



Institutional data curation implementation

1st African Digital Curation Conference

12 February 2008

Social science that makes a difference



HSRC
Human Sciences
Research Council

HSRC

The essence of the HSRC is evidence-based human and social science research that informs effective public policy debate to facilitate improvements in the living standards of South Africans

- Data producer
- Research areas
- Environment

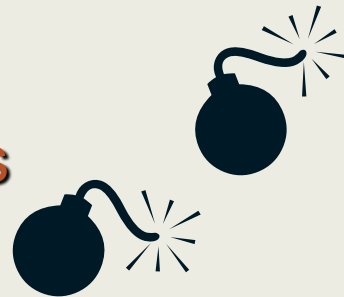


- Policy analysis & Capacity Enhancement
- Knowledge Systems
- Social Aspects of HIV/AIDS Research Alliance
- Child, Youth, Family and Social Development
- Democracy and Governance
- Education, Science and Skills Development
- Social Aspects of HIV/AIDS and Health
- Service Delivery
- Education Quality Improvement
- Poverty, Employment and Growth

Initial situation

- Lack of awareness
- No funding
- No emphasis on preservation
- No coherent strategy
- Limited expertise
- Limited technology
- Limited standards

Loss of data and documents



Critical success factors for implementation



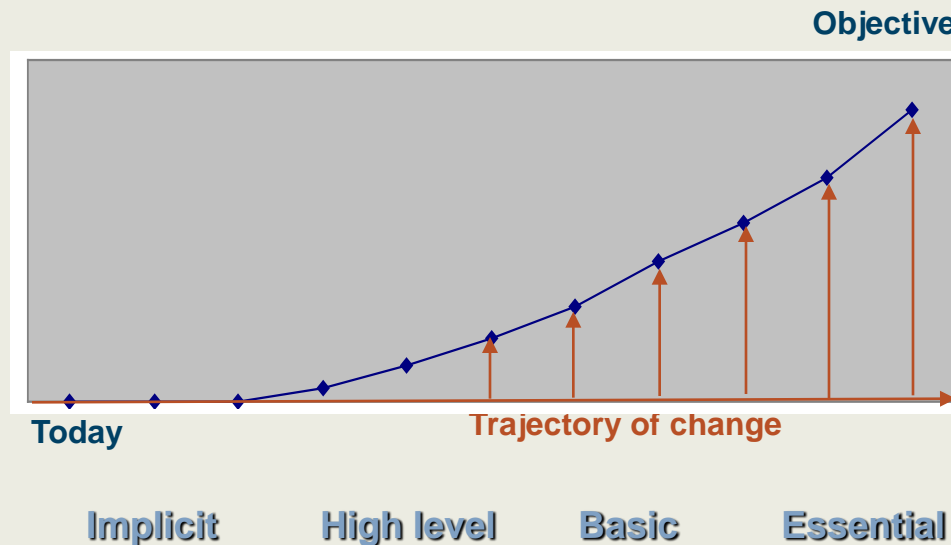
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A successful implementation

Organisational custody



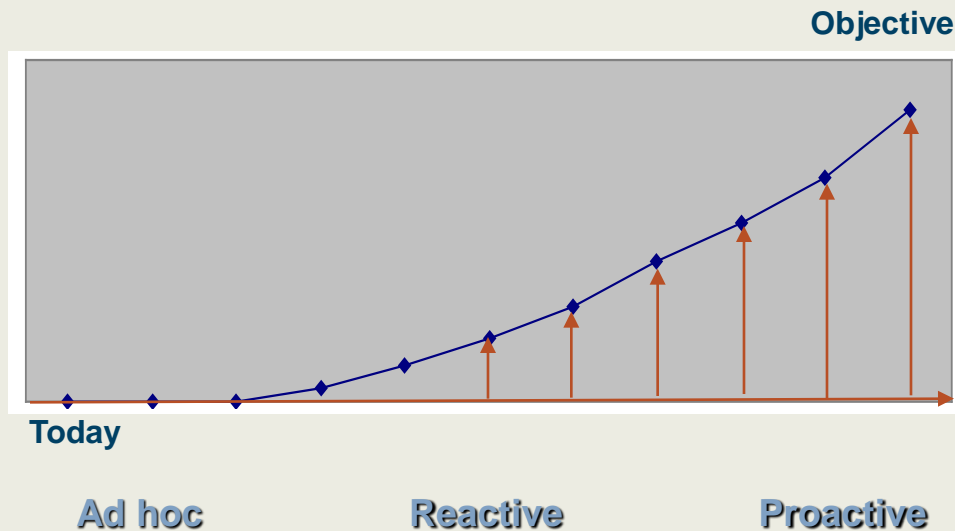
- No awareness / Acknowledgement
- No commitment
- No policies

- Continuous, systematic management
- Comprehensive policy framework

A successful implementation

Technology infrastructure

- Heterogeneous
- Decentralised
- At risk

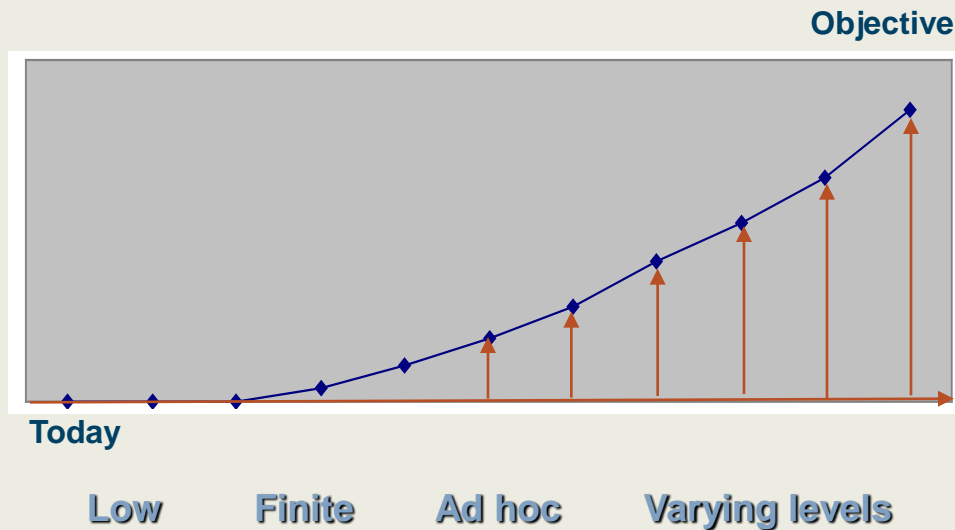


- Managed
- Integrated
- Secure
- Reliable

A successful implementation

Resources - Funding, Expertise

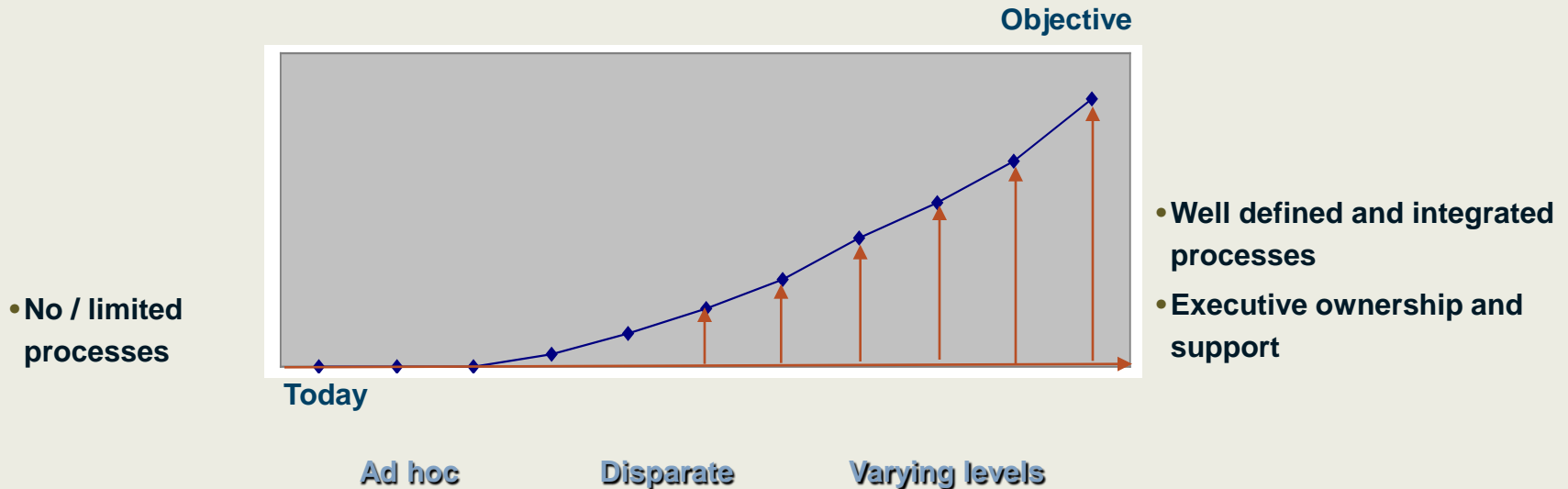
- No funding
- Limited human resources
- Limited expertise



- Sustainable funding
- Well trained and sufficient human resources

A successful implementation

Processes



Organisational custody

- Ensure strategic alignment
- Obtain leadership (buy-in vs custody)
- Investigate the real effort and investment required and discuss with business executive
- Engage staff - management of change
 - Prove it works - pilot project
 - Road show - show benefit, consult
- Engage core group to assist with policy and standards development
- Create awareness for the need to disseminate of public data
- Create a culture of preserving and sharing data

Technology infrastructure

- Keep it simple
 - Create shared storage areas for researchers for final versions of data and documentation
 - Advise on standards
 - Create archiving and backup strategy - IT
 - Disseminate on organisational web portal
 - Download vs. software for online exploring
- Work with what you have
 - Make optimal use of existing systems
 - Make use of open source software
 - Choose proven technologies
 - Stick to essentials
- Partner with other organisations

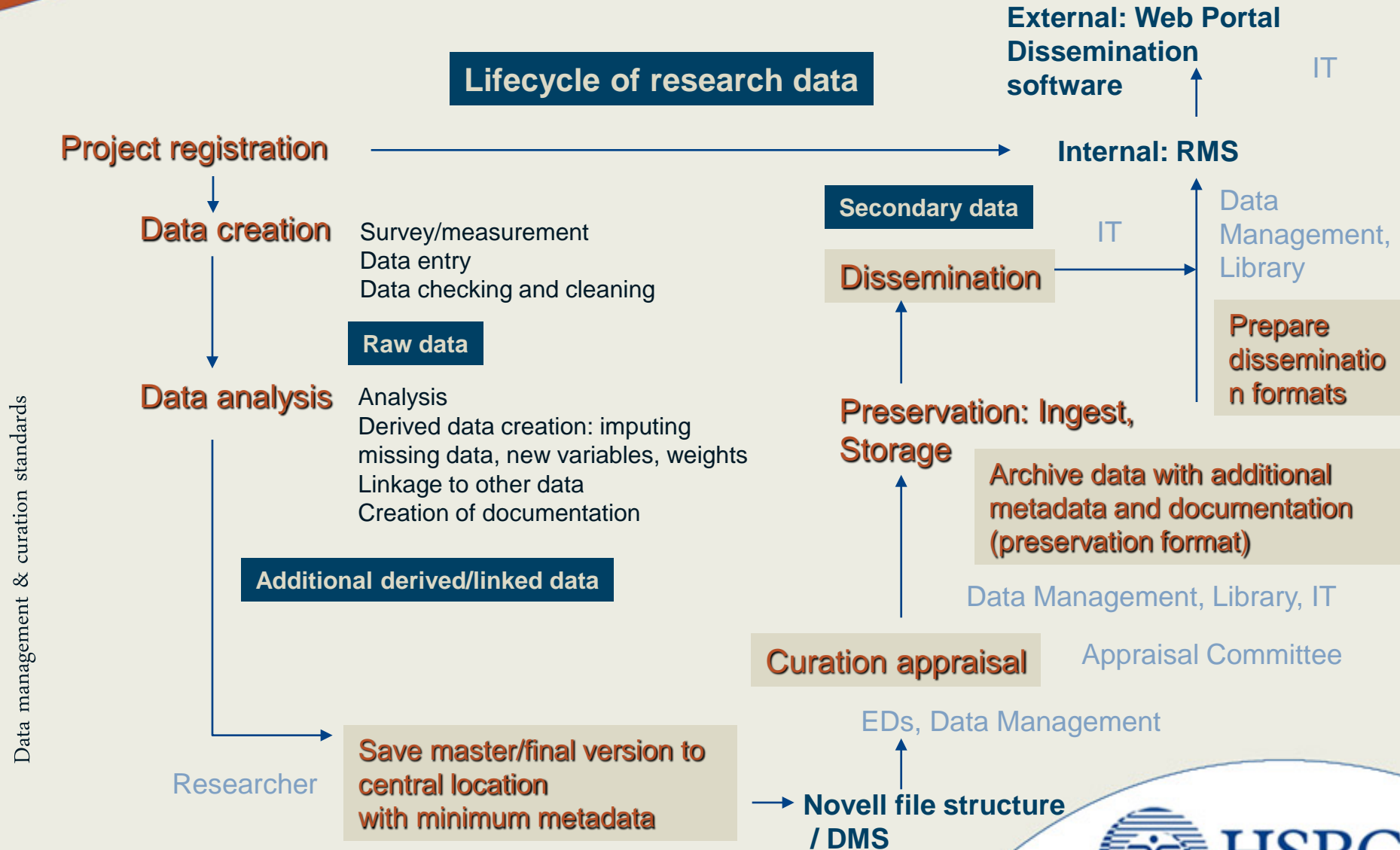
Resources - Funding, Expertise

- Funding
 - Funding of pilot project
 - Obtain sustainable funding
- Expertise
 - Make use of existing expertise
 - Encourage appointment of high-level data managers
 - Develop expertise by exposure to research and trends (international) and collaboration
 - Learn from others who have already done successful implementations

Processes

- Engage on standards
- Streamline process flow from data management to curation
- Distribute responsibilities
- Promote a culture of sharing

Implementation plan



Success is not guaranteed by technology.

Success

It is about what the business and people do with the technology that creates benefit, efficiency and competitive advantage.

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