

The Modernized U.s. National Spatial Reference System – Aligning National Geospatial Data to the Globe

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Key words: Keyword 1; Keyword 2; Keyword 3

SUMMARY

The Theme for this Working Week is "Protecting Our World, Conquering New Frontiers." To achieve this, geospatial data from many different sources must be interoperable and defined within a modern, accurate, inclusive reference frame. The National Oceanic and Atmospheric Administration's (NOAA) mission to understand and predict changes in climate, weather, ocean and coasts also includes a mandate to define, maintain and provide access to the National Spatial Reference System (NSRS). Tracing roots back to the first federal scientific agency in the United States, NOAA's National Geodetic Survey (NGS) enables mapping and charting and provides the framework for positioning in the U.S. through the NSRS. The NSRS modernization, underway for a decade and nearly complete, will align the critical U.S. geospatial data assets within global data inventories and enable improved analysis and modeling of climate changes and impacts to society and the environment. The modernized NSRS enables data integration of new and old technologies, adopts modern standards and empowers growth in new fields and applications.

Bio:

Juliana oversees the management and delivery of the National Spatial Reference System, the nation's consistent coordinate system for latitude, longitude, height, gravity measurements and shoreline. Ms. Blackwell serves as Chair of the Federal Geodetic Control Subcommittee of the Federal Geographic Data Committee, exercising government-wide leadership in the development and improvement of geodetic surveying specifications, methods, instrumentation, and data transfers. She is a member of NOAA's Hydrographic Services Review Panel, a federal advisory committee providing advice to the NOAA Administrator on matters related to hydrographic services. She represents NOAA on the interagency Alaska Mapping Executive Committee and the 3D Elevation Program Executive Forum and serves as Vice Chair of the Civil Applications Committee.

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