

Quarterly GIS BILT Meeting December 4, 2013

Meeting Minutes

Bill Hodge

Ann Beheler

Clay Dennis

Christina Titus

Carl Anderson

Demetrio Zourarakis

Carolyn French

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Trends

Bill- I would urge the BILT to keep an eye on drone but do not modify what you are doing, it is so far in the future that you do not need to invest any time or money in it.

Ann- it could mean more GIS jobs but I have concerns about it

Demetrio- Our emergency management division has address interest in the past but there is an interest in UAV it's too early to say anything fiber optics is what's happening now.

Phil- It is in the university level, but I just didn't know when we should get in to it.

Demetrio- University of Kentucky has a program the emphasis is space and aerial

Ann- the networking BILT is all about censoring and device to device communication

Bill- I will support your move to working with networking any things that helps a GIS to learn the networking side the more effective they are. Programming is important but when reviewed by the GISPs programming is taking a back seat to database skills and modeling because it is such a big part of what is in the field.

Phil- BIG data and data science I think there is a lot of math and statistics I think that it will impact GIS greatly

Carolyn- GIS is just a small piece in the large puzzle in BI but it is a big piece for those that want to map their interface.

Demetrio- I agree with that. A lot of interest for online cloud, Business Intelligence is an area that is still used frequently.

Ann – Is there anything that you think we should keep an eye on?

Carolyn- I think strategy management, strategy planning, and warehouse courses after taking SQL or Oracle are important. Then having some knowledge about IBM - ESRI has location analytics as a part into the BI world.

Bill- two things you have to be ready to move forward in your basic data base course they have to be ready to manipulate it to get it ready to put it in SDE is becoming a less factor of what they are working for. As you move more into the cloud legacy system, there are much bigger demographics of data in the cloud with more open source much bigger emphasis on data manipulation.

Phil- cloud how is it important for two year grads to know that

Ann- Also security

Bill- they only need a foundation, they will have to be trained on the job and upgraded for the company they work for, you have to create someone that training could be reduced but you cannot create a polished professional the company will have to do some training.

Demetrio- Cloud per say or virtualization is not a specialty per se or is it a... do not see it as a major area.. student needs to understand the variety of platforms

Ann- wouldn't they need to understand security

Demetrio- Security is the elephant in the room

Carolyn- the introduction computer courses introduce security maybe those courses need to add cloud

Demetrio- Cybersecurity

Ann-

Carolyn- the chance of messing up data in the classroom, shouldn't be an issue.

Bill- in the city of midland my team the word of security in terms of keeping me

Ann

Demetrio- We do not use it, we use arch GIS

Bill- you are quiet correct established professional working at that level does need it but that position is far beyond what you could prepare them for.

Carolyn- should be introduced so a student is not walking into an interview blind

Bill- I wouldn't go beyond an introduction.

Carolyn- even with arch GIS is important to know the level of security with that data.

Ann- what else do we need to change- we have a pretty short time so we can't change much .. we are waiting to hear about our no cost system

Demetrio- what is the status of the soft skills that we talk about during the lunch at the last meeting

Ann- I think that it varies by college

Phil- what we did we are adding a one credit hour course on soft skills to our curriculum

Ann- the virtual internship/ externship maybe we need to send out the DOL post card to everyone. Having the business mentor is helping our students.

Bill- I would have to agree that there is a relatively limited amount that a program has done today to build those skills. The best students I have seen are those that have a professor that teaches those skills as a part of their normal outlook. It's not so much a course it's the instructors that bring it into all their courses.

Ann- would you recommend that those GEEKs need a professional development to teach that.

Bill-

Ann- so we have some more working connections coming up that we could offer that to everyone

Bill- yes

Demetrio- I think that is a good idea

Carolyn- I have a question for those that are from URISA, what has come to the term geospatial in your environment

Demetrio- we are doing this for the first time.

Bill- Geospatial intelligence has been taken over by the government or the super intelligent secret group as a contract it doesn't translate in to the rest of the world.

Carolyn- is it not the same technology

Bill – the technology is the same but the term is not

Carolyn

Bill- if you can do it on one side you can do it on the other

Demetrio- We are hearing more about big data GIS has been big data from the start, it will be of interest of how we present ourselves because we manage big data set routinely. The solutions that we have are already contested and well defined we have a chance to make a name in this area. Analytics applied to big data sets. Structures for how analytics are handled for big data.

Carolyn- there are GIS courses that are including some concepts of the special side of data but what is missing is the data mining concept has to be introduced into the curriculum it's just an advanced concept of data modeling

Demetrio- is anyone working with the new healthcare

Group no-

Demetrio- that is another thing on our radar routing to hospitals. Medicare is going to a million people

Phil- the importance for students to engage in urisa- they allow a college membership for \$400

Demetrio- there are others out there, that every state has.

Bill- I agree with that premise.

Phil- Alright. That is the end of our meeting.