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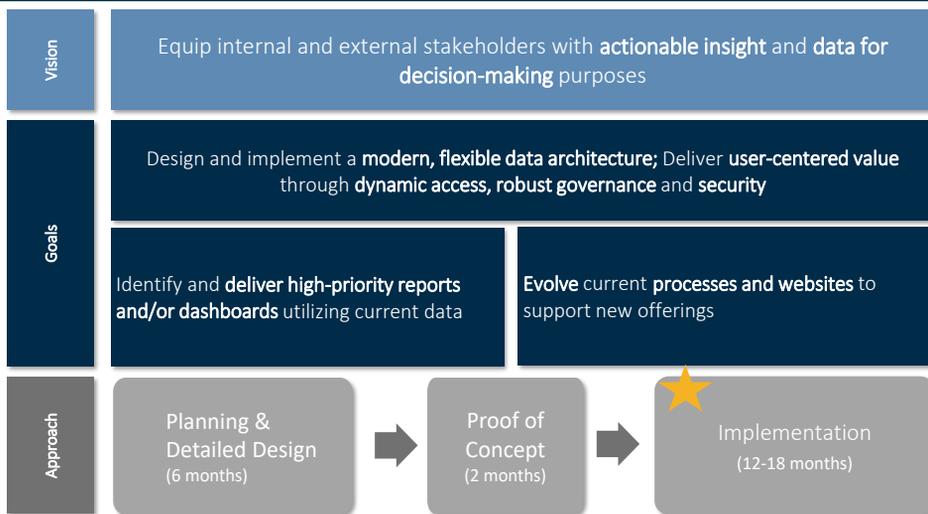
Data Modernization Initiative Update

Lori Fey, Deputy Commissioner - Data Analytics and Innovation

July 21, 2021

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Data Modernization Initiative

Vision

Equip internal and external stakeholders with **actionable insight** and **data for decision-making** purposes

Goals

Design and implement a **modern, flexible data architecture;** Deliver **user-centered value** through **dynamic access, robust governance** and **security**

Identify and **deliver high-priority reports and/or dashboards** utilizing current data

Evolve current **processes and websites** to support new offerings

Approach

Planning & Detailed Design (6 months) → Proof of Concept (2 months) → Implementation (12-18 months)

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Implementation Roadmap through December 2021

	Accomplished to Date	Work in Progress	Planned Work through Dec 2021
Tech & Data Architecture	√ Created current-state document, including data and technical architecture diagrams √ Developed cost model and operating model √ **Designed initial concrete solution design, project descriptions, and implementation road map** √ Completed proof of concept, supported by cloud expert resources √ **Procured and onboarded staff augmentation resources** √ **Established technical environment** for testing and development	• Continue training internal team on new cloud components • Establish scrum teams of recently onboarded staff augmentation resources, managed by agency personnel • Launch projects according to refined road map, with focus on internal data management and **establishing a new public portal** • Identify and procure a web-based solution for a comprehensive, accessible data dictionary • Contract for user interface/user experience development for externally-facing portals	• Launch additional projects according to refined road map • Release initial public portal for internal testing and use • Develop the first release of the data submission portal for use by institutions submitting Financial Aid Data System (FADS) reports using the modernized data pipeline
Governance	√ Consolidated stakeholder input √ **Completed assessment and recommendations report** √ Approved data governance charter and handbook by the data governance council √ Launched **new agency-wide data governance structure**	• Finalize and implement procedures and processes for the operation of the Data Governance Council (DGC) • Prioritize initial focus areas for the DGC • Create external stakeholder group(s) to inform recommendations of the DGC	• Assess and recommend improvements for Tri-Agency data governance • Engage with external stakeholder group(s) on priority data governance areas
Communications	√ Trained staff on the new content management system √ **Built new website in development environment** √ Finalized transition plan for existing web applications √ Completed migration of documents to consolidated websites	• Develop **consolidated architecture and migration plan** for all agency websites • Secure cloud-based hosting environment • Create user acceptance testing protocols and launch testing	• Relaunch main agency website and data website • Continue consolidation and website improvements

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Questions?

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