



The Five Safes (plus Two)



A/Prof Steven McEachern—Yolante Jones

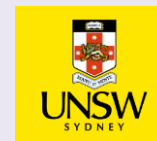
Director of Australian Data Archive—Community Coordinator

Project Lead, CADRE

Partners



Australian National University



Ice breaker

Read your question out loud.

Provide a quick answer.

If you have no opinion, just say “I have no opinion on this.” It is then open to the group for other answers.

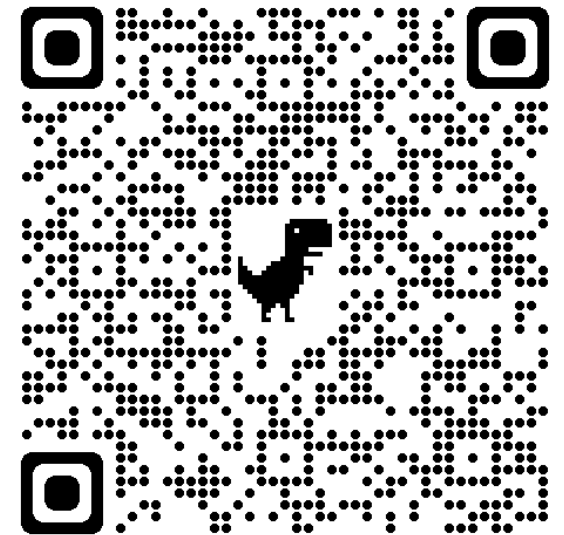
Go around the table until all the questions have been answered.

Learning objectives

1. Understand the Five Safes plus Two Framework
2. Understand how information helps form decisions for access and approval to sensitive data
3. Understand sensitive data can be shared safely
4. Understand how the framework can be applied in practice

“..across the G20 and Europe there are new data governance rules proposed every day on average in 2023.”

- Johannes Fritz, Michael Nunes & Supheakmungkol Sarin



The Five Safes



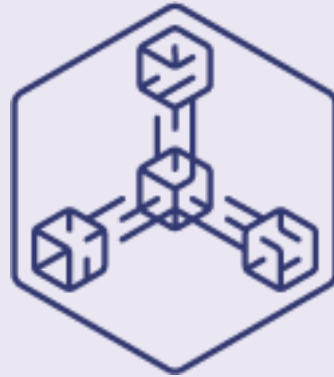
The Five Safes



Safe Project



Safe Person



Safe Data



Safe Setting



Safe Output

Why are so many government departments using the Five Safes framework?



The screenshot shows the Data.NSW website header. On the left is the NSW Government logo. To its right is the text "Data.NSW" and a search icon. Below this is a navigation menu with links: "About", "Data Policy", "Sharing Data", "Using Data", "Our Work", and "Contact".

The screenshot shows the "Data Sharing Principles" page on Data.NSW. The breadcrumb trail is "Home > Data Sharing Principles". The page title is "Data Sharing Principles". Below the title is a paragraph: "Data sharing is where NSW government agencies provide authorised access, usually within government or to research institutions, to the data they hold in a controlled manner, to help deliver better outcomes to the people of NSW." Below this is another paragraph: "The 'Five Safes' is an internationally recognised risk management model designed to help identify and manage data sharing risks. Under this framework, data sharing risks are managed across five 'safety' dimensions: people, projects, settings, output and data." At the bottom of this section are five icons representing the dimensions: "People" (group of people), "Settings" (location pin), "Projects" (briefcase), "Outputs" (upward arrow), and "Data" (document with gear).

The screenshot shows the AIHW website header. On the left is the Australian Government logo and the text "Australian Institute of Health and Welfare". To its right is the "AIHW" logo and a search bar. Below this is a navigation menu with links: "COVID-19", "Reports & data", "Our services", "About our data", "News & media", and "About us".

The screenshot shows the "The Five Safes framework" page on the AIHW website. The breadcrumb trail is "Home > About our data > Data governance". The page title is "The Five Safes framework". Below the title is a list of links: "Our data collections", "AIHW data by geography", "AIHW data by indicators", and "AIHW data by sex and gender". To the right of the list is a paragraph: "The AIHW has a long history of effective compliance with its privacy and confidentiality obligations and is well experienced in managing the risks associated with the use and release of data. The AIHW uses the Five Safes framework to reinforce management of the privacy and confidentiality of data." Below this is another paragraph: "The Five Safes is an approach to thinking about, assessing and managing risks associated with data sharing and release. The framework is an internationally recognised approach to considering strategic, privacy, security, ethical and operational risks as part of a holistic assessment of the risks associated with data sharing or release. The *Data Availability and Transparency Bill 2020* includes reference to Data Sharing Principles based on the Five Safes framework."

The screenshot shows the Australian Bureau of Statistics website header. On the left is the Australian Bureau of Statistics logo. To its right is a navigation menu with links: "Statistics", "Census", "Participating in a survey", and "About". On the far right is a search icon.

The screenshot shows the search results page on the Australian Bureau of Statistics website. The breadcrumb trail is "Home > About > Data services > Data confidentiality guide > Five Safes framework". The search bar contains "Search this release...". Below the search bar is a list of search results: "Data confidentiality guide", "Understanding re-identification", and "Five Safes framework" (which is highlighted). Below the list is a section titled "On this page".

The screenshot shows the "Five Safes framework" page on the Australian Bureau of Statistics website. The breadcrumb trail is "Home > About > Data services > Data confidentiality guide > Five Safes framework". The page title is "Five Safes framework". Below the title is the subtitle "Data confidentiality guide" and the text "Using safe people, projects, settings, data and output to balance disclosure risk and utility, ABS Fives Safes examples". Below this is a paragraph: "Released 8/11/2021".

Is it because of incidents like this?



Healthcare IT News

Privacy & Security

Data of 43,000 patients breached after theft of unencrypted laptop

A laptop of a Coplin Health Systems employee was stolen from a car in November and serves as a reminder to healthcare organizations to encrypt all data that physically leave the building.

By [Jessica Davis](#) | January 12, 2018 | 11:50 AM



PRIVACY & COMPLIANCE

NHS Digital Erroneously Reveals Data of 150,000 Patients

On Monday July 2, Jackie Doyle-Price, the parliamentary under-secretary of state for health, delivered a written [statement](#) to the UK parliament. It explained that 150,000 NHS patients who had specifically opted out of the NHS patient data-sharing regime were in fact not opted out.

 By [Kevin Bowers](#)
July 5, 2018



On Monday July 2, Jackie Doyle-Price, the parliamentary under-secretary of state for health, delivered a written [statement](#) to the UK parliament. It explained that 150,000 NHS patients who had specifically opted out of the NHS patient data-sharing regime were in fact not opted out.

“As a result,” says the statement, “these objections were not upheld by NHS Digital in its data disseminations between April 2016, when the NHS Digital process for enabling them to be upheld was introduced, and 26 June 2018. **This means that data for these patients has been used in clinical audit and research that helps drive improvements in outcomes for patients.**”

TRENDING

- 1 Companies Increasingly Hit With Data Breach Lawsuits: Law Firm
- 2 New 'Lobshot' hVNC Malware Used by Russian Cybercriminals
- 3 T-Mobile Says Personal Information Stolen in New Data Breach
- 4 Leaked Files Show Extent of Ransomware Group's Access to Western Digital Systems
- 5 CISA Asks for Public Opinion on Secure Software Attestation

Dataplace + Data & Transparency Act 2022



BETA

Dataplace services are still being trialled and we'd like you to tell us what you think ↗.



Australian Government

Dataplace

Transforming data sharing

→ Sign in

[Home](#) [About](#) [Help](#) [News](#)

You can now auto-generate a General data sharing agreement. Visit [Help](#) for more information.

To assist new Dataplace users, a Training environment is available. The ability to auto-generate data sharing agreements is now available for use. [Contact us](#) to access the Training environment and check out the [Training environment guide](#) to read more.

Making it easier to request government data

Dataplace is a new, whole of government digital platform that will make it easier to request Australian Government data.

The platform brings together those wanting to get access to data (such as researchers and those working on public policy and delivering public services) with Australian Government agencies who are custodians of and hold the data.

Dataplace will:

- be the place to request data from any Australian Government agency, including under the *Data Availability and Transparency Act 2022*, data sharing scheme (DATA Scheme)
- help Australian Government agencies manage requests and data sharing agreements, including under the DATA Scheme
- manage the accreditation of organisations to support them requesting data under the DATA scheme
- report on Australian Government data sharing activities to the public.

Benefits of the Five Safes Framework



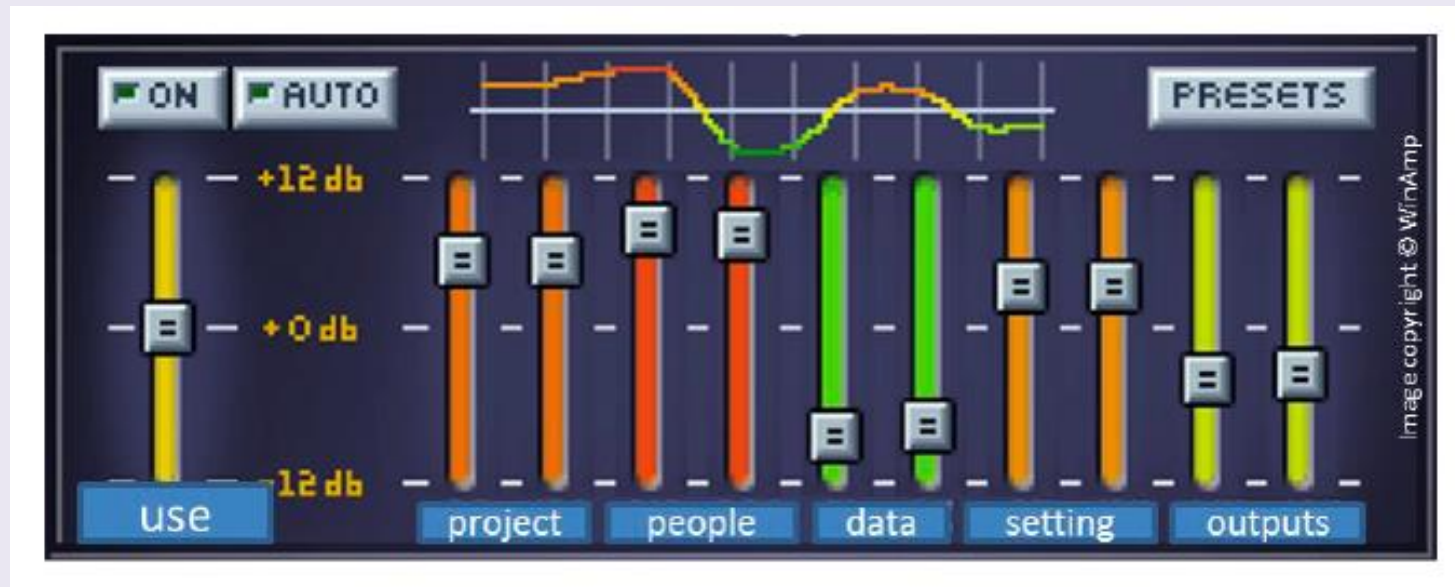
- ❖ Minimises disclosure risks
- ❖ Provides a framework for data applicants and data owners.
- ❖ Guides decision making for access and approval to (sensitive) data.
- ❖ Can be applied to a variety of contexts and disciplines.
- ❖ Builds trust in the research community and therefore increases the impact research has on societal outcomes.

What are the Five Safes?

Safe dimension	Ritchie et al. assessment	ONDC Principle
Safe projects	Is this use of the data appropriate?	Data is shared for an appropriate purpose that delivers a public benefit
Safe people	Can the researchers be trusted to use it in an appropriate manner?	The user has the appropriate authority to access the data
Safe data	Is there a disclosure risk in the data itself?	Appropriate and proportionate protections are applied to the data
Safe settings	Does the access facility limit unauthorised use?	The environment in which the data is shared minimises the risk of unauthorised use or disclosure
Safe outputs	Are the statistical results non-disclosive?	The output from the data sharing arrangement is appropriately safeguarded before any further sharing or release

Each Safe is not considered in isolation.

Each Safe will not have the same weighting for every application.



Safe Project

Is this a safe use of the data for public benefit?

Considerations:

Intended use: Fit purpose; public benefit; academic contribution and commercial benefit

Context

Ethics

Risks: confidentiality risks; reputational risks and commercial risks

End user of the project

- Who is the sponsor of the research?
- Who is the research being conducted for?
- Who is funding the research?

Safe People

Appropriate authority to access the data

Institution



Safe Data

Usability of the data

Usability:

Provide different versions of the data

Availability of structural and contextual metadata (data dictionaries, project descriptions etc.)

Availability of 'test' or synthetic versions of data

Integrity:

Contextual information

Data treatment

Curatorial process

Access:

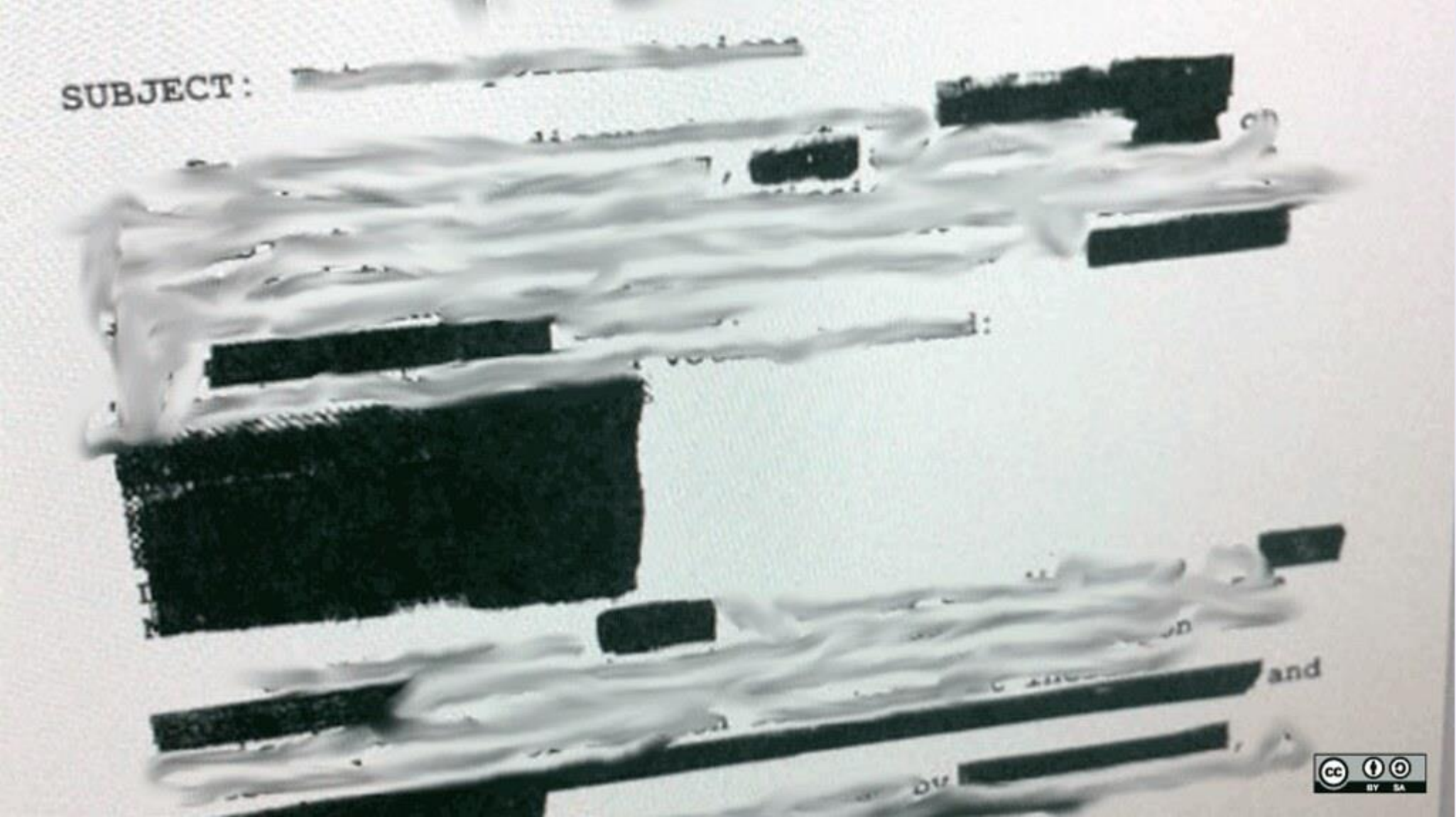
User characteristics

Limit on purposes

Notification – review of outputs

Licences and other relevant documentation

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Key intersections.

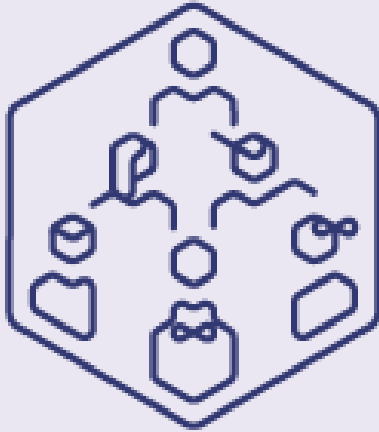
Table 8 Key information intersections in CADRE framework

Intersection	Example	People	Projects	Data	Settings	Outputs
People and Projects	Data custodians assess the characteristics of the person (such as the type of organisation they work in) in assessing the project. ¹					
Projects and data	Data custodians will assess the project requirements and research questions in determining the content of the dataset to make available for the project.					
Data and Settings	A data provider will assess the setting and how the data will be accessed in determining what level of treatment to apply to the data prior to transferring it to the setting.					
Settings and outputs	A data custodian will assess the capacity of the setting to allow review of the outputs in assessing its suitability for use.					
People and settings	Users of settings are required to undertake training in the Five Safes and the specific setting before access to the setting is provided.					
People and outputs	Researchers using settings are trained in suitable outputs for release as part of training programs – a “virtuous circle” model (Ritchie et al., 2017).					

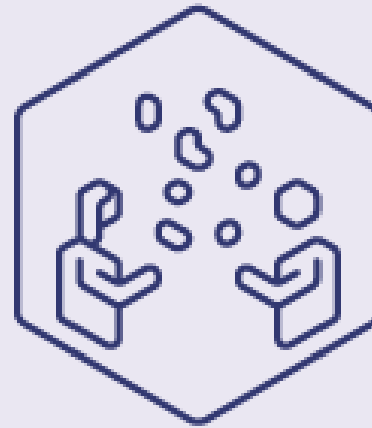
Practical Applications

Safe dimension	Data Applicant	Data Custodian
Safe projects	<ul style="list-style-type: none"> - Identify how the data will answer the research question and which variables within the data 	<ul style="list-style-type: none"> - Ethics approval ref # - Clear justifications provided for use of the data
Safe people	<ul style="list-style-type: none"> - Institutional/org credentials - Previously published outputs 	<ul style="list-style-type: none"> - Email address - History of published outputs
Safe data	<ul style="list-style-type: none"> - Consider all data requirements so any disclosure risk is mitigated 	<ul style="list-style-type: none"> - Ask that all data is declared in the application - Weigh up the risks for approving access
Safe settings	<ul style="list-style-type: none"> - Set out all steps taken to ensure data will be analysed securely 	<ul style="list-style-type: none"> - Make a decision on which analysis environment is appropriate to keep the data secure
Safe outputs	<ul style="list-style-type: none"> - Demonstrate competency to provide non-disclosive outputs. - Provide an overview of how the analysis will be conducted 	<ul style="list-style-type: none"> - Set clear guidelines for the data applicant. <i>Example -No attempt of identifying any individual (living or dead) from the data.</i>

Two Additional Safes



Organisations



Groups

Safe Organisations + Groups

Organisations

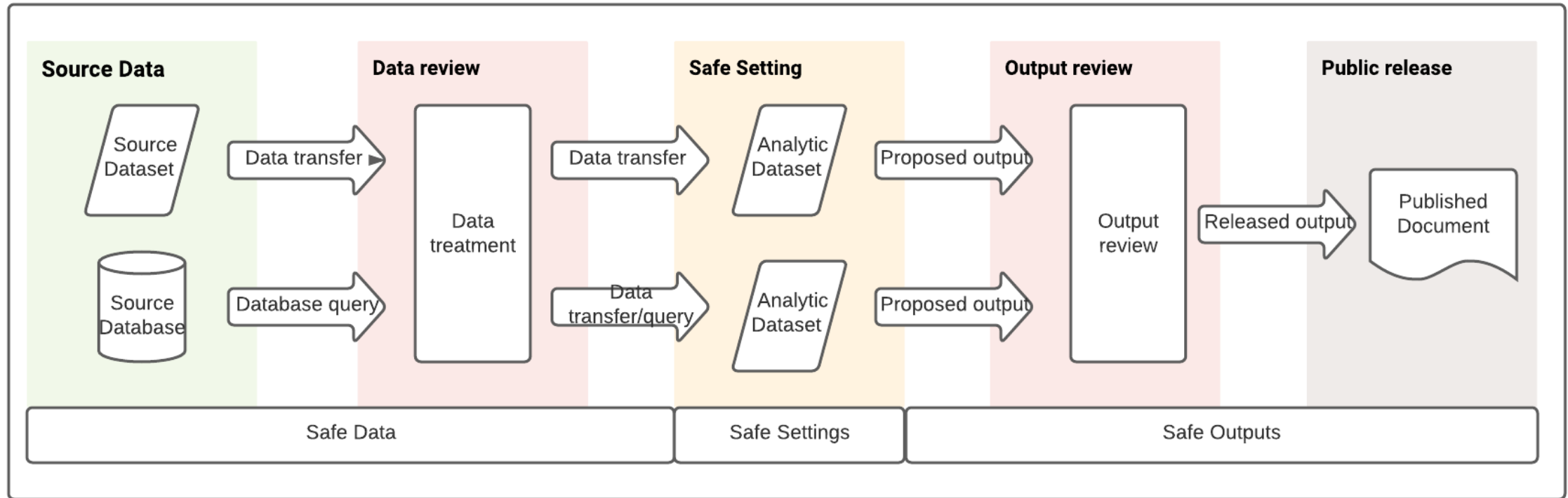
- Legal implications
- Resources and infrastructure
- Legal and ethical controls
- Data sharing

Groups

Five Safes Dimension	Grouping
Safe people	People working in Research teams
Safe Projects	Projects completed as part of larger Work Programs
Safe Data	A linked dataset resulting from linkage or integration of multiple upstream Datasets
Safe Settings	Use of data from multiple sources, located in multiple settings
Safe Outputs	Multiple publications outputs resulting from a completed analysis

Break

Safe data, settings and outputs



Let's work through an example

RESEARCH APPLICATION FORM Department of Children, Youth Justice and Multicultural Affairs

Information for researchers

The Department of Children, Youth Justice and Multicultural Affairs (DCYJMA) requires research projects to deliver outputs that inform good practice, policy, and programs.

The relevance of research projects to our strategic priorities and the potential for research findings to assist the department to achieve improved outcomes for children, families, young people, and Aboriginal and Torres Strait Islander peoples and diverse communities is central to research approval decision-making.

The information you provide on this form and in supporting documents will become the basis for consideration of your research project proposal, and will assist the department to decide whether to approve the research project.

The following will enable timely consideration of your application:

- clear, concise and sufficient information in each section
- relevant supplementary documentation for ethical approval (see Section 4)

Departmental processes

- Please submit an electronic copy of your Research Application Form and supplementary documents, to the department via researchandevaluation@csyw.qld.gov.au.
- If additional information is required to complete your application, a member of the department will contact you to discuss.

Please note that the departmental assessment and approval process will require a minimum of 8 weeks

The timeframe begins when a completed Research Application Form and all relevant documentation is provided, requiring no further changes. This eight-week timeframe does not include your initial engagement with the department.

Please note that approval may require project redesign and/or ethics approval and there are no guarantees that a project will be approved once submitted.

If you have any queries about the information outlined and/or requested in this application, please contact the department at researchandevaluation@csyw.qld.gov.au.

Queensland Government

PRIVACY NOTICE: The information you provide on this application form will be used by the Department of Children, Youth Justice and Multicultural Affairs to respond to and manage your research application. The information will be handled in accordance with the Information Privacy Act 2009 (Qld). For more information, please visit the Departmental privacy webpage at <https://www.cyma.qld.gov.au/about-us/our-department/information-privacy>

RESEARCH APPLICATION FORM Department of Children, Youth Justice and Multicultural Affairs

Section 1: Applicant information

Chief Researcher or Investigator this must align with ethics and any grant documentation

Name	Click here to enter text
Position and organisation	Click here to enter text
Postal address	Click here to enter text
Telephone and/or mobile	Click here to enter text
Email	Click here to enter text
If student researcher, please specify degree type and timeframe	Click here to enter text

Research supervisor (if applicable)

Name	Click here to enter text
Position and organisation	Click here to enter text
Postal address	Click here to enter text
Telephone and/or mobile	Click here to enter text
Email	Click here to enter text

Project team details

Name and title	Role on this project	University/organisation	Relevant working with children clearance
Insert name and title	Choose a title	Insert university/organisation	Included?
Insert name and title	Choose a title	Insert university/organisation	Included?
Insert name and title	Choose a title	Insert university/organisation	Included?
Insert name and title	Choose a title	Insert university/organisation	Included?
Insert name and title	Choose a title	Insert university/organisation	Included?
Insert name and title	Choose a title	Insert university/organisation	Included?

Queensland Government

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Section 2: Research proposal

Project title

Please insert the title of your project (10 words maximum)

Project summary

Please provide a very brief summary of your project using simple language (100 words maximum)

Project rationale

Briefly outline the rationale for the research, addressing each of the following: aims, research questions and how the proposal fits with existing research and identified gaps in knowledge. For all research projects that may include Aboriginal and/or Torres Strait Islander peoples, please describe how the [Aboriginal and Torres Strait Islander Knowledge Lens](#) and [Know Your Community](#) tool have been applied to develop the rationale. Confirm there are no existing systemic reviews on the topic and if there are, provide a justification for further research (250 words maximum).

Please add your response here

Research design

Briefly outline the research design including participant sampling and recruitment, data collection methods, and data analysis methods. For all research projects that may include Aboriginal and/or Torres Strait Islander peoples, please indicate how the [Aboriginal and Torres Strait Islander Knowledge Lens](#) and [Know Your Community](#) tool have been used to inform the design (500 words maximum). If your response does not fit within the word limit, please attach as an appendix.

Please add your response here

Researchers are required to provide six-monthly updates, or updates as specified and a final report at the end of the project. Reporting on progress and outcomes may include attending meetings and/or facilitating presentations on progress.

Proposed project schedule

Include commencement and completion dates for each significant stage of the project. The bolded milestones are required and are not to be deleted. Add as many relevant milestones as needed. If data is being collected from clients or staff, then recruitment timeframes must be included as a milestone.

Key Milestone	Commencement date	Completion date
Research data collection and analysis		
Project start date	Click here to enter a date	N/A
Insert key milestone	Click here to enter a date	Click here to enter a date
Insert key milestone	Click here to enter a date	Click here to enter a date
Report on progress	Click here to enter a date	Click here to enter a date
Insert key milestone	Click here to enter a date	Click here to enter a date
Insert key milestone	Click here to enter a date	Click here to enter a date
Report on findings	Click here to enter a date	Click here to enter a date
Insert key milestone	Click here to enter a date	Click here to enter a date
Insert key milestone	Click here to enter a date	Click here to enter a date
Project completion date	N/A	Click here to enter a date

Risks

Describe the potential demands, risks, inconvenience, and discomfort to the sample population/s and, if applicable, staff involved in recruitment. Detail actions that will be taken to prevent or minimise risk.

- Please add your response here

Partner organisations

Does the research proposal involve any other organisations such as: collaborating organisations(s); sponsoring organisation(s); and/or other government agency; funding/grant organisation? If yes, please identify each organisation and briefly outline what they are contributing to this research.

- Please add your response here

Consultation with DCYJMA

If you have discussed this project with any staff within the department, please add their details here, as well as the nature or outcomes of this discussion.

- Please add your response here

Section 3: Strategic relevance and benefits of research

Alignment with DCYJMA strategic priorities

Briefly describe the research proposal's alignment with the DCYJMA Research Agenda, the [DCYJMA Strategic Plan 2019-23](#) priorities and the [Our Way Strategy and Action Plan](#). For:

- Child safety focused projects please also outline alignment with [Supporting Families, Changing Futures 2019-2023](#) and the [Out of Home Care Outcomes Framework](#).
- Domestic and family violence focused project please also demonstrate alignment to the [Domestic and Family Violence Prevention Strategy 2016-2026](#)
- Please add your response here

Alignment with national priorities

Briefly describe the research proposal's alignment with relevant national priorities such as the [National Framework for Protecting Australia's Children 2009-2020](#), [Closing the Gap](#) and the [National Plan to Reduce Violence against Women and their Children 2010-2022](#) (100 words maximum).

- Please add your response here

Expected outcomes and benefits of the research project

Briefly describe how you expect the findings to benefit DCYJMA policy, program or practice outcomes i.e. how could the findings be used by DCYJMA in policy, programs and practice development and decision-making and how will this lead to improved outcomes for children, young people and their families? How is this research adding to the evidence base and contributing new knowledge? (200 words maximum).

- Please add your response here

Planned products of this project

List the expected products that will be produced and provided to DCYJMA as a result of this project. Please Note: The research team must provide all and any outputs arising from this project to the Department for review and response, 20 days prior to submission for publication (100 words maximum).

- Six monthly updates (mandatory)
- DCYJMA final report (mandatory)

- Articles for review prior to publication (mandatory)
- Please add your response here

Section 4: Ethics

Status of Human Research Ethics Committee (HREC) approval

Before finalising research approvals, the department requires that a research proposal has relevant HREC approval, unless the data being used is publicly available. The department requires that research meets Queensland legislative requirements related to privacy and confidentiality as outlined in the [Child Protection Act 1999 \(Qld\)](#), the [Domestic and Family Violence Prevention Act 2012](#) and the [Right to Information Act 2009](#).

Please select one of the following:

<input type="checkbox"/>	Research project has ethics approval from HREC	<input type="checkbox"/>	Research project is waiting for ethics approval from a HREC
<input type="checkbox"/>	Ethics application is being drafted and will be provided when available	<input type="checkbox"/>	Other - <insert explanation>

Please attach the following to this application:

- Ethics application form (as submitted to HREC – or most current draft)
- Evidence of ethics approval
- Ethics exemption (if applicable)
- Data collection instruments such as surveys, interview schedules, standardised instruments
- Participant information materials, consent/withdrawal of consent forms
- Blue card/s (scanned copy) for all researchers having direct contact with children and young people.

Note: If these documents are not yet available, please note in application and forward as soon as they become available.

Applying Aboriginal and Torres Strait Islander perspectives

As Aboriginal and Torres Strait Islander young people and families are overrepresented in the child safety system and the domestic and family violence space, all ethics applications for child safety and domestic and family violence focused projects must indicate that the project will likely include Aboriginal and Torres Strait Islander people. Ethics applications must demonstrate how Aboriginal and Torres Strait Islander perspectives and understanding has been considered and incorporated into project development and design.

Research involving Aboriginal and Torres Strait Islander participants must comply with the [Guidelines for Ethical Conduct in Aboriginal and Torres Strait Islander Health Research](#). For projects focused on the child safety system, it is critical that the proposal clearly outlines how the project and the project team will align with the Aboriginal and Torres Strait Islander [Child Placement Principle](#) and [best practice for implementing the Child Placement Principle](#).

Applying the Aboriginal and Torres Strait Islander Knowledge Lens to all research will strengthen projects. It is also recommended that researchers refer to the [Know Your Community](#) tool to inform their understanding of local issues for Aboriginal and Torres Strait Islander people across different communities in Queensland. Non-Indigenous researchers are strongly encouraged to undertake [Cultural Capability](#) training prior to undertaking research projects with DCYJMA clients, families, carers and staff.

Section 5: Project details

Select all relevant sections:

Section A	You are seeking to access departmental clients (past or present) as research participants	<input type="checkbox"/>
Section B	You are seeking to access departmental staff as research participants	<input type="checkbox"/>
Section C	You are seeking to access departmental data	<input type="checkbox"/>
Section D	You are seeking to access departmental in-kind resources	<input type="checkbox"/>
Section E	You are requesting funding from the department	<input type="checkbox"/>

Section A – Departmental clients (past or present) as research participants

Complete the table below to indicate which departmental **clients** are to be involved in the proposal and provide information relevant to recruitment and participation. Please complete all rows and use one column per client group type (if there is more than one type). A member of the department can discuss the most appropriate approach with you.

Departmental client group:	<insert client group 1>	<insert client group 2>
Number of clients	e.g. 40	Click here to enter text
Location(s) if known	e.g. Brisbane, Sunshine Coast and Cairns	Click here to enter text
Gender breakdown of client numbers	e.g. M=20; F=20	Click here to enter text
Ethnicity (if applicable)	e.g. non-Indigenous	Click here to enter text
Age range	e.g. 0-18 years	Click here to enter text
Length of time and frequency required	e.g. 5 sessions @ 1hr/session over 3 months	Click here to enter text
Nature of contact required	e.g. face to face interviews, observations, survey	Click here to enter text

Briefly explain the reason/s for including the client group(s) as participants and briefly justify the number of clients who will be involved and how you plan to recruit participants (100 words maximum).

Please add your response here

Section B – Departmental staff as research participants

Complete the table below to indicate which departmental **staff** are to be involved in the proposal.

Staff title/role:	<insert staff title 1>	<insert staff title 2>
Number of Departmental staff	e.g. 40	Click here to enter text
Location(s) if known	e.g. Brisbane, Sunshine Coast and Cairns	Click here to enter text

CADRE

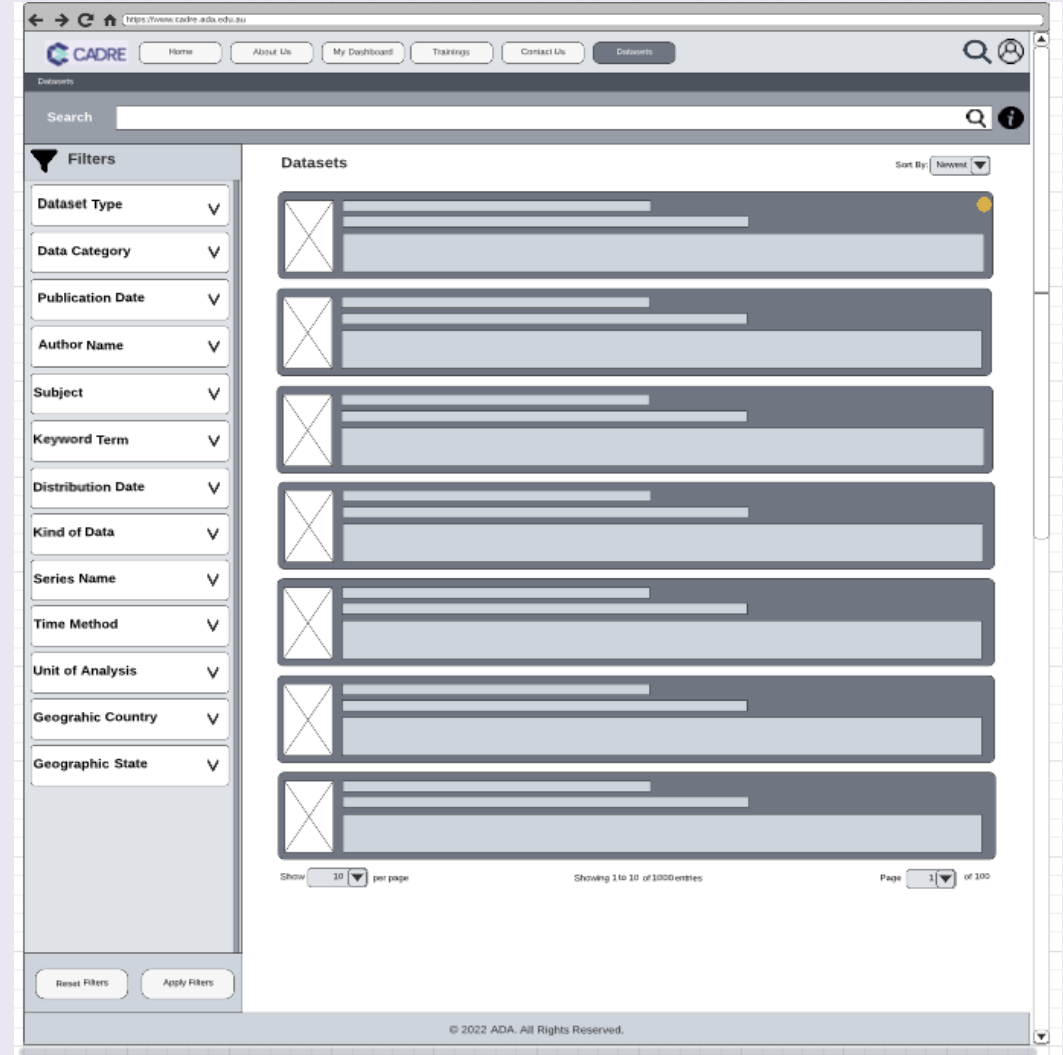
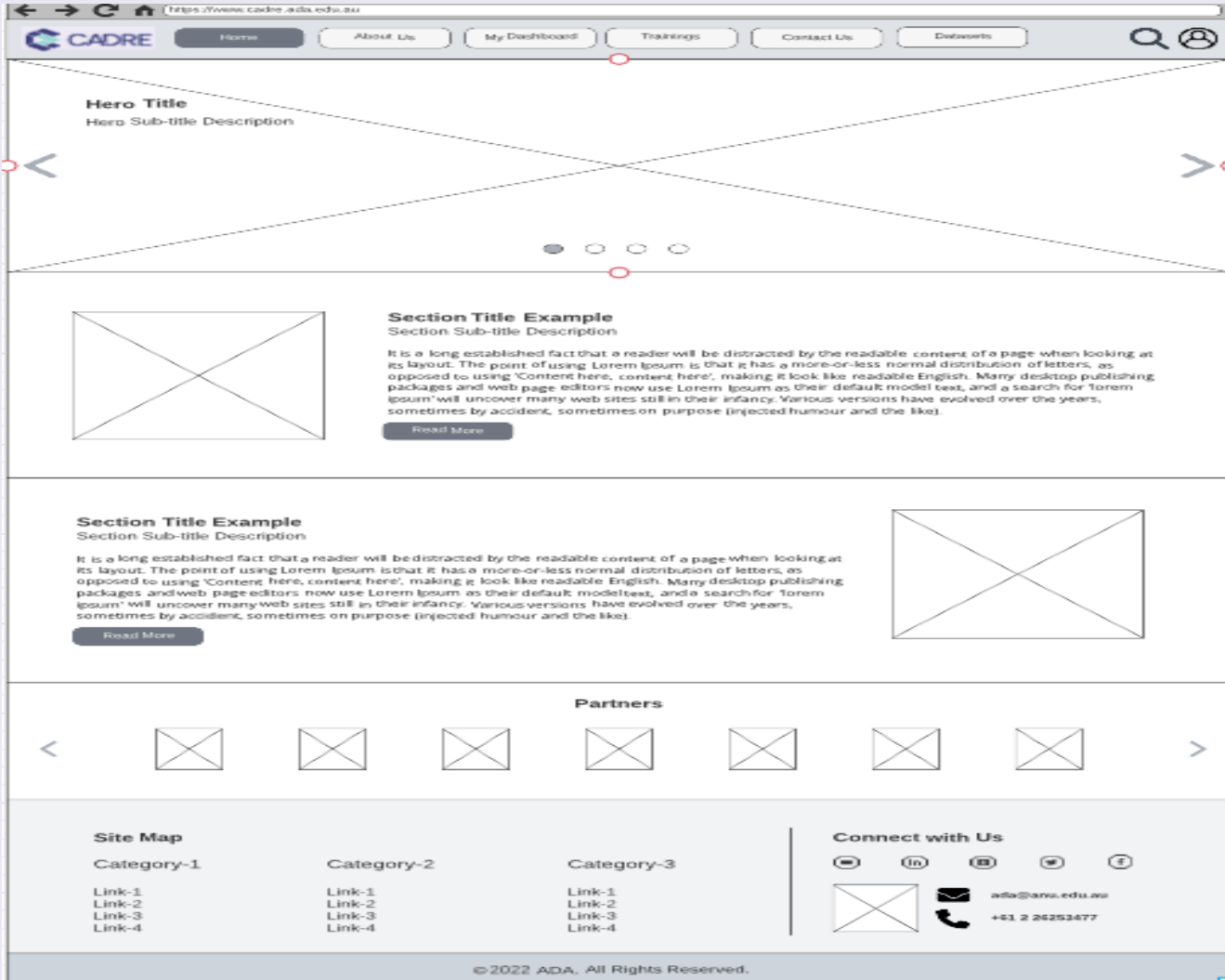
A SYSTEM TO	BY MEANS OF	IN ORDER TO
<p>Increase the speed at which social sciences and related disciplines get access to sensitive data.</p> <p>Decrease the risk, time and costs associated with providing access to data (for data holders) and accessing data (for researchers)</p>	<p>The development of a shared and distributed sensitive data management platform using the Five Safes framework and common accreditation and information exchange protocols.</p>	<p>Enable data owners and users to address the core concerns around governance, creation, management and sharing of sensitive data for research.</p> <p>Share and move sensitive data safely between higher education, national research and government facilities and services.</p>

CADRE

Data Application	Data Custodian	Access or Rejection
<p>Provide necessary information for evaluation. For example:</p> <ul style="list-style-type: none"> ❖ Credentials ❖ Project details ❖ Ethics approval ❖ Data Management Plan (DMP) 	<p>Evaluate all information</p> <p>Ask for any additional information*</p> <p>Approve or reject application</p> <p>Distribute data licencing agreement or deed poll (if applicable)</p>	<p>Access or rejection provided to applicant</p>

*CADRE aims to streamline decision making by providing all necessary information **once**, in a centralised cloud platform but there might be occasions where more info is requested.

Current Wireframes



Activities

- Work in your tables to complete two activities (time dependant)
 1. Activity – ABS matching. In your group decide which safe belongs to which application.
 2. Activity – Case study. In your group read the instructions for the case study. After reviewing the case study, choose 2 x safes and how you would apply them using the DSS Five Safes framework (questions).

ABS Matching Activity



Safe	Website or publication table (open data)	Basic microdata file (via direct download)	Detailed microdata file (via ABS Datalab)
Safe people	<p>No control necessary</p> <p>Anyone may view the data online</p>	<p>Some control</p> <p>Users must register to use the data and sign a Declaration of Use Breaches may be subject to sanctions and/ or legal proceedings</p>	<p>High control</p> <p>Users must undergo training, complete an authorisation process, sign legally binding confidentiality undertakings and a compliance declaration</p> <p>Breaches of protocols or disclosure of information may be subject to sanctions and/or legal proceedings</p>
Safe settings	<p>No control necessary</p>	<p>Some control</p> <p>Users are required to store the data securely and can work on the data in their own physical and IT environment</p>	<p>High control</p> <p>The Datalab a secure, closed environment, accessed virtually or on-site</p> <p>Secure login, auditing and monitoring capabilities</p> <p>Appropriate control</p>
Safe data	<p>Very high control</p> <p>The data is highly aggregated</p>	<p>High control</p> <p>The data is treated by ABS to ensure no individual is likely to be identified</p>	<p>Appropriate control</p> <p>Direct identifiers are removed and the data is further treated where appropriate. Appropriate control of the data optimises its usefulness for statistical and research purposes.</p>
Safe Projects	<p>No control necessary</p> <p>Anyone can use the data for their own purposes</p>	<p>Some control</p> <p>Users sign a declaration regarding the purpose for which they will use the data</p>	<p>High control</p> <p>Users must detail the purpose for which they will use the data</p> <p>Purpose can be compared to what is actually produced</p>
Safe outputs	<p>Very high control</p> <p>Every table is checked for disclosure before release</p>	<p>Some control</p> <p>The output is technically controlled by the user, but the ABS provides guidelines or rules about what may be published or shared</p>	<p>High control</p> <p>All statistical outputs are assessed by the ABS for disclosure before being released to the user. The outputs may also be compared for consistency with the original project proposal.</p>

Five Safes Training Module

E-mail : projects.ada@anu.edu.au Log in

 CADRE Home



CADRE

Welcome to the CADRE Learning site!

Courses include: [Five Safes](#)

Available courses



CADRE - Five Safes for Sensitive Data Management
Introduction to the Five Safes (plus 2) framework and how it can assist in ensuring [safe data](#) management.

Teacher: [Yolante Jones](#)

Additional module in development: Roles and Responsibilities for RDM

**Development of Facilitator Guide
For Five Safes Training to be
Adopted within your own Org's**

Questions?

Thank You

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