

Description

	<h3>GIS Component of Solution</h3> <ul style="list-style-type: none"> • Compose on ArcGIS desktop & share on ArcGIS Online • Post well spots of US BOEM wells • In context of BOEM / BSEE Gulf of Mexico infrastructure • Mashup with, say, Common Operating Picture weather or other hazards maps
<h3>Situation and Challenge</h3> <ul style="list-style-type: none"> ❖ Are you and unsure of the initial steps of a rapid operational project start up? ❖ Help geoscience users through a common process many petroleum data managers face ❖ Extract well data as text files, transform its format without compromising its integrity, load it into PPDM WELL table, post it on a GIS map and share it on a web map 	<h3>Outcomes & Value</h3> <ul style="list-style-type: none"> ✓ Learned tools that are either free or widely available in industry or academia ✓ Performed two ETL functions important for everyday petro-data management ✓ Posted well data in a structured fashion that helps other teams repeat same ✓ Result in well map templates, process streamlining & automation via scripting ✓ Help demonstrate ROI via auditable, repeatable & quantifiable workflows

References

1. http://proceedings.esri.com/library/userconf/petrol15/papers/petrol_32.pdf
"Simple Workflow to Populate PPDM Tables from Well Files and Post on a Map"
2. Same presented at Safe FME World Tour 2015 <http://www.safe.com/worldtour/>
United Kingdom Cambridge June 1 Sterling GEO Completed

Resources

Education

1. http://ppdm.org/ppdm/PPDM/Member/PPDM_Publications.aspx
PPDM Foundations, 4Q2015 (free login) p.20-21, "Data to Maps: a simpler Workflow"
2. <http://bit.ly/1b5SKNg>
Class notes and data under CC BY-SA 3.0 (also California University of Pennsylvania and Texas A&M)

Software

1. www.esri.com/software/arcgis/arcgis-for-desktop
ArcGIS for Desktop 10.3 or Pro Standard
2. <http://www.safe.com/fme/fme-desktop/>
Safe FME Workbench, ETL (extract, transform, load) software
3. <http://www.ppdm.org>
Professional Petroleum Data Model, ver. 3.8, SQL Server edition
4. <http://j.mp/mssqlsrvx>
Microsoft SQL Server Express

Data

3. <http://1.usa.gov/ZmclSB>
US Bureau of Ocean Energy Management, current free well data and attendant metadata
4. <http://arcg.is/20dwG8q>
BOEM Well file loaded in PPDM WELL table posted on ArcGIS Online

Services

1. <http://arcg.is/1DpgBgU>
Zolnai.ca Professional Portfolio
2. <http://data.zolnai.ca/>
Andrew Zolnai Open Data