

# A Blueprint for MSU's Research Ecosystem

## 19 Strategic Recommendations for Research Excellence

**Mission:** To advance MSU's research excellence by strategically building and sustaining a coordinated ecosystem of **shared research resources (SRR)**, grounded in operational excellence, workforce development, strategic investment, and evidence-based decision making.

## Four Strategic Goals



**Strategic Investment & Partnerships**

Establish sustainable, data-driven frameworks aligning SRR management with faculty hiring and research priorities



**Visibility & Accessibility**

Enhance discoverability and usability of SRRs to maximize research effectiveness across all campuses



**People & Community Development**

Strengthen professional development, community engagement, and career pathways of SRR personnel



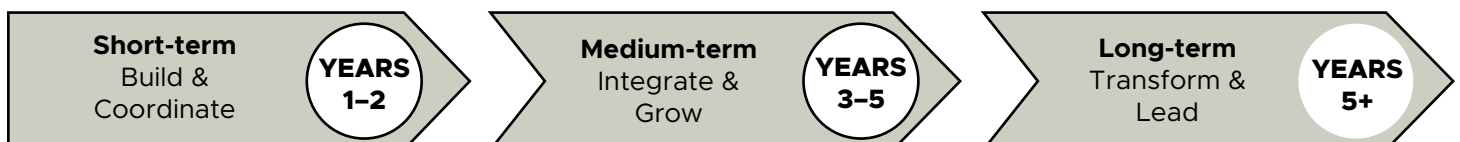
**Organizational Excellence**

Improve administrative efficiency and financial sustainability through centralized support and standardized practices

## 19 Strategic Recommendations

| Strategic Investment & Partnerships                                                                                                                                                                                                                                                       | People & Community Development                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>Launch Internal Grants Program</li><li>Build Metrics Framework</li><li>Align with Faculty Hiring</li><li>Coordinate Start-up Packages</li><li>Incentivize SRR Usage</li><li>Formalize External Partnerships</li><li>Coordinate Regionally</li></ul> | <ul style="list-style-type: none"><li>Build MSU-SRR Network</li><li>Create SRR Advisory Committee</li><li>Develop Career-Path Framework</li><li>Provide Professional Development</li><li>Expand Student Training</li></ul>                     |
| Visibility & Accessibility                                                                                                                                                                                                                                                                | Organizational Excellence                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"><li>Build Online SRR Portal</li><li>Coordinate Research Cores</li></ul>                                                                                                                                                                                 | <ul style="list-style-type: none"><li>Coordinate SRR Support Functions</li><li>Implement Enterprise Billing Software</li><li>Coordinate Financial Models</li><li>Develop SRR Transitions</li><li>Build Multi-Year Financial Strategy</li></ul> |

## Implementation Timeline



## Building the Future of Research Excellence

Together, we're transforming MSU's research ecosystem



Research and Innovation  
MICHIGAN STATE UNIVERSITY

[research.msu.edu/srr](https://research.msu.edu/srr)

# A Blueprint for MSU's Research Ecosystem

*Recommendation Details*

## Strategic Investment & Partnerships (7 Recommendations)



### Internal Grants Program

Launch the Shared Research Infrastructure Program (SRIP) for strategic, transparent SRR investment

### Metrics Framework

Build standardized data collection across SRRs including quantitative and qualitative metrics

### Faculty Hiring

Align practices linking SRRs with MSU's faculty hiring priorities through proactive engagement

### Start-up Packages

Coordinate faculty start-up packages with existing and planned SRR investments

### SRR Usage

Incentivize strategies encouraging faculty to use existing SRRs through internal grant programs

### External Partnerships

Formalize agreements with external partners like Van Andel and University of Michigan

### Region

Coordinate with regional partners including establishment of external advisory board

## Visibility & Accessibility (2 Recommendations)



### Online SRR Portal

Build searchable portal making SRRs discoverable by expertise, equipment, and services with transparent costs

### Research Cores

Coordinate research cores across campuses focusing on rebranding, visibility, and operational efficiencies

## People & Community Development (5 Recommendations)



### MSU-SRR Network

Build SRR community, strengthen connections, foster peer-learning and share best practices

### SRR Advisory Committee

Create structured advisory committee providing ongoing input into SRR coordination

### Career-Path Framework

Develop position descriptions and tailored career frameworks for SRR staff

### Professional Development

Provide comprehensive professional development support addressing diverse SRR community needs

### Student Training

Expand technical training opportunities for undergraduate and graduate students across SRRs

## Organizational Excellence (5 Recommendations)



### SRR Support Functions

Coordinate essential administrative functions across existing structures, led by OR&I

### Enterprise Billing Software

Implement enterprise-level billing and scheduling software solution for all SRRs

### Financial Models

Coordinate business models, strengthening accountability and financial sustainability

### SRR Transitions

Develop criteria-based process for transitioning college-level SRRs to OR&I oversight

### Multi-Year Financial Strategy

Build comprehensive financial strategy, balancing diverse cost structures and promoting sustainability