

## Summary of Federal Advisory Committee Meeting

Committee Name:	National Geospatial Advisory Committee
Designated Federal Officer:	Josh Delmonico, Executive Director, Federal Geographic Data Committee
Chair:	Maggie Cawley, OpenStreetMap
Meeting Dates:	December 4, 2024
Meeting Location:	Webinar via Teams
Summary of Meeting: <i>(Summarize the meeting, how many members in attendance, topics discussed, any input from members of the public, etc.)</i>	<p>The National Geospatial Advisory Committee (NGAC) held a public meeting on December 4, 2024 from 1:00 – 4:15pm ET. The meeting was held via webinar. In accordance with the requirements of the Federal Advisory Committee Act, the meeting was open to the public. There were 21 NGAC members present, the Designated Federal Officer (DFO) and alternate DFO, and 32 attendees.</p> <p>Agenda topics included a DOI Leadership discussion with Ms. Annalise Blum, on behalf of Federal Geographic Data Committee (FGDC) Chair Michael Brain, a review and status of NGAC recommendations and resolutions from 2008 to present, NGAC subcommittee report outs, presentations on the value of government data, Addresses presented by the Department of Transportation, and core Federal geospatial datasets from NGA and U.S. Census. There were also lightning talks from NGA and the Taylor Geospatial Institute. NGAC is also developing a multi-year roadmap which will include short and long-term goals. The following subcommittees gave updates on their work products: the Landsat Advisory Group, 3DEP, Geospatial Data Act (GDA), and the National Spatial Data Infrastructure (NSDI) subcommittee.</p>
Recommendations: <i>(List any recommendations that resulted from the meeting.)</i>	<p><b>Review and Adoption of April 2024 National Geospatial Advisory Committee (NGAC) Minutes</b>  <b>DECISION:</b> The NGAC adopted the minutes of the October 16 - 17, 2024 NGAC meeting.</p> <p><b>Adoption of the following 3D Elevation Subcommittee (3DEP) Recommendations:</b></p> <ul style="list-style-type: none"> <li>● <b>DECISION:</b> The NGAC endorsed the following recommendations for 3DEP research priorities and industry engagement: <ul style="list-style-type: none"> <li>○ RECOMMENDATION 1: Potential Academic Collaboration with the 3DEP Research Program The 3DEP Subcommittee recommends that USGS engage with the research community to hold a Community Meeting related to further advancement of the 3DEP research plan and to explore common interests and opportunities.</li> <li>○ Theme 3: Engage and Leverage the Changing 3D Industry, read more: <ul style="list-style-type: none"> <li>● RECOMMENDATION 2: USGS should participate with ASPRS, JALBTCX, and NOAA on the evolution of Total Propagated Uncertainty Modeling. The result will provide the 3DEP Program with specific data elements to assess existing technologies, and potential innovative technologies. The data elements should be reviewed annually for effectiveness.</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• RECOMMENDATION 3: Full 3D accuracy testing provides a more complete and concrete understanding and assessment of Total Propagated Uncertainty and the enhanced ability for Change Detection between data sets. The methodology implemented should be a survey grade 3D scanner data capture of a large object which corresponds to a 3D airborne Lidar data capture of the same object. The 3D laser scanner operator will have the data registered to Survey Control for effective analysis of the two data sets. USGS should determine a schedule of regular review including a random check of data.</li> <li>• RECOMMENDATION 4: Since the inception of 3DEP the Base Specification has provided consistency and clarity to the data acquisition process. USGS should consider a Benchmarking Process for the “Base Specification”.</li> <li>• RECOMMENDATION 5: USGS should collaborate with Academia, Government Agencies, and the private sector to identify streamlined approaches to QA/QC.</li> </ul> <p>○ RECOMMENDATION 6: At the NGAC’s April 2-4, 2024 meeting, the following session was held: 3DEP for Transportation Panel Discussion – Gary Thompson (NGAC Chair).</p> <p style="padding-left: 40px;"><b>Focus: Benefits of the usage of 3DEP data for Transportation efforts</b></p> <p style="padding-left: 40px;">Dr. David Maidment, University of Texas, Austin  Brad Doucet, Louisiana Dept. of Transportation  Matt Lauffer, North Carolina Dept. of Transportation  Q&amp;A with audience.</p> <p>A number of NGAC members commented that the session would be beneficial to State Departments of Transportation (DOT), to showcase the benefits of utilizing 3DEP data for state transportation projects. The NGAC recommends that the US Department of Transportation and the USGS, 3D Elevation Program host a similar panel, or two, <u>with an overview of the USGS 3DEP program</u> for State DOTs. The primary audience should be State DOT personnel. NGAC members will provide assistance in outreach to potential attendees, making sure that at least 25 State DOTs are in attendance.</p>
<p>Decisions: <i>(Include decisions to create subcommittees, dates for next meeting, topics for agenda, etc.)</i></p>	<p><b>NGAC + FGDC Standards Update</b></p> <ul style="list-style-type: none"> <li>• <b>ACTION:</b> NGAC will continue to track FGDC’s activities as it finalizes and implements the charter for the Standards Working Group and continues work on identifying interoperability standards.</li> </ul> <p><b>Revisiting the Roadmap</b></p> <ul style="list-style-type: none"> <li>• <b>ACTION:</b> The NGAC draft roadmap updates are to be reviewed at the February meeting, with an emphasis on collaborative governance and prioritization of impactful projects.</li> </ul>

	<p><b>Geospatial Data Act of 2018 (GDA) Subcommittee</b></p> <ul style="list-style-type: none"> <li>• <b>ACTION:</b> The NGAC GDA Subcommittee is to finalize their topics for report recommendations and prepare it for NGAC review in February 2025.</li> </ul> <p><b>National Spatial Data Infrastructure (NSDI) Subcommittee</b></p> <ul style="list-style-type: none"> <li>• <b>ACTION:</b> NGAC subcommittee members will work with FGDC to review their draft “Quick Wins” paper and provide feedback by early January.</li> </ul> <p><b>Landsat Advisory Group (LAG)</b></p> <ul style="list-style-type: none"> <li>• <b>ACTION:</b> The NGAC subcommittee will submit their draft paper titled, <i>Beyond the Water's Edge: Future Data Products and National Land Imaging Opportunities</i>, to NGAC with ample time to review in advance of the next meeting.</li> </ul> <p><b>Next Meeting</b></p> <p>The next meeting of the NGAC is scheduled for February 19 &amp; 20, from 1:00 – 5:00pm ET. The meeting will be held via webinar. Additional information will be provided prior to the meeting.</p>
<p><i>Comments: (Use this field to add any additional comments or to explain why there were no decisions or recommendations made at the meeting.)</i></p>	
<p><b>Secretarial Priorities:</b> (Use this field to add any information on the Committee’s activities in furtherance of priorities)</p>	<p>The NGAC is a statutorily established federal advisory committee directed to provide advice and recommendations to the Secretary of the Interior, in their role as the mandated Chair of Federal Geographic Data Committee (FGDC), on the management of Federal and national geospatial programs, the development of the National Spatial Data Infrastructure, and the implementation of the Geospatial Data Act of 2018.</p>
<p>Date prepared:</p>	<p>December 18, 2024</p>
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