

## Press Release

Communications, Intelligence and Security

### **WorldDEM now entirely edited and available via streaming**

Friedrichshafen, 31 October 2018 – Airbus Defence and Space announced that the entire edited WorldDEM database, together with the already available WorldDEM4Ortho dataset, are 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.

\*\*\*

#### **About Airbus**

Airbus is a global leader in aeronautics, space and related services. In 2017 it generated revenues of € 59 billion restated for IFRS 15 and employed a workforce of around 129,000. Airbus offers the most comprehensive range of passenger airliners from 100 to more than 600 seats. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as one of the world's leading space companies. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

#### **Media contact**

Fabienne Grazzini      + 33 (0) 6 76 08 39 72      [fabienne.grazzini@airbus.com](mailto:fabienne.grazzini@airbus.com)