

Statewide Data Governance Assessment

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New Mexico Tech

Institute for Complex Additive Systems Analysis

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Data Governance Project Funding 2024

NM State Legislative Funding

\$480,000 to New Mexico Tech/ICASA to analyze and report on current data systems, data governance structures and data management protocols [HAFC/HB2 AND HB3, aa - Page 281](#)

Central Questions

- What is New Mexico's current data governance landscape?
- What are the practical opportunities to strengthen statewide collaboration, improve data stewardship, modernize technology infrastructure, and support evidence-based decision-making?

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Data Gov., The “What”:

“The system of practices, processes, rules, roles and culture that ensure that an organization’s data is accurate, secure, and accessible and usable for decision-making and other essential uses.”

Central Questions

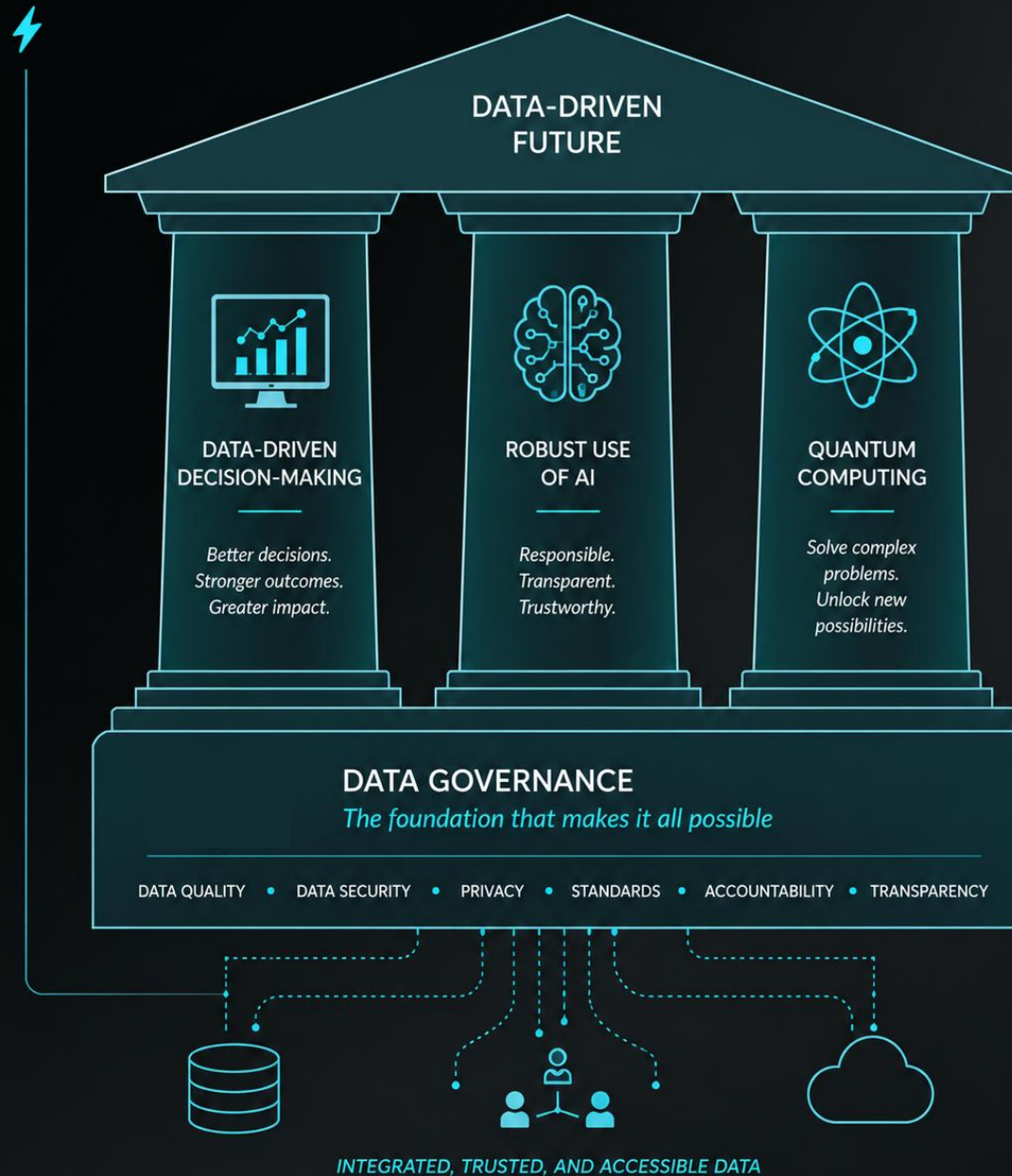
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The “Why”:

*“Ultimately, data governance is **not an end in itself**. Its purpose is to **enable secure, responsible, and effective use** of information that supports **better public policy**, improves **government operations**, enhances **transparency**, protects **privacy**, and delivers **better outcomes** for the people of New Mexico.”*

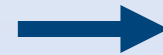
Why Data Governance?

DATA IS ONLY AS POWERFUL
AS THE FOUNDATION IT'S BUILT ON.



The Goal: Develop Statewide Data Governance Strategy

"North Star": Build a state-wide, integrated, and secure data infrastructure that supports efficient and transparent data sharing across all agencies.



A culture prioritizing data governance, and management protocols.

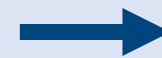


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**Map data systems,
interfaces &
management protocols**



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**Map data systems,
interfaces &
management protocols**



**Support
efficient/transparent
data across all
agencies**

**A culture prioritizing data
governance, and
management protocols.**



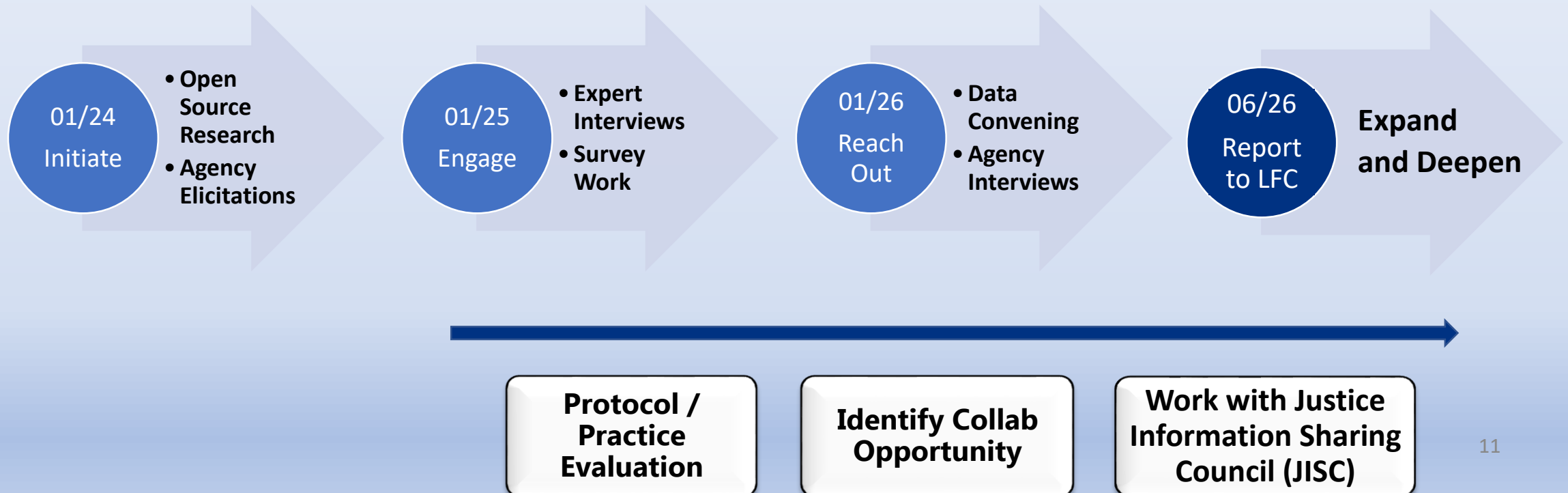
Data Governance Project – Work to Date

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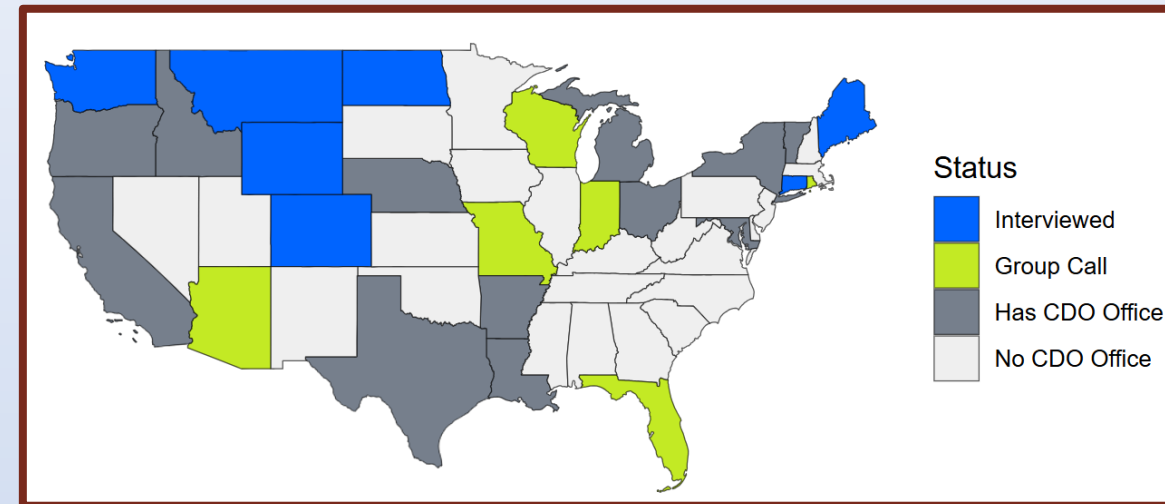
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Expert CDO Interviews

Chief Data Officer Engagements



Expert CDO Interviews

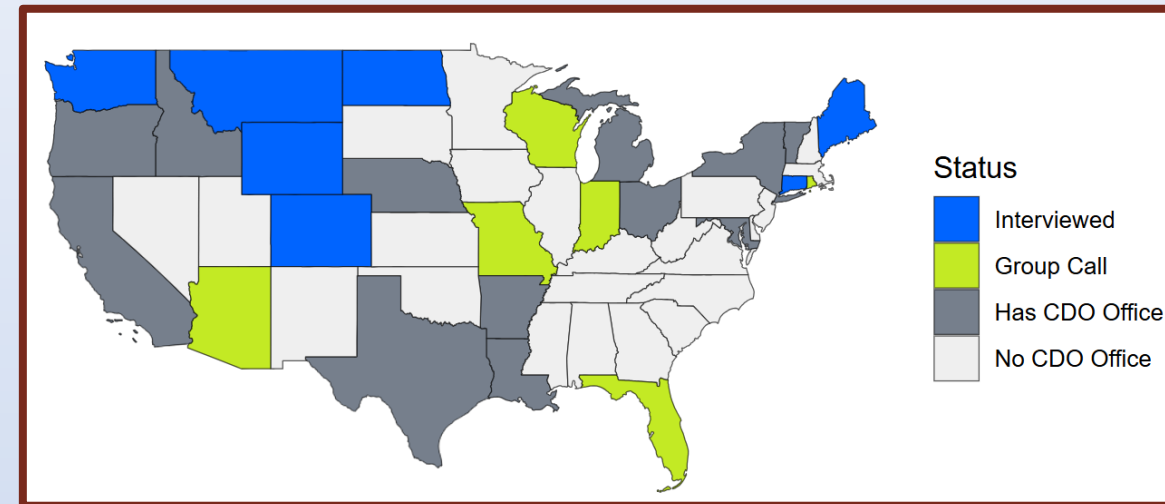
“Computers are easy, people are tough”

“When you hear ‘data governance’, you hear ‘I’m not going to get my data’”

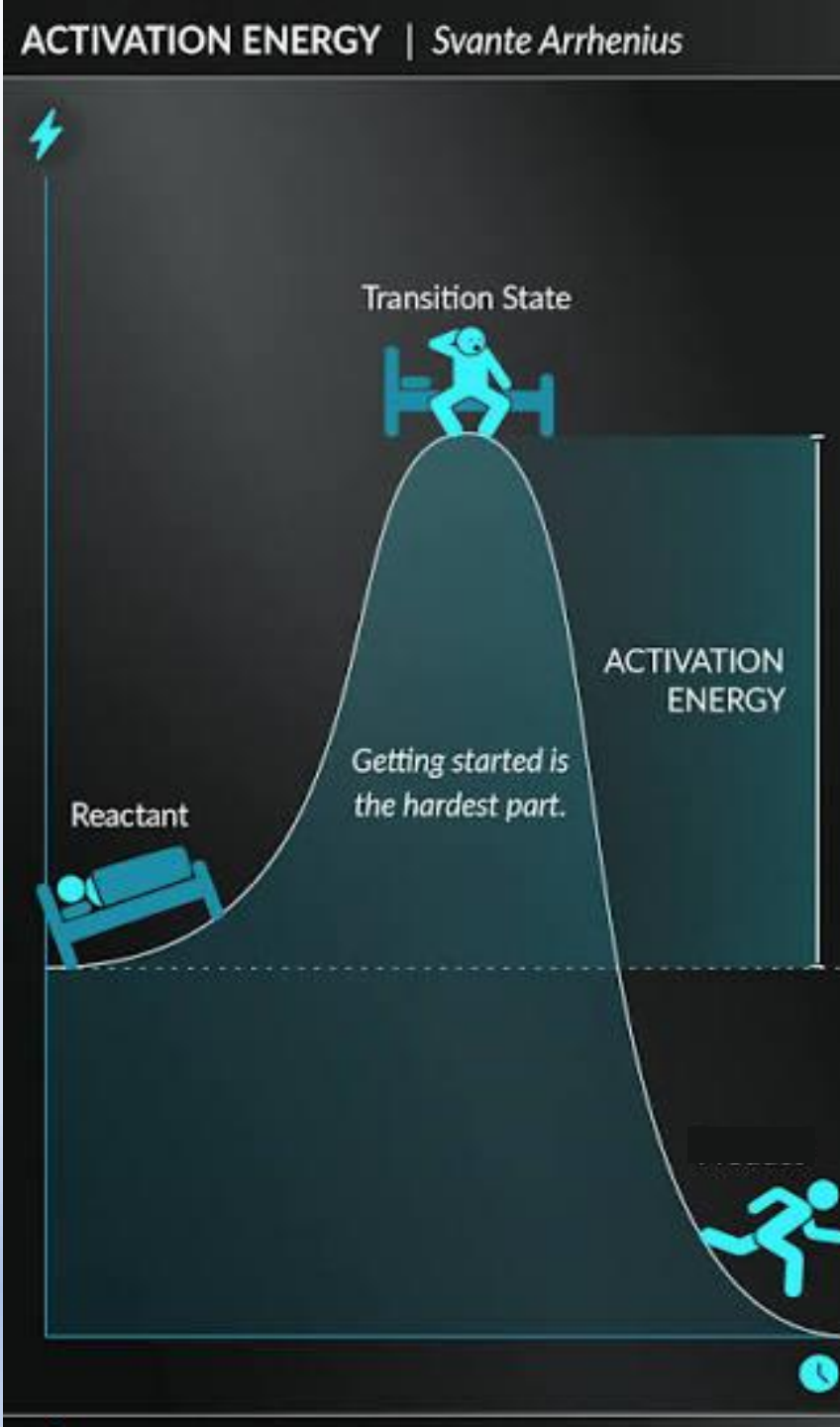
“We knew we weren’t going to do this with ‘coercive power’...How do we make best practice the path of least resistance?”

“I always think you get way further with delivery and trust than you do with beating somebody over the head with legislation or a policy that could change with the next leader anyways.”

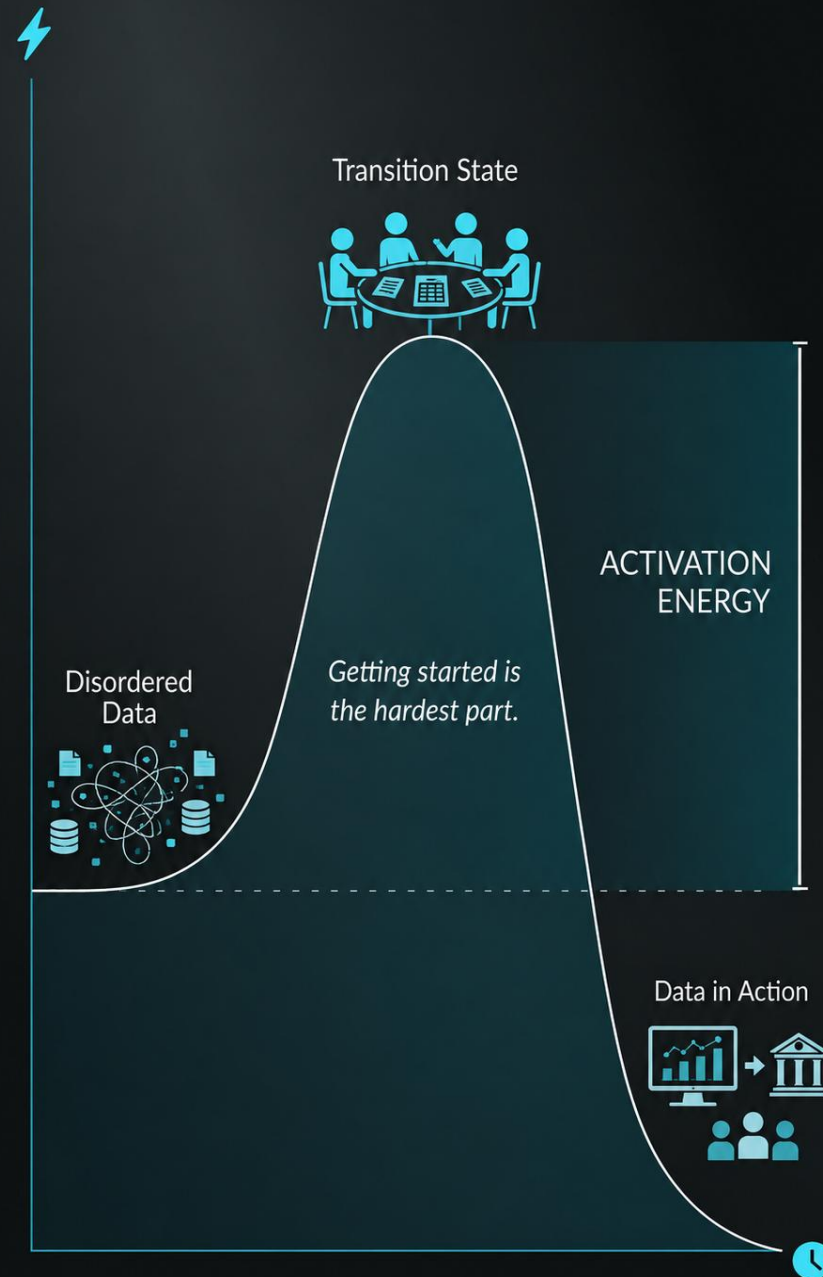
Chief Data Officer Engagements



The Data Governance Challenge



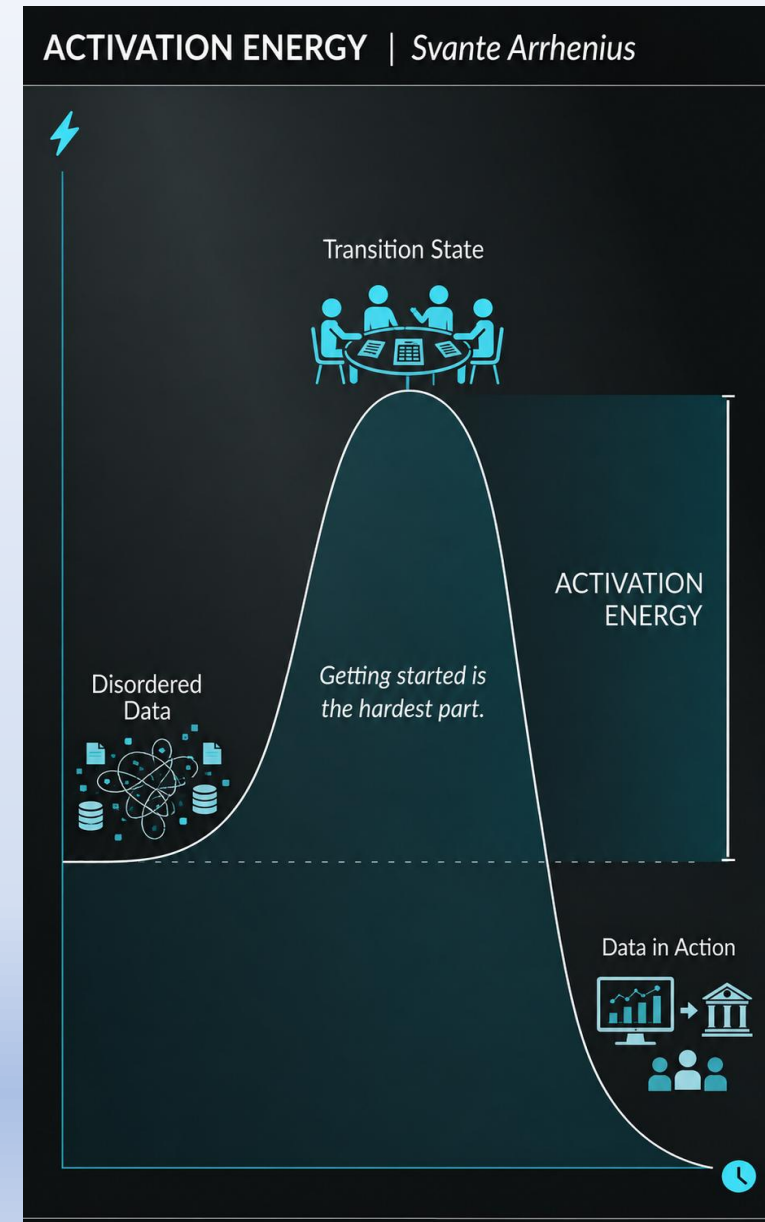
The Data Governance Challenge



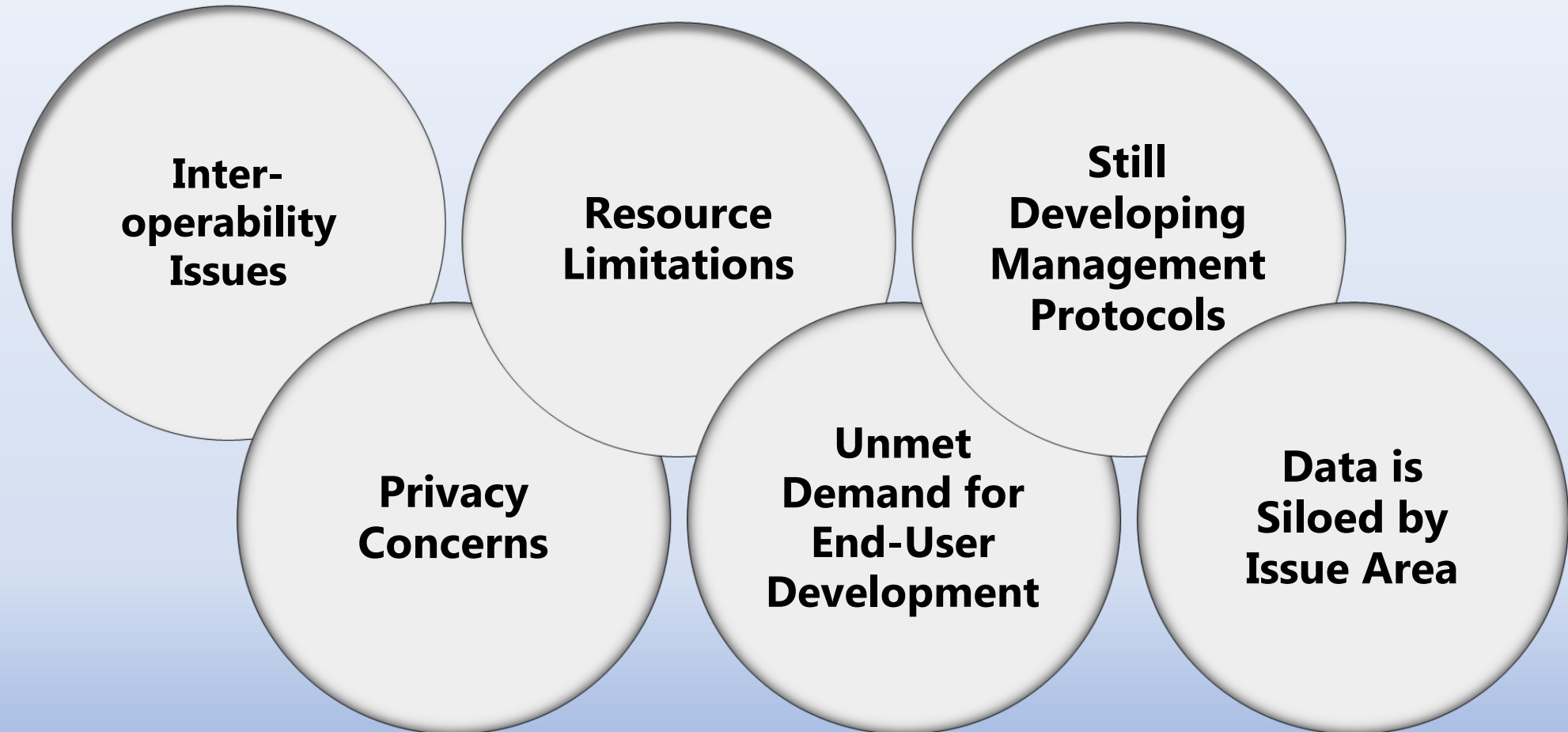
The Data Governance Challenge

- **Potential Barriers**

- Cultural Buy-in
- Lack of Responsibilization
- Missing Organization
- Deficits in Technology, Time, or Talent
- Missing Incentives
- Gaps in Leadership
- Etc.



New Mexico's Data Governance Infrastructure Challenges



Challenge: Agency Diversity

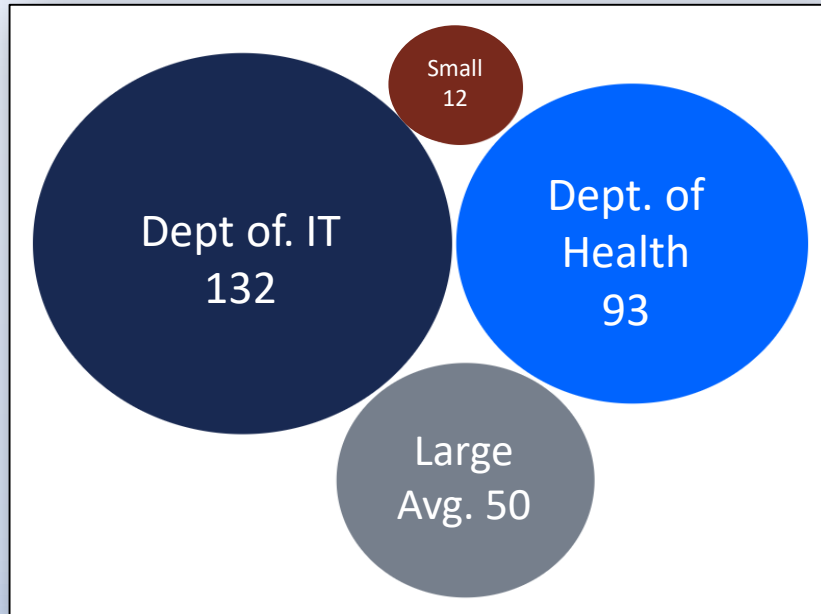
Agency Data and Technology Personnel
Out of 37 NM Agencies



YES: 31

NO: 6

New Mexico Agency Staffing
Levels



Challenge: Agency Diversity

Agency Attributes Based on Survey Results
NM Agencies
 (Scaled from 0-5)

NMED



Documentation	1
Responsibilization	2
Culture	4
Usability	4
Access	1
Resources	1
Auditing/Compliance	1
Council	4
Data Sharing	4

DWS



Documentation	4
Responsibilization	3
Culture	2
Usability	5
Access	3
Resources	5
Auditing/Compliance	3
Council	4
Data Sharing	5

PED



Documentation	4
Responsibilization	5
Culture	5
Usability	4
Access	4
Resources	1
Auditing/Compliance	5
Council	5
Data Sharing	4

Challenge: Fragmentation

Software



A word cloud of various software names, including FleetWave, NMCRIS, Nova, STARS, BlueTeam, SHARE, WATERS/NMWRRS, ECIDS, AWS, SQL Server, Odyssey, RMIS, MS2, CESR, MMIS, BISON-M, TraCS, Conduent, Medicaid Suite, OMNI, WellSky suite, DSVS, CCWIS, ProLaw, MySQL, PowerDMS, eDEAR, NMSIIS, NM-IBIS, Oracle DBMS, and GenTax.

FleetWave
NMCRIS
Nova STARS
BlueTeam
SHARE
WATERS/NMWRRS
ECIDS AWS SQL Server
Odyssey RMIS
MS2 CESR MMIS
BISON-M TraCS
Conduent Medicaid Suite
OMNI WellSky suite DSVS
CCWIS ProLaw MySQL
PowerDMS eDEAR
NMSIIS NM-IBIS
Oracle DBMS
GenTax

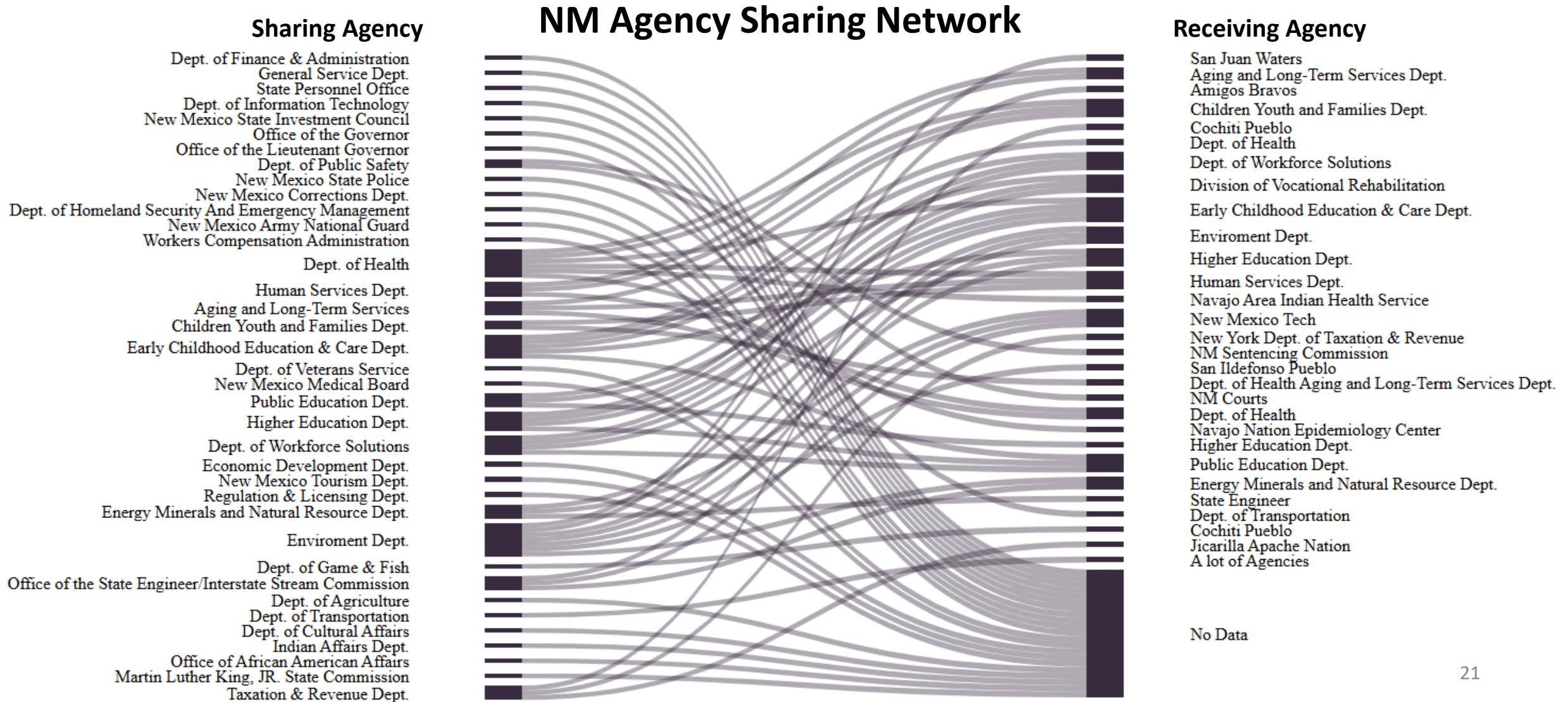
Vendors



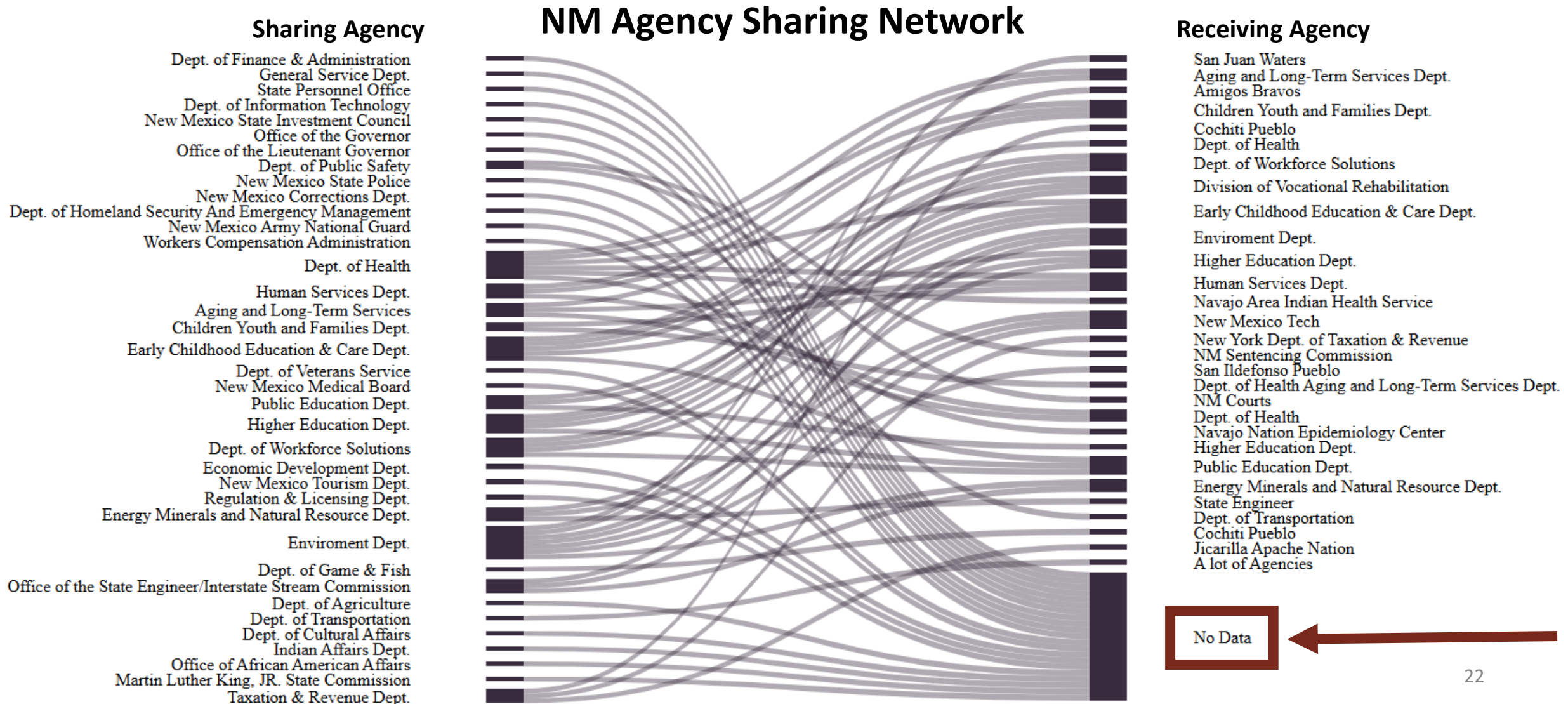
A word cloud of various vendor names, including Assetworks, OpenText, Envision Technology Partners, IAPro, Conduent, NEOGOV, Amazon, In House, Microsoft, RedMane, Oracle, Chevin, Elite, and WellSky.

Assetworks
OpenText
Envision Technology Partners
IAPro Conduent
NEOGOV
Amazon In House
Microsoft
RedMane
Oracle
Chevin
Elite
WellSky

Challenge: Unclear Sharing Networks



Challenge: Unclear Sharing Networks



But Also: Opportunities



Legislative Opportunities

Governance	Capacity	Funding	Implementation
• “Chief Data Officer” with the statutory authority	• Ongoing interagency forums, data councils, annual summits	• Match support with operational demands and new legislation	• Phased implementation requiring demonstrated returns before expanding
• Operation at enterprise level parallel to IT	• ‘Delivery arm’ functions as public data consultancy	• Interagency fund for small grant opportunities	• Designation of functionally engaged data owners & stewards

Conclusion

New Mexico possesses many of the foundational components necessary to build a modern, enterprise-wide approach to data governance. Across state government, agencies have invested in:

Sophisticated information systems

Effective governance practices

Established successful data-sharing partnerships

Demonstrated a strong commitment to protecting sensitive information while improving public services

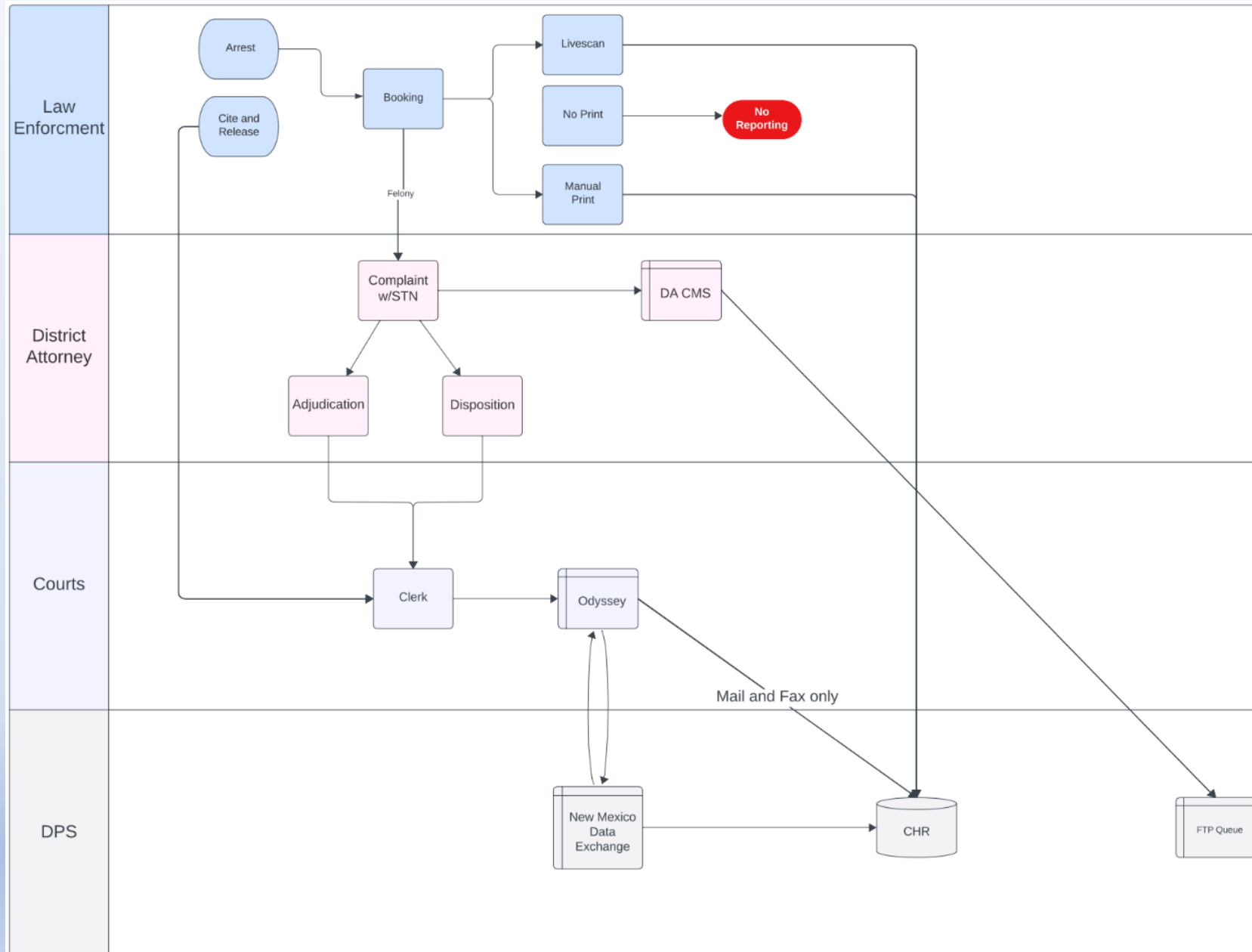
The experiences of peer states demonstrate that successful statewide data governance is achieved through sustained leadership, collaboration, clearly defined roles, and trust.

Next Steps – Expanded / Deepened Engagement

- Criminal Justice
- Water Data Initiative
- Health and Human Services
- Education (Statewide Longitudinal Data Initiative)



Next Steps – Detailed Data Sharing Mapping



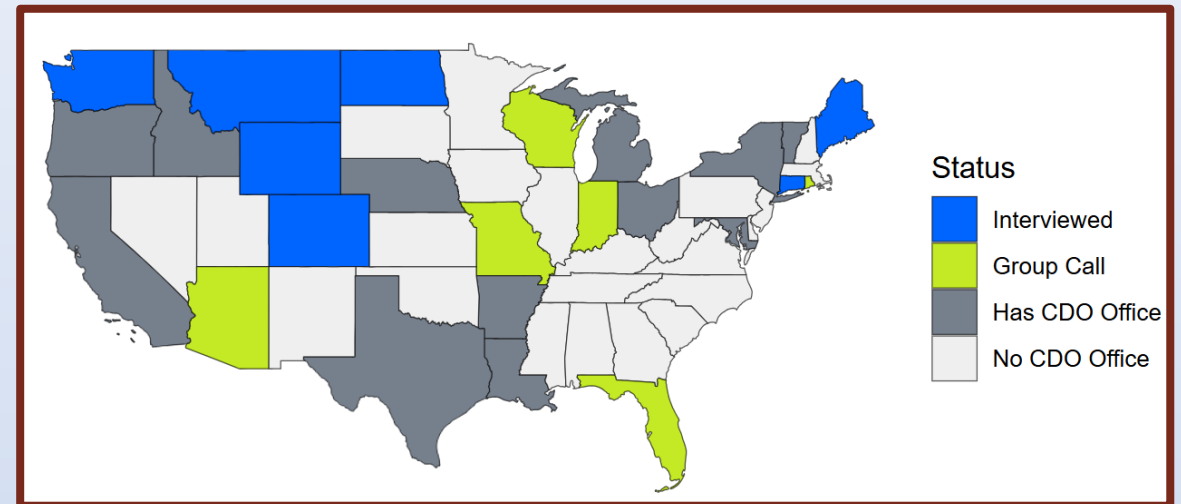
Next Steps - Learn from Other States

“Computers are easy, people are tough”

Lessons for State-Level Strategy:

- Incremental
- Listening- or Trust-Based
- Delivery-Focused

Chief Data Officer Engagements



Next Steps – From General Lessons to Institutionalization

GEORGETOWN
UNIVERSITY

beeckcenter
social impact + innovation

State Chief Data Officer Archetypes:



Lone Builder
Early-stage office with limited authority and resources



IT-Aligned Executor
Technical CDO office embedded within IT structures



Policy Strategist
Executive-aligned, prioritizes policy over technical delivery



Internal Consultant
Well-resourced shared services hub for agency data support

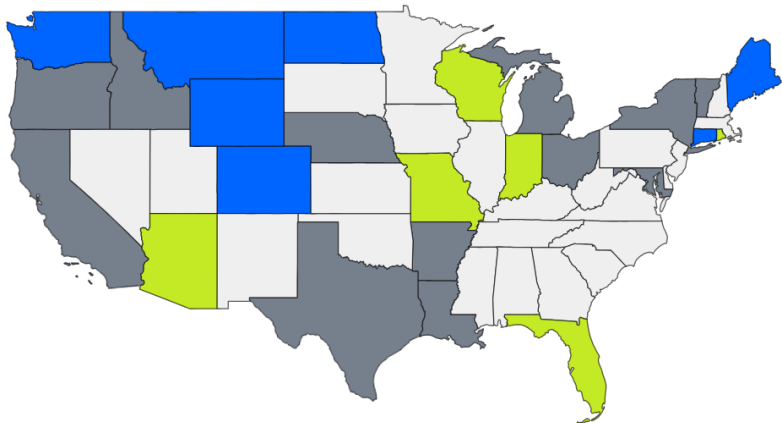


Network Weaver
Relationship-driven, advances goals through coalitions



Governance Steward
Standards-focused, establishes enterprise data policies

Chief Data Officer Engagements



Thank You: Questions & Comments?