

Please stand by for realtime captions. Spallone

Hello , everyone, this is Ashley Dahlen. We will give you one last chance to check the volume on your speakers. Will begin at 2:00 Eastern.

Good afternoon and welcome to the Academy webinar, open web resources available in the department of homeland security geospatial office. My name is Ashley Dahlen and I'm here with the project manager of the contract support to the department of homeland security geospatial management office. We will walk you through a few housekeeping reminders. Have the questions you would like to ask the presenter or technical issues, please feel free to use the chat box was for people on a desktop computer or laptop is on the bottom corner of the screen. I will keep track of all questions that come in for the presenter. We will email the link to the recording for the webinar. We will be setting your certificate of pursuit rotation -- precip participation. If anyone needs additional certificates, please email and include the title of today's webinar along with the name and email addresses of those needing certificates. Dustup computer or laptop users may zoom in on the slide being presented. To exit, you can expand then click on the blue return button to get back to the default view. Finally, at the end of the session, we will share a webinar satisfaction survey with you. We will let you know when it is available. We appreciate your feedback after the question.

I am a project manager with a company called RNC based in Washington, D.C. and a contract support for the department of homeland security GML. I will apologize for all the acronyms I will be using, but I will try to spell them out as I go assuming that they are probably less common to you than they are to me. So I'm going to speak with Larry refund with GPO. We have a booth. Part of the outreach team at the GML and we give you these types of webinars and presentations to show what resources we have available so thank you all for joining and I hope it is beneficial to you. For the agenda, I will provide background on the GMO and then we will focus more the resources that are available to you , including the Homeland infrastructure foundation level data which is available to all. [Inaudible - static]

I will touch briefly on the geospatial information infrastructure, or GII, which is another one of our more secure resources. Also take questions during the presentation and try to pause occasionally something comes up. They should be plenty of time. I do have one hours worth of content. Should take me about 30 minutes, I think. So, the GML, we support DHS headquarters as well as some other components within DHS. Including TSA, FEMA, Customs and Border Protection, Secret Service, those types of groups. We work with federal , other federal agencies as well, generally, those supported, and security missions, we have had some more emphasis on working with state and locals in the last couple of years, again, typically homeland security, law enforcement, emergency management. Have branched out some. I did speak out at an epidemiology conference last year showing which resources we have available to them. That was more focused on health-related data. So this is kind of a completely new group to us. Which I think is exciting. We like expanding our tools outside of the groups. We could use them. We have a good look at the invitation list and a lot of libraries represented. My mother is a retired librarian, so that is for me. So you can see in the blue box about the GML, we do provide

tools needed for analysis, digitalization, etc., you may notice that there is nothing about us doing that because we do not. I say we don't to do the cool things. I am actually doing the air quotes when I say that. So, we do not analyze data. We do not create web applications. We do not necessarily make dashboards, but we allow others who do geospatial analysis to do that by offering the infrastructure data guidance and expertise. To support them. The infrastructure piece is in the way of mostly the GII, which allows program mapping technology, common operating applications. We are part of the Geo platform web hosting community where I will be demoing it. Supply data and allow for uploading and sharing of data, the majority of our data can be featured to partner groups as well. And we offer training resources, guidance, SLPs, support team for geospatial professionals, which I will demo later. These are just screenshots of our core capabilities. The most I will touch on is this is fairly specific to group within DHS, so I will not be presenting that. Okay, so this is the first and. Homeland infrastructure foundation level data. Remember anything, just remember that is the acronym. You might remember the term H sip. It is homeland security information program. The transition from HSIP a few years ago. Some people start. We tried to correct them. We have open, some people take of it as HSIP freedom. If you've never heard of it, don't worry about it. I might just confuse you a little bit more. So, the program is a joint partnership between DHS and the national geospatial intelligence agency or NGA to provide critical infrastructure data to the community. So NGA handles the data procurements data partners, and cueing of data. The GML posts up focuses on the posting and dissemination of data and outreach. With those two groups, it is also managed by subcommittee of federal, state, local, and tribal partners. The graphic on the left kind of describes how the mission works. Identifying requirements, inventory of data, obtaining data, any licenses, and sending them out to people. The decisions made by the subcommittee reflected to or regarding the high flow data we will get the input from the community over what is important to the. We will have quarterly subcommittee sessions. We have an annual feedback session which is pretty well attended which includes a wide variety of geospatial uses throughout the country and those decisions that are brought to us from these groups are taken very seriously and we do try to implement them as best we can. An example of that is for years, there is a push to get the national parcel data set and a couple years ago, we were able to get that. So the national parcel data available or streamed here through the web back -- what mapping. So, the subcommittee, as well as the NGA and the GML, we do not own the data, it comes to the partnership agreements. The data updates updates quarterly. Not all the data, depends on the data partners. Previously it was an annual release which has improved since then. So, it is on the open Internet and available for anyone. There is no log in required, so anyone on this call would be able to access its. It is hosted on the Geo platform utilizing RTS online. Over 300 available. You can download by save file and your database. They run GIS, like to say as a monopoly, to some extent, especially the federal government, it is important have data available to those who do not have the software. So they can be used with any program. So, the APIs are the web services. We do recommend typically for those of you if you are able to, that way the data are refreshed or maintained regularly. We do not have to be downloaded every time there updates to the data. Now, I am going to switch to a live demo. Going to share my screen. If everything works. So, please let me know if you do not see the website. And I'm hoping that the response time is pretty good. Let me know if there any problems. So, I will tell you about this top section later. We will have this on the actual data. So, data categories are

grouped by what we would consider a light data. Or how data used to be delivered through HSIP and so we cup with the same theme. If you have areas where you want to focus, you can click on these groups and you can see what data are available. So, I will just scroll down a little bit. I will give you this view. There are also some filters on the side. You can use this to narrow down your selection. We do try to tag the data sets as accurately as possible, again, to help with the searchability. If you do not want to look through those, if you just have an idea of what data you are interested in, you can also view search. It looks like a lot of you are on here from colleges and universities. So, once you find the data you want, you can click on it. There is an overview provided about the future. There is metadata to go along with it. It is dependent on the data providers and you might see some who have very detailed made a data and others are very minimal. It just depends. There is a push to require them to include metadata, but they are to supply what they have available for free, usually, so it is hard to be too demanding. But that is the feedback that would typically get that the users want better metadata. So far, they have given best practices for me to data so that they will mimic that. If you look at the data tab, with the attributes, other features. You are able to sort and use of filtering using those functions, so I sorted by city , filter, so now you see only the institutions. Again, the download options are available. You also have Geo database not available. You will notice that you can download the whole data set if you would like, or because we have the filter in place, you can download the features based on the filter. And then the APIs would be the URLs that you can pull into your web mapping environment or even your desktop if you have the map. Does work very well. There is some basic mapping functionality on this. I don't know if people actually use this, but you could if you do not have anything, or if you want to look at the data, you could search the attributes. You could zoom. You could even create a map or print or save it. I have never done that, though, so I do not know how. That is an option. So back on the site, I have open. We update this when something significant happens. I do not believe it is updating all that often, but you can see that we do have a COVID-19 response which is very recent, some of the data licensing have changed because of the covered support so we have open up some of the data. There is information there as well as other major things that have happened regarding the data.

Rob, this is Ashley, we do have one question from Bruce who says, is the data also available through data.gov?

I am not sure. I know that there was a push to push data to data but I have not heard about that recently. I can get back with Bruce on that if I can get his contact information.

Okay. We have a second question that just came in from Carol. Are the attributes primarily location data or might there be other associated data?

It is dependent on the actual feature. The people of a different one. Let me pull up something randomly. And hope that it works. So, EPA emergency response. So, here you can see the various attributes. This is a weird way of looking. It just won't be the location. We will have other information pertinent to the data. I don't know how to describe that better. I have no idea if this is the right thing. I don't know what these are, but if anyone would know what EPA or know about EPA emergency response, I imagine that attributes mean something to . It is not

just attributes, it is something significant. Sometimes I think the attributes are sensitive in nature. They will take those out. You might not get everything you want, but it is on a case-by-case situation. You might have one layer that has three attributes and you might have one that has 30. So, you can click on the feedback. We love to get feedback from you, so that would go to the team and we would take it back to the subcommittee. Sometimes it is a question we can answer. The data catalog I have already downloaded. It is an Excel spreadsheet listing all the data, the open, secure, they are different levels. So, this is updated quarterly. Some people are more used to doing searches and filters within XL rather than online, this is a good way of doing that. It has good information on all the data. You can see if all of the datasets are open, close, licensed, of course of the general information,, the publication date and date uploaded are fairly significant. You might see some all data, for instance, January, 2005. That may not change. So even though the data may look old, if it is something like that, you're not going to have a dates on those. Then again, you might have some other data sets that do not get updated because we do not get updates from these groups. We eventually phase out these data. But this is something to consider when you're looking. Accessing use constraints are usually tied to if it is secure. Open data will typically have no constraints at all. And, if you don't want to go to the site, you can get the URLs here. So, these would take you basically to where I showed you from the universities. If you have the catalog, you can go here and search for data and get what you need and get the URLs. I forget if I mentioned, but this is updated quarterly. Maybe more often if necessary, but generally, on a quarterly basis. So, I am going to stop sharing for now. So this is similar to open but it is on the secure environment hosted within the GII. They are 100 layers. You do have to have a homeland security information network account. You may have heard of that. I believe those in academia or groups like that have to be under some kind of grant money for funding through the federal group to easily secure these accounts. I'm not 100% sure on that, but we can help you if you think you need one or if you're interested. Secure does not necessarily mean it is sensitive data or anything that would be a threat to the public. That is something that often gets confused . It is tickly based on the licensing agreements that we have with the data providers. So, they will supply that data but only if it goes to specific individuals. They do not want it going to everyone. So that is where you see secure and licensed . It is not necessarily some secret government data. This is some updates, these are the marks. If you've never used the high flow data, by not mean much to you, but it is a decent representation of what updates happen in terms of data getting updated. You will have new data coming in, occasionally you will get data that gets moved from secure to open and then data removed as you see. The good news is, previously when data came in, you would have to argue, why should this data be open as opposed to secure? There was less push on providing data to all. Now, the case is more, if you provide data, you have to explain why it should be secure as opposed to open. The default is typically open and you have to justify why it should be secure. That is better for the consumers of the data. This provides a little bit of information about our licensing agreements. You can see federal , they get everything, and if you're contractor support, you are included in that. States are pretty good as well and then the local and tribal groups are missing a little bit. That includes restaurants, other commercial businesses, big-box stores, things like that. Basically points of interest are included in their. You will notice local is through 2019, not 2020, that is because of the licensing. We understand that is a problem, so we are working on that. Obviously, local works with state and fed for disaster

so we want them to have the same type of data. Or axis in the same data, at least. For the business point does come from, I think there is enough on that. Okay, now I am moving into. Does anybody else have any questions? Is there anything in the chat?

There is nothing in the chat at the moment.

All right. We can come back to that later if necessary but I'm going to move on to the geospatial concept of operations, so this is our attempt to catalyze how federal, state, and local partners are supporting local security mission geospatial he. The goal is to provide a gateway of trust and resources available to those in the community. So rather than googling how to find something and then getting inundated with a bunch of nonsense, the goal is to have the site where users can come in and see what is available through federal and local partners. So, we have the blue areas are more than resources. I will demo that a little bit more. Than the red areas are the areas that DHS supports and ties and the resources and how they are being used to support. This is on the open Internet and available to anyone. There are a few, there are some resources, that you have to have an account. So if you find the mother, it will take you to where you need to log in, but that is pretty rare. The website is rare open, however. Sometimes will have documents on there, but for the most part we are only pointing you were to go to get what you need. Again, with the goal of eliminating duplication of effort. If someone is doing something well, this is where you go. If someone has this data available, you can get it here. That type of idea. Originally, if it was written after the Hurricane Katrina response, different agencies working together that did not necessarily know what to do or what was expected or who fit in to what roles. After the response, they documented this in order to better respond to disaster, so for instance this should be sent to this group and these people are involved. It was very FEMA centric as those with the people involved in writing it, so this document is still available through our site. It has not been updated for a few years. The parties have kind of shifted through in the GML and it is good information specific to those who are new to the industry or not understanding geospatial and emergency management's . It is a good reference. And, I'm going to share my screen one more time. So you can see Geo Con, okay. This is the website . I don't know the URLs, honestly. I Google it or save it my favorites. They're not necessarily easy to remember. This is the page. Again, the blue areas focus on the resources available so, stakeholders is a list of those who support Homeland security geospatial he. Homeland security, including emergency that is the and anything associated. You can scroll through and see who the stakeholders are. There are links to their sites. Typically, they have a geospatial site, it will go to that. If they don't, this just the general sites. If you click on the actual group, you can also open, and go directly to what they have available through this website. So you get the URLs and some information about the different resources. And, we can go back here. So, these are basically the different resources we have grouped into specific categories. Geo data and products, which will be downloadable data, streaming data, imagery, that type of thing. The capabilities are more of the tools. It could be a portal. Modeling, dashboard, things like that. And then tradecraft would be training, opportunities, SOP, templates. And these are all kind of looking the same, basically. So, all of the Geo data and products some, see you can see that. Is a little description of what that is and then you can kind of the scroll and see what is available. It is all alphabetical, based on the name that they

provide. You can do a search. I am looking for imagery. It will pull up anything either name or tag with imagery. We do try to make the descriptions as accurate as possible. Hopefully getting them from the actual agency, but then also looking for keywords that people will want to use. Capabilities, it is the same. You can search for again, the keyword, or even the agency, if you would like, there are multiple ways to find things on the site and that is part of the goal. So now, it is pulling up everything that is associated with FEMA. One issue with the site is that there is no ability to search the entire site at once. You do have to go into specific areas. That is a problem with, we use a website design with word press and on the Geo platform, so it is just an issue we have. We are unable to get around it at this point. Are best practices are still trying to update those. You will see are fairly, honestly, a little bit dated. They are very specific. We are trying to get into best practices that are more representative of what is going on currently in terms of broader type things, so if you a credit dashboard on this type of disaster, here is a best practice for that. You would see data preparedness is something we have done somewhat recently. What are the best practices involved with data preparedness. That is in the works, I would say. Although some of the best practices there, they could be useful again. If you want to take a look. And, these red areas are the missions that DHS supports and this is more of the policy part of the website, I would say, so we talk about if you are supporting, prevent or protect or the mitigation mission, what resources are available, sorry, this is protection, so divides an overview of what protection even means. You can see who is involved and then you can see what are the tools typically used for this mission . How they are used, and then what data and products are available or are typically used for this and then trace that as well. It also provides some use case scenarios to better describe how things are being done for that mission. What groups are doing and things like that. I think I am done sharing. Okay. The GII, again, I think many of you may not have access to that or be able to access it, but I wanted to touch on it just in case. It does require having an account. Through the GII , users will have access to different applications and data. That is probably the primary reason people use the GII. There are various geocoding tools and other data as well and imagery is available through the GII also. One of the biggest benefits is it being a secure environment for securing data and applications. So the users of the GII will have their own folder, which is private, but then able to share data and products through different groups to which they belong or they could even make it public if they choose. Through the GII, you can use or create a number of standard applications including the story maps, dashboards, situational awareness apps, etc. Works with the mobile collection applications is equipped the work source, it occupies into the GII. If you're familiar with CS online, Azure Portal is very similar. The main difference is that in this astronomy to cure item. The GII is hosted on DHS service, and eventually the cloud. And that was my last main slide. You can see my contact information that I have included my company email addresses well as government email including whatever you are comfortable with. I do check both. I give the GML email address. That goes to everyone in my office. In case you do not hear from me or do not respond or I email them, you can email inbox or reach out to me. In a normal situation, I sit close to people, so I can turn around. If I cannot answer a question that you have, I can run it by this group pretty easily and get back to you. So that is only half. Thank you. I will take any kind of questions and discussions that you might have.

We do have a question from Larry. Is the account required for transit GII secured paid or does it just required to make a case for it?

Everything is free. It is just basically that you have to have a case. You have to have, I'm sorry to put you on the spot, but we have of fed up in GML who might be able to answer it better, but there was a sponsor type thing so if you have a government sponsor, you can get it, so I'm not even sure if that is the method anymore. Mike, can you speak on that?

I can take a look. You will have to repeat. I'm sorry. I was on another call as well.

Basically, how potentially these groups would get a hidden account. But they might work out of the University library or something like a state government per se or more federal government.

I would recommend going to the site and that way, for the data, they will have a request for the account and it would get routed to me.

So, typically our office approved stuff like that, so you can link on the webpage where you can request that or if you have trouble, you can email me here and I can connect you with the right person, who might be Mike.

Okay. Any last minute questions coming in? I will start my wrap-up here by thinking Rob and also Michael for popping in with us. We do appreciate your talking with us today about data. We love data. For those of you that are active in the Academy, upcoming next we have tomorrow, a webinar on your guide to America's finances . It is being put on by the Department of treasury. We also have an the fifth, next week, an overview of COVID-19 and the CDC's response to the pandemic with a highlight of federal COVID-19 resources that is being put on by the Centers for Disease Control. If you're at all interested in learning about the next generation ask a GPO tool and you want to see a preview of it or possibly provide some input, we are having on the six, webinar on sales force, which is going to be the new platform moving forward. So, I did put the link to the webinar survey in the chat log. Go ahead and fill that out. And I am looking at the chat here to see if we have any more last-minute questions coming in. I do not see any right now. So, once again, Rob, thank you very much for giving us an overview of those tools. We really appreciate it.

Thank you for having me. I hope everything is useful.

All right, everyone. Thank you all and have a good day. [Event Concluded]