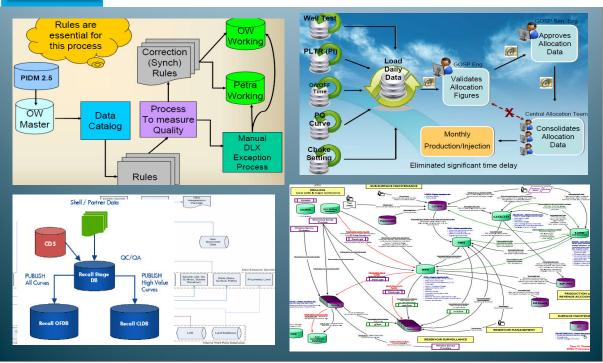


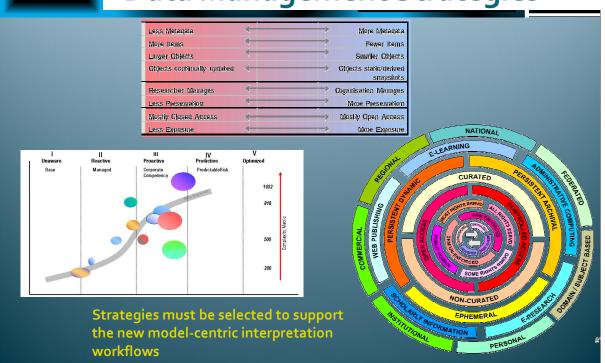


The Challenge – A mixture of databases and flat files:





Continua for Data Management Strategies





Level I:

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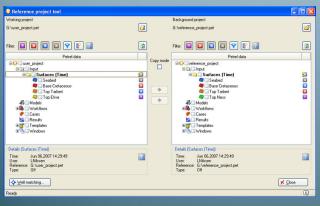
Target: Single Users Best Practice: None

Advantages: Little to no investment Lessons Learned: Not sustainable

General purpose tools, individual processes



Level II:



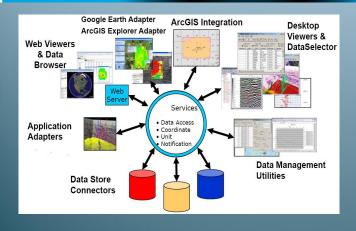
Site implemented point solutions, limited data footprint Target: 3-5 users in an Asset Team Best Practice: Reference project on a shared drive

Advantages: Often requires no additional software

Lessons Learned: Coordinate Reference Systems not handled



Level III:



Target: multi-application environment

Best Practice: Onsite support or scheduled health checks

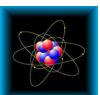
Advantages: Handles coordinate

transforms

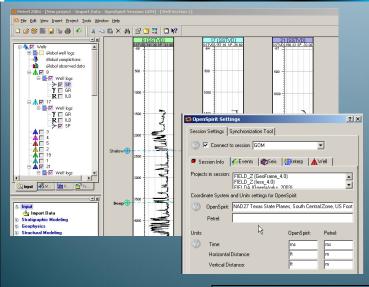
Lessons Learned: Versions can be out of step, requires user

initiation

Data Frameworks



Level III:

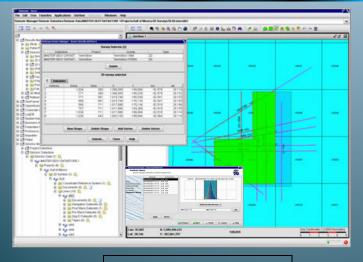


Target: Users sourcing data from multiple sources with GIS
Best Practice: IM plug-ins distributed with core application
Advantages: Users do not have to learn a data management application

Lessons Learned: Can generate additional file structures and workflows

Plug-ins and API's

Level III:



Enable emerging best practices

Target: Geophysical data administrators

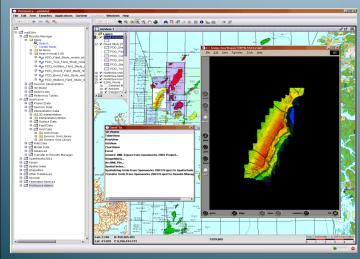
Best Practice: Enable standard and consistent processes for loading

Advantages: Support of all seismic formats across multiple applications and platforms

Lessons Learned: Should tie into the corporate GIS system



Level III:



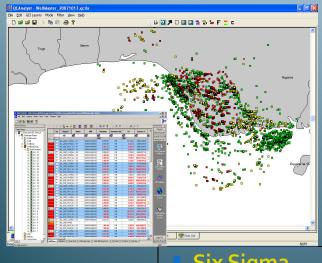
Repository for approved data Target: Asset teams capturing knowledge for the enterprise Best Practice: Uses a corporate data model to store results

Advantages: Provides a SOXcompliant audit trail for technical data

Lessons Learned: Requires established and enforced workflows



Level IV:



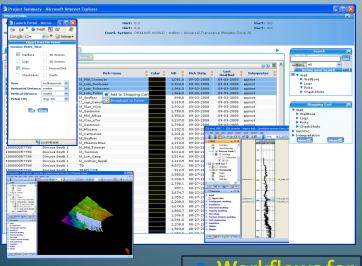
Six Sigma
Data Quality
Methodology

Target: Users sharing data between multiple applications
Best Practice: Select a data source of known quality to compare against

Advantages: Quantitative quality tags for completeness, accuracy, and consistency Lessons Learned: SME's to build and implement business rules



Level IV:



Workflows for automated decision support

Target: Data stewards or gatekeepers

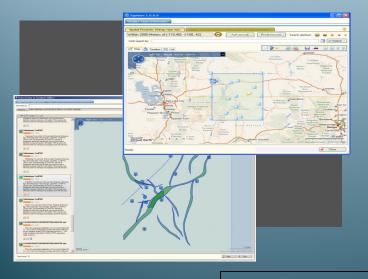
Best Practice: Deploy on Microsoft SharePoint or NET

Advantages: Web enabled access to multiple data stores

Lessons Learned: Browse query and report only functionality for end users



Level V:



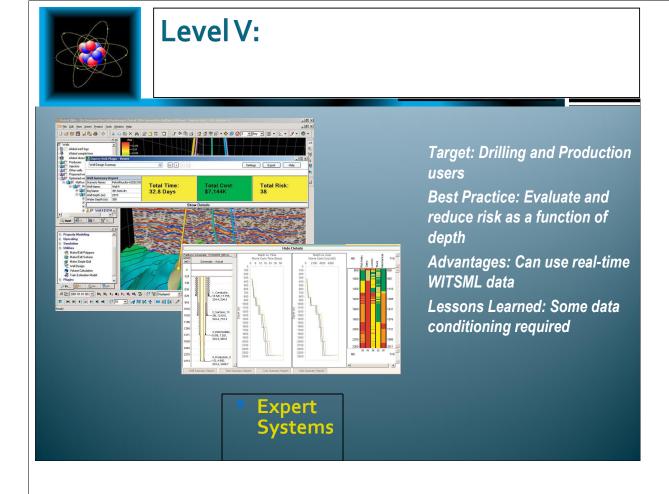
Target: Users doing data discovery and business intelligence

Best Practice: Tie into known shared drives and document storage

Advantages: Uses the context of the open project

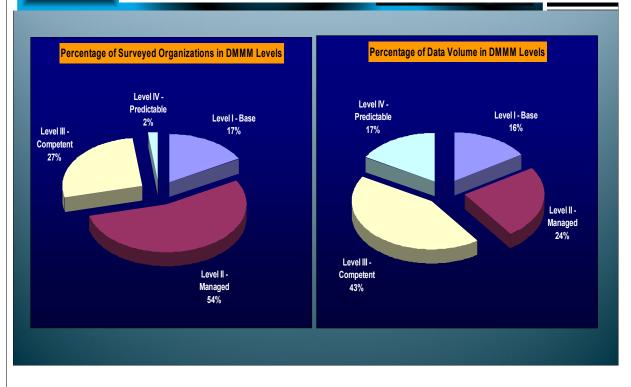
Lessons Learned: Requires geo-tagging

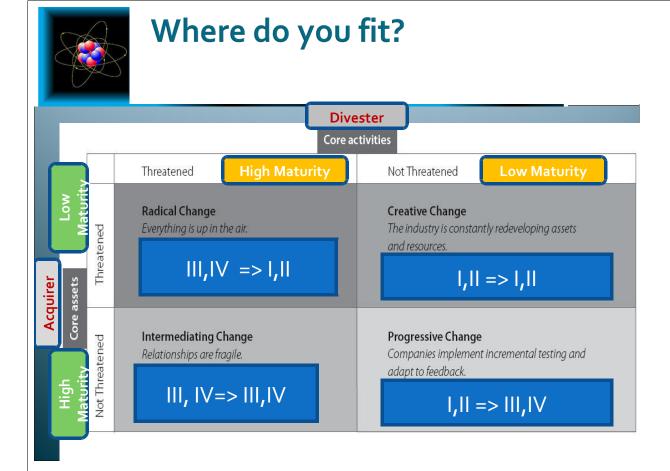
Automated
Data Mining





How is it working today?







Where will you be after the merger?

