WS1: Result

20 Jul 2018 13:44:40

Purpose

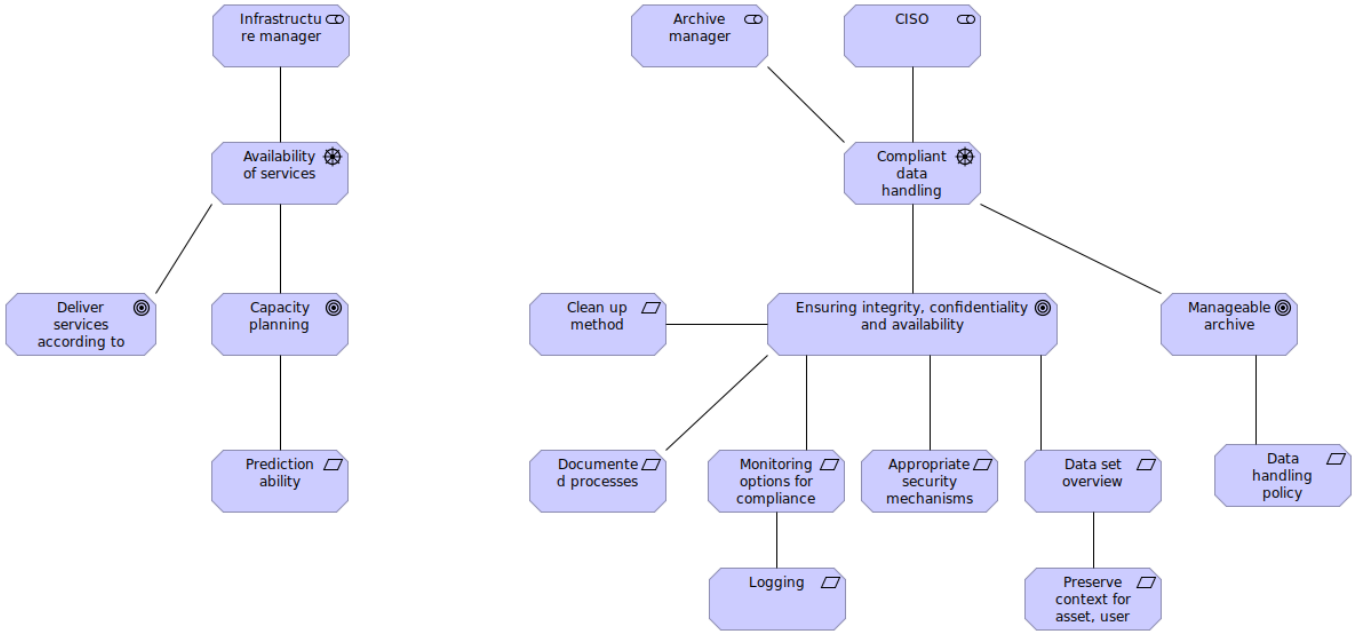
Workshop 1 focussed on identifying the major stakeholders and their primary drivers and then linking these to corresponding goals and requirements.

At AAU we have modelled drivers, goals and requirements for some of the stakeholders and presented these in some views. You are invited to both expand on these and/or make similar models for the other stakeholders.

Views

Archiving, administration

Motivation viewpoint

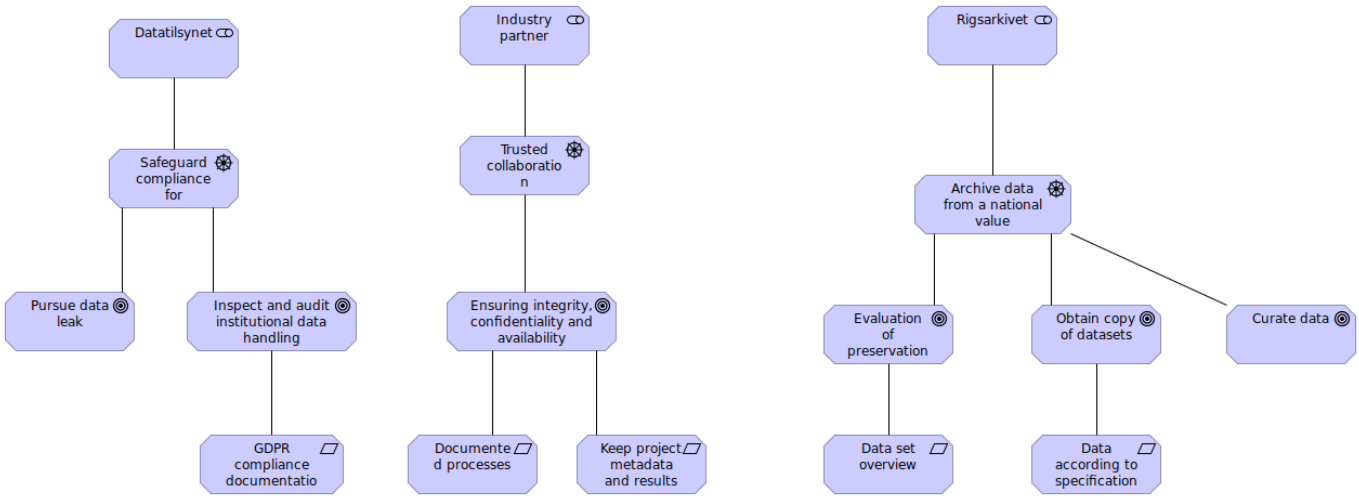


Elements

Element	Type
Appropriate security mechanisms	Requirement
Archive manager	Stakeholder
Availability of services	Driver
Capacity planning	Goal
CISO	Stakeholder
Clean up method	Requirement
Compliant data handling	Driver
Data handling policy	Requirement
Data set overview	Requirement
Deliver services according to SLA	Goal
Documented processes	Requirement
Ensuring integrity, confidentiality and availability	Goal
Infrastructure manager	Stakeholder
Logging	Requirement
Manageable archive	Goal
Monitoring options for compliance	Requirement
Prediction ability	Requirement
Preserve context for asset, user etc.	Requirement

Archiving, external

No viewpoint

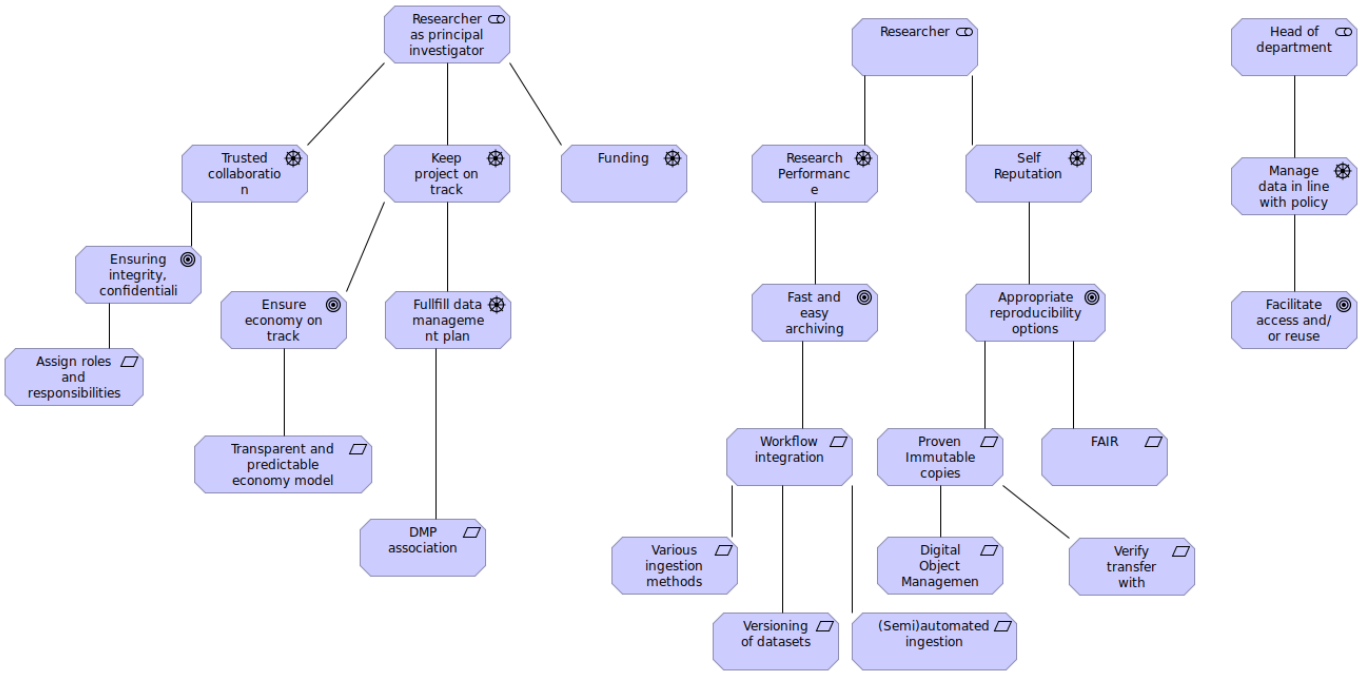


Elements

Element	Type
Archive data from a national value perspective	Driver
Curate data	Goal
Data according to specification	Requirement
Data set overview	Requirement
Datatilsynet	Stakeholder
Documented processes	Requirement
Ensuring integrity, confidentiality and availability	Goal
Evaluation of preservation value	Goal
GDPR compliance documentation	Requirement
Industry partner	Stakeholder
Inspect and audit institutional data handling	Goal
Keep project metadata and results secret	Requirement
Obtain copy of datasets	Goal
Pursue data leak	Goal
Rigsarkivet	Stakeholder
Safeguard compliance for lawfulness	Driver
Trusted collaboration	Driver

Archiving, researchers

Motivation viewpoint



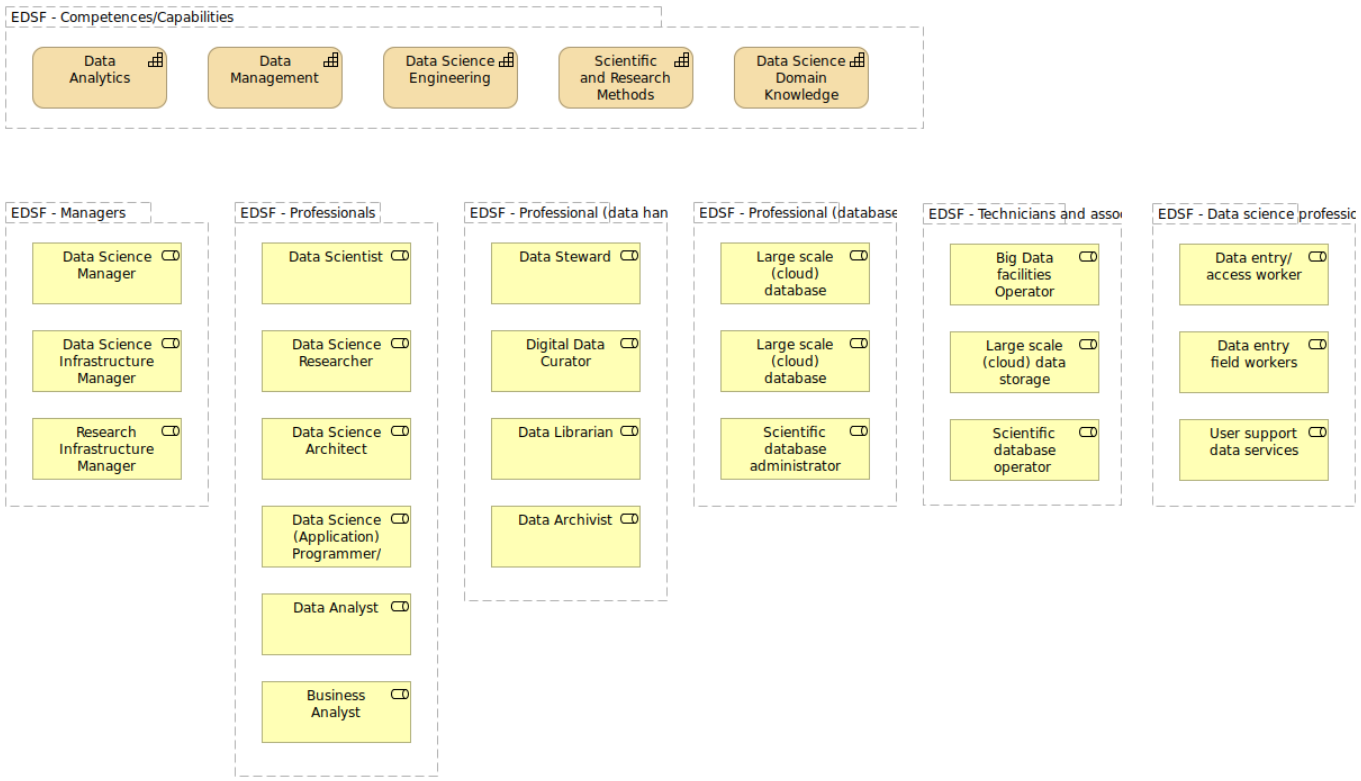
Elements

Element	Type
(Semi)automated ingestion	Requirement
Appropriate reproducibility options	Goal
Assign roles and responsibilities	Requirement
Digital Object Management according to CoreTrustSeal	Requirement
DMP association	Requirement
Ensure economy on track	Goal
Ensuring integrity, confidentiality and availability	Goal
Facilitate access and/or reuse	Goal
FAIR	Requirement
Fast and easy archiving	Goal
Fullfill data management plan	Driver
Funding	Driver
Head of department	Stakeholder
Keep project on track	Driver
Manage data in line with policy	Driver
Proven Immutable copies	Requirement
Research Performance	Driver
Researcher	Stakeholder
Researcher as principal investigator	Stakeholder
Self Reputation	Driver
Transparent and predictable economy model	Requirement
Trusted collaboration	Driver
Various ingestion methods	Requirement

Element	Type
Verify transfer with checksum	Requirement
Versioning of datasets	Requirement
Workflow integration	Requirement

EDISON

No viewpoint



Elements

Element	Type
Big Data facilities Operator	Business Role
Business Analyst	Business Role
Data Analyst	Business Role
Data Analytics	Capability
Data Archivist	Business Role
Data entry field workers	Business Role
Data entry/access worker	Business Role
Data Librarian	Business Role
Data Management	Capability
Data Science (Application) Programmer/Engineer	Business Role
Data Science Architect	Business Role
Data Science Domain Knowledge	Capability
Data Science Engineering	Capability
Data Science Infrastructure Manager	Business Role
Data Science Manager	Business Role
Data Science Researcher	Business Role
Data Scientist	Business Role
Data Steward	Business Role
Digital Data Curator	Business Role
EDSF - Competences/Capabilities	Grouping
EDSF - Data science professional profiles	Grouping

Element	Type
EDSF - Managers	Grouping
EDSF - Professional (data handling/management)	Grouping
EDSF - Professional (database)	Grouping
EDSF - Professionals	Grouping
EDSF - Technicians and associate professionals	Grouping
Large scale (cloud) data storage operator	Business Role
Large scale (cloud) database administrator	Business Role
Large scale (cloud) database designer	Business Role
Research Infrastructure Manager	Business Role
Scientific and Research Methods	Capability
Scientific database administrator	Business Role
Scientific database operator	Business Role
User support data services	Business Role

Strategy Layer

Data Analytics

Type	Capability

Use appropriate statistical techniques and predictive analytics on available data to deliver insights and
discover new relations

-- EDISON Data Science Framework (EDSF)

Data Management

Type	Capability

Develop and implement a data management strategy for data collection, storage, preservation, and
availability for further processing.

-- EDISON Data Science Framework (EDSF)

Data Science Domain Knowledge

Type	Capability

Use domain knowledge (scientific or business) to develop relevant data analytics applications, and adopt
general Data Science methods to domain specific data types and presentations, data and process
models, organizational roles and relations

-- EDISON Data Science Framework (EDSF)

Data Science Engineering

Type	Capability

Use engineering principles to research, design, develop and implement new instruments and
applications for data collection, analysis and management

-- EDISON Data Science Framework (EDSF)

Scientific and Research Methods

Type	Capability

Create new understandings and capabilities by using the scientific method (hypothesis, test/artefact,
evaluation) or similar engineering methods to discover new approaches to create new knowledge and

> achieve research or organizational goals
>
> -- EDISON Data Science Framework (EDSF)

Business Layer

Big Data facilities Operator

Type	Business Role

Manages daily operation of facilities, resources, and responds to customer requests. Includes all operations related to data management and data lifecycle.

-- EDISON Data Science Framework (EDSF)

Business Analyst

Type	Business Role

Analyses large variety of data Information System for improving business performance.

-- EDISON Data Science Framework (EDSF)

Data Analyst

Type	Business Role

Analyses large variety of data to extract information about system, service or organisation performance and present them in usable/actionable form.

-- EDISON Data Science Framework (EDSF)

Data Archivist

Type	Business Role

Maintain historically significant collections of datasets, documents and records, other electronic data, and seek out new items for archiving.

-- EDISON Data Science Framework (EDSF)

Data entry field workers

Type	Business Role

The same work (as a data access worker) done on field when collecting data from disconnected sensors or doing direct counting or reading.

-- EDISON Data Science Framework (EDSF)

Data entry/access worker

Type	Business Role

Enter data into data management systems directly reading them from source, documents or obtained from people/users.

-- EDISON Data Science Framework (EDSF)

Data Librarian

Type	Business Role

> Data librarians perform or support one or more of the following: acquisition (collection development), organization (cataloguing and metadata), and the implementation of appropriate user services. Data librarians apply traditional librarianship principles and practices to data management, including data citation, digital object identifiers (DOIs), ethics and metadata.
>
> -- EDISON Data Science Framework (EDSF)

Data Science (Application) Programmer/Engineer

Type	Business Role

> Designs/develops/codes large data (science) analytics applications to support scientific or enterprise/business processes.
>
> -- EDISON Data Science Framework (EDSF)

Data Science Architect

Type	Business Role

> Designs and maintains the architecture of Data Science applications and facilities. Creates relevant data models and processes workflows.
>
> -- EDISON Data Science Framework (EDSF)

Data Science Infrastructure Manager

Type	Business Role

> Designs and maintains the architecture of Data Science applications and facilities. Creates relevant data models and processes workflows.
>
> -- EDISON Data Science Framework (EDSF)

Data Science Manager

Type	Business Role

> Proposes, plans and manages functional and technical evolutions of the data science operations within the relevant domain (technical, research, business).
>
> -- EDISON Data Science Framework (EDSF)

Data Science Researcher

Type	Business Role

> Data Science Researcher applies scientific discovery research/process, including hypothesis and hypothesis testing, to obtain actionable knowledge related to scientific problem, business process, or reveal hidden relations between multiple processes.

-- EDISON Data Science Framework (EDSF)

Data Scientist

Type	Business Role

Data scientists find and interpret rich data sources, manage large amounts of data, merge data sources, ensure consistency of data-sets, and create visualisations to aid in understanding data. Build mathematical models, present and communicate data insights and findings to specialists and scientists, and recommend ways to apply the data.

-- EDISON Data Science Framework (EDSF)

Data Steward

Type	Business Role

Plans, implements and manages (research) data input, storage, search, presentation; creates data model for domain specific data; support and advice domain scientists/ researchers. Creates data model for domain specific data, support and advice domain scientists/researchers during the whole research cycle and data management lifecycle.

-- EDISON Data Science Framework (EDSF)

Digital Data Curator

Type	Business Role

Finds, selects, organises, shares (exhibits) digital data collections, maintains their integrity, up-to- date status and freshness, discoverability.

-- EDISON Data Science Framework (EDSF)

Large scale (cloud) data storage operator

Type	Business Role

Manages daily operation of cloud storage, including related to data lifecycle, and responds to requests from storage users.

-- EDISON Data Science Framework (EDSF)

Large scale (cloud) database administrator

Type	Business Role

Designs and implements, or monitors and maintains large scale cloud databases.

-- EDISON Data Science Framework (EDSF)

Large scale (cloud) database designer

Type	Business Role

Designs/develops/codes large scale data bases and their use in domain/subject specific applications according to the customer needs.

-- EDISON Data Science Framework (EDSF)

Research Infrastructure Manager

Type	Business Role

Proposes plans and manages functional and technical evolutions of the research infrastructure within the relevant scientific domain.

-- EDISON Data Science Framework (EDSF)

Scientific database administrator

Type	Business Role

Designs and implements, or monitors and maintains large scale scientific databases.

-- EDISON Data Science Framework (EDSF)

Scientific database operator

Type	Business Role

Manages daily operation of scientific databases, including related to data lifecycle, and responds to requests from database users.

-- EDISON Data Science Framework (EDSF)

User support data services

Type	Business Role

Provides support to users to entry their data into governmental service and user facing applications.

-- EDISON Data Science Framework (EDSF)

Motivation

(Semi)automated ingestion

Type	Requirement

> Like Submission Information Package (SIP) in the OAIS model with e.g. automated metadata extraction.

Access management

Type	Requirement

Access option

Type	Requirement

> The possibility to have a copy of what is within the archive.

Access to institutional memory

Type	Driver

Appropriate reproducibility options

Type	Goal

Appropriate security mechanisms

Type	Requirement

Archive data from a national value perspective

Type	Driver

Archive manager

Type	Stakeholder

Assign roles and responsibilities

Type	Requirement

Auditing capability

Type	Requirement

Availability of services

Type	Driver

Capacity planning

Type	Goal

CFO

Type	Stakeholder

> Chief Financial Officer

CISO

Type	Stakeholder

Clean up method

Type	Requirement

CoC compliance

Type	Goal

> Code of Conduct

Compliance

Type	Goal

Compliant data handling

Type	Driver

> Covers compliance with rules and regulations according to Danish and international law, with laws like GDPR, Arkivloven, rules governing asset management etc.

Confidentiality

Type	Goal

Control data

Type	Driver

Creditable journal submissions

Type	Goal

Curate data

Type	Goal

Curation options

Type	Requirement

Data according to specification

Type	Requirement

Data can be accessed

Type	Goal

Data can be found

Type	Goal

Data can be shared

Type	Goal

Data curation

Type	Driver

Data handling policy

Type	Requirement

Data preservation

Type	Driver

Data set overview

Type	Requirement

Datatilsynet

Type	Stakeholder

Dean for research

Type	Stakeholder

Deliver services according to SLA

Type	Goal

Digital Object Management according to CoreTrustSeal

Type	Requirement

> R.7. CoreTrustSeal
>
> Guidance:
> The repository should provide evidence to show that it operates a data and metadata management system
> suitable for ensuring integrity and authenticity during the processes of ingest, archival storage, and data
> access.
> Integrity ensures that changes to data and metadata are documented and can be traced to the rationale
> and originator of the change.
> Authenticity covers the degree of reliability of the original deposited data and its provenance, including the
> relationship between the original data and that disseminated, and whether or not existing relationships
> between datasets and/or metadata are maintained.

For this Requirement, responses on data integrity should include evidence related to the following:
● Description of checks to verify that a digital object has not been altered or corrupted (i.e., fixity
checks).
● Documentation of the completeness of the data and metadata.
● Details of how all changes to the data and metadata are logged.
● Description of version control strategy.
● Usage of appropriate international standards and conventions (which should be specified).
Evidence of authenticity management should relate to the follow questions:
● Does the repository have a strategy for data changes? Are data producers made aware of this
strategy?
● Does the repository maintain provenance data and related audit trails?
● Does the repository maintain links to metadata and to other datasets? If so, how?
● Does the repository compare the essential properties of different versions of the same file? How?
● Does the repository check the identities of depositors?
This Requirement covers the entire data lifecycle within the repository, and thus has relationships with
workflow steps included in other requirements—for example, R8 (Appraisal) for ingest, R9 (Documented
storage procedures) and R10 (Preservation plan) for archival storage, and R12–R14 (Workflows, Data
discovery and identification, and Data reuse) for dissemination. However, maintaining data integrity and
authenticity can also be considered a mindset, and the responsibility of everyone within the repository.

https://www.coretrustseal.org/wp-content/uploads/2017/01/Core_Trustworthy_Data_Repositories_Requirements_01_00.pdf

DMP association

Type	Requirement

Documentation of lawfullness of processing

Type	Requirement

Documentation of purpose

Type	Requirement

Documented data

Type	Requirement

Documented processes

Type	Requirement

Documenting practice

Type	Goal

DPO

Type	Stakeholder

Easy data access / process

Type	Driver

Ensure economy on track

Type	Goal

Ensure short / mid term preservation

Type	Goal

Ensure that "national" data is on the right spot

Type	Goal

Ensuring integrity, confidentiality and availability

Type	Goal

> Maybe split in to the individual parts

Evaluation of preservation value

Type	Goal

Facilitate access and/or reuse

Type	Goal

FAIR

Type	Requirement

FAIR data

Type	Driver

Fast and easy archiving

Type	Goal

Finance and account department

Type	Stakeholder

Fullfill data management plan

Type	Driver

Funding

Type	Driver

Funding agency

Type	Stakeholder

GDPR compliance

Type	Goal

GDPR compliance documentation

Type	Requirement

Good metadata

Type	Goal

Good research ethics

Type	Driver

Government

Type	Stakeholder

Head of department

Type	Stakeholder

High FAIR data rate

Type	Goal

Industry partner

Type	Stakeholder

Infrastructure manager

Type	Stakeholder

Inspect and audit institutional data handling

Type	Goal

Institutional Reputation

Type	Driver

IT

Type	Stakeholder

IT CEO

Type	Stakeholder

Journal editors

Type	Stakeholder

Keep project metadata and results secret

Type	Requirement

Keep project on track

Type	Driver

Knowledge sharing

Type	Goal

Law department

Type	Stakeholder

Library

Type	Stakeholder

Library; data curators

Type	Stakeholder

Logging

Type	Requirement

Manage data in line with policy

Type	Driver

Manageable archive

Type	Goal

Management

Type	Stakeholder

Maximize funding outcome

Type	Driver

Monitoring options for compliance

Type	Requirement

Obtain copy of datasets

Type	Goal

Open Science

Type	Goal

Ownership verification

Type	Requirement

PhD Supervisor

Type	Stakeholder

Praksisudvalg

Type	Stakeholder

Prediction ability

Type	Requirement

Preserve context for asset, user etc.

Type	Requirement

> E.g. preserving the orgnisational affiliation for the user at a given time.

Prevent data loss

Type	Goal

Proof of data security

Type	Goal

Prove institutional compliance

Type	Driver

Prove institutional compliance

Type	Goal

Proven Immutable copies

Type	Requirement

Proven integrity

Type	Goal

Pursue data leak

Type	Goal

RDM Team

Type	Stakeholder

Research is progress

Type	Driver

Research Performance

Type	Driver

Researcher

Type	Stakeholder

Researcher as principal investigator

Type	Stakeholder

Researcher outside own institution

Type	Stakeholder

Reviewers

Type	Stakeholder

Rigsarkivet

Type	Stakeholder

Rigsrevisionen

Type	Stakeholder

Safeguard compliance for lawfulness

Type	Driver

Self Reputation

Type	Driver

Service provider

Type	Stakeholder

Sponsorship from senior management

Type	Requirement

Transparent and predictable economy model

Type	Requirement

Trusted collaboration

Type	Driver

> Collaboration between the researcher in the role of PI and other partners, whether this is university partners, industy partners etc.

Trusted data

Type	Driver

Understand data types

Type	Goal

Understand kinds of data

Type	Driver

Various ingestion methods

Type	Requirement

Verify transfer with checksum

Type	Requirement

Versioning of datasets

Type	Requirement

Workflow integration

Type	Requirement

Other

EDSF - Competences/Capabilities

Type	Grouping

> The EDISON Data Science Framework is a collection of documents that define the Data Science profession. Freely available, these documents have been developed to guide educators and trainers, emplyers and managers, and Data Scientists themselves. This collection of documents collectively breakdown the complexity of the skills and competences need to define Data Science as a professional practice.
>
> -- EDISON Data Science Framework (EDSF)

EDSF - Data science professional profiles

Type	Grouping

EDSF - Managers

Type	Grouping

EDSF - Professional (data handling/management)

Type	Grouping

EDSF - Professional (database)

Type	Grouping

EDSF - Professionals

Type	Grouping

EDSF - Technicians and associate professionals

Type	Grouping

Relations

Composition relation

Type	Composition relation
Source	EDSF - Professional (data handling/management)
Target	Digital Data Curator

Composition relation

Type	Composition relation
Source	EDSF - Technicians and associate professionals
Target	Large scale (cloud) data storage operator

Composition relation

Type	Composition relation
Source	EDSF - Data science professional profiles
Target	Data entry/access worker

Composition relation

Type	Composition relation
Source	EDSF - Competences/Capabilities
Target	Scientific and Research Methods

Composition relation

Type	Composition relation
Source	EDSF - Professionals
Target	Data Science Researcher

Composition relation

Type	Composition relation
Source	EDSF - Professional (data handling/management)
Target	Data Archivist

Composition relation

Type	Composition relation
Source	EDSF - Data science professional profiles
Target	User support data services

Composition relation

Type	Composition relation
Source	EDSF - Professionals
Target	Data Science (Application) Programmer/Engineer

Composition relation

Type	Composition relation

Source	EDSF - Managers
Target	Research Infrastructure Manager

Composition relation

Type	Composition relation
Source	EDSF - Competences/Capabilities
Target	Data Science Domain Knowledge

Composition relation

Type	Composition relation
Source	EDSF - Technicians and associate professionals
Target	Big Data facilities Operator

Composition relation

Type	Composition relation
Source	EDSF - Managers
Target	Data Science Manager

Composition relation

Type	Composition relation
Source	EDSF - Managers
Target	Data Science Infrastructure Manager

Composition relation

Type	Composition relation
Source	EDSF - Professional (data handling/management)
Target	Data Steward

Composition relation

Type	Composition relation
Source	EDSF - Professional (database)
Target	Large scale (cloud) database designer

Composition relation

Type	Composition relation
Source	EDSF - Competences/Capabilities
Target	Data Science Engineering

Composition relation

Type	Composition relation
Source	EDSF - Professionals
Target	Business Analyst

Composition relation

Type	Composition relation
Source	EDSF - Data science professional profiles
Target	Data entry field workers

Composition relation

Type	Composition relation
Source	EDSF - Competences/Capabilities
Target	Data Management

Composition relation

Type	Composition relation
Source	EDSF - Competences/Capabilities
Target	Data Analytics

Composition relation

Type	Composition relation
Source	EDSF - Technicians and associate professionals
Target	Scientific database operator

Composition relation

Type	Composition relation
Source	EDSF - Professionals
Target	Data Science Architect

Composition relation

Type	Composition relation
Source	EDSF - Professional (data handling/management)
Target	Data Librarian

Composition relation

Type	Composition relation
Source	EDSF - Professionals
Target	Data Scientist

Composition relation

Type	Composition relation
Source	EDSF - Professional (database)
Target	Scientific database administrator

Composition relation

Type	Composition relation
Source	EDSF - Professionals
Target	Data Analyst

Composition relation

Type	Composition relation
Source	EDSF - Professional (database)
Target	Large scale (cloud) database administrator

Association relation

Type	Association relation
Source	CISO
Target	Compliant data handling

Association relation

Type	Association relation
Source	Compliant data handling
Target	Ensuring integrity, confidentiality and availability

Realization relation

Type	Realization relation
Source	Monitoring options for compliance
Target	Ensuring integrity, confidentiality and availability

Association relation

Type	Association relation
Source	Ensuring integrity, confidentiality and availability
Target	Documented processes

Association relation

Type	Association relation
Source	Ensuring integrity, confidentiality and availability
Target	Monitoring options for compliance

Association relation

Type	Association relation
Source	Ensuring integrity, confidentiality and availability
Target	Data set overview

Association relation

Type	Association relation
Source	Researcher
Target	Self Reputation

Association relation

Type	Association relation
Source	Self Reputation

Target	Appropriate reproducibility options

Association relation

Type	Association relation
Source	Appropriate reproducibility options
Target	Proven Immutable copies

Association relation

Type	Association relation
Source	Appropriate reproducibility options
Target	FAIR

Association relation

Type	Association relation
Source	Researcher
Target	Research Performance

Association relation

Type	Association relation
Source	Research Performance
Target	Fast and easy archiving

Association relation

Type	Association relation
Source	Fast and easy archiving
Target	Workflow integration

Association relation

Type	Association relation
Source	Researcher as principal investigator
Target	Keep project on track

Association relation

Type	Association relation
Source	Keep project on track
Target	Ensure economy on track

Association relation

Type	Association relation
Source	Ensure economy on track
Target	Transparent and predictable economy model

Association relation

Type	Association relation

Source	Ensuring integrity, confidentiality and availability
Target	Appropriate security mechanisms

Association relation

Type	Association relation
Source	Keep project on track
Target	Fullfill data management plan

Association relation

Type	Association relation
Source	Researcher as principal investigator
Target	Funding

Association relation

Type	Association relation
Source	Industry partner
Target	Trusted collaboration

Association relation

Type	Association relation
Source	Trusted collaboration
Target	Ensuring integrity, confidentiality and availability

Association relation

Type	Association relation
Source	Proven Immutable copies
Target	Digital Object Management according to CoreTrustSeal

Association relation

Type	Association relation
Source	Rigsarkivet
Target	Archive data from a national value perspective

Association relation

Type	Association relation
Source	Archive data from a national value perspective
Target	Evaluation of preservation value

Association relation

Type	Association relation
Source	Archive data from a national value perspective
Target	Obtain copy of datasets

Association relation

Type	Association relation
Source	Evaluation of preservation value
Target	Data set overview

Association relation

Type	Association relation
Source	Obtain copy of datasets
Target	Data according to specification

Association relation

Type	Association relation
Source	Auditing capability
Target	Documentation of lawfullness of processing

Association relation

Type	Association relation
Source	Auditing capability
Target	Documentation of purpose

Association relation

Type	Association relation
Source	Fullfill data management plan
Target	DMP association

Association relation

Type	Association relation
Source	Infrastructure manager
Target	Availability of services

Association relation

Type	Association relation
Source	Availability of services
Target	Capacity planning

Association relation

Type	Association relation
Source	Capacity planning
Target	Prediction ability

Association relation

Type	Association relation
Source	Researcher as principal investigator
Target	Trusted collaboration

Association relation

Type	Association relation
Source	Data set overview
Target	Keep project metadata and results secret

Association relation

Type	Association relation
Source	Monitoring options for compliance
Target	Logging

Association relation

Type	Association relation
Source	Archive data from a national value perspective
Target	Curate data

Association relation

Type	Association relation
Source	Versioning of datasets
Target	Workflow integration

Association relation

Type	Association relation
Source	Ensuring integrity, confidentiality and availability
Target	Keep project metadata and results secret

Association relation

Type	Association relation
Source	Ensuring integrity, confidentiality and availability
Target	Assign roles and responsibilities

Association relation

Type	Association relation
Source	Availability of services
Target	Deliver services according to SLA

Association relation

Type	Association relation
Source	Data set overview
Target	Preserve context for asset, user etc.

Association relation

Type	Association relation
Source	Trusted collaboration

Target	Ensuring integrity, confidentiality and availability

Association relation

Type	Association relation
Source	Workflow integration
Target	Various ingestion methods

Association relation

Type	Association relation
Source	Head of department
Target	Manage data in line with policy

Association relation

Type	Association relation
Source	Manage data in line with policy
Target	Facilitate access and/or reuse

Association relation

Type	Association relation
Source	Archive manager
Target	Compliant data handling

Association relation

Type	Association relation
Source	Ensuring integrity, confidentiality and availability
Target	Clean up method

Association relation

Type	Association relation
Source	Compliant data handling
Target	Manageable archive

Association relation

Type	Association relation
Source	Manageable archive
Target	Data handling policy

Association relation

Type	Association relation
Source	Workflow integration
Target	(Semi)automated ingestion

Association relation

Type	Association relation

Source	Proven Immutable copies
Target	Verify transfer with checksum

Association relation

Type	Association relation
Source	Datatilsynet
Target	Safeguard compliance for lawfulness

Association relation

Type	Association relation
Source	Safeguard compliance for lawfulness
Target	Inspect and audit institutional data handling

Association relation

Type	Association relation
Source	Safeguard compliance for lawfulness
Target	Pursue data leak

Association relation

Type	Association relation
Source	Inspect and audit institutional data handling
Target	GDPR compliance documentation