Life Sciences
Generates One-Third
of the World's Data

80% Of This Data Is Lost

Orphaned Data

Custody begins with capture and linkage —
trust ends without them

- Instrument Data
- Operator Metadata
- Instrument Metadata
- Customer Metadata

- Electronic Medical Records
- Laboratory Info Management System
- Electronic Health Records
- Electronic Lab Notebooks

Data Lineage

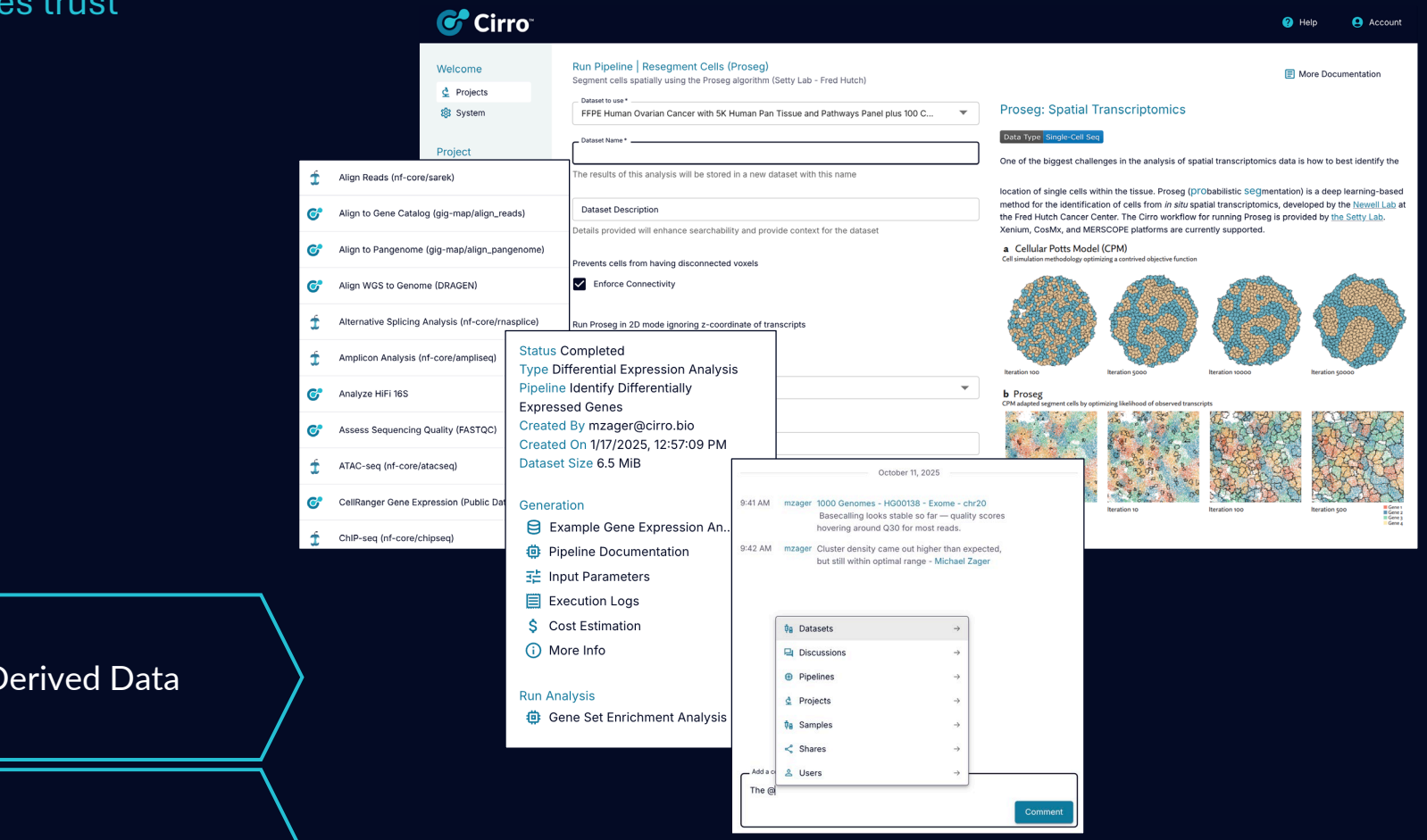
Automating provenance – preserves trust

Pipeline Catalog

Derived Data

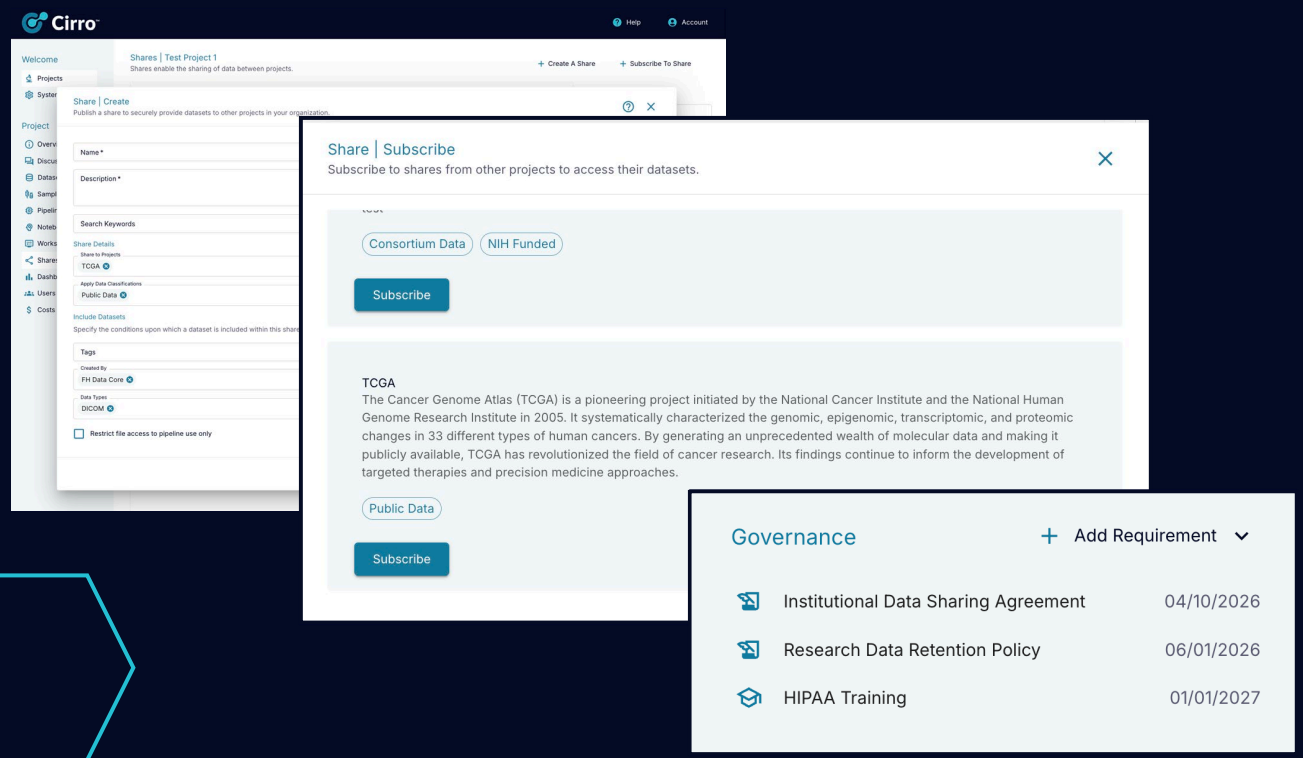
Data, Code, Config, Compute

Observational Notes



Data Silos

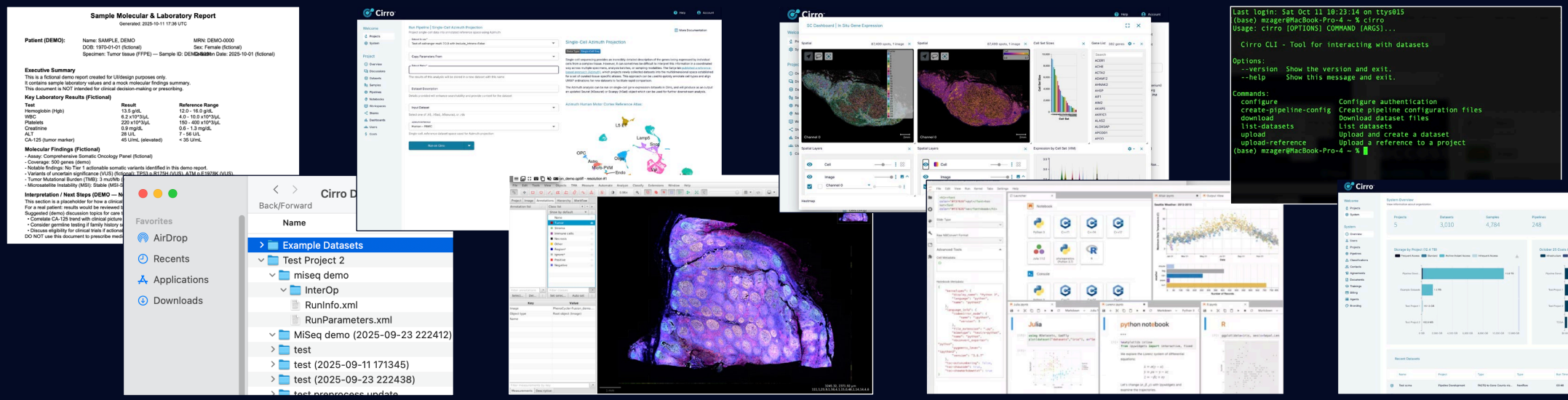
Without a common catalog and classification, federation becomes fragmentation



- Central Catalog
- Governance
- Common Classification
- Sharing

Data Accessibility

Bridging diverse audiences and purposes



Clinicians

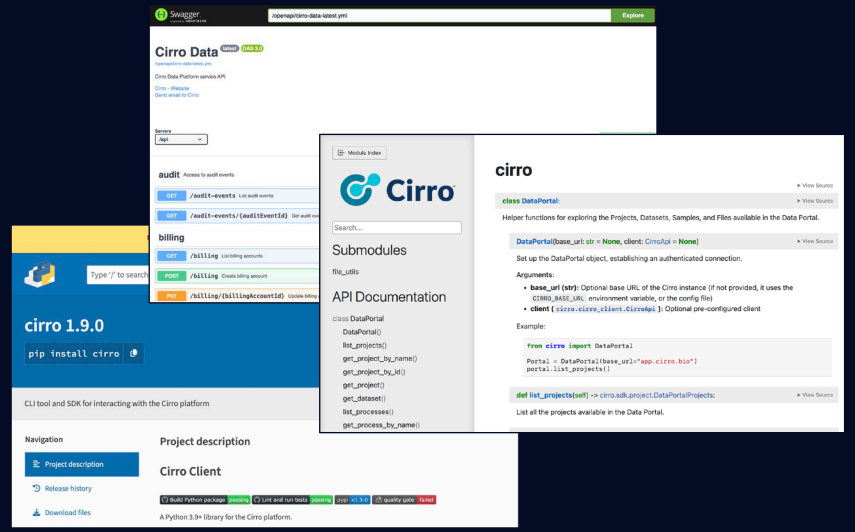
Researchers

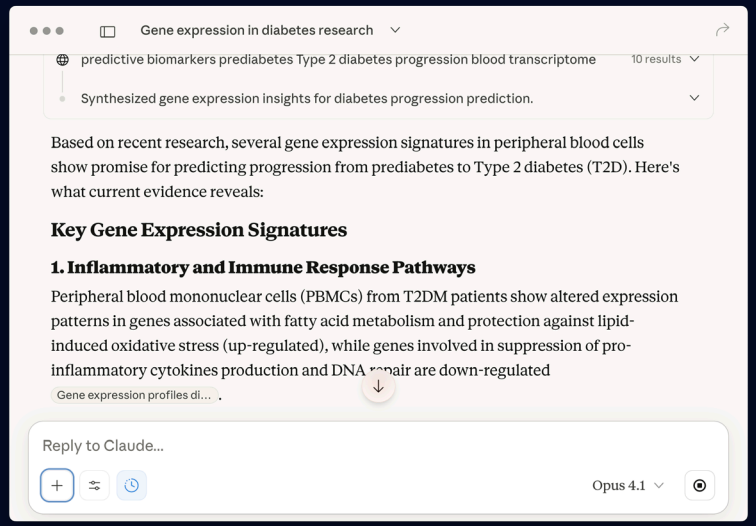
Bioinformaticians

Administrators

Data Interoperability

Bridging diverse audiences and purposes



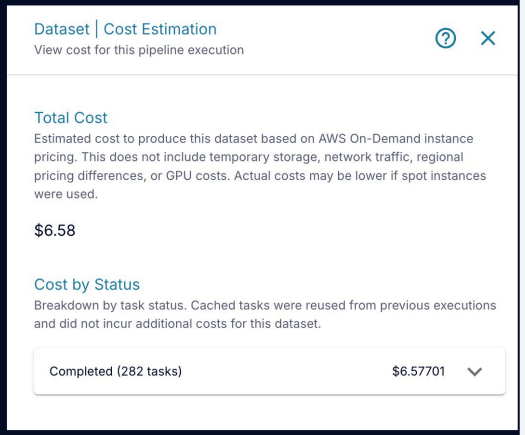


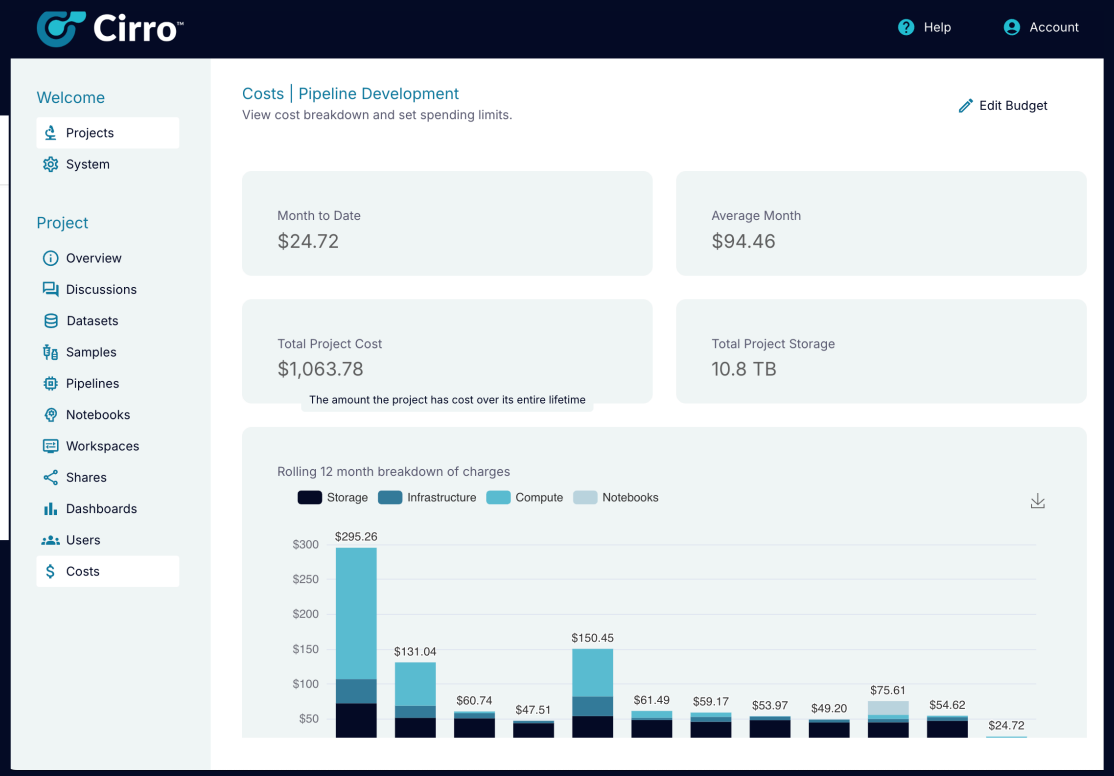
Agents

Applications

Data Financial Management

Cost Optimization





- Predictable Costs
- Optimization
- Billing Limits

Thank you!

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