



NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

Office of Corporate Communications

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Arctic DEM project highlights new elevation models to the public

New data includes surface detail from mainland Canada and Russia

SPRINGFIELD, Virginia — The ArcticDEM project, a public-private initiative to produce high-resolution, high-quality digital elevation models (DEMs) of the Arctic have released the largest addition of new elevation models to the project Feb. 14.

The ArcticDEM project is a continued collaboration between NGA, the Polar Geospatial Center, and Esri to produce high resolution elevation models to support scientific and national security implications in the Arctic. According to Esri, a global leader in spatial analytics, ArcticDEM can meet the need for high-quality elevation data in remote locations and provide accurate measurement of topographic change.

New elevation models on the public [online portal](#) display surface detail from mainland Canada and Russia. In many locations, the models are created from images collected on multiple dates, allowing anyone to see how the landscape changes over time.

“The release includes a much broader area of the Arctic geography than ever before, comprising more populated areas that will see a substantive benefit from access to this kind of detailed location data,” said Don Kerr, Chief of News and Information, National Geospatial-Intelligence Agency.

The National Geospatial-Intelligence Agency presented new ArcticDEM elevation data at Esri’s 20th annual [FedGIS Conference](#), February 13-14, at the Walter E. Washington Convention Center in Washington, D.C.

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NGA delivers world-class geospatial intelligence that provides a decisive advantage to policymakers, warfighters, intelligence professionals and first responders.

NGA is a unique combination of intelligence agency and combat support agency. It is the world leader in timely, relevant, accurate and actionable geospatial intelligence. NGA enables the U.S. intelligence community and the Department of Defense to fulfill the president's national security priorities to protect the nation.

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