

Presentation to ITAC



Vision

To unify data from Arizona state agencies and educational institutions to allow longitudinal analysis of how these state agencies and educational institutions affect the lives of Arizonans.

Mission

To better understand and improve government services, the state is establishing an integrated data system that integrates administrative data from various state agencies and educational institutions with the purpose of assessing the impact of those organizations on the lives of Arizonans over time.

Integrated Data System Development

State of Arizona – Office of Economic Opportunity

December 16, 2021

Presenter: Vignesh Sukumaran

Project Introduction

Problem Statement:

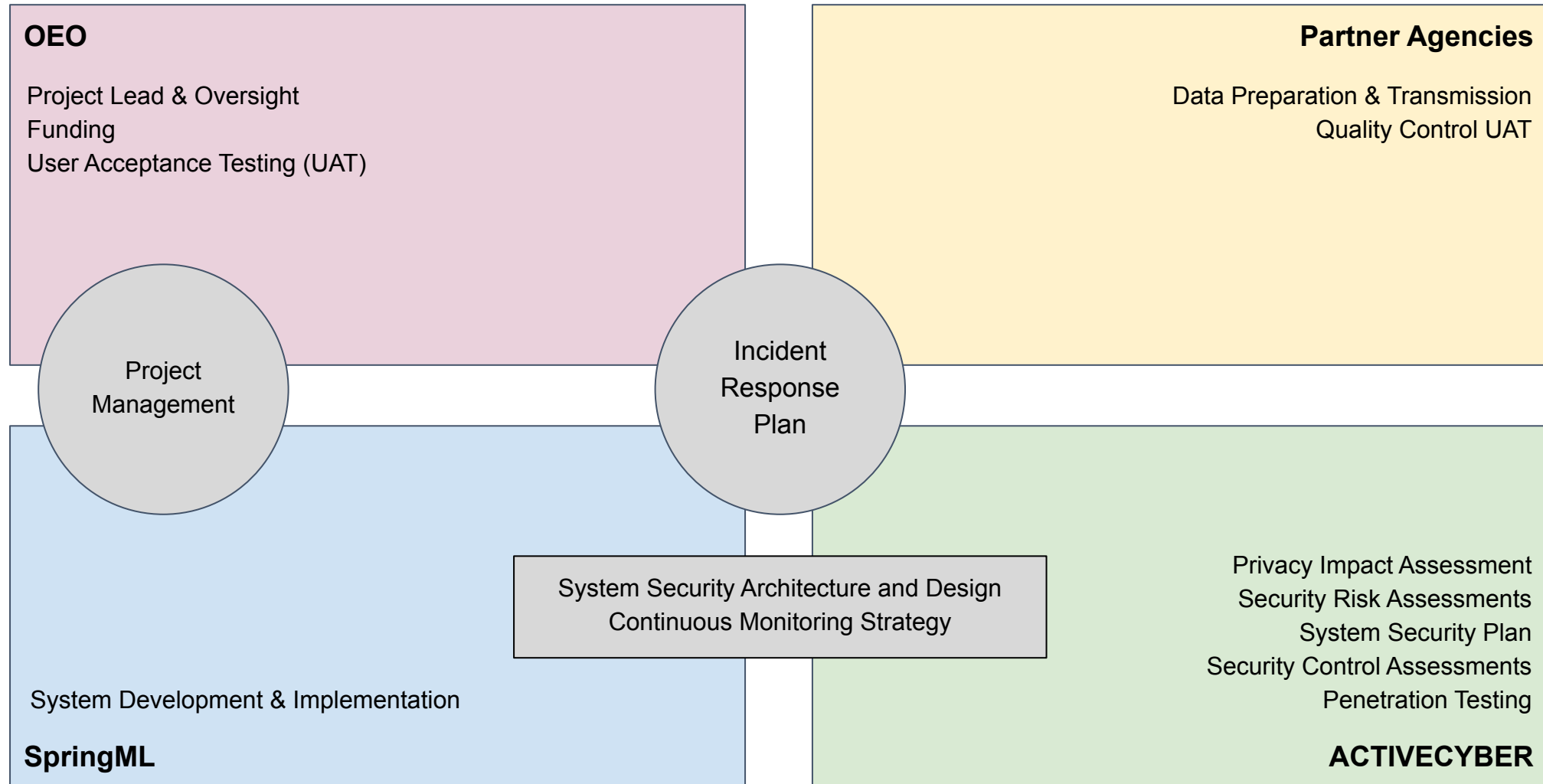
- To better understand and improve services, the state needs an integrated data system (IDS) to combine administrative data from various state agencies and educational institutions for use by:
 - State policymakers to design and fund programs that help people gain skills effectively and move into sustainable jobs.
 - Workforce program managers to measure the effectiveness of their services based on employment outcomes.
 - Community colleges and universities to benchmark and improve outcomes for their students.
 - Parents and students to support informed decisions on education choices.
 - Researchers who want to know what type of services are most effective.

Project Introduction

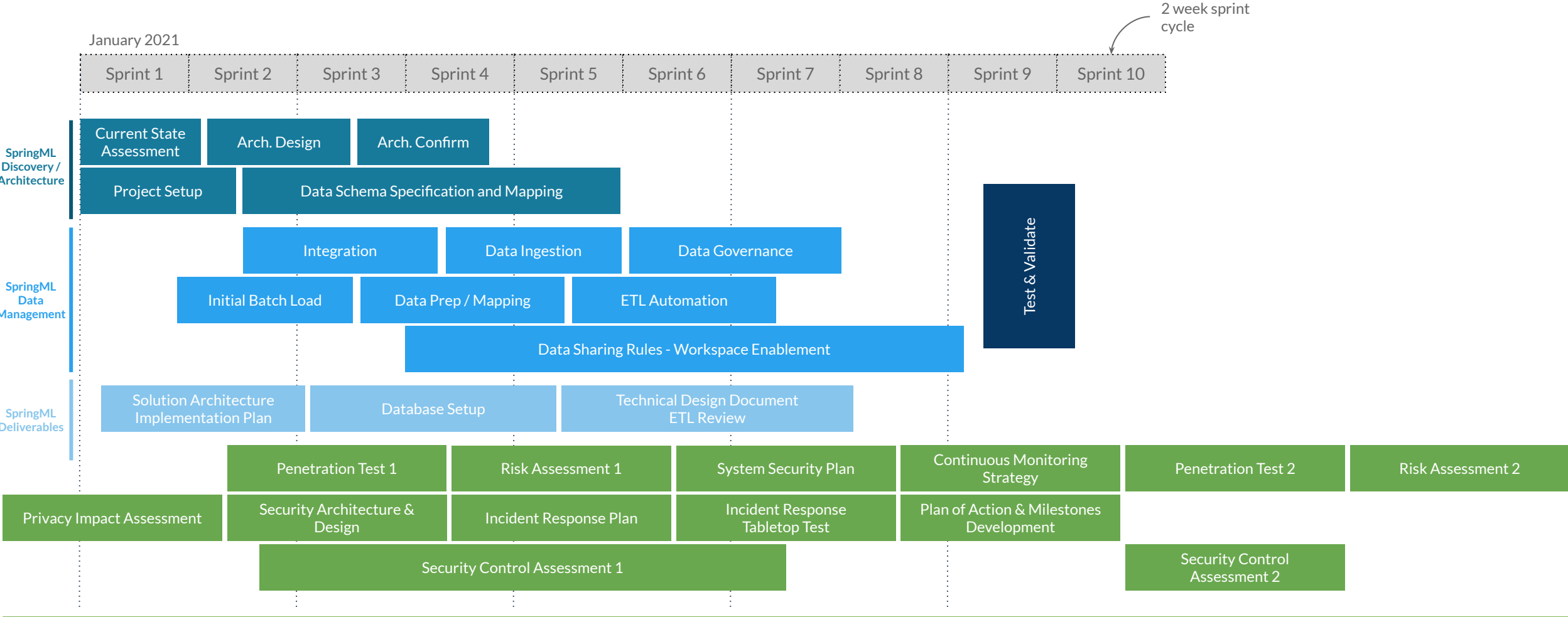
Proposed Solution:

- **Statutes**
 - Laws 2016, Chapter 372 enable system implementation, allow data sharing and institute a governing body.
- **Governance**
 - Partnership and supplemental agreements.
 - Governing body adopted first set of data governance policies on October 23, 2021.
- **Design & Architecture**
 - Discovery (2019 - 2020): ASET, OEO and industry partners (including solution provider for VA and NV education-workforce IDS).
 - Arkansas' identity management framework.
- **Development**
 - Phased development: First phase uses data from OEO, DES, ADE, and Maricopa and Pima community college districts.
- **Procurement**
 - System Development & Implementation (*SHI statewide contract under NASPO*)
 - Evaluated vendor solutions on Azure, AWS and Google Cloud
 - Selected SpringML - company implemented an IDS in the State of Utah.
 - Risk Management Framework implementation. (*Knowledge Services statewide contract*)
 - Selected ACTIVECYBER - company conducted audits of AHCCCS and DES systems.
 - Project Manager (*Knowledge Services statewide contract*)
 - Selection is underway.
- **Desired Outcome**
 - First phase would establish the system; and allow for studies to begin in the second half of 2021.

Project Responsibilities



Project Timeline



Project Costs

	DEVELOPMENT	OPERATIONS				
	FY21	FY22	FY23	FY24	FY25	
Professional & Outside Services (Contractors)	\$1,085,729	\$109,200	\$109,200	\$109,200	\$109,200	
Cloud Services	\$158,489	\$38,912	\$40,404	\$42,046	\$43,852	
Statistical End-User Software	\$56,209	\$56,209	\$56,209	\$56,209	\$56,209	
Total	\$1,300,427	\$204,321	\$205,814	\$207,455	\$209,261	= \$2,127,278

Financial Impact

Project Development Funding

Base Budget - Available	
Base Budget - To Be Requested	
APF Budget - Available	
APF Budget - To Be Requested	
Other Non-Appropriated - Available	\$1,300,427
Other Appropriated - To Be Requested	
Federal - Available	
Federal - To Be Requested	

Operational Delta

Current 4-Year Operational Cost (Avg)	\$0
Proposed 4-Year Operational Cost (Avg)	\$206,713 per year
Financial Impact of New System	\$206,713 per year

Total Development Project Funding

Available Budget	\$2,127,278
To Be Requested Budget	

Total Operational Funding - Project

Other Non-Appropriated - Available	\$826,851
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Q & A Session

Requesting Approval For

OEO is requesting approval for the **IDS Development Project**:

- Design, develop and implement an integrated data system on Google Cloud.
- Use data from Department of Economic Security, Arizona Department of Education, Office of Economic Opportunity, Maricopa County Community College District and Pima County Community College District to implement the IDS.
- Implement a complete risk management framework that is compliant with statewide information security policies.