vEGU21 Media Tip Sheet: COVID-19-related sessions

While the coronavirus pandemic has ground some research to a halt, some geoscientists have shifted to interdisciplinary COVID-related research: mapping the biggest threats to infection, tackling misinformation, and modeling the spread of disease. The following abstracts showcase some of latest research on human health, misinformation, and public policy.

Week 1 (19-23 April)

[Examining the impact of COVID-19 on research and the scientific community](SC2.1) (SC2.1)
This Short Course explores the pandemic's impacts on research activities and careers and how the practicalities of doing research may have changed for the long term.
Mon 19 Apr 16:00-17:00 CEST

[First Report of the WMO COVID-19 Task Team on Meteorological and Air Quality (MAQ) factors affecting the COVID-19 pandemic]
An international and interdisciplinary team created to inform policymakers and the public of how meteorological and air quality issue might impact COVID—especially important as information and research rapidly develop. This presentation discusses their key findings and future monitoring plans.
Fri 23 Apr 15:05 CEST
Session US2: Post-Covid Geosciences

[Tracking COVID-19 in Real-time: Challenges Faced and Lessons Learned]
A dashboard launched in January 2020 visualises and tracks confirmed cases, deaths, and recoveries of COVID-19 around the world. This keynote highlights how this freely available resource, which has been used by governments and national news outlets, evolved and what might change in the future.
Fri 23 Apr 16:20 CEST
Session US2: Post-Covid Geosciences

Week 2 (26-30 April)

[Towards psychological herd immunity: Cross-cultural evidence for two prebunking interventions against COVID-19 misinformation]
Researchers test the effectiveness of two "prebunking" techniques, aimed at training people to spot misinformation, in three different cultural settings.
Tues 27 Apr 14:15 CEST
Session EOS7.10: Science to Action: Communication of Science and strategies to fight misinformation – Practice, Research and Reflection?

Remote data collection methods to inventory COVID-19 interventions in low-income urban settlements

About 1/8 or the world lives in slums, creating significant challenges to health and livelihoods during a global pandemic. Researchers used a smartphone application to track hindrances to health and inform where to best direct wellness interventions in Kibera, Kenya.

Thurs 29 Apr 14:20 CEST

Session ITS1.1/NP0.2: Covid-19 pandemic: health, urban systems and geosciences

Vulnerability mapping to Covid-19 of the metropolitan area in central Tuscany

Researchers map the vulnerability of Tuscany residents to natural hazards, like the pandemic, based on demographics, health, and infrastructure. The results show who most vulnerable to hazards, and where to bolster areas that are lacking.

Thurs 29 Apr 14:24 CEST

Session ITS1.1/NP0.2: Covid-19 pandemic: health, urban systems and geosciences

A reflexion on the environmental effect on the transmission of COVID-19

An analysis of what factors—humidity, air temperature, solar radiation—help proliferate diseases like COVID or influenza. Researchers also discuss what actions can be taken to reduce disease spread.

Thurs 29 Apr 15:34 CEST

Session ITS1.1/NP0.2: Covid-19 pandemic: health, urban systems and geosciences

Investigating the effects of COVID-19 to crime rates through a geospatial approach: the case of New York, USA

Researchers use geoinformation to look for patterns between crimes and COVID-19 spread in New York City, USA as a case study for large, metropolitan regions.

Thurs 29 Apr 15:48 CEST

Session ITS1.1/NP0.2: Covid-19 pandemic: health, urban systems and geosciences

How the COVID-19 pandemic is teaching us to tackle the climate crisis

Researchers look at how COVD and climate change can both cause compounded impacts to certain regions and populations, and how that information can be used to protect the most vulnerable.

Thurs 29 Apr 16:02 CEST

Session ITS1.1/NP0.2: Covid-19 pandemic: health, urban systems and geosciences