidence monitoring

<https://www.tandfonline.com/doi/citedby/10.1080/10095020.2023.2178337?scroll=top&needAccess=true&role=tab&aria-labelledby=cit>

### ***PR China, Xuzhou***

Zheng Meinan et al.,

Surface subsidence disasters over Xuzhou city, China 2014–2018 revealed by InSAR and Peck model

DOI: 10.1007/s12665-023-10937-9

[https://www.researchgate.net/publication/370840578\\_Surface\\_subsidence\\_disasters\\_over\\_Xuzhou\\_city\\_China\\_2014-2018\\_revealed\\_by\\_InSAR\\_and\\_Peck\\_model](https://www.researchgate.net/publication/370840578_Surface_subsidence_disasters_over_Xuzhou_city_China_2014-2018_revealed_by_InSAR_and_Peck_model)

### ***Indonesia, Kalimantan***

D Astiani et al.,

Partition of Carbon Losses on CO<sub>2</sub> Emission and Peat Subsidence in an Open-Drained Tropical Peatlands: A Consideration for Agroforestry Practices

<https://iopscience.iop.org/article/10.1088/1755-1315/1153/1/012025>

**Mexico,**

Hugo Luna-Villavicencio et al.,

Determination of Susceptibility to the Generation of Discontinuities Related to Land Subsidence Using the Frequency Ratio Method in the City of Aguascalientes, Mexico

<https://www.mdpi.com/2072-4292/15/10/2597>

**Mexico, Mexico City**

Laura Ermert, Enrique Cabral Cano et al.,

Probing environmental and tectonic changes underneath Ciudad de México with the urban seismic field

<https://egusphere.copernicus.org/preprints/2023/egusphere-2022-1361/egusphere-2022-1361.pdf>

**The Netherlands, Waddenzee**

Paula de la Barra et al.,

Gas extraction under intertidal mudflats is associated with changes in sediment structure and macrozoobenthic invertebrate communities

DOI: 10.1101/2023.05.09.539962

[https://www.researchgate.net/publication/370663131\\_Gas\\_extraction\\_under\\_intertidal\\_mudflats\\_is\\_associated\\_with\\_changes\\_in\\_sediment\\_structure\\_and\\_macrozoobenthic\\_invertebrate\\_communities](https://www.researchgate.net/publication/370663131_Gas_extraction_under_intertidal_mudflats_is_associated_with_changes_in_sediment_structure_and_macrozoobenthic_invertebrate_communities)

**Nigeria**

Regina Folorunsho et al.,

The Salient Issues of Coastal Hazards and Disasters in Nigeria

<https://www.scirp.org/journal/paperinformation.aspx?paperid=125316>

## Peat

Temmink, R.J.M., Robroek, B.J.M., van Dijk, G. et al. Wetscapes: Restoring and maintaining peatland landscapes for sustainable futures. *Ambio* (2023). <https://doi.org/10.1007/s13280-023-01875-8>

Mining

Chunyi Li

***PR China***

Calculation Model for Progressive Residual Surface Subsidence above Mined-Out Areas Based on Logistic Time Function

DOI: 10.3390/en15145024

[https://www.researchgate.net/publication/361906986\\_Calculation\\_Model\\_for\\_Progressive\\_Residual\\_Surface\\_Subsidence\\_above\\_Mined-Out\\_Areas\\_Based\\_on\\_Logistic\\_Time\\_Function](https://www.researchgate.net/publication/361906986_Calculation_Model_for_Progressive_Residual_Surface_Subsidence_above_Mined-Out_Areas_Based_on_Logistic_Time_Function)

## Vacancy

### ***The Netherlands***

Research Assistant - Investigating Greenhouse Gas balance in fen meadow landscapes

Published on May 15, 2023

Location Wageningen

End date Mon 12 June 2023

<https://www.wur.nl/en/vacancy/research-assistant-investigating-greenhouse-gas-balance-in-fen-meadow-landscapes.htm>

## From the Press

### ***Australia, Queensland***

Review of CSG-induced subsidence

Queensland's resources and agricultural sectors are vital to our economy and the success of our regions, so it's important that they coexist well together.

Read more about our response to the GFCQ's review of CSQ-induced subsidence (PDF, 144.8KB).

[https://www.resources.qld.gov.au/data/assets/pdf\\_file/0003/1705314/response-to-gfcq-subsidence-recommendations.pdf](https://www.resources.qld.gov.au/data/assets/pdf_file/0003/1705314/response-to-gfcq-subsidence-recommendations.pdf)

### ***Greece, Thessaloniki Airport***

Displacement in Thessaloniki International Airport "Makedonia"

<https://www.groundstation.space/monitoring-of-infrastructures-with-dinsar/>

### ***USA***

Subsidence article in Washington Post:

Land around the U.S. is sinking. Here are some of the fastest areas.

Cities aren't only seeing sea level rise. Parts of them are also sinking.

<https://www.washingtonpost.com/climate-environment/2023/05/30/land-sinking-us-subsidence-sea-level/>

[www.washingtonpost.com](http://www.washingtonpost.com)

