Distributed RIs in the life sciences: Socio-economic impact & assessment

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Open access, quality-managed imaging research infrastructures create value …

For scientists
- Transparent, efficient and coordinated access to RI services
- Support for FAIR data acquisition, data management, ..
- New research projects and expanding collaborations
- More training opportunities for MSc, PhD, experts, …

For facility staff
- Longer-term or new career perspectives for highly skilled staff
- Networking and visibility
- Sharing of experience and standards
- Development of new applications in collaboration with users
- …

For industry
- Direct contact with academic sectors to develop novel applications
- Opening up new markets
- RIs as sites for early-adoption, expert feedback for continuous improvement
- Environment for facilitated start-up company creation
- …

For funders
- Minimised duplication of efforts through coordination and reduced investment costs by better understanding RI landscape
- Leverage research funding opportunities for national and international users
- Recruit and retain highly trained RI facility experts and expertise in national research institutions and universities (= brain-gain)

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https://tinyurl.com/FacilitiesAddedValue

Assessing imaging RI performance & impact :

10 Key Performance Indicators

INFRASTRUCTURE AND PERSONNEL
1. Personnel
2. Infrastructure (instruments/software/services)

FACILITY PERFORMANCE
3. Facility Users
4. Diversity of Users/Quality of Training
5. User Training
6. User Satisfaction
7. Publications (Facility Staff and Facility Users)
8. Collaborative Publications (Facility Staff and Users)

FINANCIAL PERFORMANCE
9. Charge Back Revenue (User Fees)
10. Grant Funding

10 Socio-Economic Indicators

RESOURCES
1. Open Data Sharing
2. Standards and Quality Management
3. Education Resources for the Larger Community
4. Expert Advice to Support Public Policies
5. Public Education

HIGHLY QUALIFIED PERSONNEL
6. Imaging Scientists
7. Career/Job Creation

COLLABORATION
8. Collaboration with Industry/Intellectual Property
9. Industry Investments

PUBLIC VISIBILITY
10. Media

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https://tinyurl.com/ImagingImpact