DOE ARM Data and Measurement Needs

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- ▶ Is this an efficient use of funds?

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- ▶ Elaborate on QA/QC procedures

Pursue a golden mean

- ▶ "Nothing in excess"
- ▶ Identify longish list of high-priority measurements
- ▶ Capture commentary upon "adequacy for purpose"
- ▶ Characterize experimental uncertainty more carefully
- ▶ Guide investment in the newest technologies

DOE ARM tools

- ▶ Agency staff
- ▶ Committee structure
- ▶ Meetings
- ▶ Documents
- ▶ Processes (funding selections, votes, etc.)

DOE ARM documents

- ▶ External and internal
- ▶ Peer-reviewed literature
- ▶ Agency or congressional review
- ▶ Scientific, statistical, and financial
- ▶ Public and private

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- ▶ Define data and measurement needs (help DOE ARM pursue the golden mean)

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- ▶ Need a tool to actively communicate data needs on an updated basis (and systematically identify them)

Defining data and measurement needs

- ▶ In terms of model variables or measured variables?
- ▶ "How you measure it is not our expertise"
- ▶ In terms of technological capabilities or wish lists?
- ▶ What don't we need?
- ▶ Are measurements "adequate for purpose"?

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- ▶ Find efficient ongoing practice (meetings, e-mail, etc.)

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- ▶ Develop procedure for periodic content review