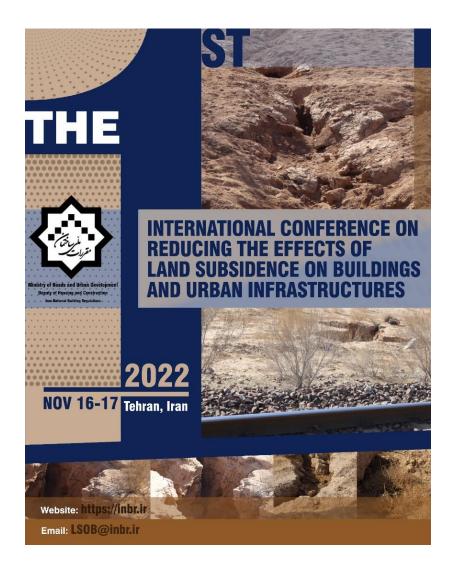


Newsletter of the Unesco Land Subsidence International Initiative

Vol.27 June 2022

Conference Announcement



New Literature

Bangladesh,

Md. Ashrafuzzaman et al.,

Dynamics and Causes of Sea Level Rise in the Coastal Region

of Southwest Bangladesh at Global, Regional, and Local Levels

https://www.mdpi.com/2077-1312/10/6/779

Indonesia, Lampung Province

Redho Surya Perdana et al.,

Determining The Location of Land Subsidence Observation Points Based on Lithological Data and Land Cover Changes in Lampung Province

https://jurnal.uns.ac.id/GeoEco/article/view/50412/0

Iran

Mahdi Panahi, Khabat Khosravi, Ali Golkarian, Mahsa Roostaei, Rahim Barzegar, Ebrahim Omidvar, Fatemeh Rezaie, Patricia M. Saco, Alireza Sharifi, Changhyun Jun, Sayed M. Bateni, Chang-Wook Lee & Saro Lee (2022) A country-wide assessment of Iran's land subsidence susceptibility using satellite-based InSAR and machine learning, Geocarto International, DOI: 10.1080/10106049.2022.2086631

https://www.tandfonline.com/doi/abs/10.1080/10106049.2022.2086631?src=&journalCode=tgei20

Italy, Po Plain

Celine Eid et al.,

Fluid Production Dataset for the Assessment of the Anthropogenic Subsidence in the Po Plain Area (Northern Italy)

June 2022Resources 11(6):53 Follow journal

DOI: 10.3390/resources11060053

https://www.researchgate.net/publication/361033471 Fluid Production Dataset for the Assessment of the Anthropogenic Subsidence in the Po Plain Area Northern Italy

PR China, Shandong Province

Li, F.; Liu, G.; Gong, H.; Chen, B.; Zhou, C. Assessing Land Subsidence-Inducing Factors in the Shandong Province, China, by Using PS-InSAR Measurements. Remote Sens. 2022, 14, 2875. https://doi.org/10.3390/rs14122875

https://www.mdpi.com/2072-4292/14/12/2875

PR China, Shanghai

Shan, X., Wang, J., Wen, J. et al. Using Multidisciplinary Analysis to Develop Adaptation Options against Extreme Coastal Floods. Int J Disaster Risk Sci (2022). https://doi.org/10.1007/s13753-022-00421-6

PR China, Wuhan Province

Zhao, Y.; Zhou, L.; Wang, C.; Li, J.; Qin, J.; Sheng, H.; Huang, L.; Li, X. Analysis of the Spatial and Temporal Evolution of Land Subsidence in Wuhan, China from 2017 to 2021. Remote Sens. 2022, 14, 3142. https://doi.org/10.3390/rs14133142

https://www.mdpi.com/2072-4292/14/13/3142

SE Asia

Anna-Katharina Hornidge et al.,

THE 'WICKEDNESS' OF GOVERNING LAND SUBSIDENCE: POLICY PERSPECTIVES FROM URBAN SOUTHEAST ASIA

External Publications (2021)

PLoS ONE 16 (6), article e0250208

https://www.idos-research.de/en/others-publications/article/the-wickedness-of-governing-land-subsidence-policy-perspectives-from-urban-southeast-asia/

Spain, Alto Guadalentín Aquifer

Béjar-Pizarro, Marta et al. "Interpolation of GPS and Geological Data Using InSAR Deformation Maps: Method and Application to Land Subsidence in the Alto Guadalentín Aquifer (SE Spain)." Remote Sensing 8.11 (2016): 965. Web.

https://www.academia.edu/81447914/Interpolation of GPS and Geological Data Using InSAR D eformation Maps Method and Application to Land Subsidence in the Alto Guadalent%C3%AD n Aquifer SE Spain

USA, California

Matthew Lees et al.,

Development and Application of a 1D Compaction Model to Understand 65 Years of Subsidence in the San Joaquin Valley

https://doi.org/10.1029/2021WR031390

And USGS Report:

Hydrogeology and Simulation of Groundwater Flow in the Lucerne Valley Groundwater Basin, California

Scientific Investigations Report 2022-5048

Prepared in cooperation with the Mojave Water Agency

By: Christina Stamos-Pfeiffer, Joshua D. Larsen, Robert E. Powell, Jonathan C. Matti, and Peter Martin

https://doi.org/10.3133/sir20225048

Mining

PR China, Huainan City

Wang, X. et al., Response of Land Use and Net Primary Productivity to Coal

Mining: A Case Study of Huainan City and Its Mining Areas. Land 2022, 11, 973. https://doi.org/10.3390/land11070973

https://www.mdpi.com/2073-445X/11/7/973/pdf?version=1656237185

USA, Pennsylvania

DEP unveils new website to identify mine-subsidence risk

https://archive.triblive.com/news/pennsylvania/dep-unveils-new-website-to-identify-mine-subsidence-risk/

Modelling

Hao-Jie Li, Hong-Hu Zhu, Hai-Ying Wu, Bao Zhu, Bin Shi, Experimental investigation on pipe-soil interaction due to ground subsidence via high-resolution fiber optic sensing, Tunnelling and Underground Space Technology, Volume 127, 2022, 104586, ISSN 0886-7798,

https://doi.org/10.1016/j.tust.2022.104586.

YOUTUBE

About 7 minutes:

Learn about why land is sinking, often much faster than sea level is rising. ... Land Subsidence

https://www.youtube.com/watch?v=Xw15iM5XqXw&ab channel=alanzvids

From the Press

India, Lucknow

Lucknow, a case study for permanently disappearing aquifers in north India

https://india.mongabay.com/2022/06/lucknow-a-case-study-for-permanently-disappearing-aquifers-in-north-india/

Iran

A brief review of destruction of environment in Iran in four decades

https://iran-hrm.com/2022/06/05/destruction-of-environment-in-iran-in-four-decades/