

From: Earl F. Burkholder [mailto:eburk@globalcogo.com]

Sent: Wednesday, March 22, 2017 4:19 PM

To: 'Scott Freunds Schuh' <sfreunds@unm.edu>

Cc: 'lovison@afriterra.org' <lovison@afriterra.org>; 'anayegandhi@dewberry.com' <anayegandhi@dewberry.com>; 'Weber, Joseph' <jweber2@ua.edu>; 'Vandegraft, Douglas' <douglas.vandegraft@boem.gov>; 'Steve.Sharp@vermont.gov' <Steve.Sharp@vermont.gov>; 'Tony.A.Simental@wv.gov' <Tony.A.Simental@wv.gov>; 'Daniel.Fasteen@CO.DAKOTA.MN.US' <Daniel.Fasteen@co.dakota.mn.us>; 'mossd004@mail.maricopa.gov' <mossd004@mail.maricopa.gov>; 'Loecherbach, Thomas' <Thomas.Loecherbach@tetrattech.com>; 'tnewman@terrasond.com' <tnewman@terrasond.com>; 'zsolt.nagy@aecom.com' <zsolt.nagy@aecom.com>; 'base9geodesy@gmail.com' <base9geodesy@gmail.com>; 'shelby.johnson@arkansas.gov' <shelby.johnson@arkansas.gov>; 'Bert Granberg' <bgranberg@utah.gov>; 'sshaw@utk.edu' <sshaw@utk.edu>; 'dan goldberg' <daniel.goldberg@tamu.edu>; 'ecrane1949@gmail.com' <ecrane1949@gmail.com>; 'nancy@fairview-industries.com' <nancy@fairview-industries.com>; 'hkey@crc.ga.gov' <hkey@crc.ga.gov>; 'mwells@spatialfocus.com' <mwells@spatialfocus.com>; 'KCargo@911nola.org' <KCargo@911nola.org>; 'John Wertman' <jwertman@aag.org>; 'Diana Sinton' <dianasinton@ucgis.org>; 'SMITH Cy * DAS' <Cy.SMITH@oregon.gov>

Subject: RE: COGO Report Card Considerations

Scott,

Thank you for your reply – several comments:

- You responded promptly – you are a good speed reader.
- Only in my wildest dreams would I expect COGO to assert that the GSDM be a condition of going forward. But, yes, in the long run I believe spatial data practices will in fact converge to using an integrated 3-D spatial data model.
- At the risk of overburdening interested readers, I'll suggest:
 - An award-winning “abstract” paper supporting the big picture view – www.globalcogo.com/setepaper.pdf.
 - A “rigorous” article printed in EOS – www.globalcogo.com/gsdm-eos.pdf.
 - A fascinating musical analogy on adoption of “better” methods – www.globalcogo.com/MusicAnalogy.pdf.
 - Message to be included on back cover of 2nd Edition – www.globalcogo.com/bcover.pdf.

Yes, I recognize the goal of a Report Card is to document existing status – but I also believe that emphasizing development of “layers” of 2-D concepts really should be presented in terms of subordination to a comprehensive universal 3-D spatial data model.

Finally, the issue of spatial data accuracy is huge and will need to be addressed – sometime. The GSDM handles that as well.

Thanks for listening and note that the even temperament issue was finally solved (if it has been) in a time frame of 2000 years.

Regards always,

Earl F. Burkholder, PS, PE, F.ASCE

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From: Scott Freunds Schuh [<mailto:sfreunds@unm.edu>]

Sent: Wednesday, March 22, 2017 2:31 PM

To: Earl F. Burkholder

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Subject: Re: COGO Report Card Considerations

Hi Earl - thanks for sending along your work on GSDM. I found it fascinating.

I want to ensure that I understand your message — you are suggesting that COGO assert in the report card that all data in the NSDI use the GSDM? (Please correct me if I am wrong.)

The goal of this report card process is to assess the current state of spatial data within the NSDI, to consider broadly the many uses and needs of these data by both public and private users, and to measure how well these current data are meeting those broad uses and needs.

If your team(s) believe that the future of geodetic and elevation data might benefit from the adoption of the GSDM, that could certainly be something for COGO to consider suggesting in the report card. However, I do not believe the adoption of the GSDM to be necessary or even desired in the assessment of the current state of the NSDI. I believe the COGO assessment should be say how well the NSDI meets current and future needs...I don't believe the goal of the report is to tell the FGDC what data model it should use. Knowing the FGDC, I suspect the recommendation would be ignored and the potential impact of the report card possibly diminished.

My overall message, here is that we not establish a vision for the future of the NSDI, but instead provide an assessment that the FGDC and other federal agencies would find helpful in shaping the future of the NSDI.

My colleagues on the steering committee are welcome to respond to this as well.

Cheers,

Scott

On Mar 22, 2017, at 1:25 PM, Earl F. Burkholder <eburk@globalcogo.com> wrote:

Scott,

Thank you for the emails providing guidance for our Theme Expert efforts. Your planning appears to be good and efficient.

But, before devoting significant effort to our review, I am asking a question – see attached.

Regards always,

Earl F. Burkholder, PS, PE, F.ASCE
Global COGO, Inc.
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<EFB - ReportCardTwo.pdf>

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Following is a copy of “ReportCardTwo.pdf” as mentioned above.