

An Online Permit and Monitoring System: Schematics

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A Single System: The Concept

A single electronic permit system that makes it easy to apply for permits and for government authorities to review and approve applications, monitor compliance and report on the access, benefit-sharing, compliance and reporting provisions of the Nagoya Protocol.

Electronic Permit System: Core Components

1. Authorities

6. Core System

2. Applicants

6.1 Online Front Page

3. Legal

6.2 Backups

4. Monitoring

6.3 Physical Archive

5. Reporting

6.4 Mobile access

Permit Authorities

1. Authorities Portal

1.1. Enquiries

1.2. Review

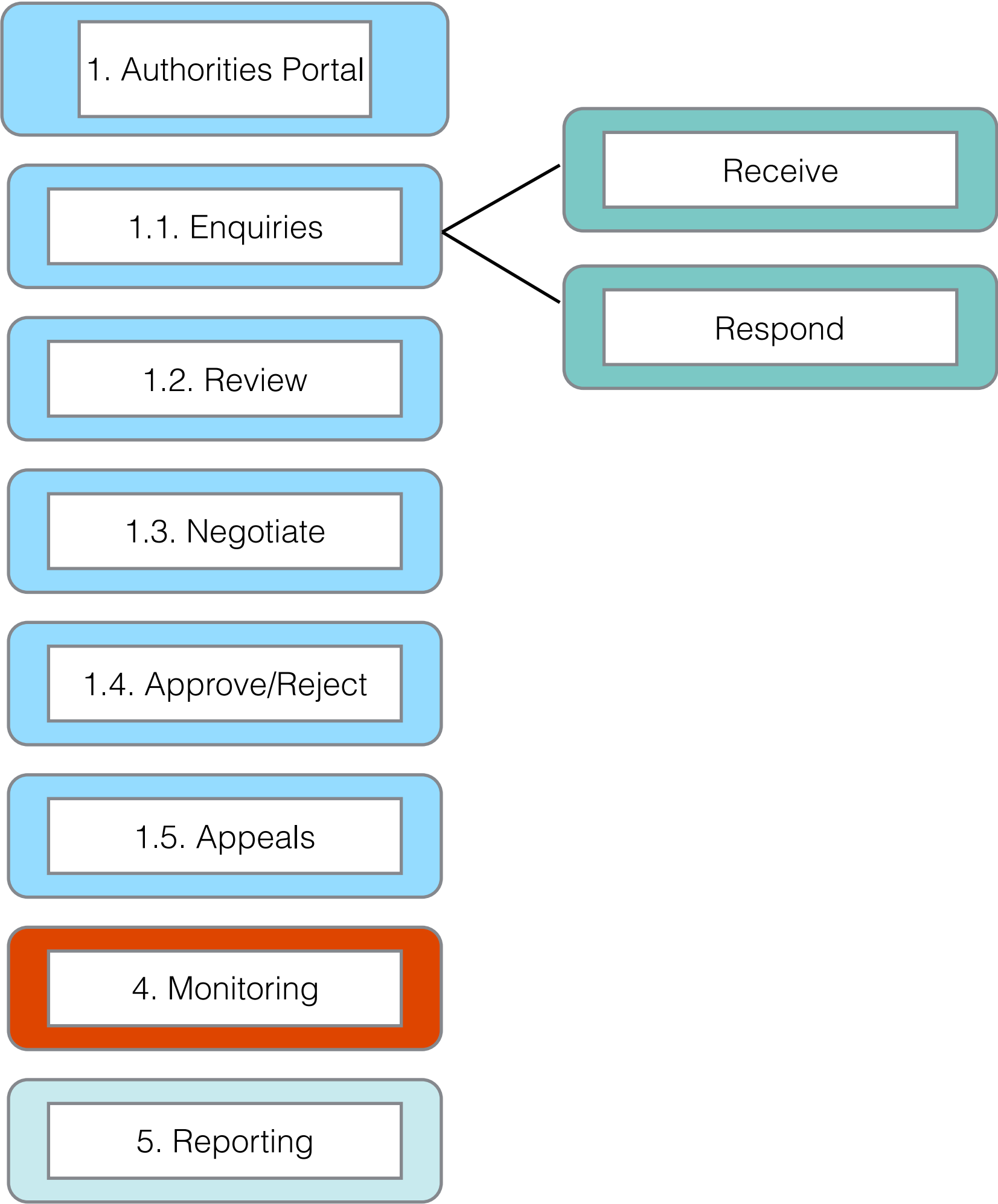
1.3. Negotiate

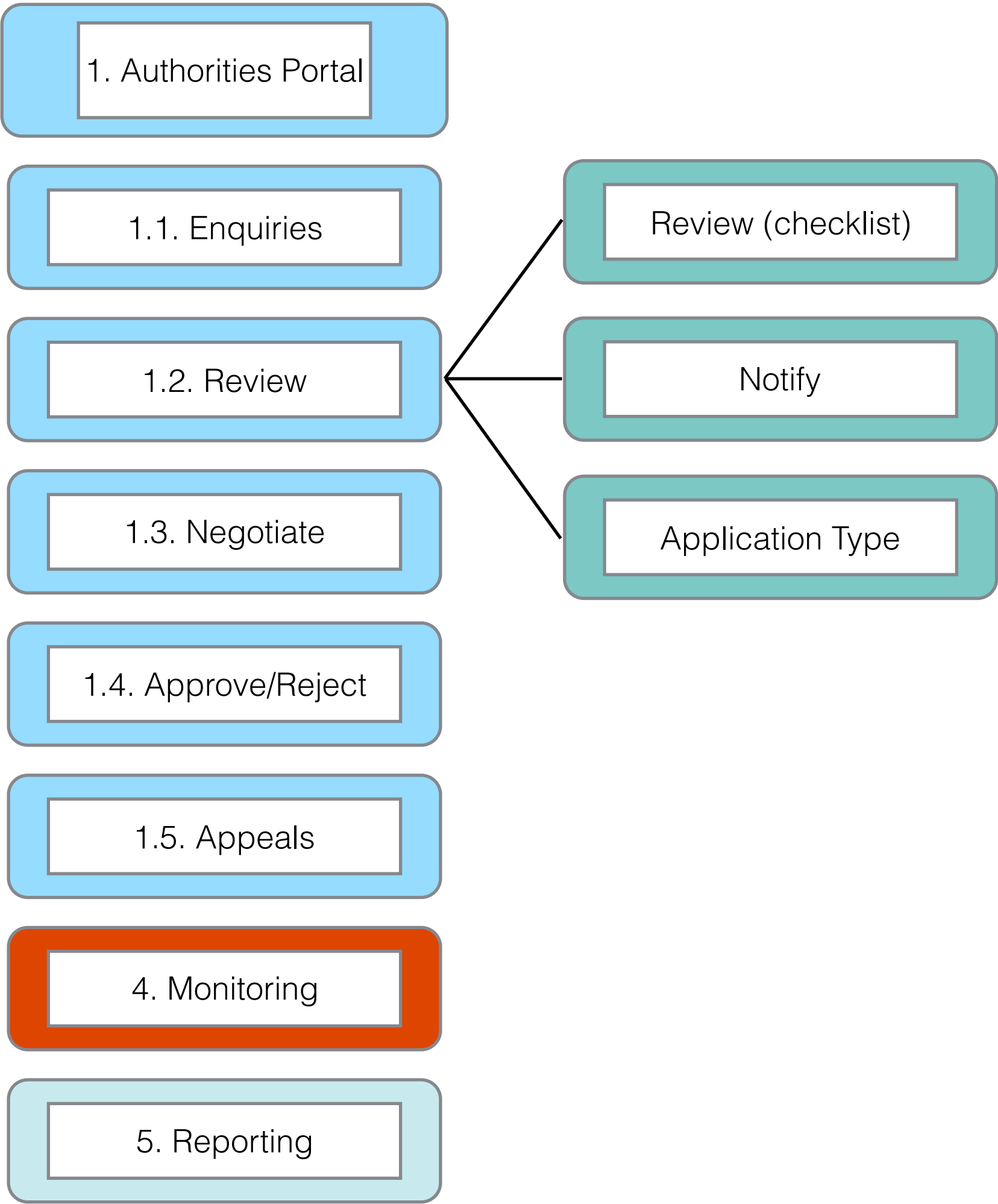
1.4. Approve/Reject

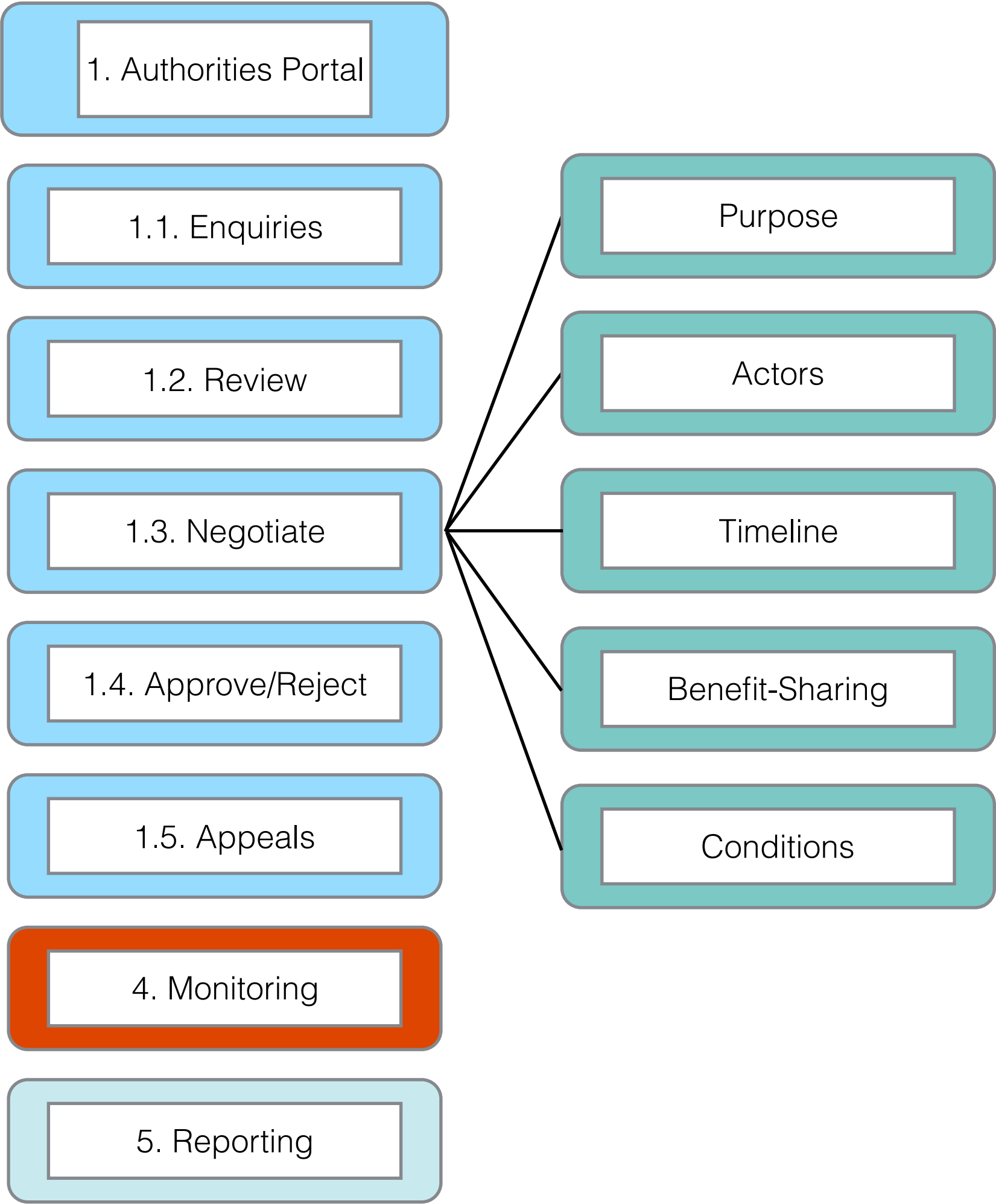
1.5. Appeals

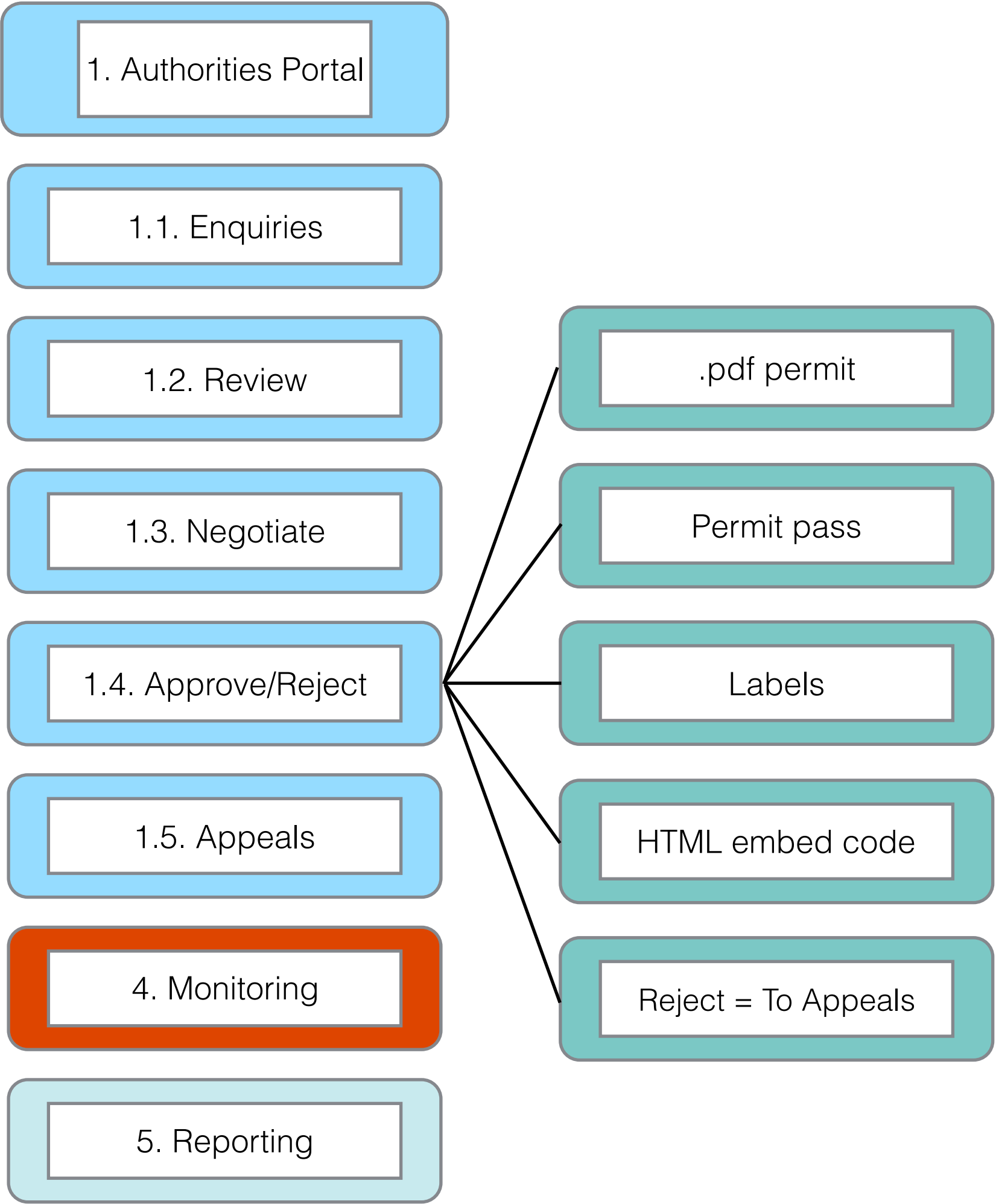
4. Monitoring

5. Reporting









1. Authorities Portal

1.1. Enquiries

1.2. Review

1.3. Negotiate

1.4. Approve/Reject

1.5. Appeals

4. Monitoring

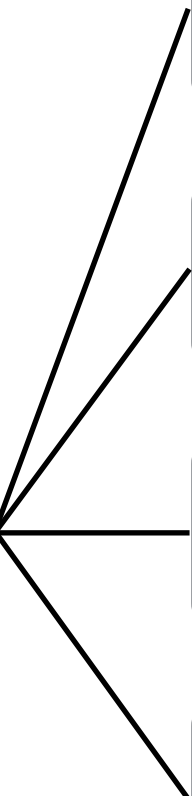
5. Reporting

Guidance

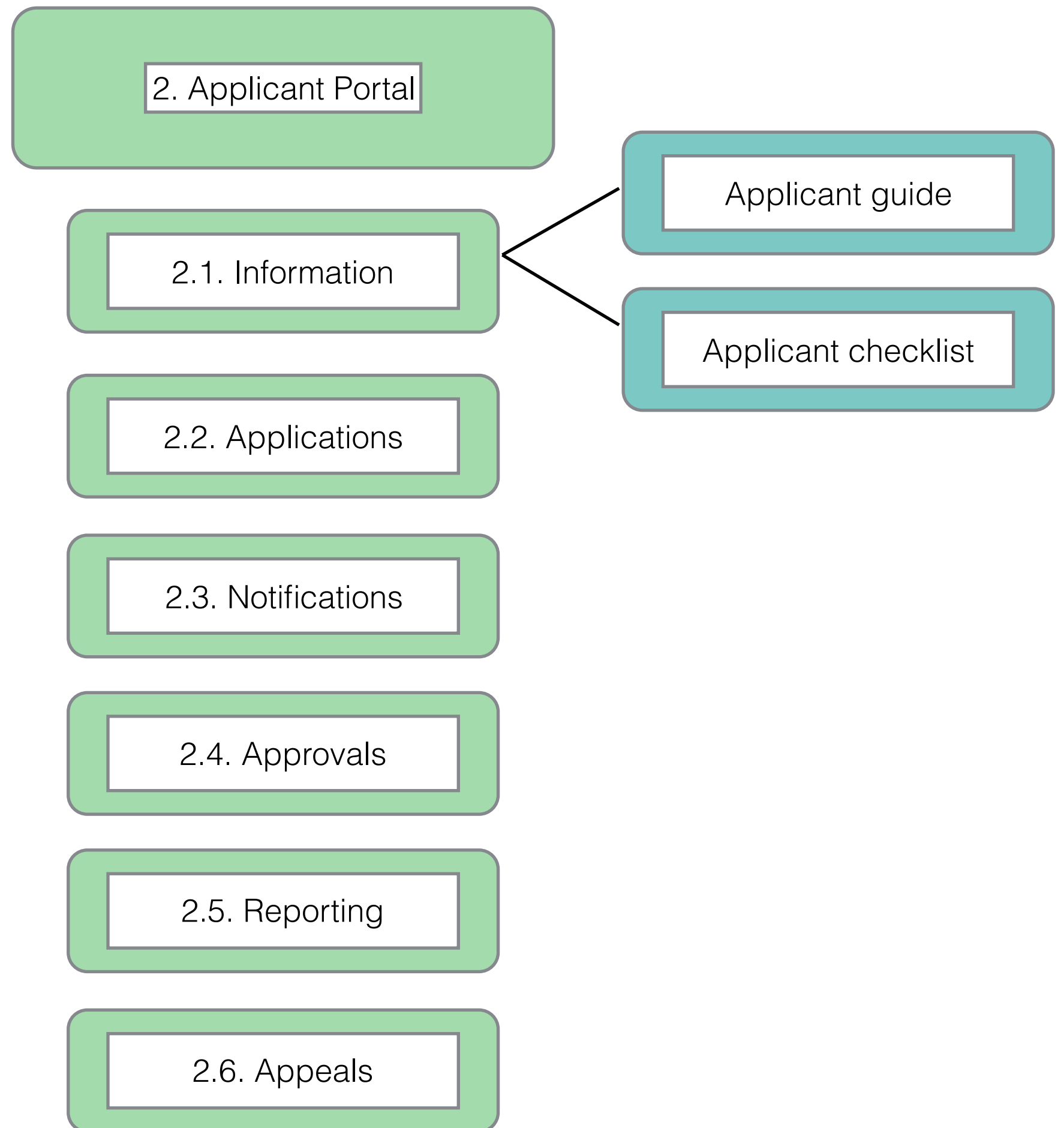
Timeline

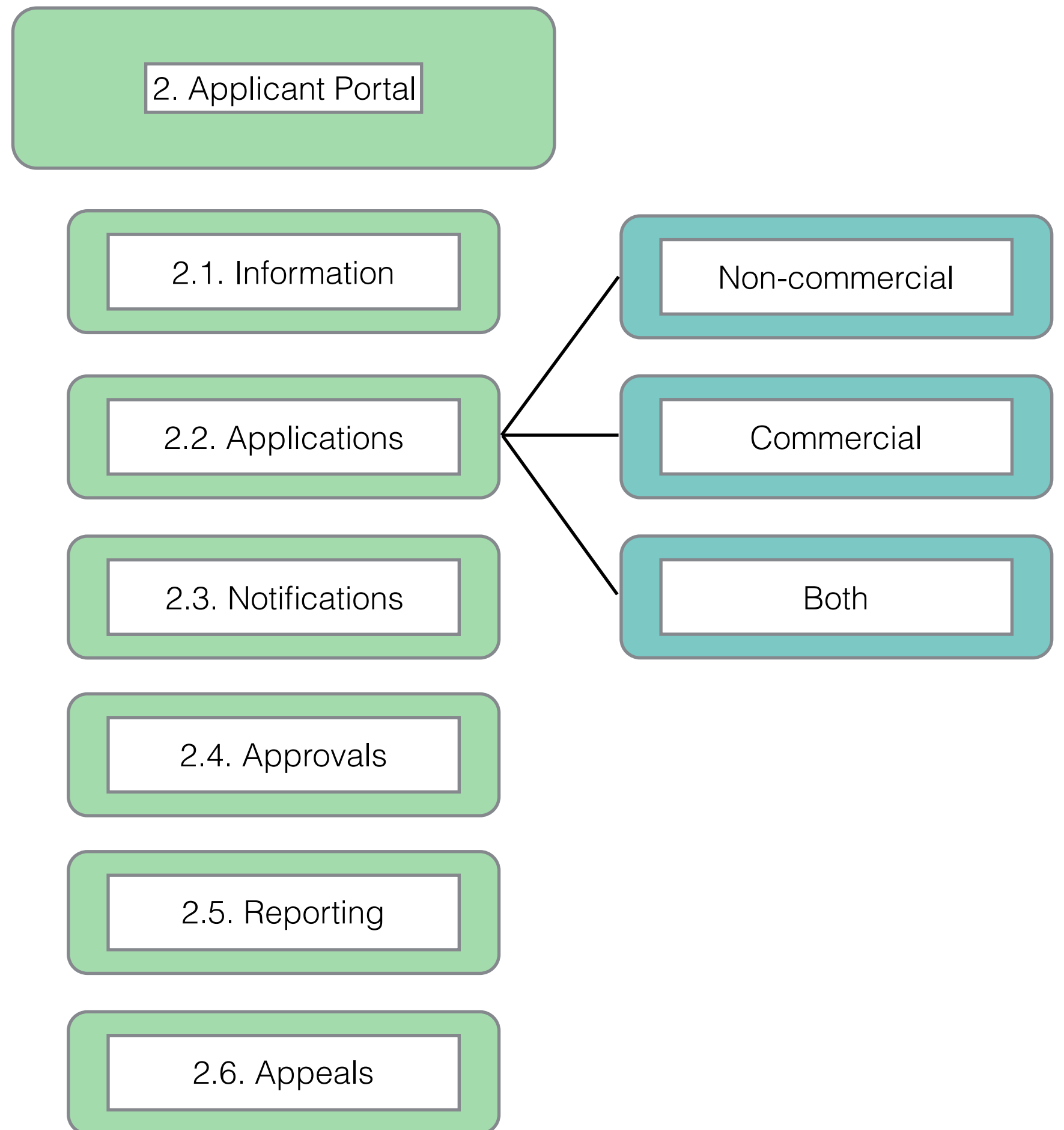
Notifications

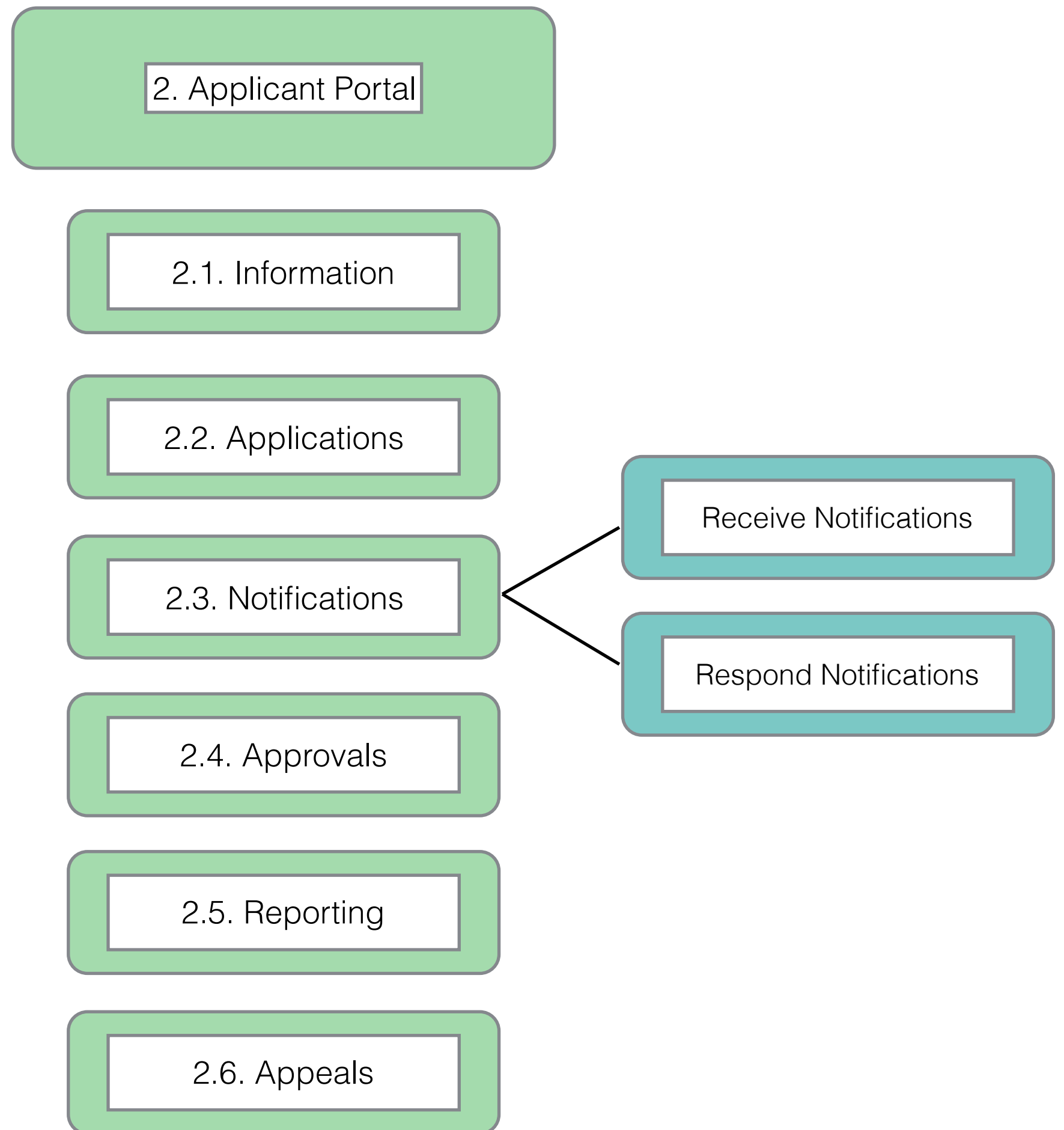
Final Decision

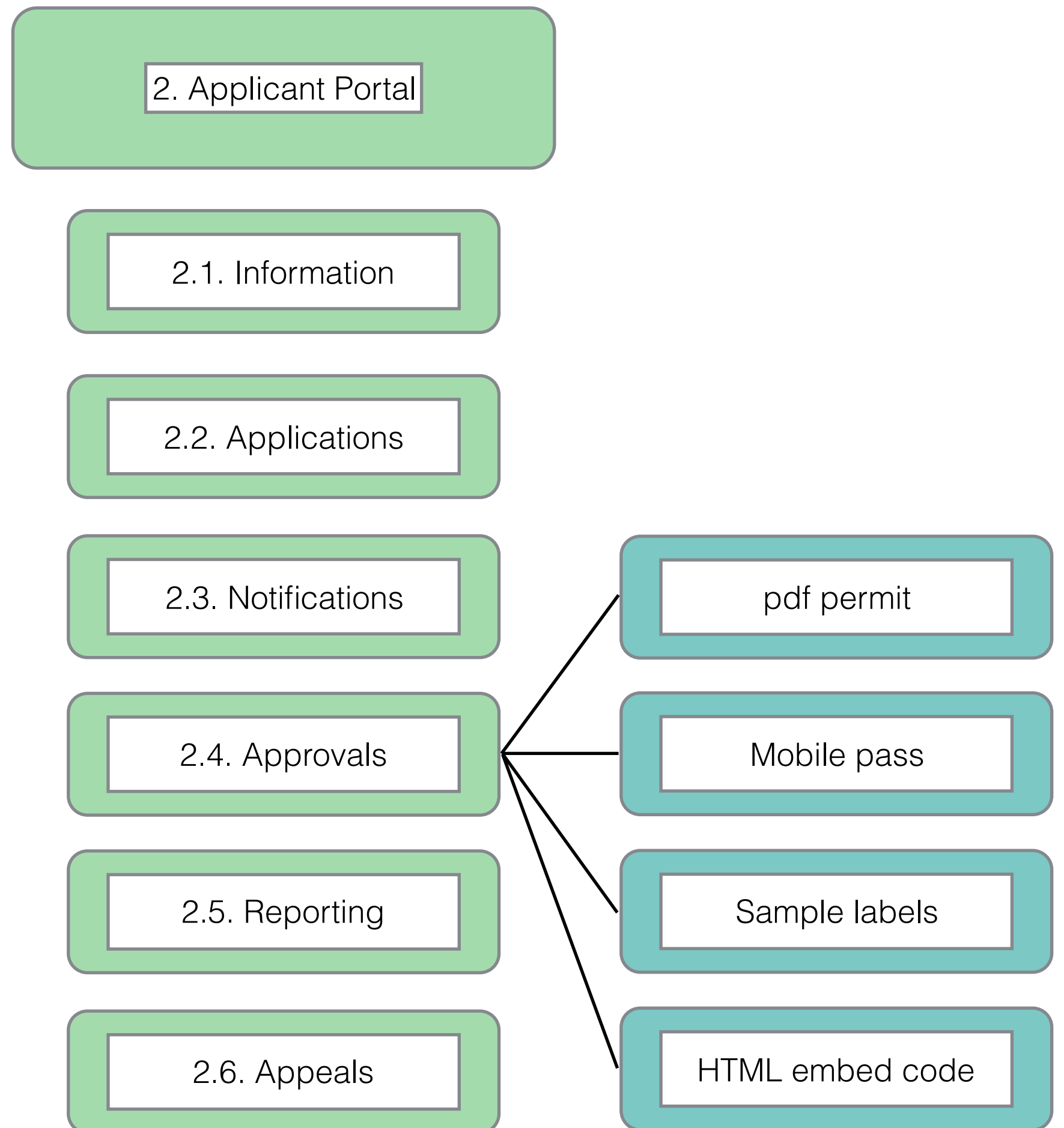


Applicants









2. Applicant Portal

2.1. Information

2.2. Applications

2.3. Notifications

2.4. Approvals

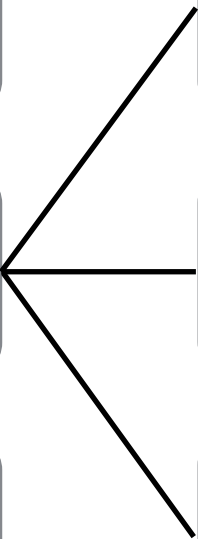
2.5. Reporting

2.6. Appeals

Publications

Patents

Products



2. Applicant Portal

2.1. Information

2.2. Applications

2.3. Notifications

2.4. Approvals

2.5. Reporting

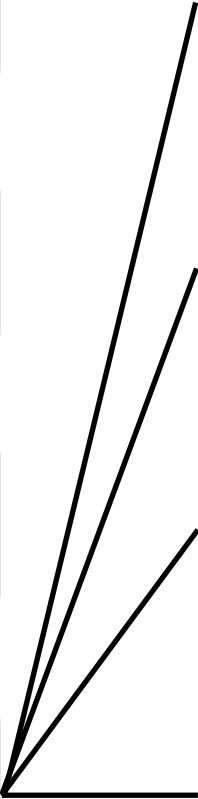
2.6. Appeals

Guidance

Timeline

Notifications

Final Decision



Monitoring

Concept

A cost effective monitoring system for scientific publications, patents and products arising from research and development involving genetic resources and/or traditional knowledge in support of implementation of Article 17 of the Nagoya Protocol and national reporting under Article 29.

4. Monitoring

4.1. Publications

4.2. Patents

4.3. Products

4.4. Other

4.5. Data Analysis

4.6. Data Archive

Applicant reports

Search Queries

DOI publication references

Sequence data
unique_id (BS20151234)

retrieve HTML embed codes

Acknowledgements
unique_id (BS20151234)

Academic social media
([researchgate.com](https://www.researchgate.com) etc.)

Author name queries

geonames place name queries

4. Monitoring

4.1. Publications

4.2. Patents

4.3. Products

4.4. Other

4.5. Data Analysis

4.6. Data Archive

Applicant reports

Applicant discloses

Search Queries

Patent Publication Number

Disclosure statement identifier
(BS20151234)

unique identifier (BS20151234)

Author/Inventor name queries

Applicant Organisation Queries

Species name queries

geonames place name queries

4. Monitoring

4.1. Publications

4.2. Patents

4.3. Products

4.4. Other

4.5. Data Analysis

4.6. Data Archive

Applicant reports

Search Queries

Product Approval/Registration

Clinical Trial

unique identifier (BS20151234)

Google API searches

Company Report Searches

Species name queries

4. Monitoring

4.1. Publications

4.2. Patents

4.3. Products

4.4. Other

4.5. Data Analysis

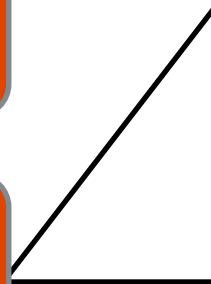
4.6. Data Archive

Applicant reports

Search Queries

Other Activity

Google API Searches



Data Analysis (sub-component)

4.5. Data Analysis

1. Gather Data

2. Clean Data

3. Analyse

4. Visualise

5. Report

4.6. Data Archive

Applicant Reports

Query Data



4.5. Data Analysis

1. Gather Data

2. Clean Data

3. Analyse

4. Visualise

5. Report

4.6. Data Archive

Standardise

Tidy Data

4.5. Data Analysis

1. Gather Data

2. Clean Data

3. Analyse

4. Visualise

5. Report

4.6. Data Archive

Text Mine

Statistics



4.5. Data Analysis

1. Gather Data

2. Clean Data

3. Analyse

4. Visualise

5. Report

4.6. Data Archive

Graphs

Networks

Maps



4.5. Data Analysis

1. Gather Data

2. Clean Data

3. Analyse

4. Visualise

5. Report

4.6. Data Archive

Audiences

Reporting

5. Reporting

5.1. Nagoya Protocol

National Reports

5.2. ABS CHM

Compliance Committee

5.3. Plant Treaty

5.4. Other Treaties

5.5. Other Processes

4.6. Data Archive

5. Reporting

5.1. Nagoya Protocol

5.2. ABS CHM

Categories

5.3. Plant Treaty

As Required

5.4. Other Treaties

As Required

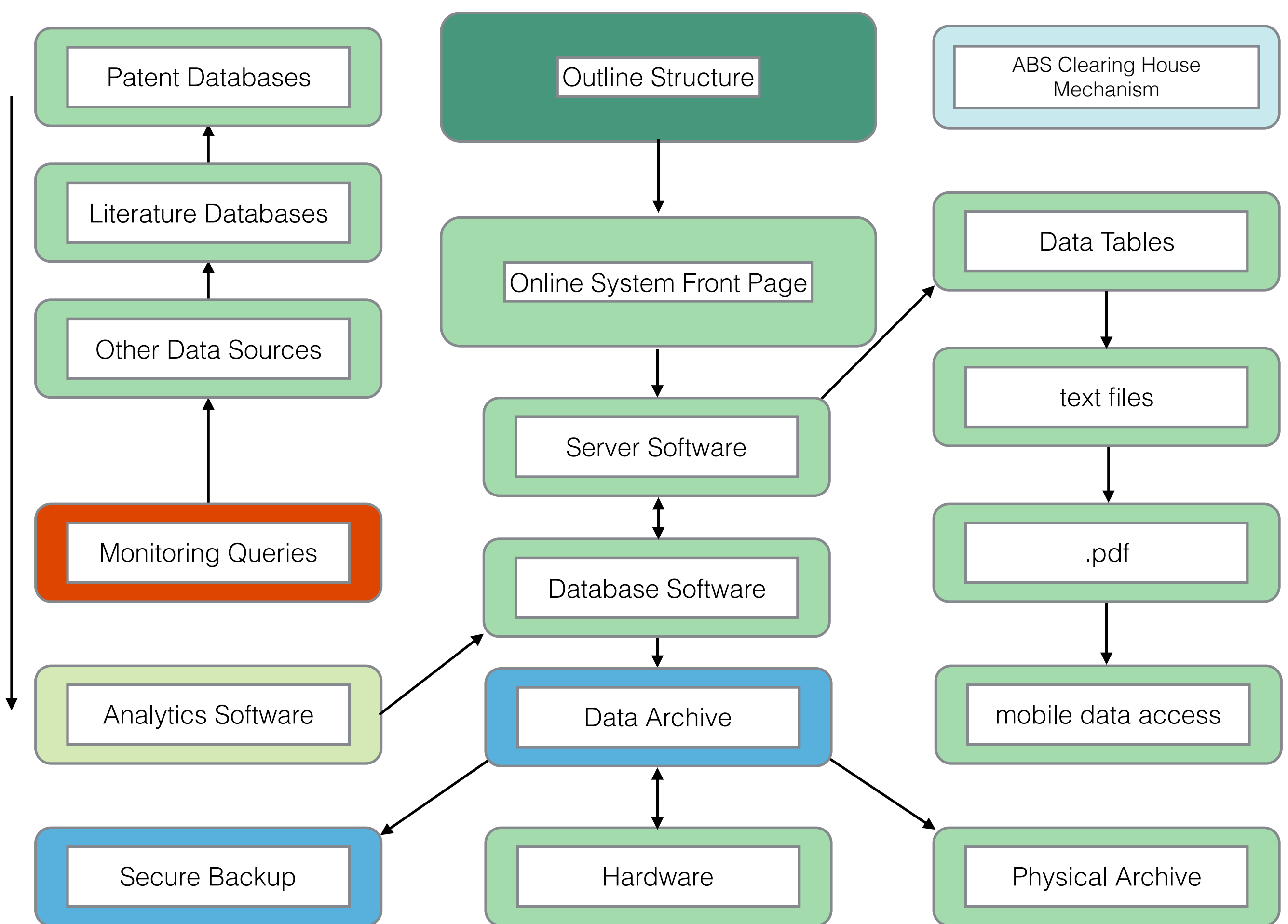
5.5. Other Processes

As Required

4.6. Data Archive



Outline Structure (draft)



Resources

Patent Databases

Resources Needed

Human Resources

Literature Databases

Server Software

Programmer(s)

Other Data Sources

Computers

Trainers

Analytics Software

Hard Drives

Maintenance/Curation

VantagePoint

Database software

Tableau

.pdf creator software

Other Software

QR writer & Reader

Barcode writer/reader