DIGGS 2.0 – Almost There

2005

2016
DIGGS 2.0 – Almost There

- IMPLEMENTATION AND TRANSITION OF DIGGS
  - Contract between Ohio DOT and ASCE-GI
  - $80,000, October 2013 – October 2016

- Oversee conversion from DIGGS 2.0α to DIGGS 2.0

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

The Association of Geotechnical and Geoenviromental 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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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
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In GeoMS (TIMS), we have georeferenced *information*

We want georeferenced *data*
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- What data do we collect?
- How do data providers produce the data?
- What do we do with the data when we get it?
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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.
What is our HTML?
What is our HTML?
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Extensible Markup Language, XML

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

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

- 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

[Diagram showing data transfer between three nodes labeled with "*GPJ" and "X" marks.]

*GPJ

*GPJ

*GPJ

X

X

X
Data Transfer
Remaining Challenge – Creation of DIGGS Data
DIGGS Feedback (Conversion) Tool
DIGGS Feedback Tool
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.

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
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Define the data

Make the change

Submit the Data (Starting January 1, 2018ish)

Use the Data

Enforce   Enforce   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)