

Quarterly GIS BILT Meeting August 22, 2013

Meeting Minutes

Phil Davis	John Nelson
Carl Anderson	Chuck Bales
Hilary Perkins	Adam Dastrup
David Bitner	Ann Beheler
Galen Evans	Molly Guard
Rick Marshall	Judith Roberts
George Jackson	Saydi Tillman
John Johnson	Christina Titus
Brian King	Brittany Mabry
Dr. Gary Jeffress	Bill Hodge
Demetrius Zourarakis	Rich Weeks
Miguel Pavon	Larry Lee
Rick Smith	



Welcome and Attendance: Ann Beheler

Phil Davis- I am really humbled by the professionals we have at the table. The GTCM was published in 2010, right after that we began creating curriculum outlines. Everything we do is based off the GTCM itself and the advice we receive from the BILT. If you take GIST 101-105 would give you an entry level desktop GIS person. In addition to that there is 106 and 107 is being created by SLCC. If you put those courses together with a capstone and maybe an internship that is the gold standard for someone coming out of a 2 year degree. ON top of that you have the change of equipment. ESRI just pushed arch GIS online which is a whole new thing that we knew was coming. What we are hoping is that the GeoTech center will update this in 2014 and it will impact the NISGTC . Just to show you a few of the courses that we have created , everything we have done is open source, which is a DOL standard being published under the creative commons 2.0. Canvas preview of courses. View of lab created by Rick Smith.

Gary- DOL wanted this whole thing to be open source

Ann- The curriculum is open source but then we require them to have the license.

Miguel- some of the principals applies to all of GIS

Carl- What is open source

ANN- CCBY 3.0

Carl- so you are an cc attribution

Ann- NTER discussion

How does this get shared with others do they have to have the same system you do

Rick- the lectures are vendor agnostic so they do not mention ESRI other than to say this is a vender you can use.

Ann- You can take the labs, yes you have to get the Netlab, but you could take the pdf of the labs and implement them in class.

Phil- well the guys that do this are doing away with the machine and are going virtual.

Rich Weeks- a lot of the things we do today, it is an option to provide access to certain courses as a service model . A view of the NDG website and the programs that it offers.

Phil- DOL likes for you to condense the courses to get students through faster.

JJ- the students want to be able to apply this to their job quickly, it has made this more attractive so that they could finish quickly and apply it.

Adam- How SLCC does fast track

Gary- how does this affect SACs

Ann- It depends on what part of the country

Phil – we have done 45 hours in 3 weeks. With the MOOCs they are throughing contact hours out and looking more towards a competency models.

Ann- this whole grant has stackables

Bill- in a competency program

Business recognized DMC's certs and degrees

Collin-

Trends-Databases, para data is important

Database for GIS – SQL not SDE; Strategic planning with a GIS tilt to it,

Hilary- Location based stuff, Geo-Fencing. Technology has a piece of GIS to it not GIS has technology to it.

Carl- Having the chain forward to geospatial chain modeling that probably and MS or BS level

Dave- It's an introduction, it's another column in your data base but it's how you interact with it. GIS use to be we do the GIS stuff only but not anymore its embedded here and there

Carl- Time mill reads open street map systems super heavy in all these technologies

Galen-

Demetri- the use of fear and the issue of looking outside the box many of the skills has to do with the Capstone Prodigy, the Capstone project is not on all for programs, I don't see any way out of giving schools a chance to be mentored/

Rick M- if they can't communicate or work on their own then they don't do any good.

Ann- Opportunities for business.

Carl- democratization of data- information discovery an example of determining fit for use. In the lab its already done for them but in their career they will be told go find some data to answer this. It is an advanced topic but even in the beginning should be introduced.

Demetrio- Portfolio was on the dacum ? but I think it fell by the way side

?- open source is good that students are introduced to that because since I own my own company I would go and use an open source. Using the databases and understanding the databases is important. Who is going to manage the database system to administrator or the gis guy or who is going to show them how to set it up.

Phil- how to set up accounts, and meetings virtually. A course on virtual professional skills.

Ann- Let's talk about things that are coming and then I'll take you on a tour of virtual lab.

Phil- on line arch GIS

Galen- how a website works where you put things, using some basic j query

Demetrio- Apps- right now in government is running over

Adam- one of the things we are doing is creating an app- the future trends is websites and programing

Galen- more and more applications being done on web GIS analysis , allowing basic GIS people to do more GIS work flow

Gary- the two smallest are what we are talking about professionalism which covers ethics and business consideration, server on the web which covers cloud computing these are the growing and should be on the KSAs

Hilary- project management is important

Phil-But how much can you teach a two years?

Bill- I agree that is important, it the student ability to think outside the box concept , that you start thinking with those skills to put something together.

Carl- there are huge differences in waterfall and agile , just knowing what's coming and what's going on is important.

Bill- that project manager can be taken down to a lower level. This section of a project gets done here and then you move on to this piece here. Going back to what I look for as a manager. If I find that communication I don't care if they ever had a GIS course or not .

Rick Marshall- the last two people I have hired are not GIS people they are PR communications people.

Adam- the world that Phil I live in is how complicated in to fit it all in for a two year program. With legislation cutting time and credit hours- do I know when we are approaching a 4 year degree vs a 2 yr. one of the ideas when talking about project management, you have three different areas that instead of having a capstone, you have 3 programs come together and do a capstone together .

Demetrio- that does exist

Phil- GIS is the place to put that

Bill- from the GIS CI rail, I see the course identification form 4 year vs 2 year at very worst community colleges can hold their own at the very best a student is going to be better prepared from a 2 year than they will from a 4 year that will have a GIS focus. You guys from your focus on the GTCM are more in line with the industry and growth and are changing the quality of your students better than 4 yrs.

Dave- agree the acception

Gary- geography is a social science and clinic science – we classify our graduate as students who can build it not just those that can use it.

Carl- we use to call GIS a disruptive technology but it is an enabling

Demetri- we had Michael g. come and do a lecture, volunteer geographic- the new geographers with their cellphones people are just hacking into everything and disrupting

Galen- GIS need was surveying hyper something –

Dave-Geojson on a source hub

Code versioning

Using the terminal (OGR)

Command line (built in documentation)

Chain together command on a command line

Unix theory of pipes

A lot of things are going back to where it was 15 years ago we are hitting the limits of what the tools can do .

It's all about geo, about GIS desktop application

Service oriented architectures a client that can talk across multiple services

Act with an API manipulating an URL

Scripting not programming

Bill- part of Ann's message is regardless of all of the new and sexy trends there is a core component you guys got it right and are giving the students the knowledge where they flavor will go is up for the students.

Miguel-Open data- open street maps more open sources for other things