

Digital is "Baked In" to the FY24-28 Strategic Plan

A Library for All

FY2024-2028

STRATEGIC GOALS



Expand Access



Enhance Services



Strengthen Capacity



Foster Innovation

USER-CENTRIC THE ENDS

#1 EXPAND ACCESS

Make our unique collections, experts, and services available when, where, and how our users need them.

#2 ENHANCE SERVICES

Create valuable experiences for every user to forge lifelong connections to the Library.

ORGANIZATION-CENTRIC THE MEANS

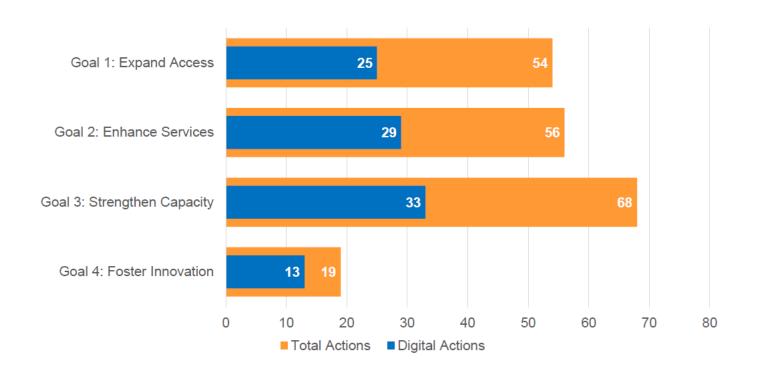
#3 STRENGTHEN CAPACITY

Support our staff and strengthen our operations.

#4 FOSTER INNOVATION

Explore new approaches and emerging technologies to address challenges and spark creativity.

Our Digital Transformation Continues







What is Promising at the Library with Al

- The current best application of AI is in improving workflow and the best to make these decisions are the staff in that workflow. **Our staff and their expertise are a necessity**
- There is no one-size fits all AI. There are many services that can be used in many domains. Effectiveness in our mission leads to sustainability of our vast cultural heritage
- Sovernance is key and all of us have a role in ensuring responsible approaches, to build on established trust. Every outcome is to be trustworthy, authoritative, and authentic
- The Library balances human judgment with machine capabilities. Responsible Al considerations start from the beginning as bias and inaccuracy occur. Humans-in-Loop is required for quality outcomes.
- Exploration before implementation. Continuous effort is key for managing Al systems, models change quickly, and benchmarks are needed.
- Al technologies are improving rapidly but the Library's approach to Al builds on decades of technological innovation

Crick, F. (1953) Sketch of the DNA Double Helix by Francis Crick. United Kingdom of Great Britain and Northern Ireland, 1953. [Place of Publication Not Identified: Publisher Not Identified] [Photograph] Retrieved from the Library of Congress, https://www.loc.gov/item/2021669916/.

DNA Data StorageInitiative

Origins

As part of the Library's strategic goal to foster innovation, Public Law 118-47 tasks the Library to explore innovative data storage and migration techniques. The Library chose to begin this initiative with a pilot project to explore the feasibility of utilizing synthetic DNA data storage as a method to store our digitized preservation collection.

Intended Outcomes

The Library aims to demonstrate the feasibility of DNA as a high-density, scalable, and durable medium for storing the Library's digital collections. This work will contribute to the growing field of DNA-based data storage while pushing the boundaries of data preservation.

Current Status

The Library is currently navigating the early stages of government acquisition process in pursuit of an industry partner to help achieve the intended outcomes.

Collaboration is Key



Thank You



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