Abstract

The U.S. DOE's Office of Fossil Energy (FE) plays a key role in helping the U.S. meet its continually growing need for secure, environmentally sound, and economically competitive FE supplies. A Knowledge Management (KM) tool is being deployed within DOE's Energy Data Exchange (EDX) data computing platform to support DOE's Shale R&D community and facilitate efficient collection, curation, and sharing of R&D knowledge within the active FE research community. This tool will make play-for-play Program and R&D more efficient, effective, as well as serve as a collection of information to benefit future members of the FE community.

A corporate KM system has the following potential benefits: i) reduce or prevent errors, ii) reduce preparation time and worker stress, and improve job performance for stakeholders; iii) a KM tool will allow timely and easy access to knowledge, and apply expertise across the FE complex, iv) ensure adoption of new R&D results and techniques in real time, v) provide best practices and lessons learned for others, vi) reduce learning time, and vii) create knowledge from workforce members before they depart the FE community.

Developing A Knowledge Management Tool

for DOE’s Shale R&D Community

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DEFINING THE NEED: The Shale Pilot KM Tool was deployed via EDX for DOE users in August 2018. The Shale KM Pilot community includes DOE FE's Shale R&D Program and research expertise will reduce redundancy, improve efficiency, and ensure that DOE FE research builds off existing knowledge and results. Other corporate KM systems have been documented to reduce job preparation time and worker stress, and improve job performance for stakeholders. DOE’s KM tool will allow timely and easy access to knowledge, and apply expertise across the FE complex, ensure adoption of new R&D results and techniques in real time, provide best practices and lessons learned for users, reduce learning time, and create knowledge from workforce members before they depart the FE community.

A Tool for DOE FE Knowledge Management

Pilot Shale Community promotes integration of discrete shale technology efforts within four topic areas and between those areas and other areas, fostering an enduring community for knowledge communication, coordination, and curation.


DOE* personnel can join FE’s KM community today

Email kmsupport@netl.doe.gov to find out how to join!

We lack coordination & communication…

… leads to missed opportunities

For more information or assistance with DOE FE’s KM Tool contact:
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