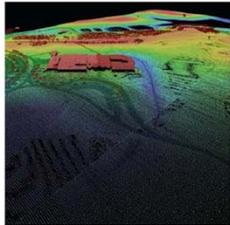
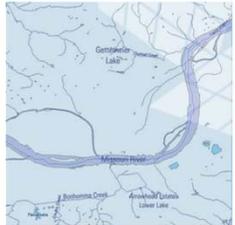
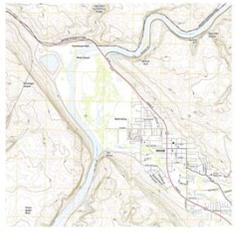


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Overview of the 3D Elevation Program Broad Agency Announcement (BAA) Process



April, 2015

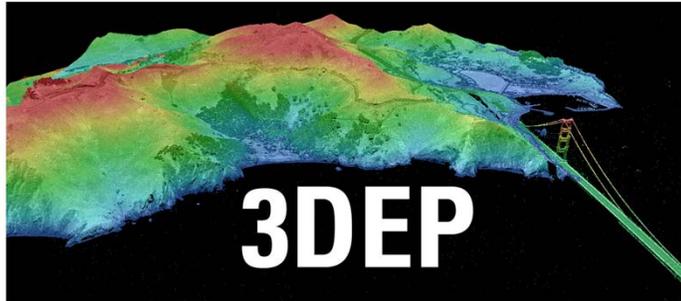
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3D Elevation Program (3DEP)

BAA National Webinar - PURPOSE

2

- Provide a comprehensive overview of the Fiscal Year 2015 Broad Agency Announcement (BAA) process
- Introduce the upcoming 3DEP State and Regional Coordination Workshops



Good afternoon and welcome everyone to the 3D Elevation Program public meetings.

I am Vicki Lukas, the Chief of Topographic Data Services in the National Geospatial Program of the USGS.

We greatly appreciate your interest in the 3DEP program and happy that you've taken the time to join us today.

The purpose of today's webinar is to

Provide a comprehensive overview of the Fiscal Year 2015 Broad Agency Announcement (BAA) process and

Introduce the upcoming 3DEP State and Regional Coordination Workshops

We are excited about sharing our new data acquisition process with you to ensure it is successful.

+

3D Elevation Program (3DEP)

BAA National Webinar - LOGISTICS

3

- Everyone but the speakers are on mute for the duration of the call
- Please use chat feature to submit questions – see the panel on the right
- Questions will be addressed after the presentation
- If we can't address all your questions during this session we will follow up by posting answers to the webpage:

www.geoplatform.gov/elevation/3DEP/PublicMeetings



Before we dive into the agenda, let's cover a bit of housekeeping.

- Everyone but the speakers are on mute for the duration of the call
- Please use chat feature to submit questions – see the panel on the right
- Questions will be addressed after the presentation
- If we can't address all the questions during this session we will follow up by posting answers to the webpage: www.geoplatform.gov/elevation/3DEP/PublicMeetings



3D Elevation Program (3DEP)

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BAA National Webinar - AGENDA

- **3DEP Program Overview** – *Vicki Lukas*
- **Summary of the Fiscal Year 2014 BAA Results** – *Diane Eldridge*
- **Overview of the Fiscal Year 2015 BAA Process** – *Diane Eldridge*
 - **Timeline**
 - **Criteria**
 - **Communication - Web Pages**
 - **State and Regional Public Workshops**
 - **Purpose, Registration**
 - **3DEP BAA Areas of Interest “Project Collector Tool”**
 - **Project Viewer – Seasketch**
- **Questions and Answers** – *facilitated by Allyson Jason*



Moving on to the agenda, again we have a full presentation, designed to provide a comprehensive look at the 3DEP data acquisition process.

Our presentation will begin with a brief 3DEP Program Overview that I will provide.

Next, Diane Eldridge will take over and provide a summary of the results from the Fiscal Year 2014 BAA , as background to the next topic, which is the primary purpose of today’s meeting – to introduce and provide an overview of our upcoming Fiscal Year 2015 BAA process which will result in project awards in FY16 .

As part of this discussion, we will present the timeline, discuss the criteria for the selection of BAA projects

point you to our Web pages which are the primary means of keeping you informed, discuss the upcoming state and regional Public workshops, including the purpose of these meetings, how you can participate,

and Diane will provide a demonstration of the project collector and Viewer tools.

Allyson Jason will facilitate our question and answer session.

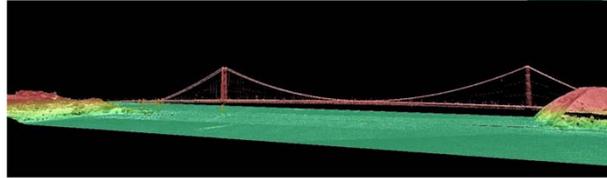
So lets get started.

+ 3D Elevation Program (3DEP)

5

Applies ground-breaking lidar technology to acquire and distribute 3D data

Addresses a broad range of critical applications of national significance



- 3D data include surface elevations and natural and constructed features
- 3DEP increases the quality level of lidar being acquired to enable more accurate understanding, modeling, and prediction
- Goal to acquire national coverage in 8 years



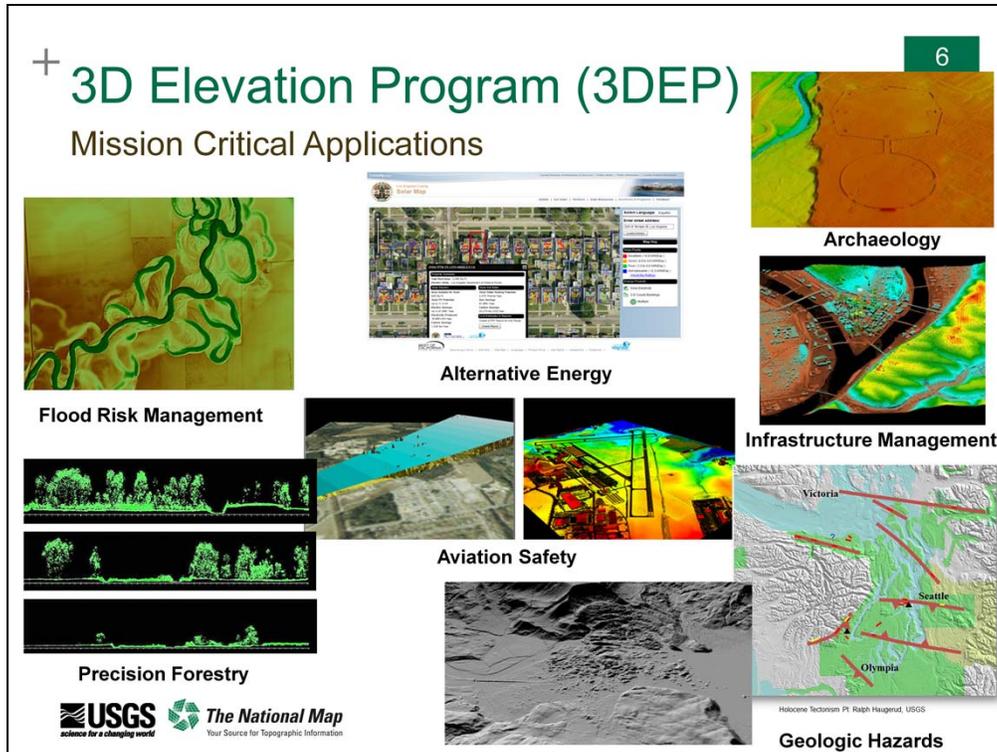
You may be familiar with the long history of the USGS in providing elevation data, first through contours on our topographic maps and later by digital data in the National Elevation Dataset.

The 3D Elevation Program is our newest effort to provide national elevation data.

We believe this program is transformational because it applies ground-breaking lidar data to provide not only a higher resolution bare earth elevation surface, but it also provides us with 3-dimensional data of all the natural and constructed features. These data are transforming industries and creating new applications never before possible.

The program also calls for increasing the quality level of lidar data being acquired because it meets many more mission critical applications.

Our goal is to acquire national lidar coverage in 8 years, with ifsar data in Alaska.



For most of our presentations we like to demonstrate the many mission critical applications of 3DEP. Today we have limited time for this overview, so I am highlighting just a few of them.

Flood risk management is one of the uses that has the highest dollar value and societal benefits from 3DEP, and FEMA has been a big partner and supporter of 3DEP.

Other applications include, precision forestry and now precision conservation, alternative energy – this example is a Los Angeles County application that is used to determine solar potential. Lidar helps detect obstacles to air navigation for aviation safety

Geologic hazards is a critical application area for lidar – here we have an image of the tragic Oso WA landslide, and an image showing where lidar revealed previously unmapped faults.

3DEP is useful to archaeology and to infrastructure management which with our aging infrastructure is a growing national concern.

Again these are just a few of the important uses of 3DEP that remind us why this effort and our collaboration is so critical to the Nation.

+ What is the 3D Elevation Program?

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3DEP is a call for community action to...

- Address the mission-critical requirements of 34 Federal agencies, 50 states, and a sampling of local governments, tribes, private and not-for profit organizations documented in the **National Enhanced Elevation Assessment**
- Return more than \$690 million annually in new benefits, ROI = 5:1
- Leverage collaboration among Federal, states, local and tribal partners to systematically complete national 3D data coverage in 8 years
- Leverage the capability of private industry mapping firms, create jobs
- Achieve a 25% cost efficiency gain by collecting data in larger projects
- Completely refresh national elevation data holdings with new lidar and ifsar elevation data products and services



Natural Resource Conservation



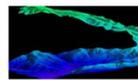
Infrastructure Management



Flood Risk Mitigation



Precision Farming



Land Navigation and Safety



Geologic Resources and Hazards Mitigation



We like to call 3DEP a call for community action because it is an effort to address more than 600 mission-critical needs that were reported by 34 Federal agencies, 50 states, and a sampling of other organizations and documented in the National Enhanced Elevation Assessment of 2012.

3DEP is designed to provide a 5 to 1 return on investment and a conservative dollar benefit of more than 690 million dollars annually if implemented in 8 years.

3DEP is also a call for community action because it is a partnership that depends on the collaboration of Federal, state, local, tribal and other partners to fund the data acquisition.

3DEP leverages the expertise and capacity of the private sector mapping firms that acquire the data for us through the USGS Geospatial Products and Services Contract, and through partner acquisitions.

By acquiring data in larger project areas, 3DEP will help all of the partners realize a cost efficiency gain we estimate to be about 25% lower costs.

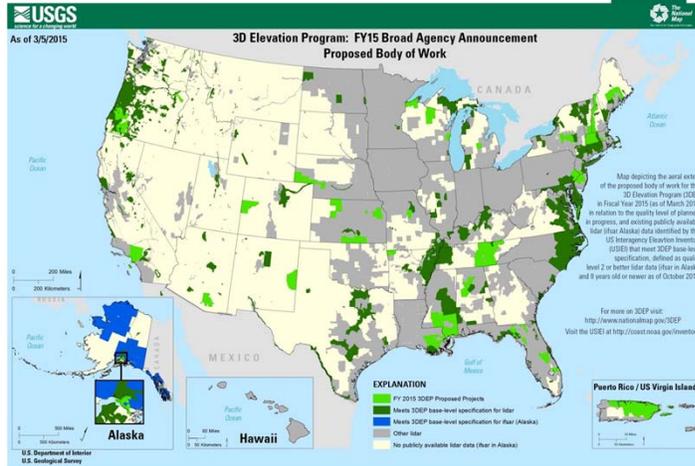
And of course we will completely refresh our publicly available, national data holdings to replace the patchwork of quality and sources with consistent, new lidar and ifsar data products and services. Early this year the program began delivering these new products and services through The National Map.

This concludes the 3DEP overview and I would now like to introduce Diane Eldridge, our 3DPE Data Acquisition Coordinator, who has been working really hard, along with the whole team, to further improve our BAA process and bring it to you.

Summary of Fiscal Year 2014 BAA Results

Awards Made in Fiscal Year 2015

- 72 pre-proposals submitted requesting funds over \$50M
- 29 projects were funded
- USGS, FEMA, and NRCS committed \$9.8M, with a total estimated value from partners of \$26.5M



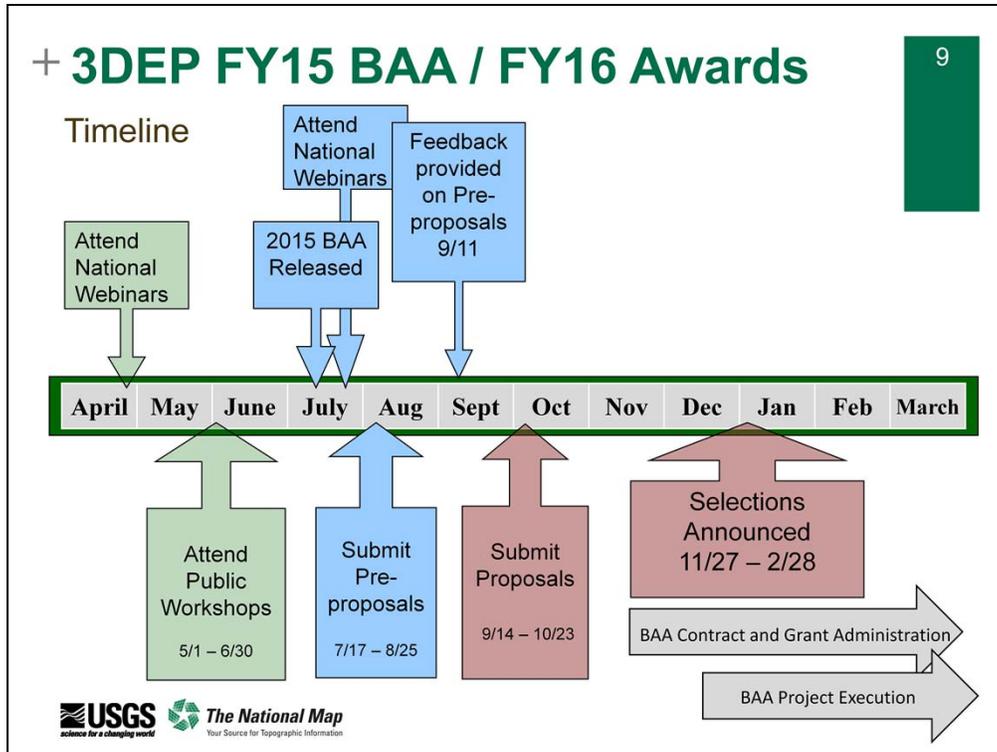
Results available at <http://nationalmap.gov/3dep>

In July of 2014 the USGS issued the first Broad Agency Announcement to solicit funding partnerships for the 3DEP program. There was tremendous interest in the program, we received 72 pre-proposals and ultimately funded 29 projects which are displayed here on the graphic, shown in the bright green.

Because you may not be able to read the small print on the graphic the gray represents all existing lidar data, the dark green represents existing data that meets 3DEP specifications, and again the lighter green represents the 95,000 square miles of new data that will be added to the national lidar holdings as a result of BAA partnerships.

For additional details on the FY14 BAA including a list of the organizations receiving awards you are encouraged to visit the website noted on the bottom of the slide.

We were pleased with the results of the first year and are looking forward to making improvements and moving forward.



For those familiar with the Lidar acquisition process, you are aware that the entire project lifecycle, from formulation to product delivery is often 18 to 24 months. The above timeline focuses on the near term project formulation, project submission and the selection and notification of a BAA partnership award.

The items in green reflect our pre-BAA activities, the current national webinars and the state and regional workshops.

The items in blue are the Pre-proposal activities which include the planned July 17th release of the BAA, the 2nd set of National Webinars which are designed to provide specific guidance on the application process, the 5 ½ week pre-proposal submission window and the September 11th date by which all submitters will receive feedback on their pre-proposal submissions. Note that submission of pre-proposals is highly encouraged but not required. The purpose of requesting pre-proposals is to minimize the labor and cost associated with the production of a detailed proposal that has a minimal chance of being selected for funding.

The items in rose reflect the proposal submission window which runs from September 14th to October 23rd as well as the notification period. Initial project selections will be made by the end of November; notifications will begin dependent on the availability of 3DEP funds. Those projects proposing spring 2016 flights will have first consideration. Offerors choosing to make use of the Geospatial Products and Services Contracts (GPSC) will work with a 3DEP and/or GPSC POC to complete the required acquisition documents; offerors receiving cooperative agreements will work with a USGS grants specialist.



3DEP FY15 BAA / FY16 Awards

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BAA Project Evaluation Factors (1/2)

- Looking for new lidar data
 - No existing lidar data
 - Lidar data
 - is older than 8 years or
 - does not meet 3DEP QL2 base specification or
 - significant changes to the landscape have occurred
- Specifications
 - Must adhere to the latest USGS Lidar Base Specification
 - QL2 in the continental US, Hawaii and Territories; QL5 ifsar in Alaska
 - Upgrades to QL1 are allowed; upgrade costs are the responsibility of the applicant
- Areal Extent
 - The 3DEP Program prefers projects between 1500 and 5000 square miles
- Overlap with Federal Requirements
 - Satisfy multiple requirements, multiple stakeholders
 - Overlap with federal funding partners



What types of projects does the 3DEP program encourage. Our first consideration is that we are primarily seeking to acquire data in locations where there is no existing lidar data. Projects will also be considered if the existing data is older then 8 years old, if the existing data does not meet the 3DEP QL2 base specification or in cases where significant changes to the landscape have occurred.

BAA projects must adhere to the latest USGS Lidar Base Specification. The link to this specification can be found on the resources page at the end of this presentation. Upgrades to QL1 are allowed however the cost to upgrade is the responsibility of the applicant. The 3DEP program prefers projects greater than 1500 square miles, the ideal project size is between 1500 and 5000 square miles

The federal agencies that partner on the 3DEP have compiled their requirements for lidar acquisition on the seasketch site which we will take a look at shortly. Project overlap with these federal requirements is one of the evaluation factors. Federal agencies who contribute funds to be administered through the BAA do so with the understanding that they can simultaneously support the 3DEP program and satisfy their mission specific requirements. The program looks to support projects that satisfy the requirements of multiple stakeholders.



3DEP FY15BAA/FY16 Awards

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BAA Project Evaluation Factors (2/2)

■ Cost Share

- The BAA Solicitation is a call for funding partnerships
- Projects that come in with a significant cost share will be scored high in this important category
- The average cost share of FY14 BAA funding partners was 64%
- Offerors cost share should be obligated or budgeted, not proposed

■ Technical Evaluation

- A review of the means by which you plan to acquire the data
- The USGS prefers projects that make use of the USGS Geospatial Products and Services Contracts (GPSC) Firms on GPSC have been selected based on their qualifications and performance in providing the professional services needed for 3DEP
- A fair and equitable technical evaluation will be completed for those projects that propose to provide their own method for data acquisition.



The BAA Solicitation is a call for FUNDING PARTNERSHIPS. *The 3DEP Initiative – A Call to Action* focused on the need for increased investment in lidar acquisition by all stakeholder groups. The 3DEP program seeks first to support those projects that bring considerable financial resources to the table and are seeking minimal contributions from the program. The average cost share of FY14 BAA funding partners was 64%. the 3DEP program contribution was 34%.

The evaluation process will include an assurance that the funds proposed by the offeror are guaranteed. The funds should be promised, secured or budgeted, not proposed, seeking, or requested. The BAA proposal submission process will continue to evolve to provide for multiple annual submission cycles to accommodate the varying fiscal cycles of all levels of government.

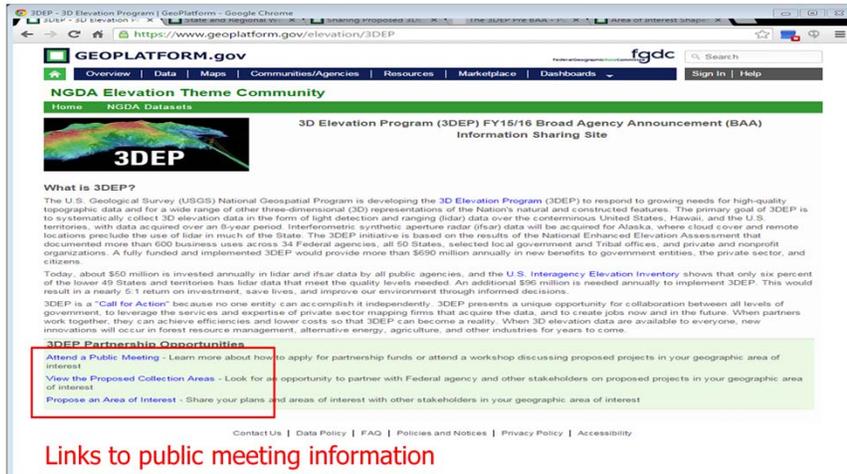
Finally all submissions will go through a technical evaluation. Applicants proposing to acquire data may utilize the existing USGS Geospatial Products and Services Contracts or they may choose to provide their own contract for data acquisition. The technical proposal for applicants choosing to acquire their own data is a critical part of the proposal. The detail must be sufficient for the evaluation team to determine that the award will result in a deliverable that meets or exceeds the 3DEP QL2 Lidar Specifications.



3DEP FY15 BAA / FY16 Awards

3DEP FY 15/16 BAA Information Sharing Site

<https://www.geoplatform.gov/elevation/3DEP/>



We are now going to move to a series of web pages and tools that will provide you detailed information on our FY15 program.

The 3DEP program has chosen to make use of the Geospatial Platform as our primary means for communicating information about the upcoming BAA. The pages are fluent and we encourage you to check back frequently for new content.

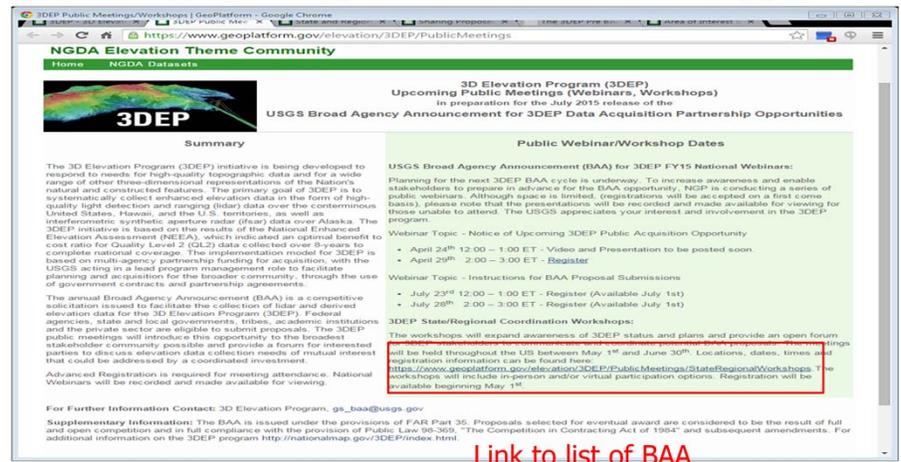
Our Front page will be the site for general program information. Our focus today is to discuss the upcoming public workshops so we will select the appropriate link and move to that information.



3DEP FY15BAA/FY16 Awards

State and Regional Public Workshops

<https://www.geoplatform.gov/elevation/3DEP/PublicMeetings>



[Link to list of BAA public workshops](#)

This is a page which should be familiar to you all as you would have visited this page to register for this public webinar, although as just referenced, the pages are evolving to better serve you so it may already look somewhat different.

Once we have completed this first set of webinars, the "Register" option will be replaced with the links to the powerpoints, the recorded sessions and the FAQs resulting from the meetings. You will also note that this is the location from which you will register for the second set of public webinars which will focus exclusively on the logistics of submitting a proposal. Today we will focus on the upcoming public workshops.

3DEP FY15 BAA /FY16 Awards State and Regional Public Workshops

<https://www.geoplatform.gov/elevation/3DEP/PublicMeetings/StateRegionalWorkshops>

3DEP State and Regional Coordination Workshops

If you would like to present your potential area of interest (AOI) at one of these geographically focused meetings, you should post your project AOI at least one week in advance through the 3DEP Pre-BAA - Public Areas of Interest Project Collector Tool. It may take a few days for your project AOI to post to the online map. You must also register for the meeting to indicate that you have an AOI you want to discuss.

While most BAA workshops are state-based, many areas of interest reflect regional requirements and may fall within one or more states. If your project crosses state boundaries, you are welcome to attend and present your area of interest in each of the relevant meetings. However, as the AOI viewer is national in scope, the AOI will be viewable by interested parties in all affected states or territories to support future discussions on multi-state collaboration.

For Further Information Contact: 3D Elevation Program, gs_baa@usgs.gov

State	Workshop Name	In-Person Location	Date	Local Meeting Time	States/Region Covered	Register to Attend:
Alabama	Alabama 3DEP Broad Agency Announcement Public Workshop	Montgomery, AL	May 14, 2015	1 PM to 4 PM CET	AL	Alabama In-Person Meeting Alabama Virtual Meeting
Alaska	Alaska 3DEP Broad Agency Announcement Public Workshop	Anchorage, AK	May 27, 2015	1:30 PM to 4:30 PM AKDT	AK	Alaska In-Person Meeting Alaska Virtual Meeting
Arizona	Arizona 3DEP Broad Agency Announcement Public Workshop	Phoenix, AZ	June 9, 2015	9 AM to 12 PM MST	AZ	Arizona In-Person Meeting Arizona Virtual Meeting
Arkansas	Arkansas 3DEP Broad Agency Announcement Public Workshop	Little Rock, AR	May 21, 2015	1 PM to 4 PM CET	AR	Arkansas In-Person Meeting Arkansas Virtual Meeting
California	Southern California 3DEP Broad Agency Announcement Public Workshop	San Diego, CA	May 26, 2015	1 PM to 4 PM PDT	Southern CA	Southern California In-Person Meeting Southern California Virtual Meeting
California	California 3DEP Broad Agency Announcement Public Workshop	Sacramento, CA (CalGIS)	June 4, 2015	9 AM to 12 PM PDT	CA	California In-Person Meeting California Virtual Meeting
Colorado	Colorado and Wyoming 3DEP Broad Agency Announcement Public Workshop	Denver, CO	May 29, 2015	9 AM to 12 PM MDT	CO, WY	Colorado and Wyoming In-Person Meeting Colorado and Wyoming Virtual Meeting
Connecticut	New England 3DEP Broad Agency Announcement Public Workshop	Northborough, MA	May 19, 2015	1:30 PM to 4:30 PM EDT	MA, ME, NH, VT, CT, RI	New England In-Person Meeting New England Virtual Meeting
Delaware	Virginia and Southern Chesapeake Bay Watershed 3DEP Broad Agency Announcement Public Workshop	Charlottesville, VA	June 10, 2015	1 PM to 4 PM EDT	VA, DE, MD, DC, Southern Chesapeake Bay Watershed	Virginia and Southern Chesapeake Bay Watershed In-Person Meeting Virginia and Southern Chesapeake Bay Watershed Virtual Meeting
Florida, Puerto Rico, and Virgin Islands	Florida, Puerto Rico and Virgin Islands 3DEP Broad Agency Announcement Public Workshop	Orlando, FL	June 25, 2015	1 PM to 4 PM EDT	FL, PR, VI	Florida, Puerto Rico, and Virgin Islands In-Person Meeting Florida, Puerto Rico, and Virgin Islands Virtual Meeting
Georgia	Georgia 3DEP Broad Agency Announcement Public Workshop	Norcross, GA	June 16, 2015	1 PM to 4 PM EDT	GA	Georgia In-Person Meeting Georgia Virtual Meeting



[Link to 3DEP Pre- BAA Project Area of Interest Collector Tool](#)

On this screen you will find the logistics, including location, date and time of each of the public workshops. There are 41 geographically focused workshops. While registration is not yet available, once available the links in the right two columns will be activated and will link to the registration pages.

To allow for maximum participation, both in-person and virtual attendance options are available for most meetings.

You will note that at the top of the page there is a link to the 3DEP Pre-BAA Project Area of Interest Collector Tool. However let's take a minute to discuss the purpose and goals of the public meetings before we move on.



3DEP FY15 BAA /FY16 Awards

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Goals of the State and Regional Public Workshops

- Support the formation of potential 3DEP projects by providing a forum and facilitation for discussing Federal, Tribal, State, Local, non-profit and other stakeholder elevation data acquisition priorities and connecting potential partners with shared interest
- Facilitated by the USGS National Map Liaisons
- Workshops are open to anyone to participate
- They include in-person and virtual options
- Workshops will include
 - a overview of the 3DEP program and the BAA process
 - a summary of on-going state coordination activities
 - presentation and discussion of lidar areas of interest by meeting participants
- Workshops will allow anyone to discuss a lidar area of interest. Participants will be required to enter their areas of interest via the 3DEP Pre-BAA Project Collector Tool prior to the meeting
- Enable continuing dialogue among potential partners



The workshops are designed as geographically focused forums to support the formation of potential 3DEP projects.

The intent is to provide opportunities for the stakeholder community to compare acquisition priorities and connect potential partners who may discover shared areas of interest.

The meetings will be facilitated by the USGS National Map Liaisons. The meetings are open to anyone and include in-person and virtual options. The meetings will start with a quick overview of the 3DEP program and the BAA process. As appropriate the meeting will include a summary of on-going state activities.

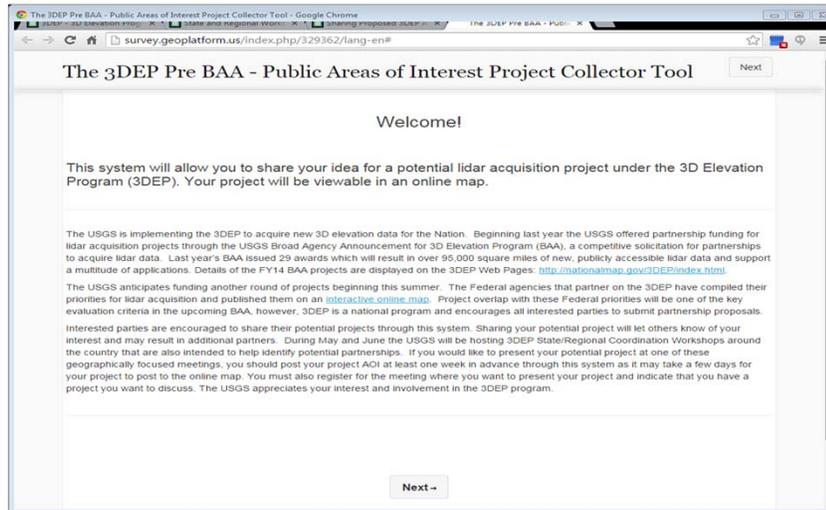
The primary purpose of the workshop will be 5 to 10 minute presentations by meeting attendees with acquisition requirements within the specific geographic area. Attendees are encouraged to enter their areas of interest into the 3DEP Pre-BAA public areas of interest project collector tool (which we will get to in just a second) prior to the meeting. All who enter an area of interest will be provided the opportunity to speak about their project interests as a part of the meeting. Attendees are encouraged to continue their dialogue both during and subsequent to the meeting in pursuit of collaborative acquisition opportunities.



3DEP FY15 BAA / FY16 Awards

3DEP Pre-BAA Area of Interest Project Collector Tool

■ <http://survey.geoplatform.us/index.php/329362/lang-en#>



The 3DEP Pre BAA - Public Areas of Interest Project Collector Tool will allow you to share your idea for a potential lidar acquisition project under the 3D Elevation Program (3DEP).

Your project will be viewable in an online map, which we will look at in a few minutes. Sharing your potential project will let others know of your interest and may result in additional partners.

As we just discussed these projects will be the basis of the 3DEP State/Regional Coordination Workshops. If you would like to present your potential project at one of these geographically focused meetings, you should post your project area of interest at least one week in advance, to allow time for the project to post to the online map.

You must also register for the meeting where you want to present your project. It is also worth noting that although these meetings focus on a specific area of interest, you are encouraged to use the viewer to review projects in neighboring states that may align with your area of interest.



3DEP FY15 BAA / FY16 Awards

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3DEP Pre-BAA Area of Interest Project Collector Tool

The image displays two side-by-side screenshots of the '3DEP Pre-BAA - Public Areas of Interest Project Collector Tool' web form. The left screenshot shows the 'Please enter a descriptive name for your project' section, which includes a text input field and a 'Please choose...' dropdown menu. The right screenshot shows the 'Enter the month and year when you hope to collect the data' section, which includes a date picker and a 'Please choose...' dropdown menu. Both screenshots include a 'Submit' button at the top right. The form is titled 'The 3DEP Pre BAA - Public Areas of Interest Project Collector Tool' and includes a 'science for a changing world' logo at the bottom left.

The tool will ask you a series of questions.

It will ask you for a project name, something short and descriptive such as TN - Black Creek Watershed Flood Study Lidar and will remind you to enter this same project name when you register to attend a public meeting and indicate you wish to present your project.

It will ask you for your organization and some contact information. The purpose of the contact information is to allow other interested parties to get in touch with you should they be interested in the same geographic area and wish to discuss options for collaboration. Please note that this contact information will be made available through the public viewer so please take care with what you enter.

The tool will ask for the location, and to specify when you would like to collect your data.

The standard product for the 3DEP program is defined as QL2, you will note that by selecting "QL2" you will be linked to a one page summary of the QL2 specifications (shown on the next slide). At the end of this presentation on our resources page you will note the link to the complete USGS base Lidar Specification for your review. This question asks if you are satisfied with QL2 or have a need for the higher quality QL1 data. Note that there is a considerable cost differential to upgrade to QL1 data, the cost for this upgrade is not covered by 3DEP funds.

The tool also ask if you have a requirement for bathymetric data, but notes that bathymetric data is not a part of the standard 3DEP program, this question was included to allow potential coordination with our funding partners in our coastal zones.

Finally you are given the opportunity to enter any other important details about your project.

3DEP FY15 BAA / FY16 Awards

3DEP Specifications

<https://www.geoplatform.gov/elevation/3DEP/QualityLevel>

Basic Parameters for Lidar Quality Level Definitions

The USGS Definitions for Lidar Quality Levels are specified in detail in the USGS Lidar Base Specification (<http://pubs.usgs.gov/tm/11b4/>). While there are other important considerations, the quality levels are often distinguished by nominal pulse spacing and vertical accuracy requirements for the 3DEP. Below are the specifications for these.

Table 1. Aggregate nominal pulse spacing and density. Quality Level 0-Quality Level 3. *Quality Level 0 is less than or equal to 5, greater than or equal to 10.*

Quality Level (QL)	Aggregate nominal pulse spacing (m/ft)	Aggregate nominal pulse density (pulses/ha)
QL0	≤0.35	≥18.0
QL1	≤0.35	≥16.0
QL2	≤0.71	≥12.0
QL3	≤1.41	≥6.0

Table 2. Standard vertical accuracy for digital elevation models. Quality Level 0-Quality Level 3. *RMSE_Z root mean square error in z, in centimeters; RMS, nonrigidized vertical accuracy; VVA, registered vertical accuracy. < is less than or equal to.*

Quality Level (QL)	RMSE _Z (nonrigidized) (cm)	VVA at 95 percent confidence level (cm)	VVA at 95th percentile (cm)
QL0	≤0.0	≤0.9	≤13.7
QL1	≤10.0	≤0.6	≤24.4
QL2	≤10.0	≤0.6	≤29.4
QL3	≤20.0	≤0.2	≤48.8

USGS Lidar Base Specification V1.2

The image shows a 3D visualization of a terrain with a color-coded elevation scale. The terrain is rendered with a perspective view, showing a valley and surrounding hills. The color scale ranges from dark blue (low elevation) to red (high elevation). The document title 'Lidar Base Specification' is visible at the top of the page.

USGS NGP Lidar Base Specification V1.2
<http://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf>





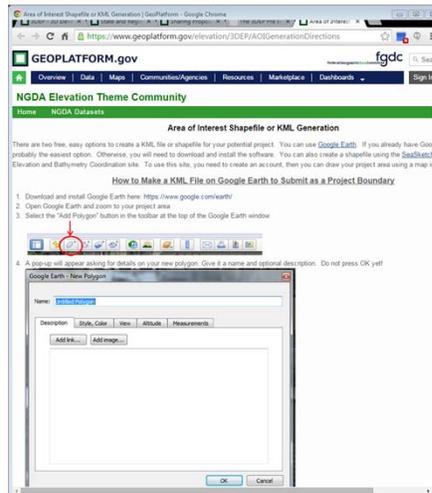
3DEP FY15 BAA / FY16 Awards

3DEP Pre-BAA Area of Interest Project Collector Tool

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<https://www.geoplatform.gov/elevation/3DEP/AOIGenerationDirections>



Finally the tool will provide you the opportunity to upload a file.

You must define the location of your project by uploading a geospatial file defining the coverage area for your project. Your project area must be represented by a polygon in shapefile or KML format. If you do not have a project file in one of these geospatial formats, the tool provides a link to a set of instructions that allows you to create one using freely available tools.

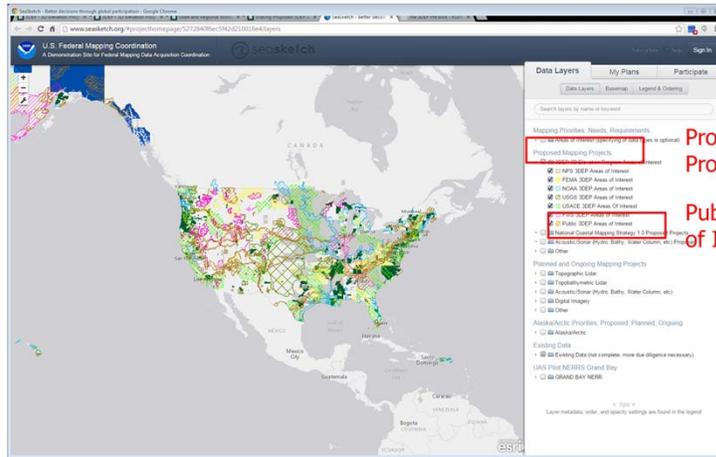
You can upload a KML, KMZ, or a .zip archive containing a shapefile. A "shapefile" is actually a collection of related files. The tool provides links to additional links to assist you in this process.



3DEP FY15 BAA / FY16 Awards

Project Viewer – Seasketch

<http://www.seasket.ch/hwpR3E-MxO>



Proposed Mapping Projects

Public 3DEP Areas of Interest



So as we have mentioned throughout the presentation, the 3DEP program is making use of the Seasketch viewer as a tool for collaboration.

This is the Seasketch viewer – a collaborative mapping site set up by our NOAA colleagues, originally for use by NOAA’s coastal community partners. In addition it was used to facilitate coordination of data acquisition following Hurricane Sandy. NOAA has been gracious in allowing the entire topographic and bathymetric 3DEP stakeholder community to make use of this site as a collaboration tool.

While there is considerable data on this site, if you use the links provided within the 3DEP pages they will direct you to a view specific to 3DEP coordination.

Pay particular attention to the Proposed Mapping Projects. You will see here 3DEP areas of interest entered by 6 federal agencies, we are still expecting information from NRCS and the FS, perhaps BLM. You will also note the layer listed as “Public 3DEP Areas of Interest”. This is the layer where any projects you enter into the tool will be displayed. Note that your project will not show up instantly. It may take up to 3 business days for your project to appear, which is why we asked you to enter your project at least a week prior to the meeting you plan to attend. We have a dummy file entered which we will look at.

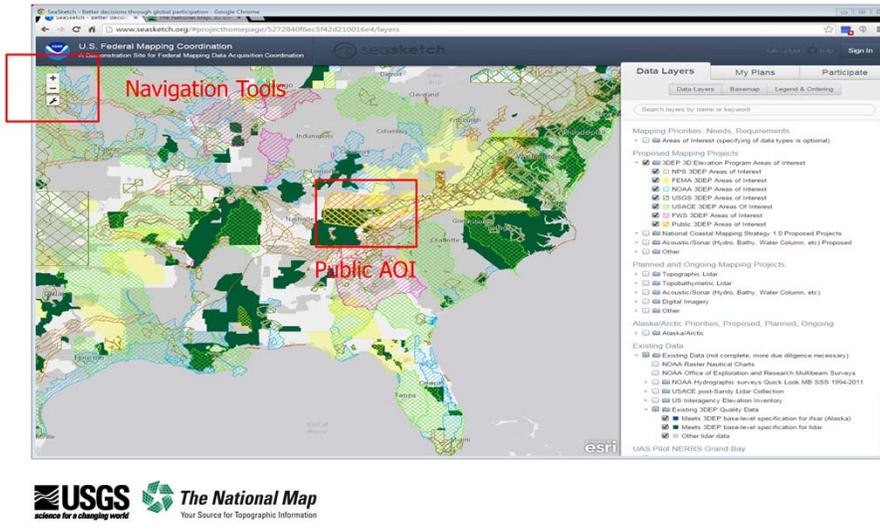


3DEP FY15 BAA / FY16 Awards

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Project Viewer – Seasketch

<http://www.seasket.ch/hwpR3E-MxO>



Use the navigation tools to zoom into your area of interest.

Within the viewer the solid areas represent data that already exist, the hashed areas represent areas of interest. Each federal agency has their own unique color.

For demonstration purposes we have entered a dummy AOI into the Public 3DEP Areas of Interest, represented here in orange. If I had entered this project, I would have also registered to attend a meeting to discuss my project.

The first thing worth noting about this proposed area is that it overlaps with an area of existing 3DEP quality data. The 3DEP program seeks to collect new lidar data. You would be encouraged to take a look at the available data and refine your AOI. The other thing you will note is the AOI overlaps with both USGS and FEMA AOIs. As indicated earlier, overlap with federal requirements is one of the evaluation criteria used in the selection process.

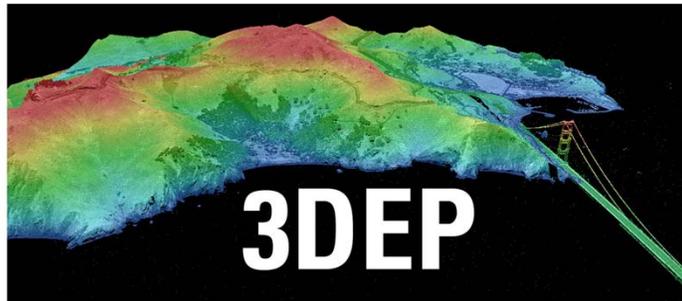
+

3D Elevation Program (3DEP)

BAA National Webinar

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Questions



That ends the formal presentation, we will now address questions. Note that responses to the questions asked on both of our national webinars will be documented and presented on our 3DEP information sharing site web site. The written responses may be more thorough than our initial response to provide an opportunity for the 3DEP program to provide background and/or contextual information necessary to completely respond to your question.

+ 3D Elevation Program (3DEP)

Resources

3D Elevation Program (3DEP) FY15/16 Broad Agency Announcement (BAA) Information Sharing Site
<https://www.geoplatform.gov/elevation/3DEP>

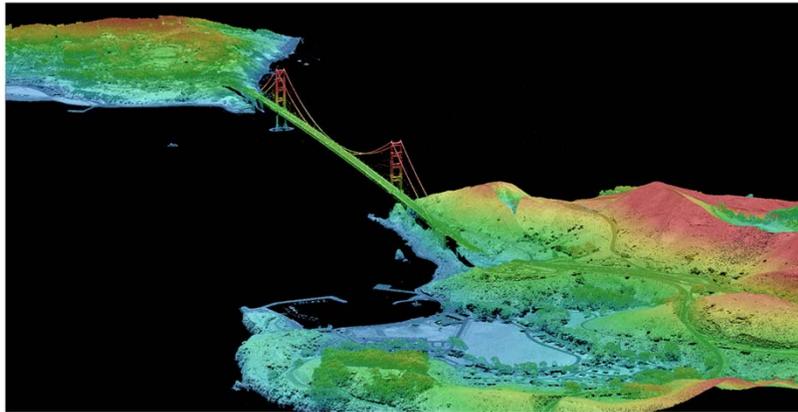
The 3D Elevation Program Initiative – A call for Action
<http://pubs.usgs.gov/circ/1399/>

USGS NGP Lidar Base Specification V1.2
<http://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf>

For Further Information Contact: 3D Elevation Program:
gs_baa@usgs.gov

+ **THANK YOU Partners**

Let's Make National Lidar Coverage a Reality



We can't do it without you!

