Technical Infrastructure
Focus Area
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What the Technical Infrastructure Subcommittee has discussed

• If data are not findable, definable, and extractable from their home organization, there will be no evidence building
• If data terms of use are not clear, there will be no data sharing
• If organizations lack capacity to build evidence without privacy enhancing techniques (PET), it will be challenging to introduce PET
• One monolithic technical infrastructure is not going to satisfy all use cases
• Not all use cases are known or understood today
• Internal evaluation needs can spur progress towards a unified data catalog, workbenches, and tools (USDA!)
Technical Infrastructure must satisfy needs of

**Data contributors**
- Requirements and governance
- Standards (system and data)
- Plumbing to move/access data
- Dedicated staff and SMEs

**Data users**
- Documentation
- Workbench to analyze data
- Enclaves to access restricted data
- Tools to protect privacy

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Need standards!
Is “year” a calendar year, federal fiscal year, or state fiscal year?
Major challenge we have identified

• We need to know the governance framework to communicate rules for data access and use, within technical infrastructures, abiding by the legal framework

• But we lack clarity on governance and the legal framework
  • Especially important for state-federal projects

• We need SCOPE discussion – need to know WHAT before we discuss HOW
Are other ACDEB subcommittees addressing

- Harmonization across programs to define things in similar ways?
- Best practices to make data interoperable within and across agencies?
- Governance for data being manipulated in situ or brought together in virtual or actual enclaves?
- Models for providing technical assistance?
- Models to fund infrastructure upgrades in federal and state agencies?
- Needs and options for boards and councils to engage on scientific/technical direction, strategic vision, and community voice and value?
- Models to provide auditing, pen-testing, and transparency across the evidence-building landscape?
- Administrative supports for evidence building?