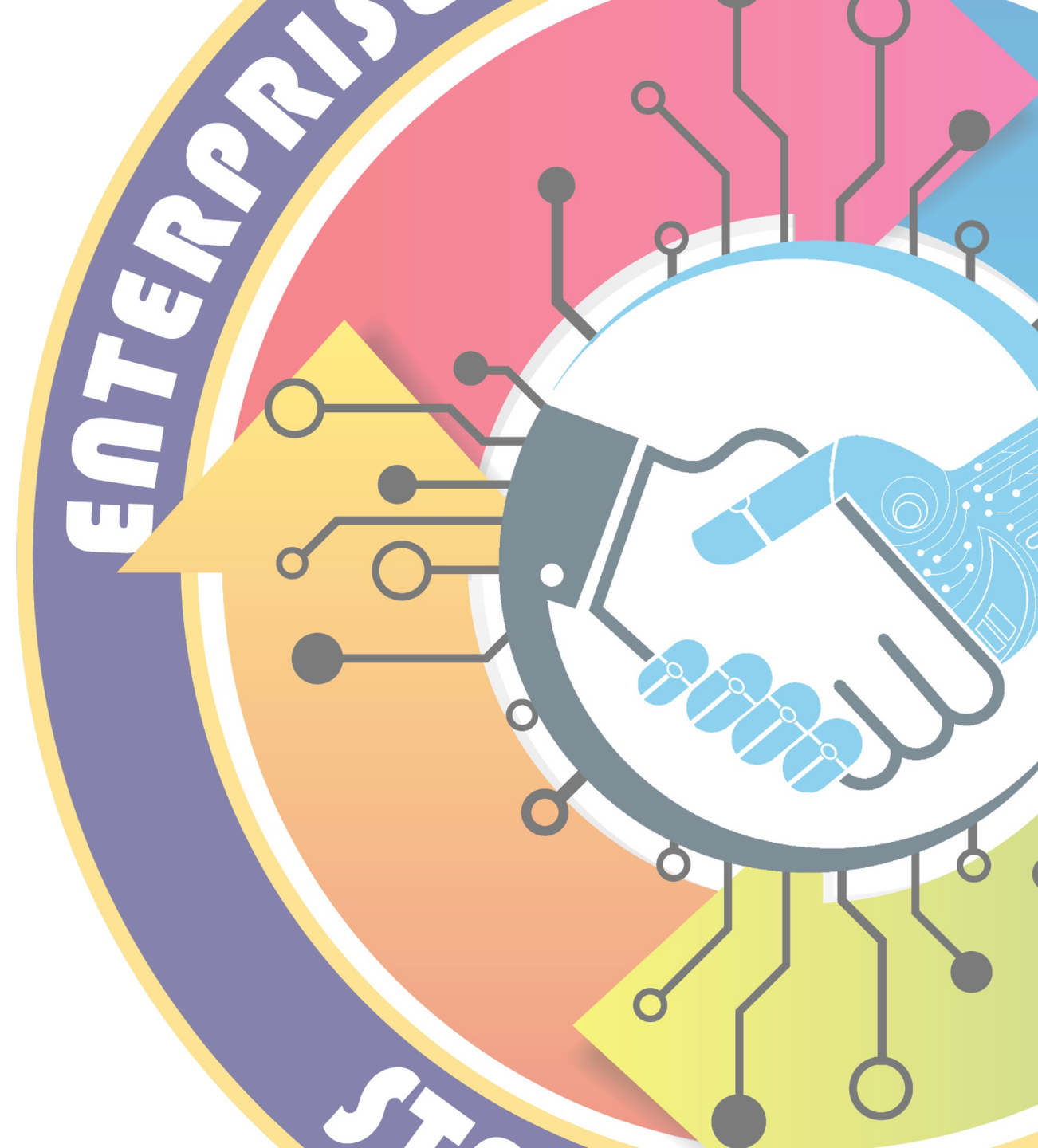




Introduction to the Hawaii Data Task Force

March 18th, 2024



ACT 167 establishes a data task force with 10 members to assist the CDO in developing the State's data policies, procedures, standards, and tool recommendations



Appointed by	Names	Affiliation
ACT167 Section 27-44 (d)	Rebecca Cai	Enterprise Technology Services
Speaker of the House of Representatives	Representative Perruso	House of Representatives
Speaker of the House of Representatives	Thomas Lee	Hawaii Data Collaborative
President of the Senate	Kaimana Bingham	Hawaii Green Growth
President of the Senate	Torrie Inouye	Bank of Hawaii
Chief Justice of the Supreme Court	Mai Nguyen Van	Hawaii State Judiciary
Superintendent of Education	Tammi Oyadomari-Chun	Department of Education
Director of Human Services	Ranjani Starr	Department of Human Services
Director of Health	Steve Sakamoto	Department of Health
Director of Business, Economic Development & Tourism	Eugene Tian	Department of Business, Economic development & Tourism
President of the University of Hawaii	Sandra Furuto	University of Hawaii

data.hawaii.gov



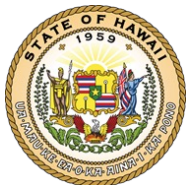
Hawaii Data Task Force Mission



Pursuant to ACT 167 section 27-44, the Data Task Force was established “to assist the Chief Data Officer in developing the State’s data policies, procedures, and standards”, including but not limited to:

1. Developing and implementing the State’s data policies, procedures, and standards;
2. Recommending and implementing processes and tools to improve inter-departmental and intra-departmental decisions making and reporting;
3. Ensuring compliance and implementation of established data policies, procedures, and standards;
4. Securing the resources needed to implement established data policies, procedures, and standards, as well as the processes and tools;
5. Acting as advocates to the legislature and the general public of the established data policies, procedures and standards, as well as the tools recommended.

Need your advocacy





Hawaii's Journey to a Data-Driven Future

March 18th, 2024



ACT 167 calls for establishing state-wide data policies, procedures, standards to facilitate data sharing and recommend process and tools to improve inter-operability



“ ”

§27-44 electronic data set availability;

A develop, implement, and manage statewide data policies, procedures, and standards pursuant to section 27-44.3 and to **facilitate data sharing** across state agencies

Each executive branch department, including the department of education and the University of Hawaii, shall use reasonable efforts to make appropriate and existing data sets maintained by the department electronically available to the public through the **State's open data portal at data.hawaii.gov or successor website** designated by the chief data officer

The chief data officer shall use the state information assets and analytics **to research and**
B recommend processes and tools to improve inter-departmental and intra-departmental decision making and reporting.

Section **27-44.3** ... shall develop policies and procedures to implement section 27-44, including **standards to determine the data sets** that are appropriate for online disclosure as provided in section 27-44 and the **data set format standards** to be used by all agencies in making their data sets available

Data guiding principles



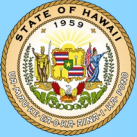
Use case driven – phased approach building on small success

Impact focused – measurable impacts by each use case

Dynamic solutions – automated data processing

Embrace AI – governed data and AI usage throughout data lifecycle

Pursuant to ACT 167, our action plans include strategy, standards, governance framework, as well as approach, business capabilities, and tools to create value and impacts



A

- 1 Create a state data strategy with clear vision, mission, goals, and actionable objectives to guide data operations, drive impacts, and improve citizen services.
- 2 Identify and create data related policies, procedures, and standards necessary to ensure protection while promoting data sharing to support policy decisions, operational efficiencies, and citizen services.
- 3 Establish a data governance framework with clear ownership and responsibilities to create, manage and enforce data policies, procedures, and standards for trusted and sustainable data and AI use.

B

- 1 Adopt a use-case driven, impact-focused approach to ensure a successful journey in driving impacts through proper data governance and data processes and tools adoption.
- 2 Define business questions and processes in order to fully utilize data to empower business in policy recommendations, operational decisions, and citizen services operations.
- 3 Research and recommend tools to create a dynamic data ecosystem with proper security, access control, managed data sharing, while empowering business with all data functions needed.

Detailed slide for each to follow

A 1 Hawaii will drive trust, transparency, citizen satisfaction, and innovation through responsible use of data and AI in public services



Vision

To drive **trust, transparency, citizen satisfaction, and innovation** by improving security, quality, accessibility, accountability of data and AI.

Mission

Cultivate a data-driven, impact-focused, and citizen-centric culture to promote data sharing and integration, privacy protection, evidence-based policy making, and responsible use of data and AI.

Goals

Objectives

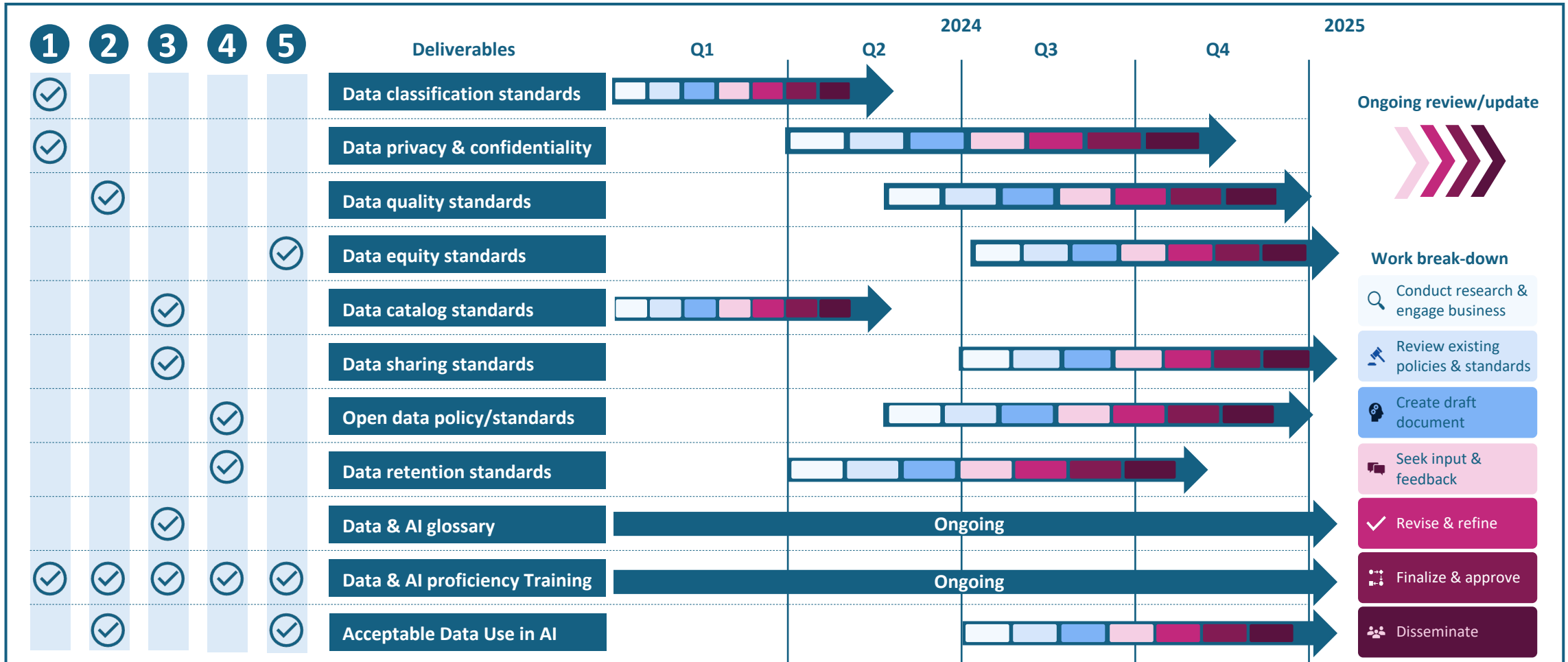
1 Protect privacy, ensure security and compliance	<ul style="list-style-type: none"> • Create data classification and masking standards for all data and AI use. • Protect data privacy according to Federal and State laws & regulations.
2 Improve quality, accuracy and reliability	<ul style="list-style-type: none"> • Establish standards, procedures and tools to manage and improve data quality. • Define data and AI governance according to data quality to promote trust.
3 Promote accessibility and inter-operability	<ul style="list-style-type: none"> • Catalog all state data and integrate master data to enable citizen-centric solutions. • Establish data sharing standards and recommend tools to improve inter-operability.
4 Drive accountability and transparency	<ul style="list-style-type: none"> • Identify owners of data set and AI use cases with clearly defined responsibilities. • Update open data standards to ensure governance & transparency in data & AI use.
5 Ensure equity and ethical responsible use of data & AI	<ul style="list-style-type: none"> • Build data and AI governance framework to ensure equity throughout their lifecycle. • Create auditing mechanism to ensure equitable and ethical use in data and AI.

Trust, transparency, citizen satisfaction, innovation

A

2

To achieve strategic goals, we will collaborate with departments to create data standards and guidelines with ongoing review and updates as needed



Collaborative effort with departments

A 3

Clear ownership and responsibilities at state, department, and data set levels will ensure proper governance for trusted and sustainable data and AI use



Owners

State-wide rules:

- State-wide Data Task Force (with inputs from departments)

Department/Division/County¹ specific rules:

- Department leads
- Department legal
- Department data

Dataset specific rules:

- Department/Division data owners (data stewards)

Responsibilities

<p>State-wide standards/guidelines:</p> <ul style="list-style-type: none"> • Data classification standards • Data privacy & confidentiality standards² • Data quality standards • Data equity standards • Data catalog standards • Data sharing standards • Data retention standards • Data proficiency training • Acceptable use of data in AI • Open data policy • Data glossary 	<p>Ensure departmental level governance:</p> <ul style="list-style-type: none"> • Data steward identification • Data classification setup • Data privacy/confidentiality² setup • Open data sets identification • Data catalog for departmental data sets and owners • Data retention requirements 	<p>Implement data set level governance:</p> <ul style="list-style-type: none"> • Data set access control rules • Data anonymization or aggregation as necessary for open data sets • Ensure equity and privacy in data and AI use case implementation
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This is a journey!

1. Including counties - facilitate vertical collaboration between state agencies and counties
 2. What fields can/can't be shared with compliance/laws clearly identified

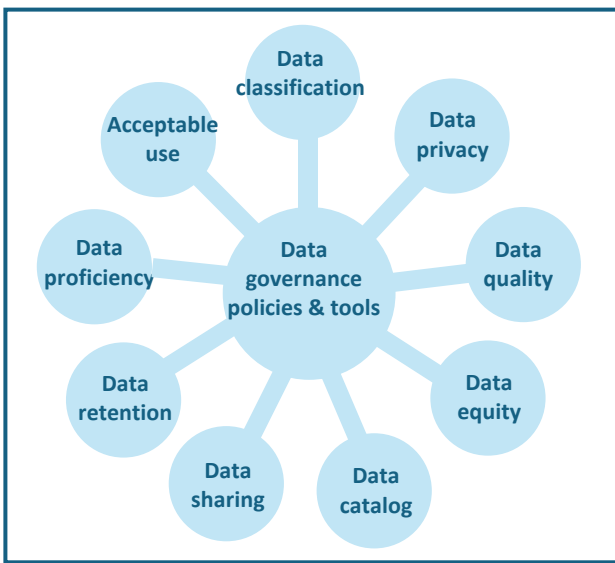


B 1 Driven by use case, data standards guide data lifecycle management to continuously create measurable impacts through data applications including AI



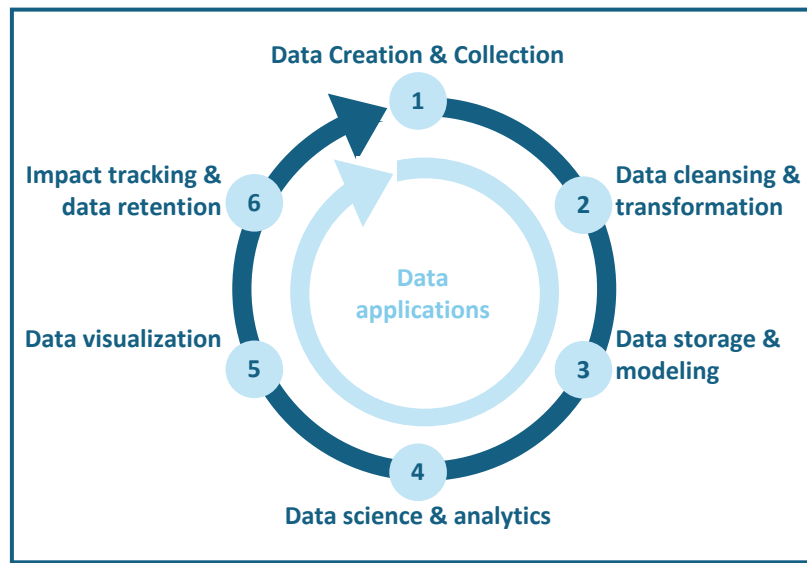
Create data policies & standards

Establish policies, procedures and processes to ensures the security, integrity and accuracy of data.



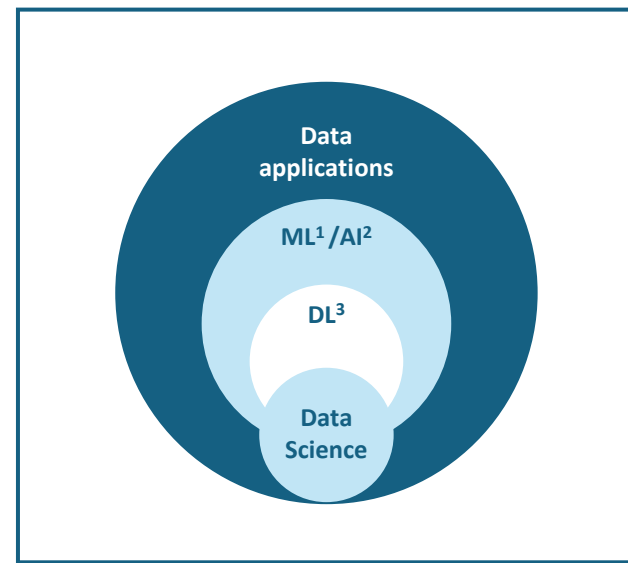
Apply to data lifecycle management

Apply data standards and polices throughout the data life cycle, while data application tools will support every step in this lifecycle.



Create impacts using data applications

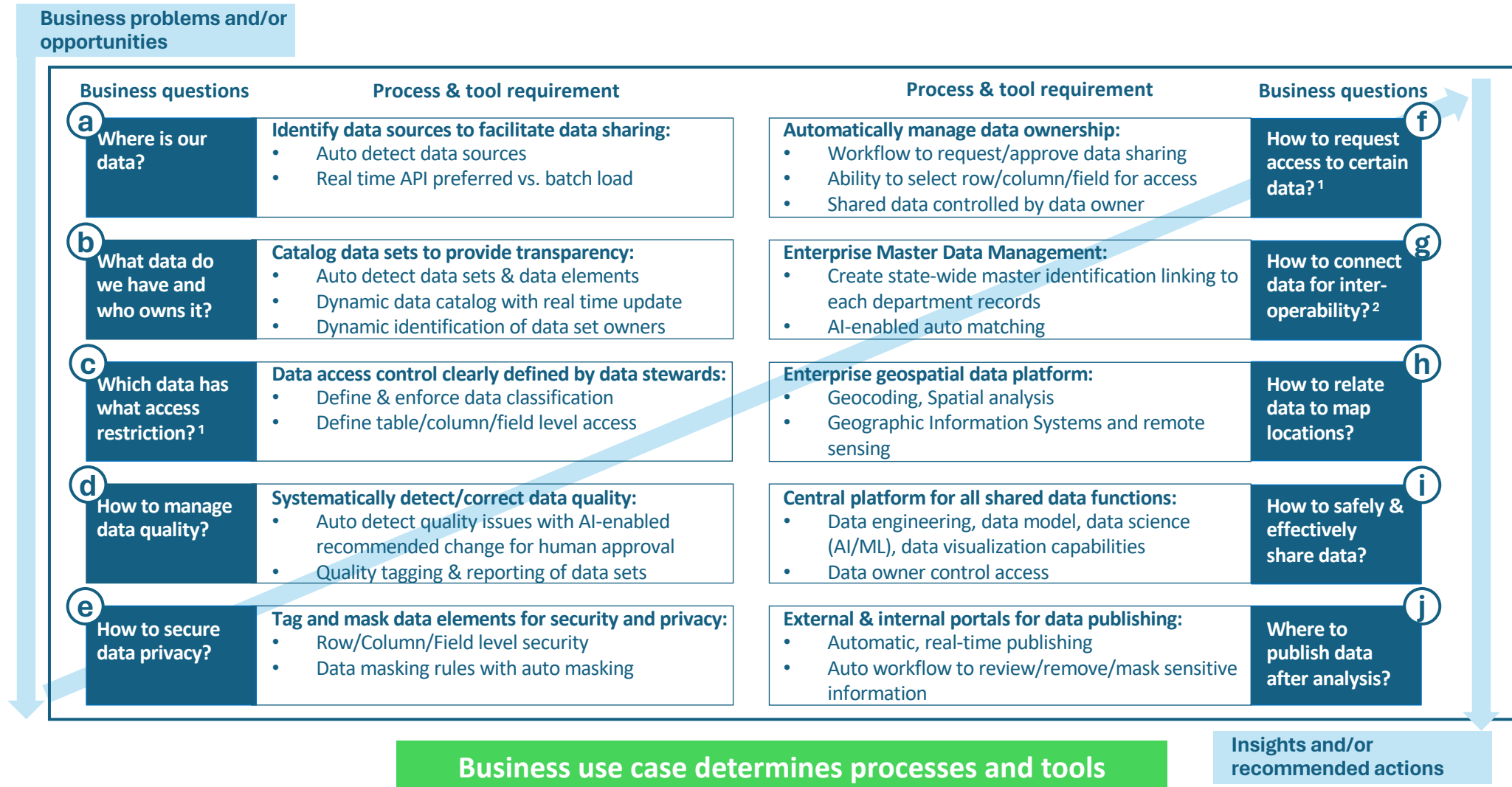
Create impacts by use case through data insights, recommended actions, automated processes, or generated contents.



- 1. ML: Machine Learning.
- 2. AI: Artificial Intelligence. Excluding Symbolic AI here.
- 3. DL: Deep Learning.

B 2

Business use cases and user questions determine data processes and tools to create insights and recommend actions as needed



1. Consider existing identity Access Management in solutioning.
 2. Consider integration with myHawaii ID in solutioning

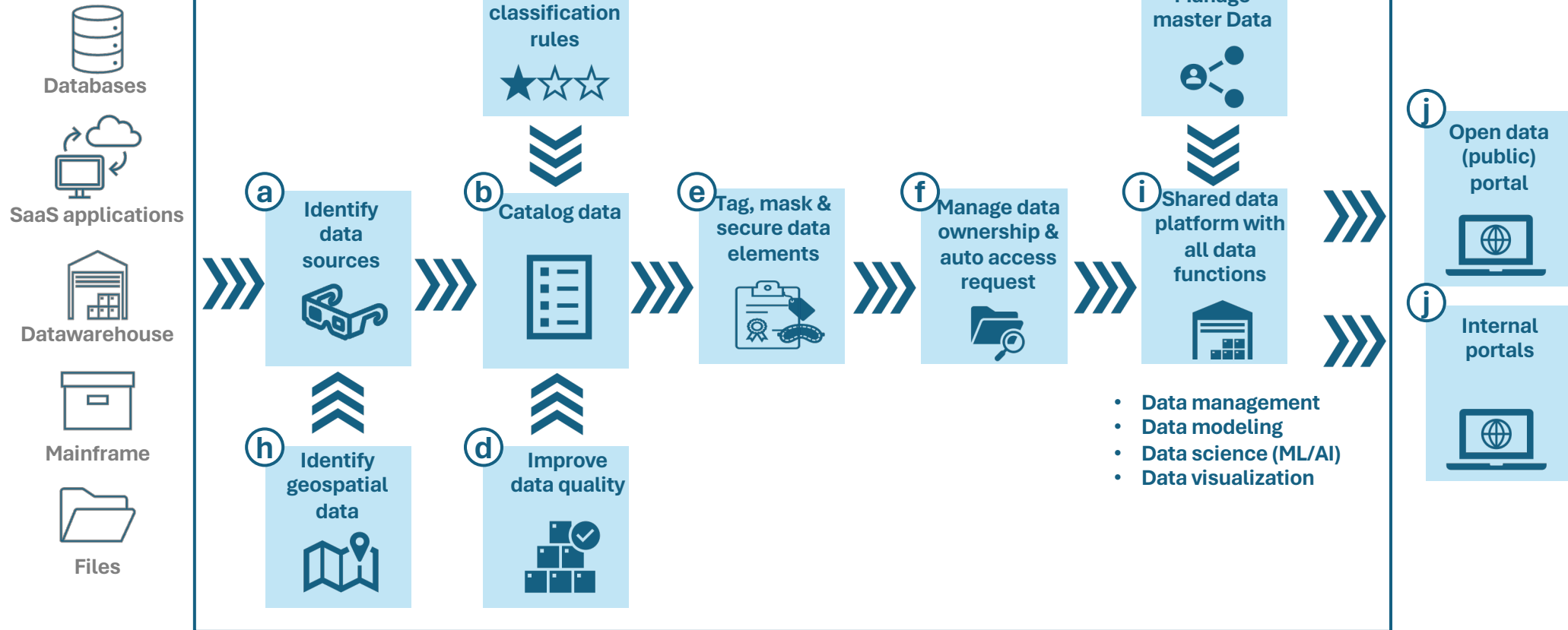
B 3 A federated data ecosystem is needed to apply state data standards and securely manage shared data while empowering business with all data functions needed



Data sources

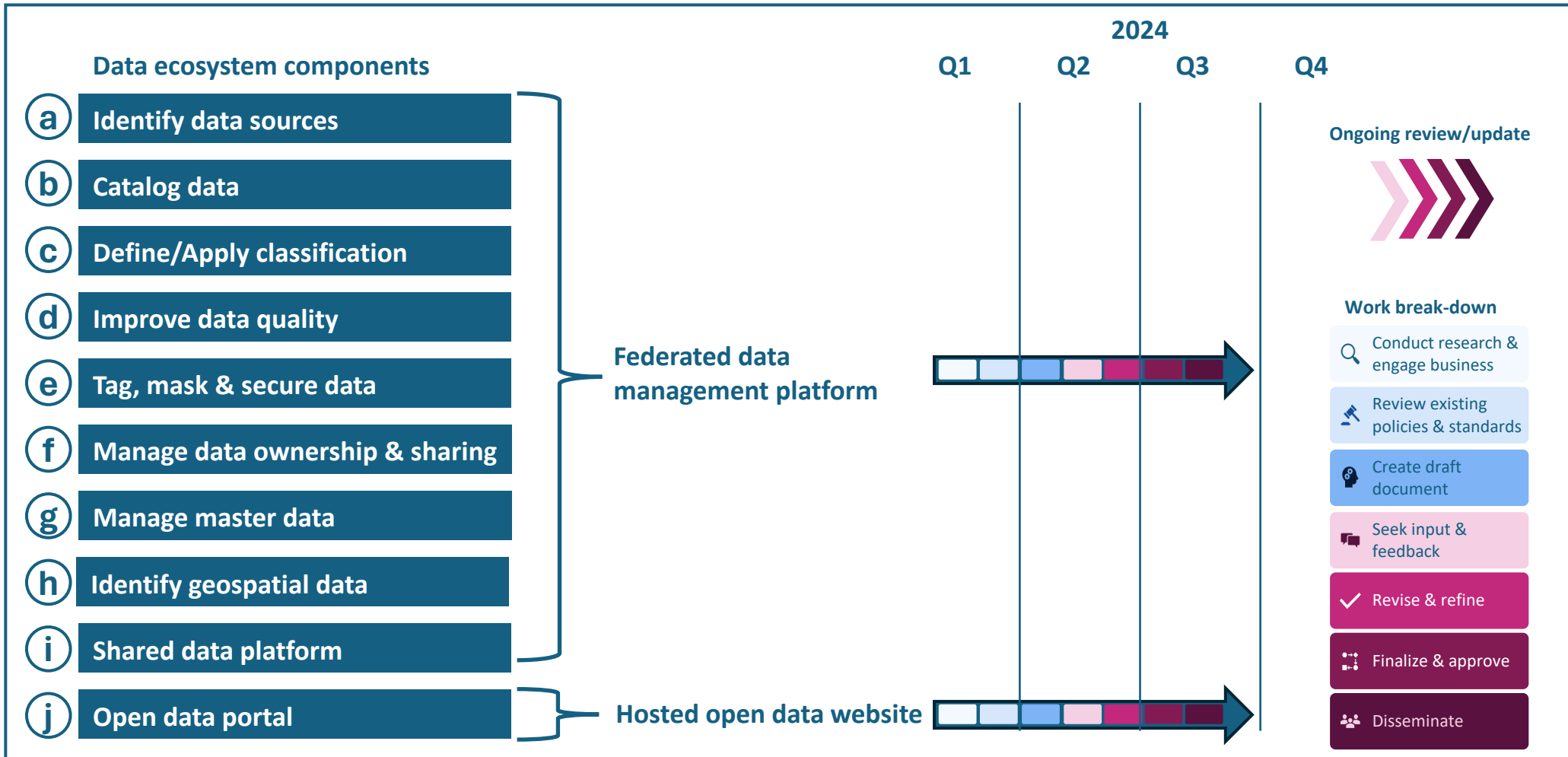
Data management platform

User interfaces



Federation at state level for sharing and governance

B 3 Process and tool research and recommendations will be conducted in 2024



Thank you!



Future meetings:

- Quarterly
- Proposed meeting time: 3-4pm June 17th, September 16th, December 16th