

National Scientific Repository



Directorate of Repositories, Multimedia, and Scientific Publishing (RMPI) - BRIN 

Jakarta, 19th September 2023

REGULATIONS

Indonesian Law No. 11/2019 Article 40

Regulating mandatory deposit of primary data and research outputs of research, development, assessment, and application activities for funders, science & technology human resources, and science & technology institutions

BRIN Regulation No. 18/2022

Regulates in details on mandatory deposits, the main points to be revised are:

- Expanding the scope of mandatory deposit to a National scope through data back-up services in RIN
- More details on data security assurance, period for mandatory deposit, RIN utilization, annual RIN forums, etc
- Collaboration/coordination with other ministries/institutions in managing the output of research results

Draft of Government Regulation of the Republic of Indonesia about Implementation of Science and Technology (on-going)

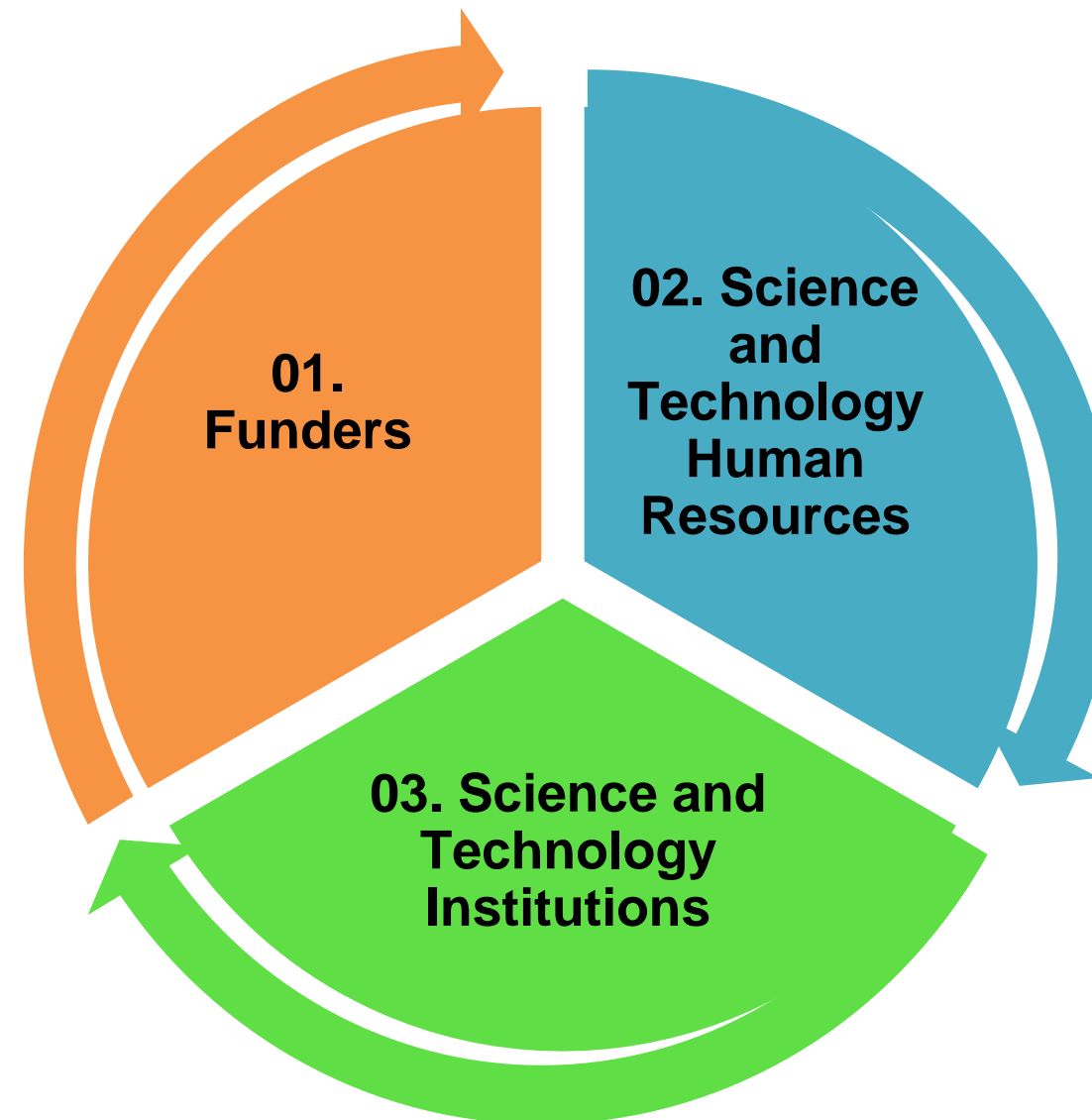
BRIN Regulation No. 22/2022 on Research Ethics Clearance



Data Entities

01

- Ensuring the mandatory deposit of primary data and the output of research results conducted by Science and Technology Institutions and/ or Science and Technology Human Resources through monitoring and evaluation requirements
- Tools: Data Management Planning in the proposal, primary data deposit to RIN through monitoring and evaluation



02

- Conducting the primary data deposit as mandated by Law No. 11/2019 and BRIN Regulation No. 18/2022
- Ensuring FAIR data
- Tools: Research Data Management
- Ensuring data access and data licenses

03

- Providing the infrastructure for mandatory deposit dan research data management
- Managing data and research outputs
- Providing open access to metadata available in RIN

Personal data

E.g. Individual citizen health records



Agency access – for service delivery

Research data

E.g. De-identified, linked health & welfare records



Restricted sharing – de-identified data securely shared with trusted users for research

Open data

E.g. Aggregated or non-sensitive data such as Centrelink office locations



Publicly available – e.g. through data.gov.au or the ABS Table-builder

Security data

E.g. Metadata collected for intelligence



Closed access – not in scope



BRIN Repositories

According to Indonesian Law 11/ 2019, BRIN has two kinds of repositories used to manage primary data and research outputs

Publication Repository

<https://karya.brin.go.id/>



- Uses E-prints platform
- Contains publications/ research outputs including book, research report/grey literature or other types of scientific publications
- Used since 2022.

National Scientific

Repository

<https://data.brin.go.id/>



- Uses Dataverse platform from IQSS-Harvard University.
- Contains raw data produced by research activities in various file formats.
- Uses specific metadata adjusted to a particular discipline
 - Used since 2018.

Content Policies in RIN

● Data Types

Notes, graphs, tables, maps, pictures, videos, audio/visual recordings, transcripts or codes.

● Data Format

- ❑ **Statistics** (SAS, SPSS, Stata, XML, xls, csv, etc)
- ❑ **Non-statistics**(Textual, digital audio, spatial (*.shp, etc), 3D, drawing and digital video data, PDF, Word, etc)
- ❑ If RIN could not open the data, please provide the information about application and version details

● Kuota and Size

No quota limitation, size upload max **18 GB/file**

● Status Data

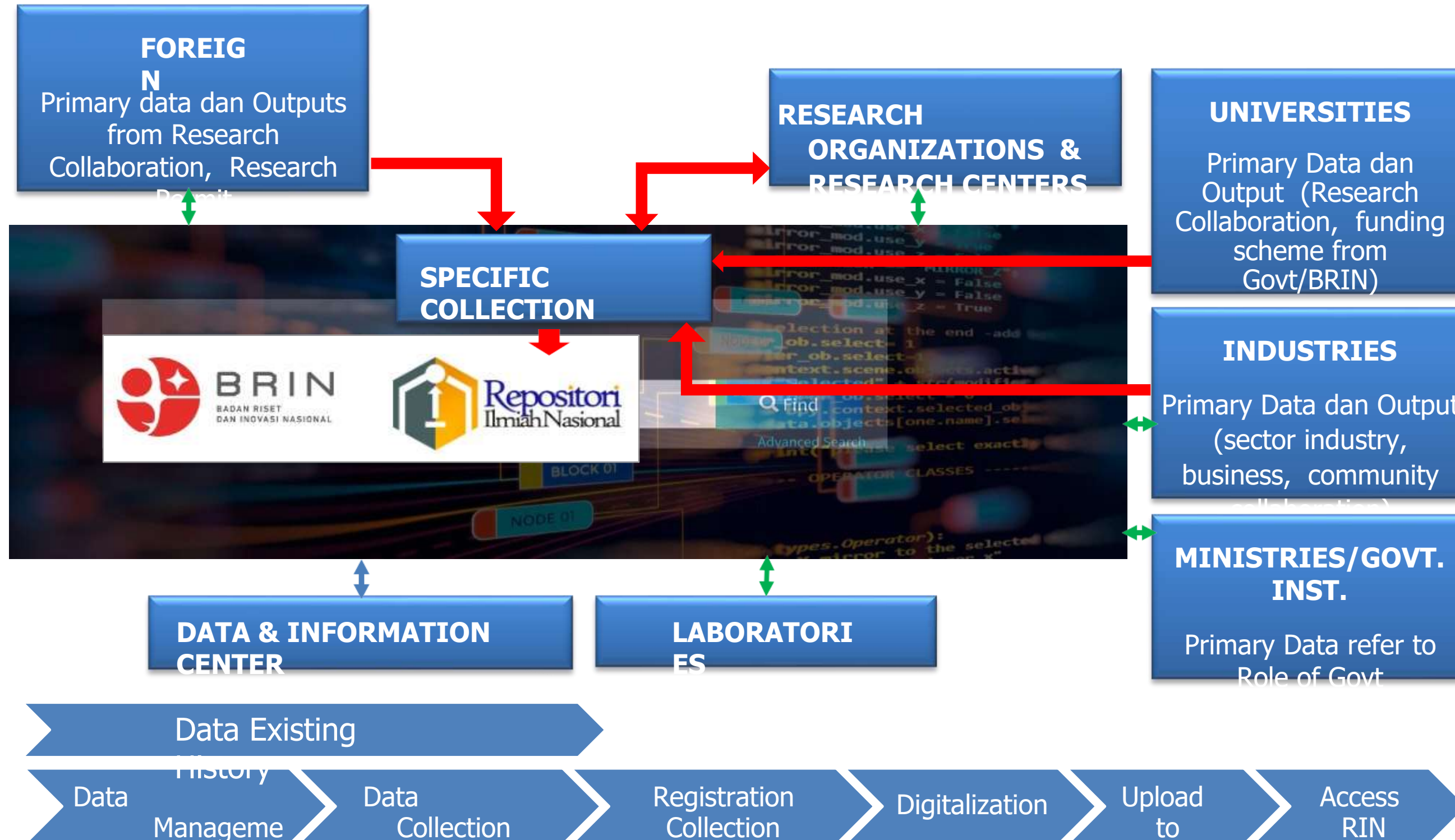
- ❑ **During research**: data collected when research is on-going
- ❑ **Post research**: data collected when research is finished

● Secondary Data

Can be uploaded as long as following the sources' data license and data sources are acknowledged



Mandatory Deposit of Research Data → National Scientific Repository



Repository Access Policy

	Hak Akses				
	Dataverse	Dataset	Files	Owner	Search
Open	✓	✓	✓	✓	✓
Moderate	✓	✓	✗	✓	✓
Close	✗	✗	✗	✓	✗

Strategies 2023/2024

1. Increasing collaboration with various internal and external BRIN (as back up service), especially those that manage related information systems and research data repositories, integration with funding and research permit scheme.
2. RIN integration with various information systems and data repositories via API.
3. Collaboration with various professional organizations to help introducing RIN and RDM in universities, also collaboration with other organizations and communities to build the culture of RDM in Indonesia.
4. Conducting massive RIN socialization both internal and external BRIN as well as for mandatory deposit campaign as it is mandated in the regulation.
5. Working with biodiversity systems to store specimens digitally, in both 2D and



Legal Aspects in RIN

1. The contents of the dataset stored in RIN do not violate any copyrights. If it contains material that is protected by a copyright of a third party, the data depositor/owner must have obtained permission from the rights holder or their representative (including commercial or academic partners in the research project);
2. Datasets whose content is associated to personal data, state security and endangered species, the owner is obliged to close the access to the dataset.
3. Users who store data that does not belong to them or do not have any permission to store it in RIN will be processed according to applicable laws.
4. The dataset is sponsored or subsidized by any institution or organization, the data owner has fulfilled all obligations to that institution or organization related to the publications;
5. Sensitive data handling:
 - a. The assessment of data sensitivity is handed over to the researcher or data owner and ethics in the related scientific field. However, if the data curator is in doubt regarding the contents of the data, the curator can contact the depositor or data owner.
 - b. Data can be considered sensitive because it relates to the following:
 - Data related to national defense and security;
 - Indonesia's natural diversity, such as location data (longitude and latitude) of endangered species and the location of mineral and gas natural resources;
 - Data that can refer to a person's identity;
 - Data relating to personal conditions, such as a person's health records (must be anonymized).
 - Data on state relations with other countries



Data Security in RIN

RIN Features:

- Data files can be restricted by locking each file/ digital object
- There is an account access limitation to dataverse/dataset/files (certain RIN account must be invited first for access to the files)
- RIN provides a Guestbook feature, for users who will access the restricted data
- For data reuse purposes, RIN uses Creative Commons license for the data licensing

RIN system:

- Regular data backup (1x24 hours)
- BRIN also provides a Disaster Recovery Center
- Each digital object is automatically encrypted 128kb
- Each digital object is generated with a persistent identifier, and RIN uses Handle as a PID (Persistent Identifier)



Dissemination

Creative Commons License

Term of Use

Term of Access

Open/Moderate/Close

● Data owner needs to choose a license to determine the Term of Use and Term of Access.

Recommended license :CC-BY-NC-SA.






















































● License is used as a condition about using and accessing data that needs to be followed by the party using the data.

Creative Commons Licenses explained, at a glance.

-  You can redistribute (copy, publish, display, communicate, etc.) the works.
-  You have to attribute the original work (title of work, creators name, link, CC license).
-  You can use the work commercially.
-  You can modify and adapt the original work. Provided you indicate how you changed it.
-  You can choose any license for your adaptations of the work.

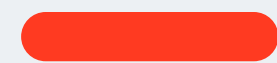
* Intellectual property rights have expired, have been forfeited, or are inapplicable (e.g. works of Shakespeare, Beethoven, etc.)

Disclaimer: This document by its nature cannot be comprehensive and is provided to assist clients to clarify and identify legal issues on which they should seek legal advice. Please consult professional legal staff for advice specific to your situation.

						
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Directorate of Repository, Multimedia and Scientific Publisher
National Research and Innovation Agency



Thank you!

Contact us if there are any questions.



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