Impact & Sustainability of RIs

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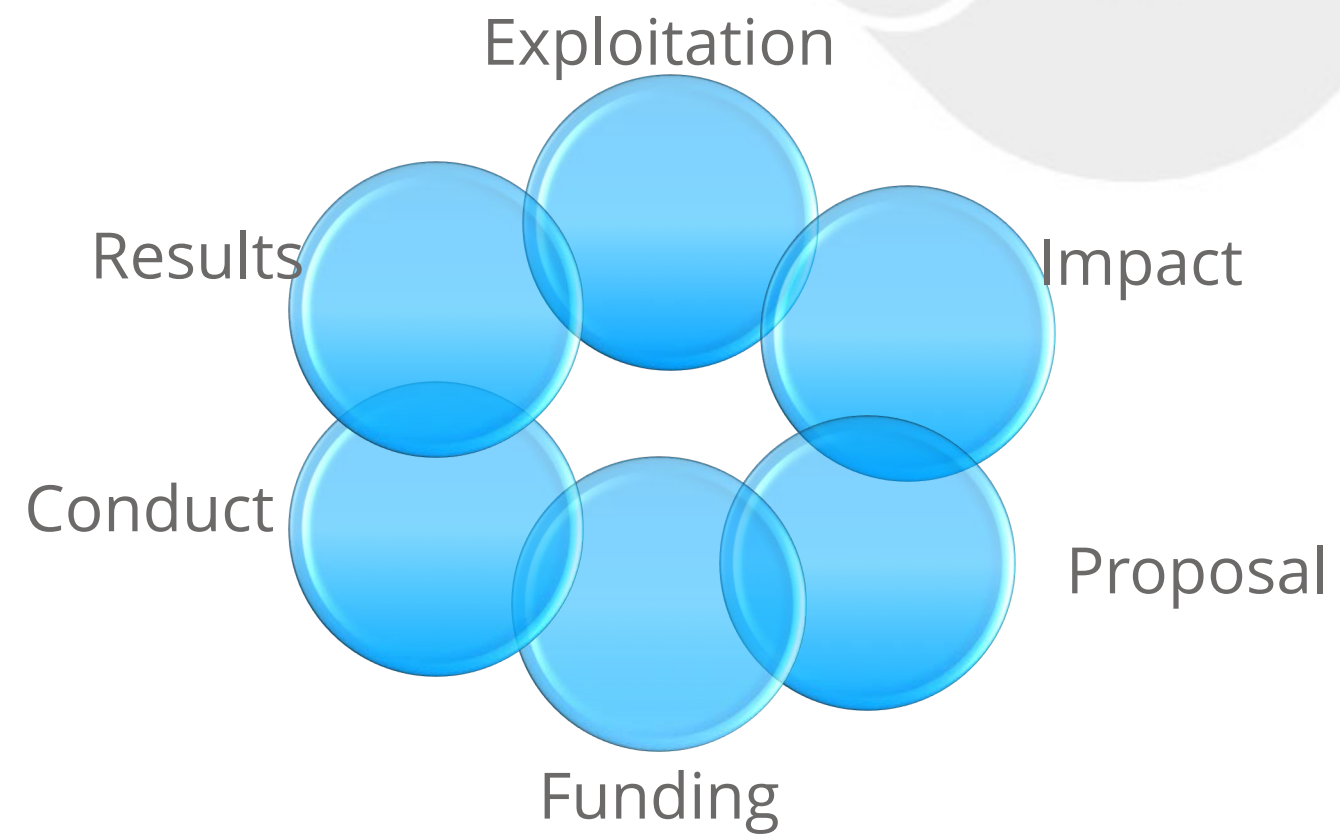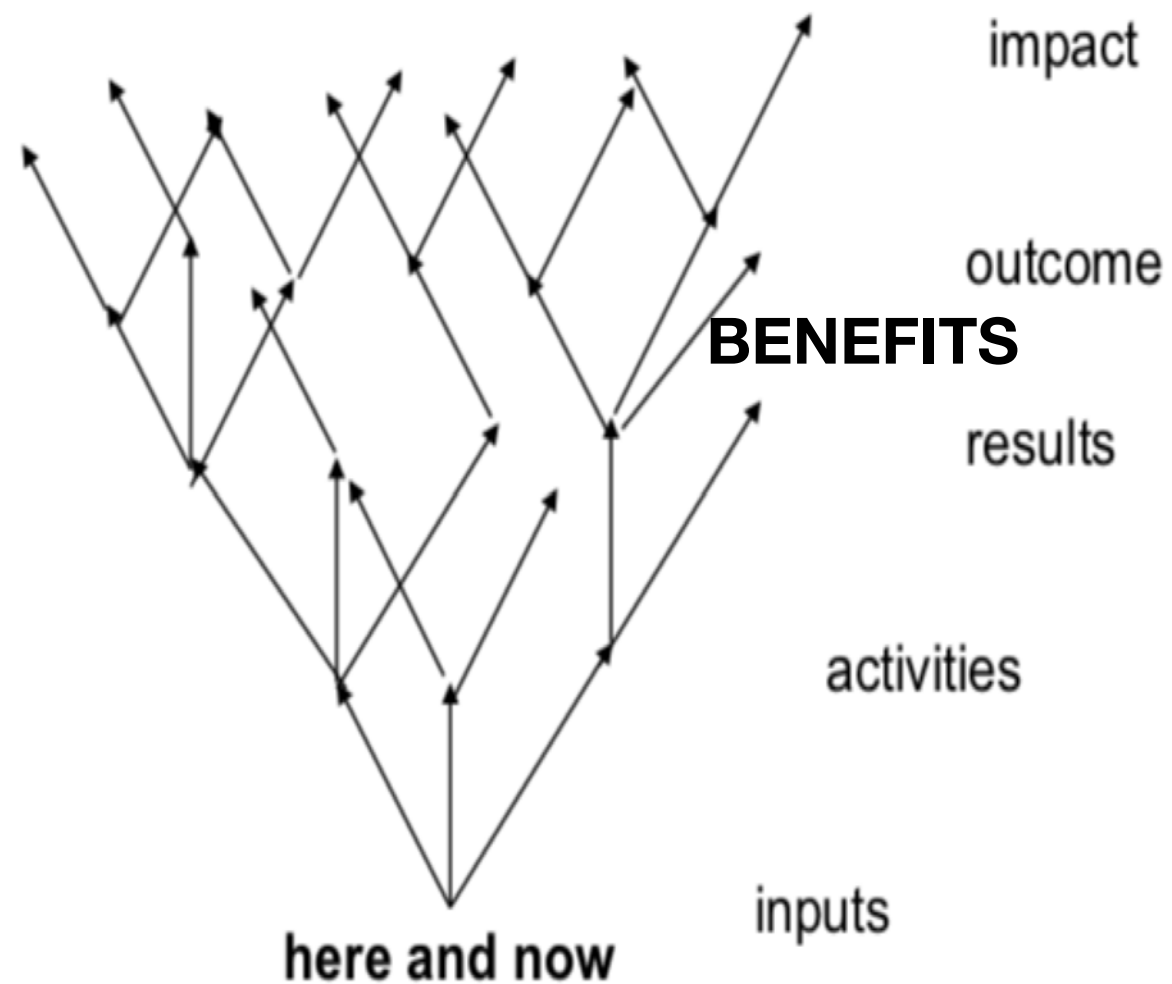cessda.eu   @CESSDA_Data

Contents

- Impact

  - Benefits

- Sustainability

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Impact

impact

outcome

BENEFITS

results

activities

inputs

here and now

Exploitation

Results

Impact

Conduct

Proposal

Funding

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First: Benefits

For Service Providers	
Planned	**Status**

Visible In Brussels
    eligible for funding,
    status of 'trusted repositories'
	Grants,
	EOSC
	'Trusted' = CoreTrustSeal

Set standards metadata, persistent identifiers	DDI, CMM Working on suite of PIDs
Develop partnerships Other RIs, Nat. Stats, 3rd parties	Cooperation with e-Infras and third parties

Joint Activities
    Safe and Secure Data Infra
    Joint Research & Innovation
	Work Plan & EC Projects
	Two initiatives (NO, ERAN)

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First: Benefits

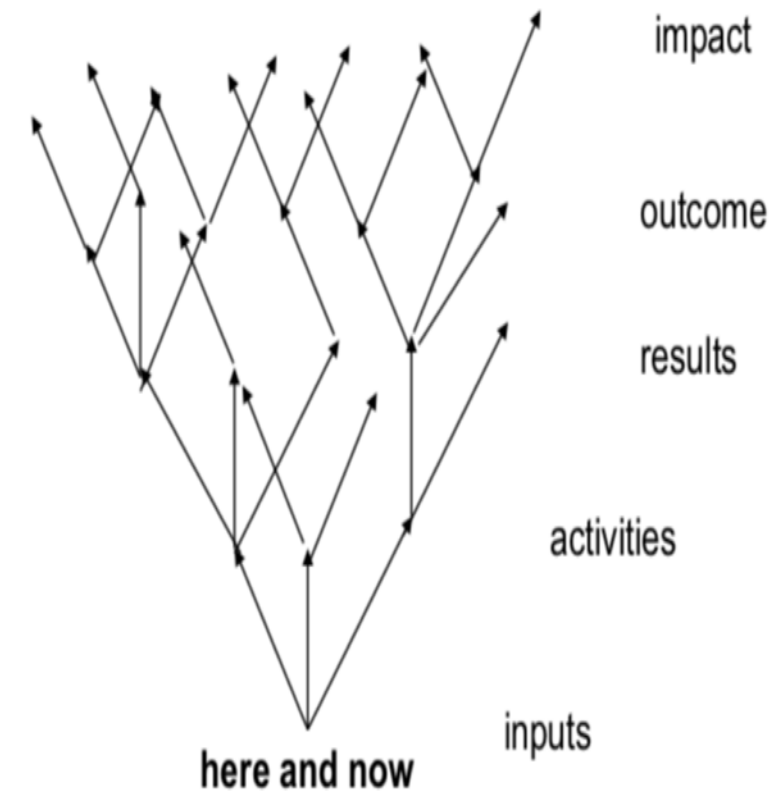| For Researchers	
Planned	**Status**
FAIR data Single point of access	Data Catalogue SP Archives
Quality of documentation	? Quality checks by SP's
Tools for 　Constructing metadata 　Secure storage for sensitive data 　Connect data to journal articles 　Fulfil grant obligations 　Increased visibility, higher usage	Work Plan Projects
Training	Data Discovery, Data Management Online Seminars on specific data

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First: Benefits

For Members	
Planned	**Status**
No re-creation or loss of data Reduce duplication of effort	Providing deposit and archiving services, and catalogue to find data
Re-purposing data for new audiences	? Upcoming in new EC project for SSH - SSHOC
Lower archiving and data management costs	Joining CESSDA will induce scale efficiencies

First: Benefits

For Society	
Planned	**Status**
Value added over time as collection grows and develops	SPs already archive data for over 50 years
Enable international comparisons, visibility, and use	Surveys comparable by design; CESSDA tools for comparing other international studies
Induce new research and innovation, use across user communities	Via Data Catalogue and Data Clusters; two pilots (elections and migration) in new EC project
Research integrity - others can check the outcomes of research	TBD: facilitate and promote reproducibility of research

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Impact: difficult to quantify

Impact is about the differences in the outcomes and results with and without CESSDA

ESFRI (WG) and ERIC-FORUM are working on Key Performance Indicators

Sustainability

- Financial: Funding, Viable Business models

- Organisational Tasks, Procedures, Staff

- Technical   Platforms, Backbone, Standards

- Legal   Governance, IPR, procurement

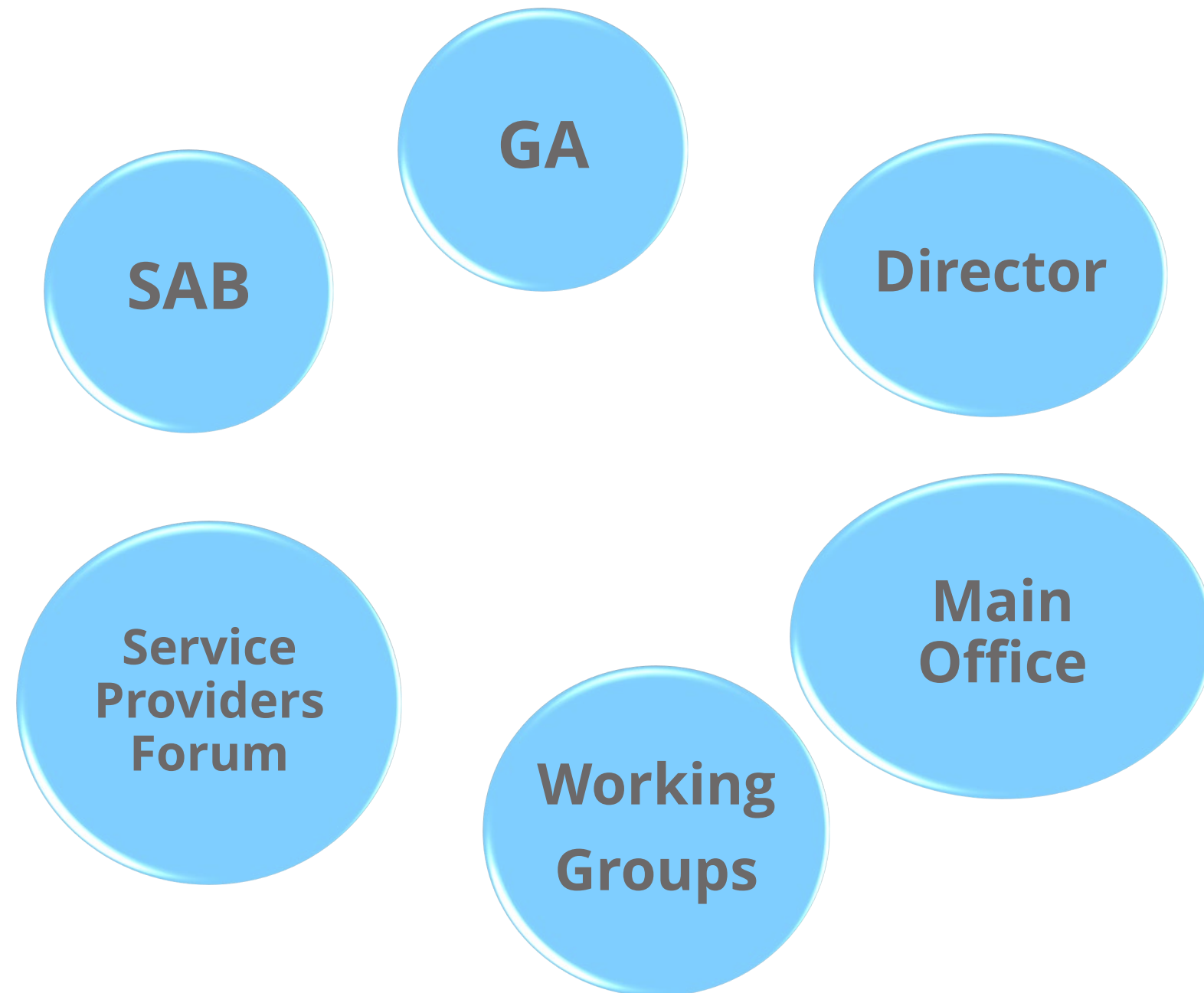- Certification: Contribution to reliability and durability

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Parameters: Small vs. Big

◈   Membership
◈   Nodes/SPs
◈   Staff
◈   Facilities
◈   No. of projects
◈   Etc.

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Parameters: Single vs. Distributed

Parameters: Organisation & Governance

Parameters: Value Proposition

Access to Data

On Site Facilities

Training

Remote Access

Policies on Sustainability

- ESFRI

  - Working Group 2017, 2019

  - Scripta II Study

- EC Projects

  - INROAD – on Business Models

- OECD

  - Coordination of RI Policies

  - Sustainable Business Models

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EC on sustainability of RIs

EC Working document (September 2017) with 42 recommendations

- Scientific excellence;
- Human capital;
- Data;
- Innovation;
- Socio-economic impact;
- Governance and funding;
- European and national coordination.

https://ec.europa.eu/research/infrastructures/pdf/ri_policy_swd-infrastructures_2017.pdf

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ESFRI: Scripta Volume II 'Long-Term Sustainability of Research Infrastructures

ESFRI WG 35 recommendations in 7 key areas (2017)

1. Establish and maintain excellence;

2. Ensure that RI's have the right people in the right place;

3. Harmonise and integrate a vision for convergent operation of RIs and e-Infra's;

4. Fully exploit the potential of RI's as innovation hubs;

5. Set up effective means of determining economic and wider social value of RI's;

6. Establish conditions for effective governance and sustainable long-term funding;

7. Foster broader coordination at national and European levels;

OECD - Coordination of RI's policies and evaluation plans

OECD Global Science Forum Expert Group
on "Reference Framework for assessing the socio-economic impact of RI's"
(Paris, 19-20 March 2018):

1. Connect impact more closely with KPIs.
2. Main categories: performance, impact, time.

a. Core KPIs for **performance** and monitoring the activities of the RI;
b. Core Impact Indicators to indicate levels of **impact**
   which should have little or no value in measuring performance;
c. Indicators, which are open and mostly meaningful in comparison **over time** in an RI.

Focus in this discussion is on large-scale RIs – usually physical and experimental.

This might be disadvantageous for distributed RIs.

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What about CESSDA?

- Participate in Policy Discussions

  - ESFRI, OECD, EOSC, EC

- Follow up from SaW Project

  - CoreTrustSeal

  - Quality Assessment

- Keep up the good work

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Milestones

- Data Catalogue

- Training

- Trust

- Technology

CESSDA

◈ Tools & Services

	TOOLS & SERVICES	Data Users	Data Producer	Service Providers	Members
Available	**CESSDA Data Catalogue**	X			
	CESSDA Metadata Harvester			X	
	CESSDA Metadata Profile			X	
	CESSDA Data Management Expert Guide		X		
	CESSDA Knowledge Exchange (Intranet)			X	
2018	**Social Sciences Common Vocabulary Manager**			X	
	Social Sciences Multilingual Thesaurus			X	
	Social Sciences Multilingual Question Bank	X	X		
2019	**CESSDA Quality Assurance**				X
	CESSDA Self-Archiving		X		
	Single Sign On	X	X	X	
	CESSDA Access to Sensitive Data	X			
2020	**Social Sciences Data Discovery Tools**	X			
	Social Sciences Research Data Management		X		
	CESSDA Data Tags		X	X	

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#keep on pushing

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