

WorldDEM Now Entirely Edited and Available via Streaming



Airbus Defence and Space has announced that the entire edited WorldDEM database, together with the already available WorldDEM4Ortho dataset, is now available via streaming. This online access to the WorldDEM and WorldDEM4Ortho of the entire Earth's landmass facilitates a wide range of applications such as line-of-sight analysis, hydrological modelling, satellite imagery orthorectification and much more.

Following the comprehensive global acquisition campaign and subsequent processing effort, WorldDEM data is now available for the entire world in an edited version. This dataset corresponds to a hydro-enforced Digital Surface Model with water surfaces of lakes and reservoirs set to a single elevation, rivers and canals are flattened with monotonic flow, oceans are set to zero and coastal infrastructure features are removed.

WorldDEM4Ortho, based on the global WorldDEM dataset, is tailored for orthorectification of high and very high-resolution optical and radar satellite data. It enables corrections of all distortions induced by the topographical variations of the Earth's surface and the satellite orientation when acquiring the image.

[WorldDEM](#) is the first global homogeneous, single-source, high-precision Digital Elevation Model (DEM), whose accuracy and quality surpass that of any global satellite-based elevation model available today. WorldDEM closes gaps with high accuracy in areas where no adequate DEM exists to date by providing standardised DEMs for any spot on Earth at the same quality.

<https://www.hydro-international.com/content/news/worlddem-now-entirely-edited-and-available-via-streaming>
