

#### KENYA LIBRARIES AND INFORMATION SERVICES CONSORTIUM

Workshop Theme: Advancing Library and Information Services: Innovations, Research Excellence, and Holistic User Support

## Promoting Quality Research Output in Institutions of Higher Learning: Strategies for Success

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#### **Presentation Outline**



What does Quality Research Output constitute?



What impedes Quality Research Output in Institutions of Higher Learning?



The Evolving Role of Academic Libraries with Reference to Research



**Strategic Interventions by Academic Libraries** 



Conclusion

#### What does Quality Research Output Constitute?



ADHERES TO RIGOROUS QUALITY STANDARDS

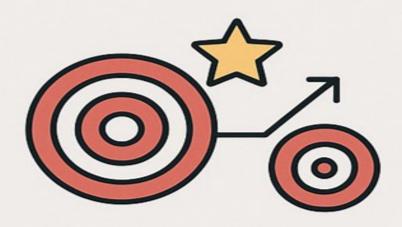


CONTRIBUTES
NEW KNOWLEDGE





DEMONSTRATES IMPACT THROUGH CITATIONS, POLICY, AND PRACTICE



ALIGNMENT WITH INSTITUTIONAL AND NATIONAL GOALS

### Metrics and standards evaluating research quality

#### **Citation Count**

Measures how of ften the work's cited by others

#### H-index

A researcher's pappers have been cited at least h times each

#### Journal Impact Factor

Indicates average citations in articles in a journal

#### **Altmetrics**

Measures book mentions, social media... and use policy documents

# Impediments for Quality Research Output Systemic and Institutional Challenges:



Inadequate access to quality journals and data



Poor integration between libraries and research departments



Budgetary constraints and limited research infrastructure Impediments to Quality Research Output

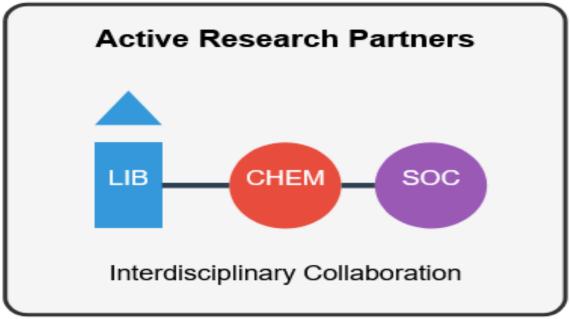
Information literacy gaps among students and faculty

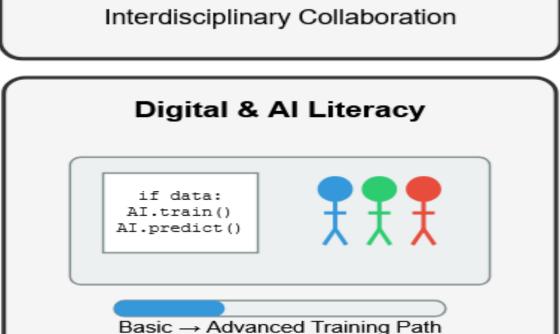
Pressure on faculty to publish while teaching

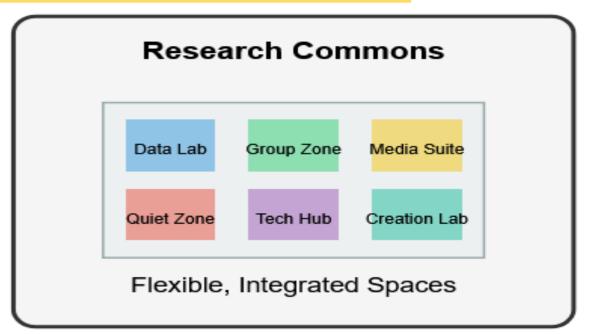


Weak research governance policies and ethics frameworks

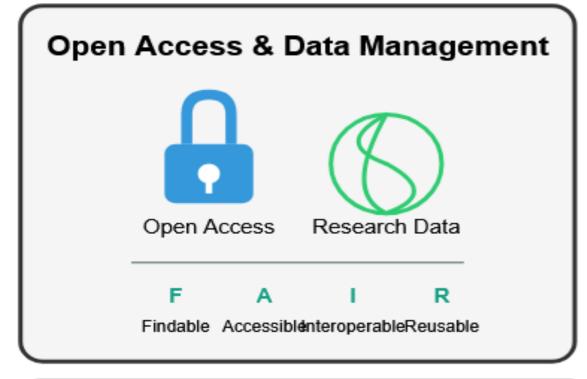
#### **Evolving Role of Academic Libraries**

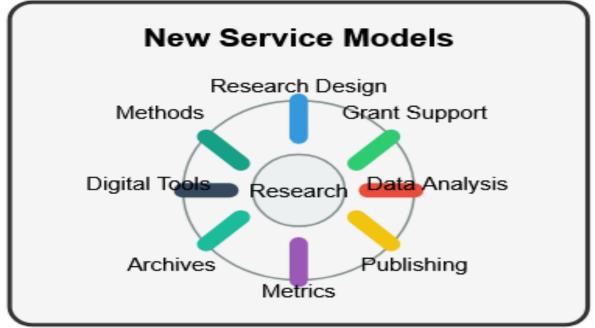


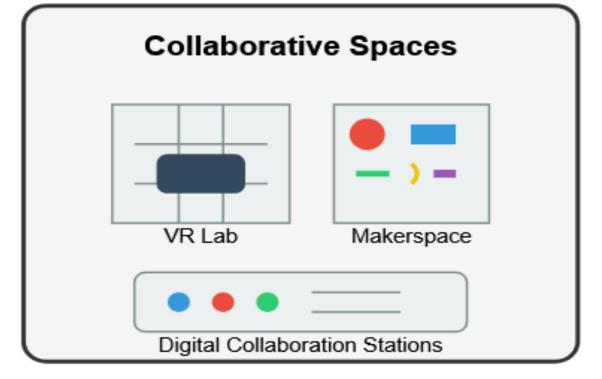














# Strategic Interventions by Academic Libraries

# Align Collections with Research Priorities INSTITUTIONAL RESEARCH PRIORITIES Al MED ENG Al MED ENG

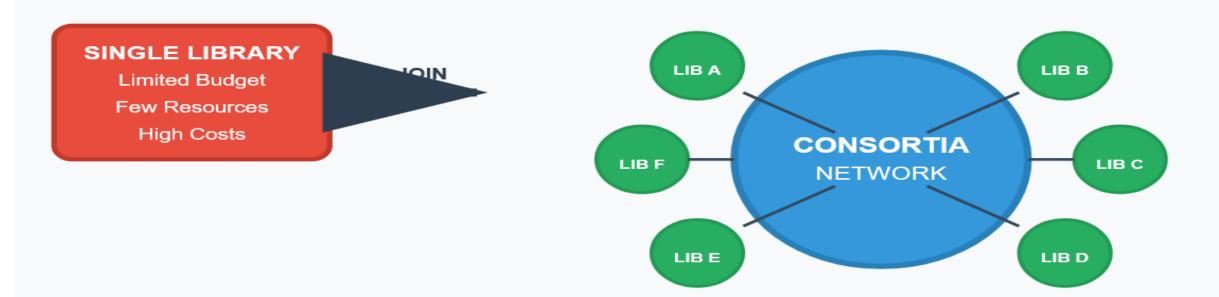
#### **Examples**

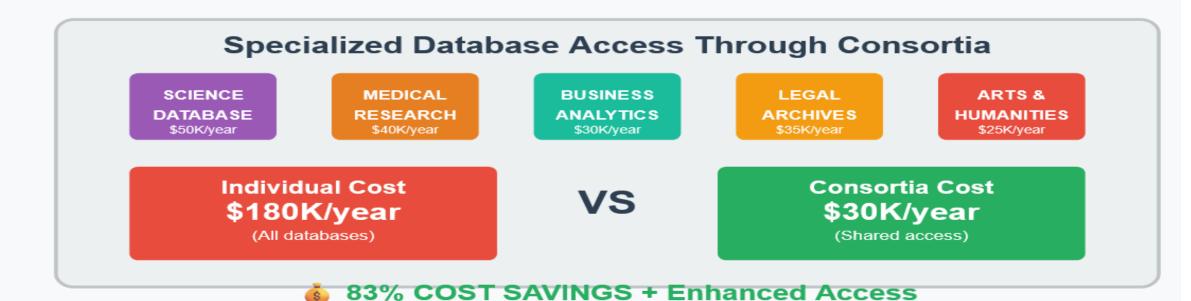
- University of British Columbia (Canada): **Used analytics to guide evidence-based acquisitions**.
- Wits University (South Africa): Consortium model increased database access by 65%.
- Strathmore University (Kenya): Specialized collection aligned to Vision 2030.

#### **Strategic Benefits**

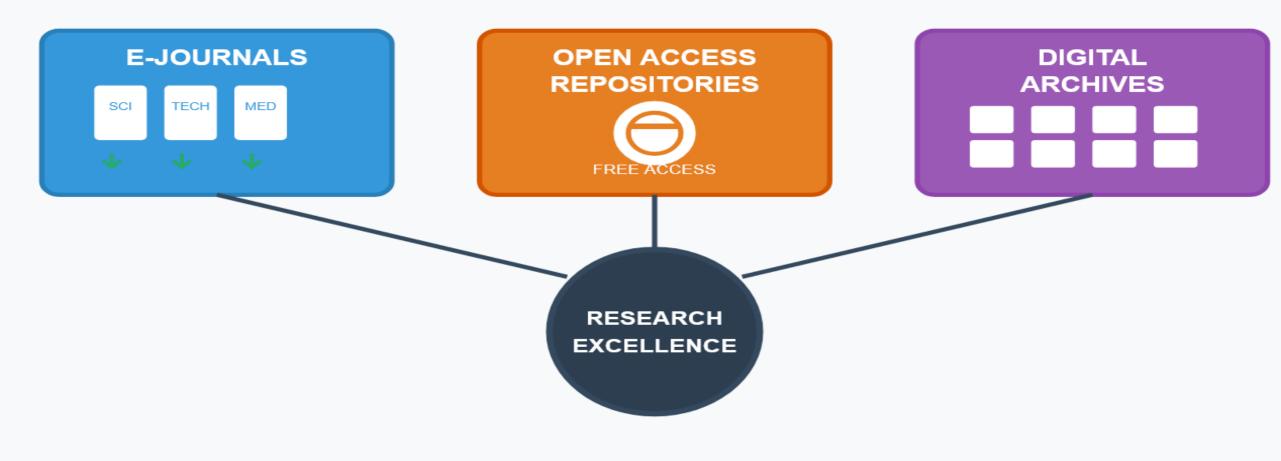
- Maximized resource utilization
- Enhanced research support
- Improved faculty satisfaction
- Strategic competitive advantage

#### Join Consortia for Enhanced Database Access





#### **Strategic Digital Investments**



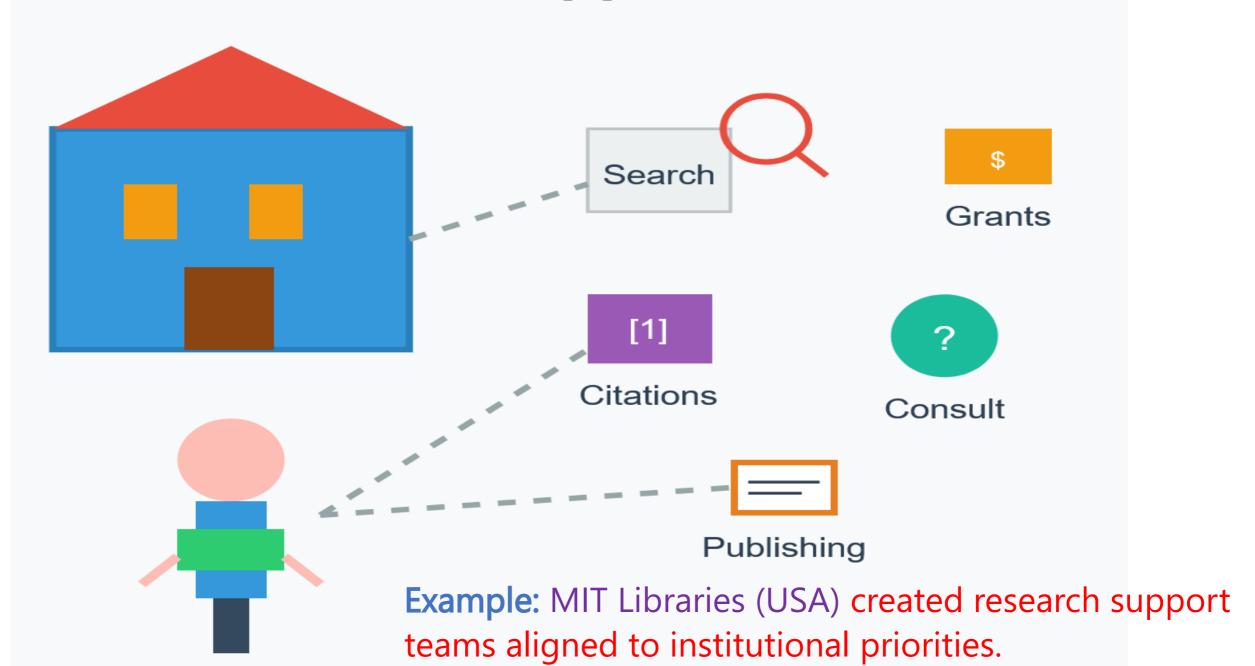
#### **Investment Impact**

24/7 ACCESS Global Reach Unlimited Users COST SAVINGS
Long-term ROI
Reduced Physical Space

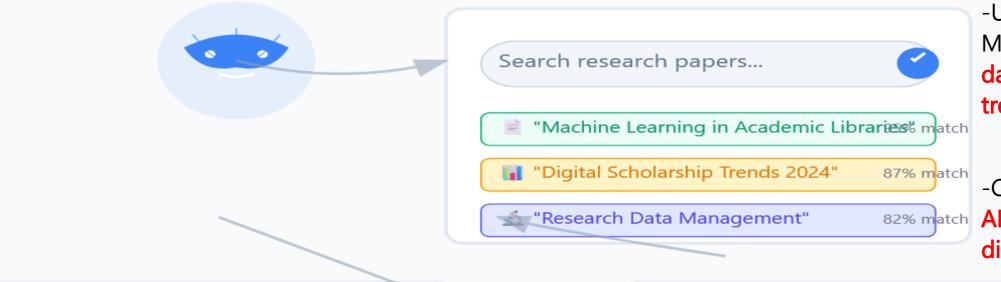
DISCOVERY
Enhanced Search
Cross-referencing

PRESERVATION
Digital Legacy
Permanent Access

#### Research Support Services



#### **AI-Powered Discovery Tools, Chatbots & Dashboards**



#### **Examples:**

-University of Melbourne: Al dashboards for trend analysis.

-Cornell University:

Al-enhanced

discovery system

#### **Library Assistant**

How do I find papers on digital humanities?

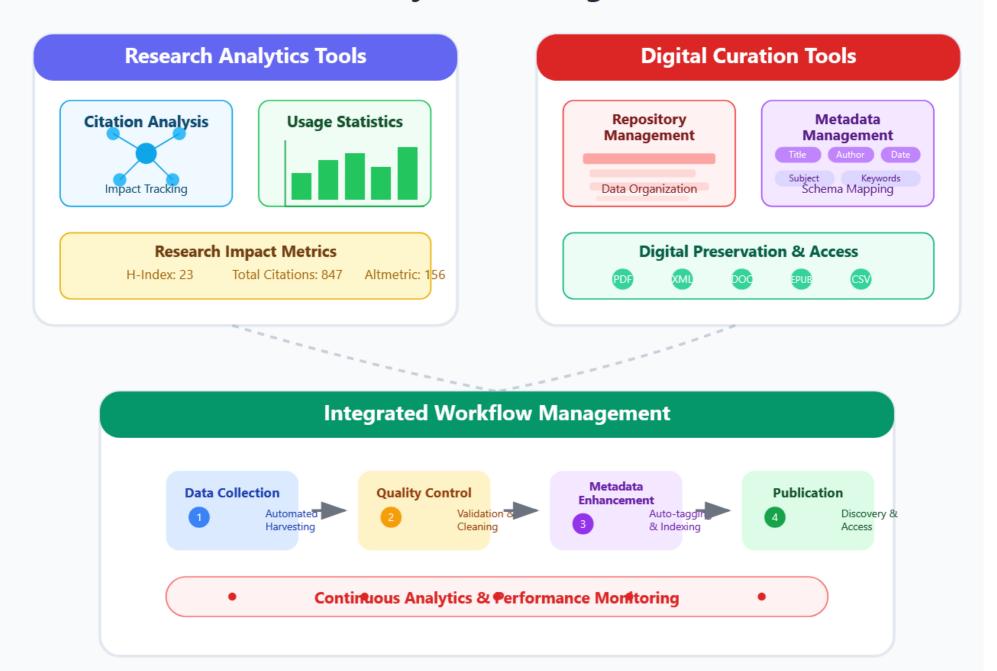
I can help you search our digital humanities collection. Try these keywords: "computational analysis"...

Show me recent publications

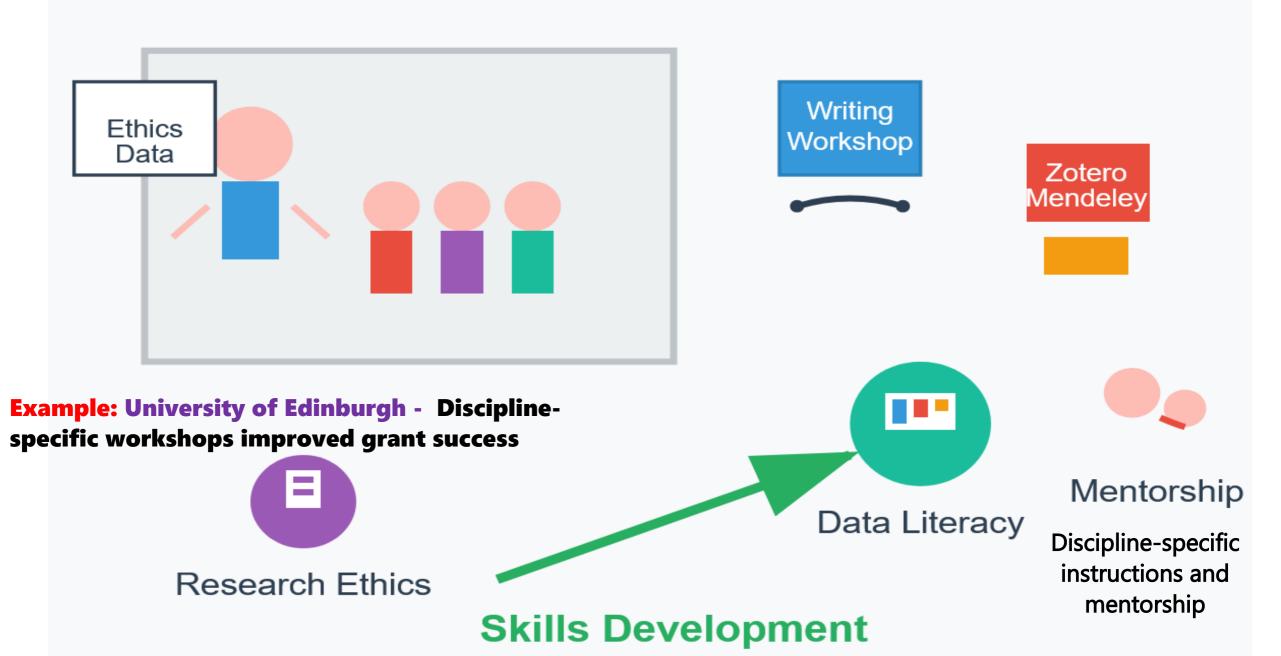
Here are 5 papers from 2024...



#### **Tools for Analytics and Digital Curation**

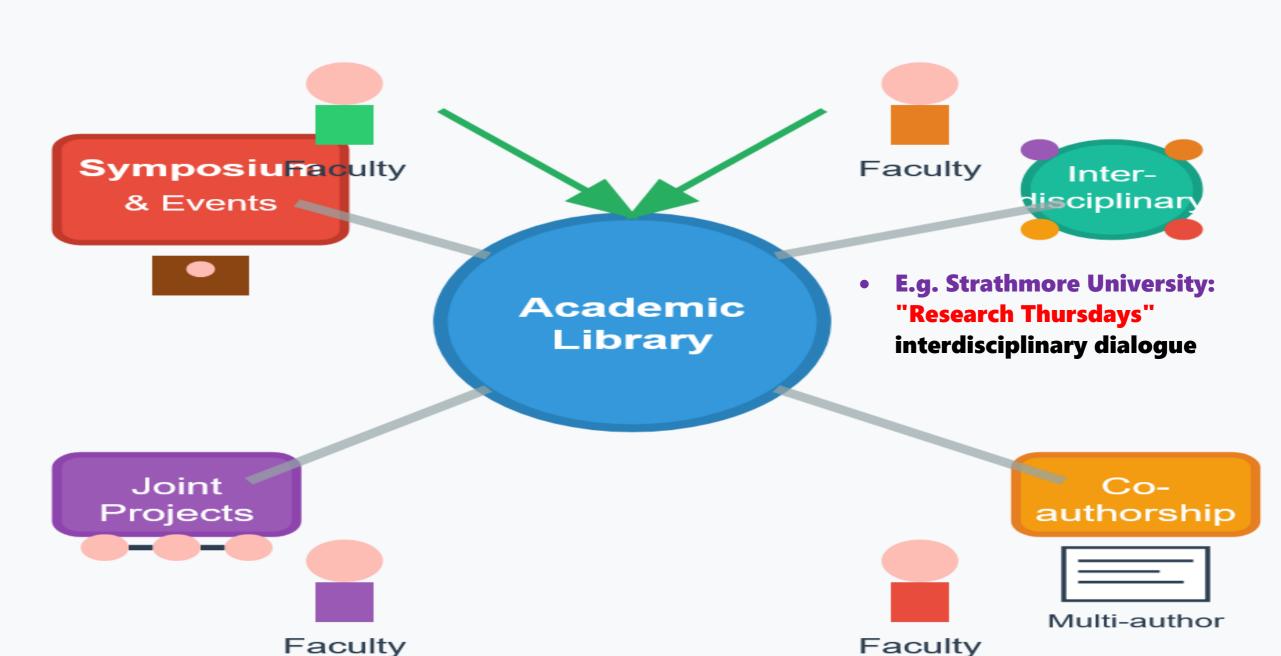


#### Capacity Building & Research Training





#### Collaborative Research Culture

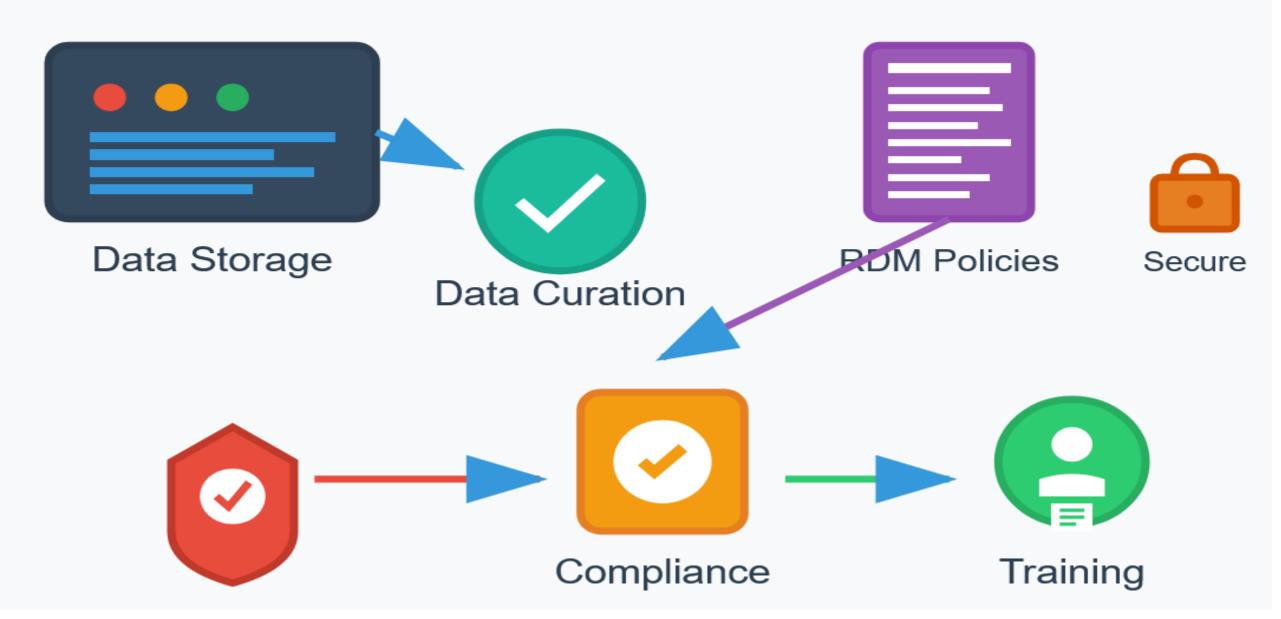


#### INTERDISCIPLINARYRESEARCH



RESEARCH COMMONS

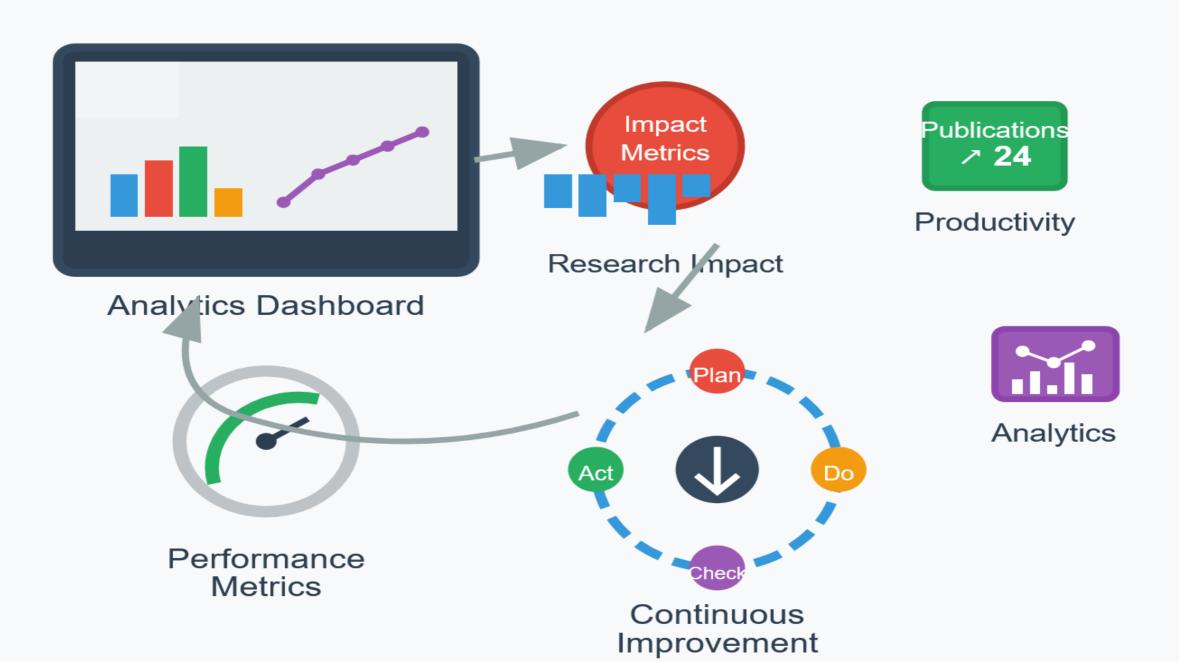
#### Research Data Management & Ethics



#### MONITORING, EVALUATION, AND CONTINUOUS IMPROVEMENT



#### Monitoring, Evaluation & Continuous Improvement



#### **Library Performance Evaluation Framework**

Comprehensive monitoring and continuous improvement system

#### **Key Performance Indicators**

#### Research Output

- Publications
- Citations
- Impact Factor

#### Innovation

- New Services
- Technology
- Partnerships

#### **User Engagement**

- Resource Usage
- · Training Sessions
- Satisfaction

#### **Cost Efficiency**

- · ROI
- Budget Utilization
- Resource Sharing

#### **Quality Metrics**

- Data Quality
- Compliance
- Standards

#### **Impact Measures**

- Researcher Success
- Grant Funding
- Collaboration

#### **Real-time Analytics Dashboard**



**Monthly Growth** Active Users 1,247 +12.5%

Usage Trends



Satisfaction 4.8/5

#### **Continuous Improvement Cycle**



#### **Implementation Steps**

#### 1. Data Collection & Monitoring

- · Automated data harvesting
- · Real-time performance tracking

#### 2. Analysis & Insights

- · Statistical analysis
- Trend identification

#### 3. Strategy Development

- · Evidence-based planning
- Resource optimization

#### Conclusion



Modern academic libraries play a crucial role in supporting quality research output by offering infrastructure, digital tools, open access platforms, training programs, and ethical guidance.