AW3D Newsletter vol. 37

April 18th, 2022

Welcome to the latest edition of the AW3D newsletter.
We're excited to share the latest news, tips, and resource for geospatial data specialists.

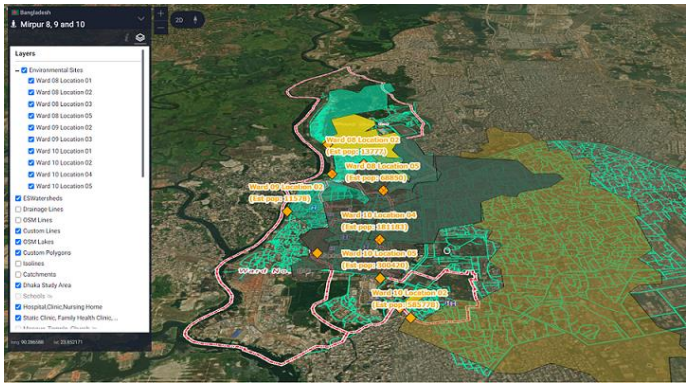
It's already April. How time flies!
Most universities in Japan begin in April and AW3D products have been used for their research purposes. Let us introduce the latest two case studies performed by universities.

Thanks for reading.
-AW3D sales team

3D Map of the Month: Tulip fields Zijpe, one of the most attractive tulip regions of the Netherlands

AW3D Ortho is one of the highest quality orthorectified imagery in the world you can purchase it as a bundle with "AW3D Enhanced" DEM products. Thanks to AW3D Ortho, you can view the entire area of interest easily. Please visit here for more details.

Case Study: Tracking of “COVID-19 and other enteric diseases” by studying sewage – Bangladesh, Pakistan



Covid-19 hotspots with sewage lines using AW3D Enhanced in Dhaka, Bangladesh

AW3D DEM data plays a key role in integrated environmental surveillance for COVID-19 conducted by the University of Virginia, and collaborators from icddr,b, and Imperial College London. The Bill and Melinda Gates Foundation supports the project.

Accurate tracking needs to select sites for wastewater sampling accurately and effectively. Thanks to using affordable but highly accurate AW3D enhanced DTM, it became possible to locate environmental surveillance sites with the highest precision and track all sewage lines in the study area. As a result, SARS-CoV-2, the virus that causes COVID-19, was first detected in the environmental samples in mid-March,2020 well ahead of the rise in COVID-19 cases in Bangladesh. In addition, it is possible to roll out targeted public health interventions to mitigate COVID-19, such as "local lockdown," where transmission is high,instead of a country-wide lockdown.

Please visit here for more details.

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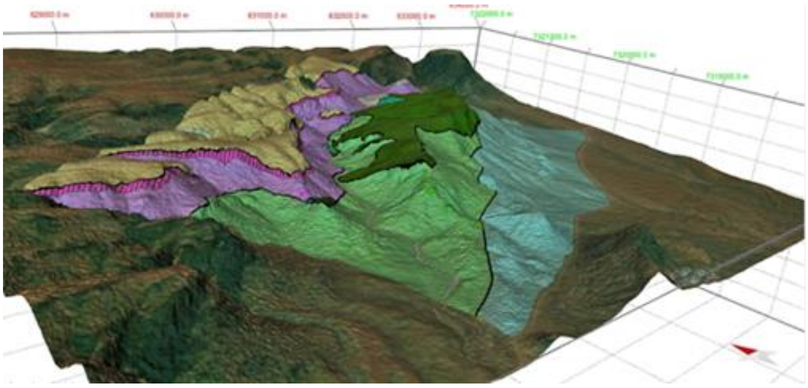
Case Study: 3D kinematic model of the structurally complex the Naukluft mountains helps mitigate seismic hazard – Namibia



A geological map of the area surrounding Olive Trail, in the south of the Naukluft mountains, generated by Petroleum Experts' MOVE software using the elevation data from AW3D. The field of view is 4 by 5 km2.

For the research on mitigating seismic hazards of the Naukluft mountains in Namibia, McGill University selected "AW3D" because of its high accuracy and resolution, even its competitive price.

Hazard mitigation requires a better understanding of the three-dimensional structure of these tectonic systems, their seismic behavior, and their evolution. Using the data from AW3D and field mapping, a 3D model of the structurally-complex areas of the Naukluft mountains was produced. This 3D model explores nappe architecture, fault connectivity, and relative timing of faults across various scales.

Please visit here for more details.

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Any questions, comments, or suggestions are always welcome. We can be reached via here.

Thanks for tuning in,
The AW3D sales team
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