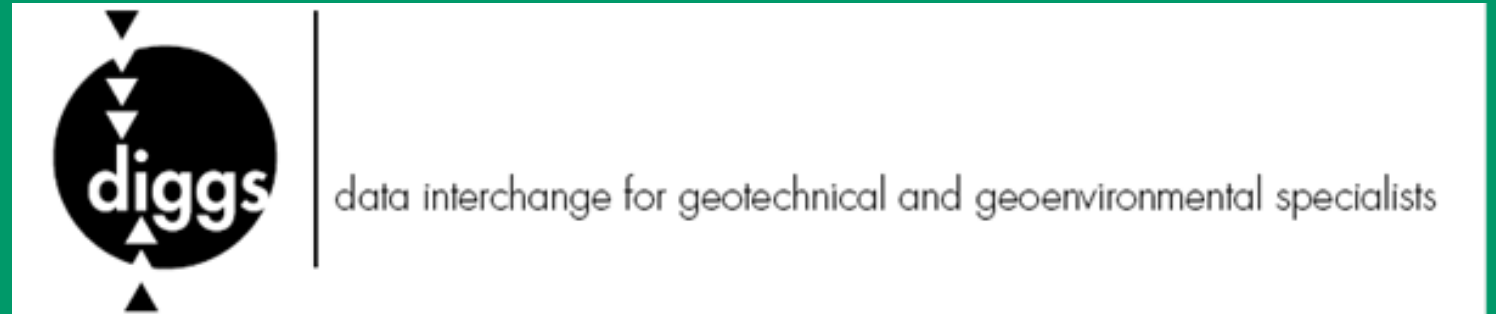


DIGGS 2.0 – Almost There

2005



2016

DIGGS 2.0 – Almost There

④ IMPLEMENTATION AND TRANSITION OF DIGGS

④ Contract between Ohio DOT and ASCE-GI

④ \$80,000, October 2013 – October 2016

④ **Oversee conversion from DIGGS 2.0 α to DIGGS 2.0**

④ **Transition DIGGS data schema and data dictionary ownership and management to ASCE-GI**



DIGGS 2.0 – Almost There



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About

The Association of Geotechnical and Geoenvironmental Specialists (AGS) is a non-profit making trade association established to improve the profile and quality of geotechnical and geoenvironmental engineering. The membership comprises UK organisations and individuals having a common interest in the business of site investigation, geotechnics, geoenvironmental engineering, engineering geology, geochemistry, hydrogeology, and other related disciplines.



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DIGGS 2.0 – Almost There

Information or Data?

If you can process it into one or more formats
without re-entering it

or

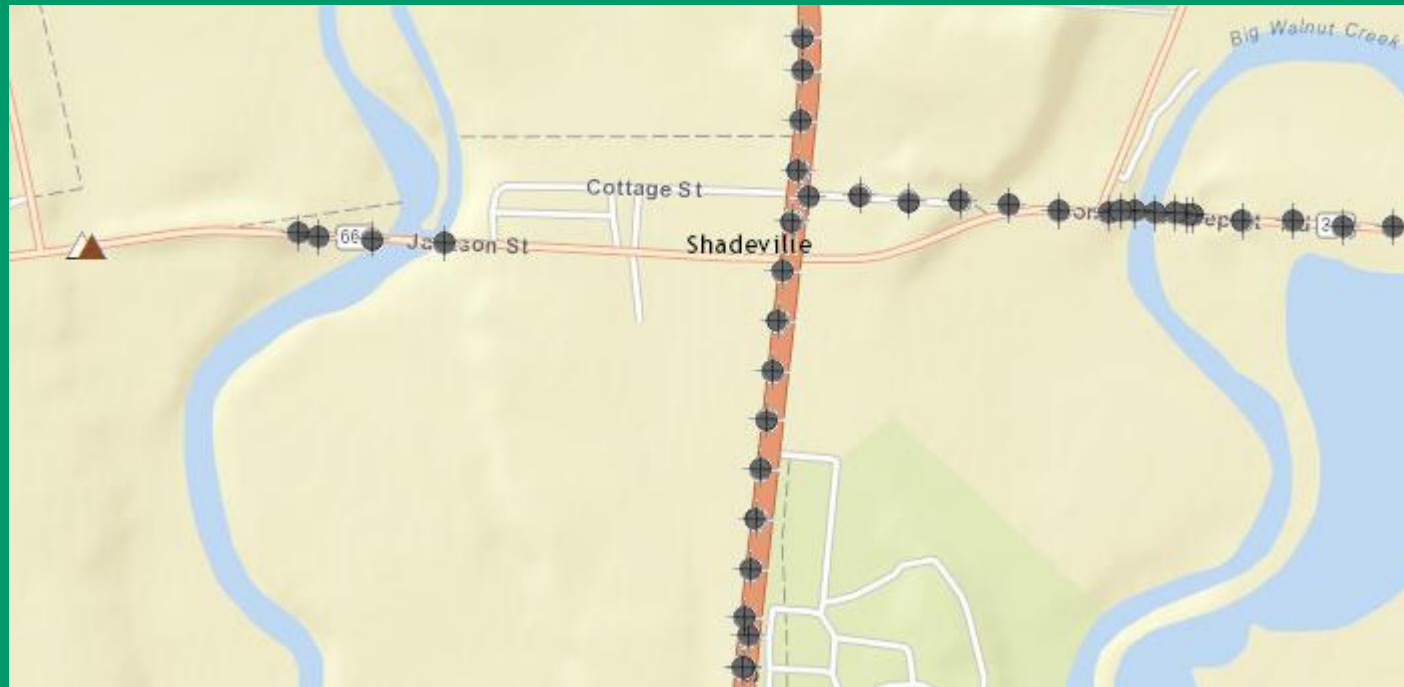
without using multiple cut and paste operations

You have data



DIGGS 2.0 – Almost There

- 🕒 In GeoMS (TIMS), we have georeferenced *information*



- 🕒 We want georeferenced *data*

DIGGS 2.0 – Almost There

- ④ What data do we collect?
- ④ How do *data providers* produce the data?
- ④ What do we do with the data when we get it?



DIGGS 2.0 – Almost There

HyperText Markup Language, HTML

 Standard language used to create web pages

 Web browsers can read HTML files and render them into visible or audible web pages.



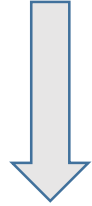
HTML



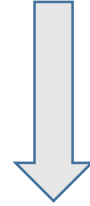
HTML



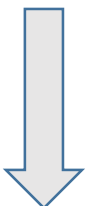
HTML



HTML



HTML



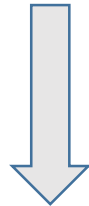
What is our HTML?



????



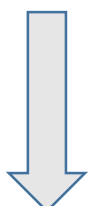
????



????



????



What is our HTML?



DIGGS 2.0 – Almost There

④ Extensible Markup Language, XML

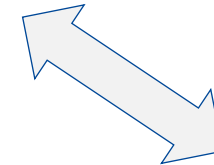
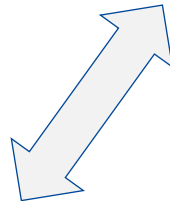
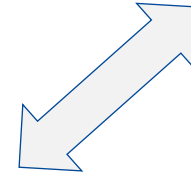
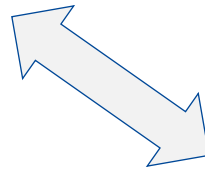
- ④ Text based (human readable) format used to share data on the internet

With DIGGS XML Schema (like a schematic) and data dictionary

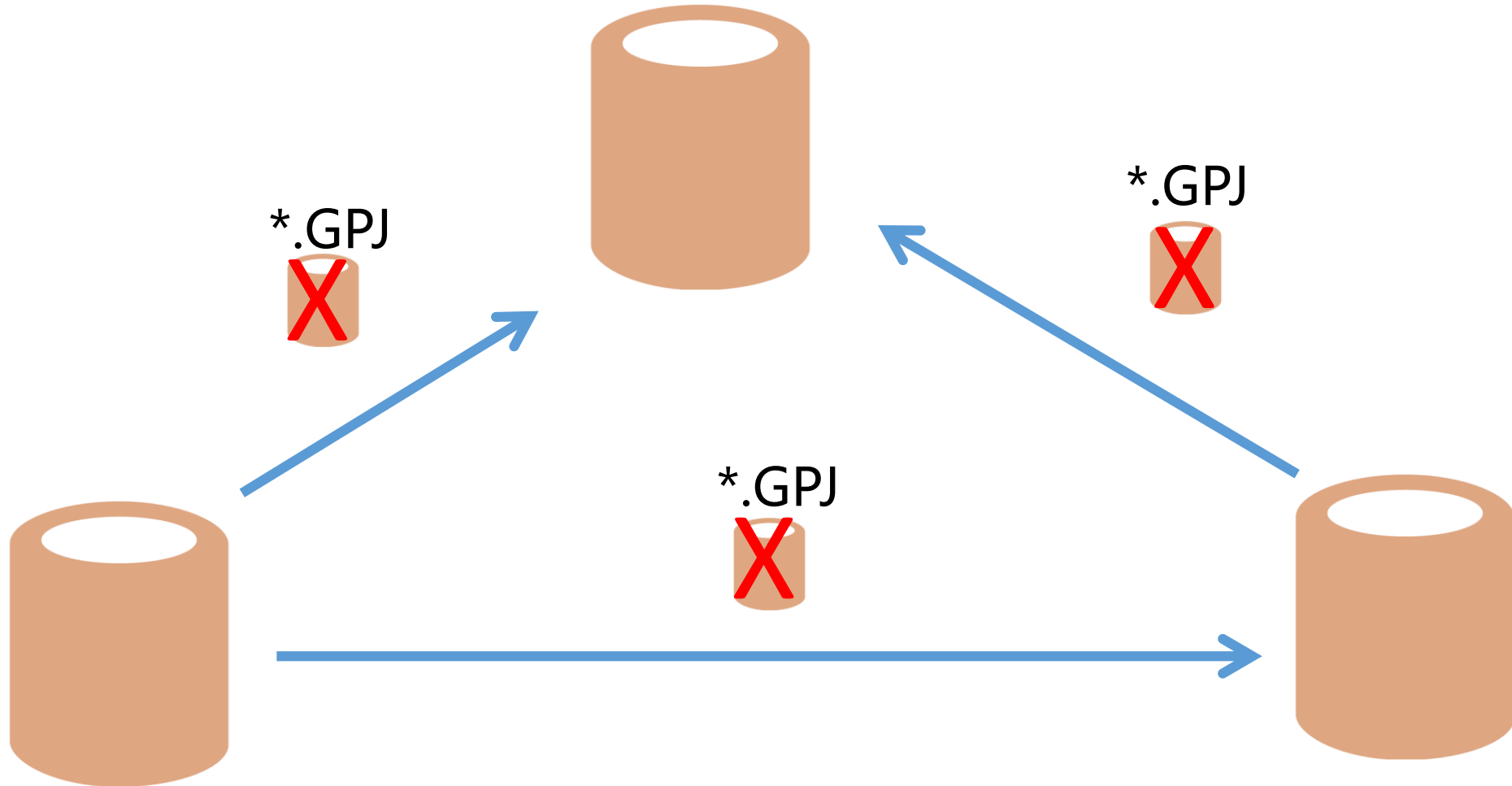
- ④ ~~Web browsers~~ Software/map services/equipment can read ~~HTML~~ DIGGS XML files and render them into visible, ~~or audible~~ useable and geospatial ~~web pages~~ information.



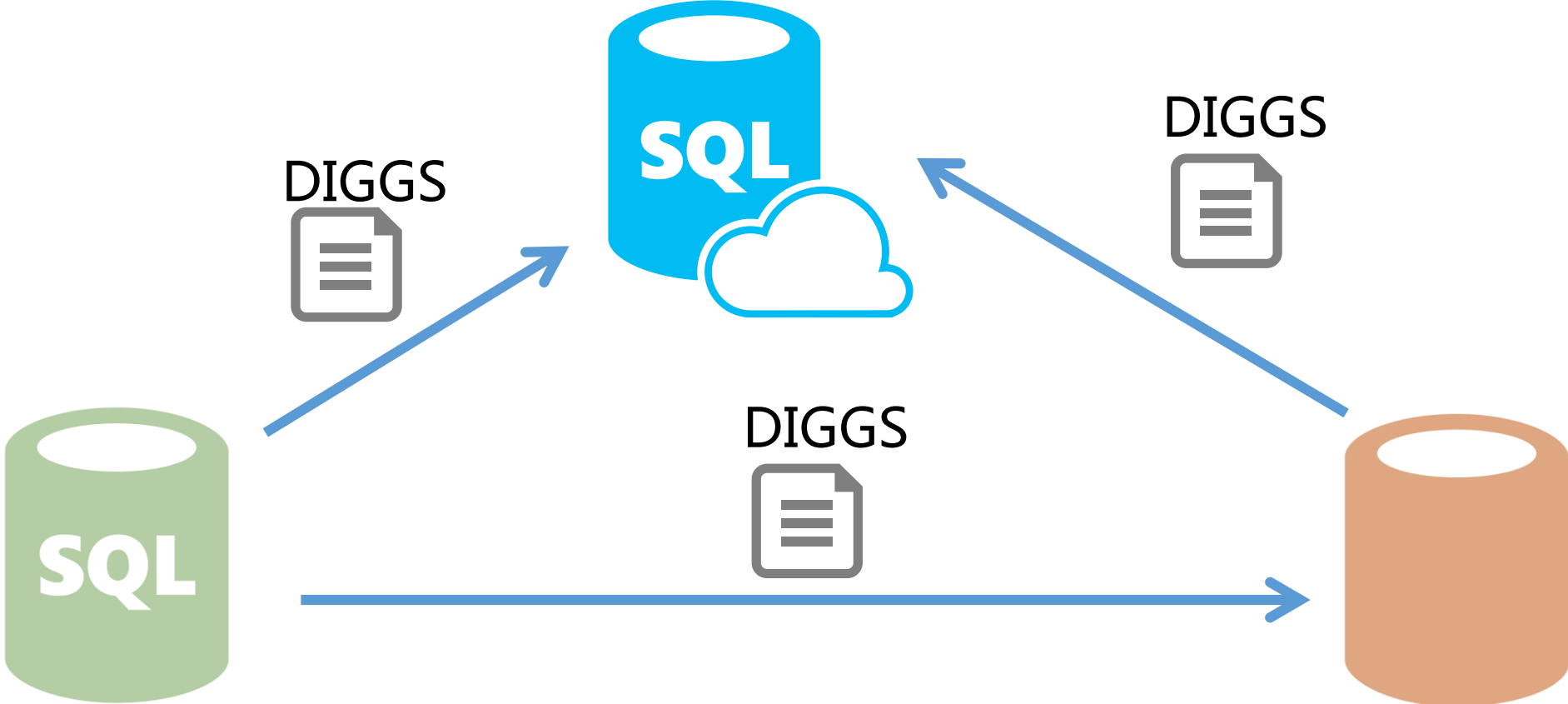
What is our HTML?



Data Transfer



Data Transfer



Remaining Challenge – Creation of DIGGS Data



DIGGS Feedback (Conversion) Tool

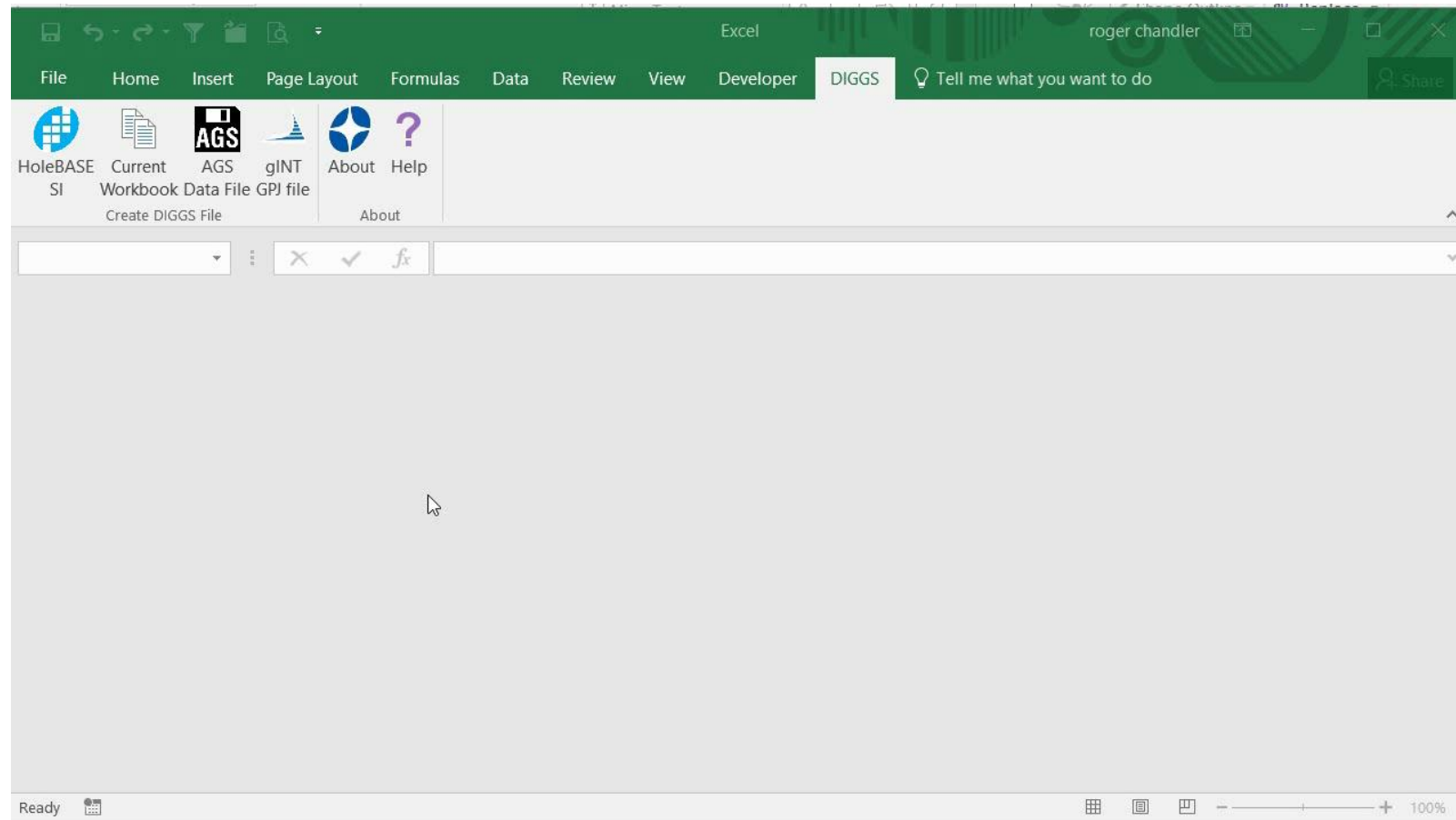




DIGGS Feedback Tool



DIGGS Feedback Tool



- Schema v2.0.b
- Schema v2.0a
- Schema v1.0a
- Tools**

Home » Schem

Tools

Bug Tracker

As you review tools during the pilot testing phase of the project, please submit issues, questions or problems through the bug tracker system. Click the link below to access the system.



[Mantis Bug Tracker](#)

Creation of CSV File

Keynetix is hosting a [data entry file \(DIGGS Feedback Tool\)](#) in XLS format that will generate a CSV file using the DIGGS fields. The CSV file can then be used by the DIGGS Conversion Tools to create a XML/GML formatted DIGGS file.

[DIGGS Feedback Tool](#)

 Search

Want to Get Involved?

DIGGS will revolutionize the way data is shared and transferred for geotechnical engineering. [Contact us](#) to shape the future and get involved.

Current DIGGS Schema Version

View the current DIGGS Schema, [Version 2.0.b](#).

<http://diggsml.org>

DIGGS 2.0 – Almost There

Define the data

Make the change

Submit the Data (Starting January 1, 2018ish)

Use the Data

Enforce Enforce Enforce Enforce Enforce Enforce



Making it Happen

DIGGS Consortium

Advisory Panel

Sponsoring Members

The Future

Full implementation in software

Integration with hardware vendors

Integration with analysis tools

Expansion of the dictionary

ANSI Standard (AASHTO)



DIGGS 2.0 – Almost There

Where are you?

