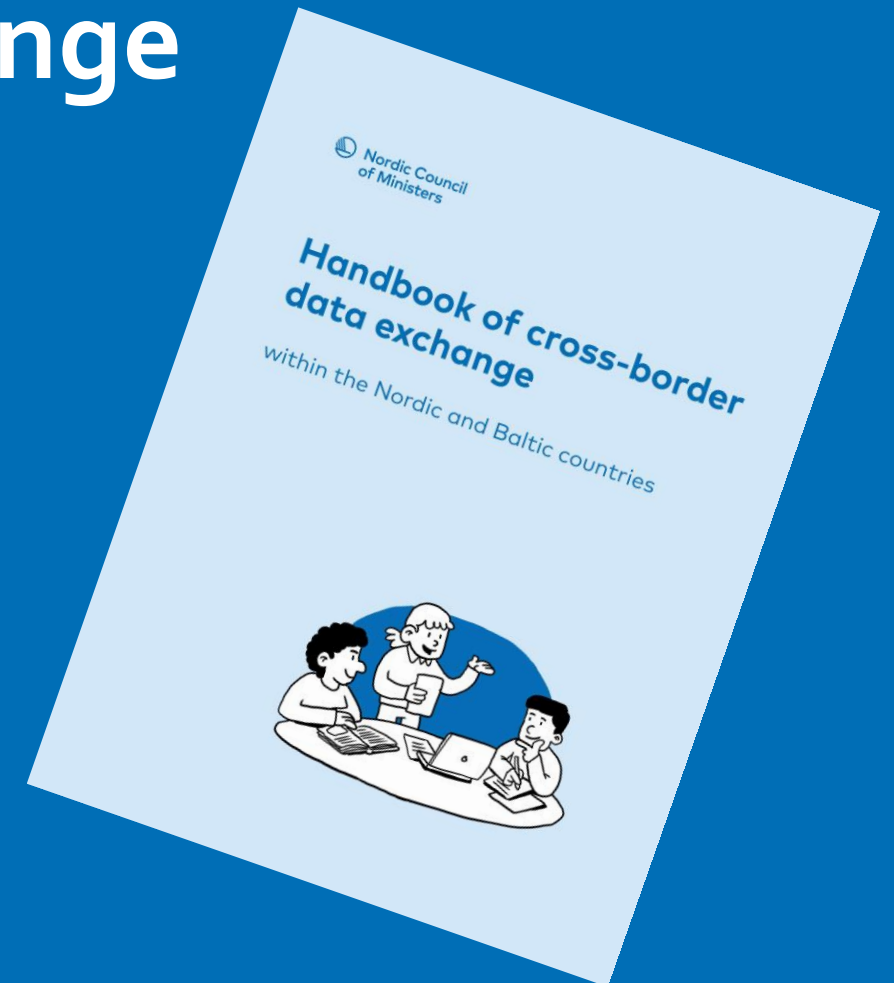


Cross-Border Digital Services Seminar Workshop for handbook of cross-border data exchange of educational credentials

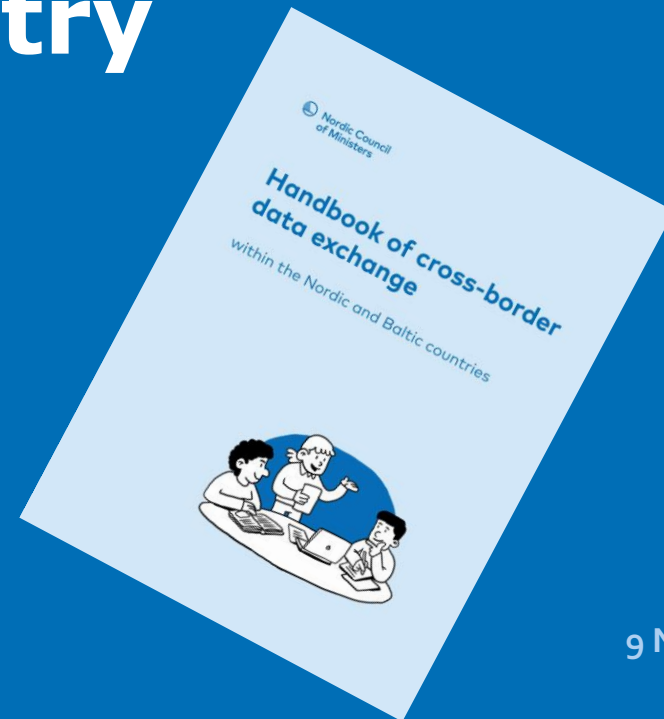
9 November 2023



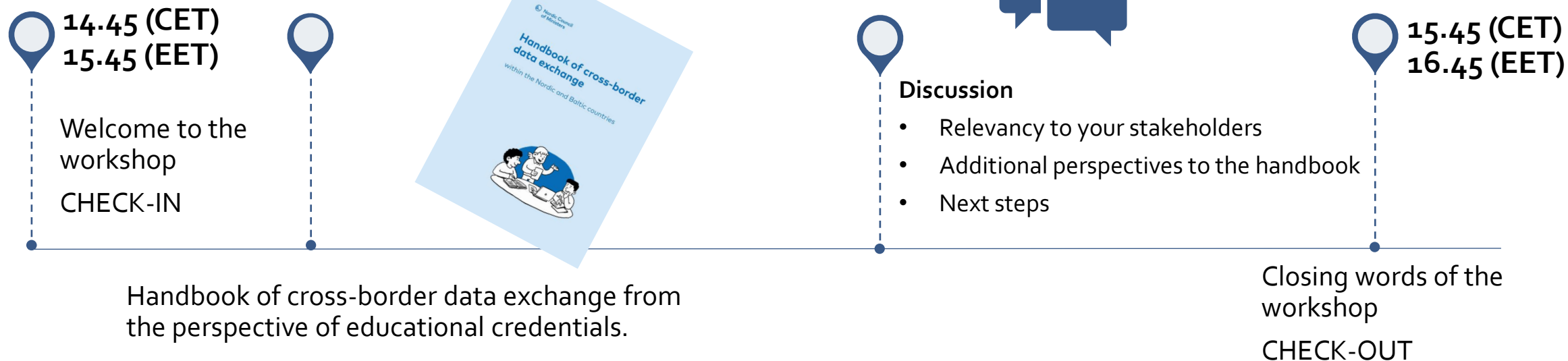
Welcome to WORKSHOP

WP1: Studying in another Nordic-Baltic Country (CBDS-Study)

9 November 2023



Agenda 9 November 2023



Workshop Goals

- Get an overview on the handbook of cross-border data exchange
- Share insights on educational credential exchange in the Nordic-Baltic and EU context
- Strengthen the Nordic-Baltic network



Introducing the handbook of cross-border data exchange



How the North can become a pioneer in information interoperability?

- How to facilitate a daily life of the people who move and travel from one country to another?
- How to make digital services work in all Nordic and Baltic countries?
- How to design digital services that are "cross-border by default"?

<https://pub.norden.org/temanord2023-542>

Find the tips and best practices from the new

Handbook of cross-border data exchange within the Nordic and Baltic countries



Handbook of cross-border data exchange within the Nordic and Baltic countries

[About this publication](#)
[PDF](#)

Preface by the Finnish HNG-Digital member Jarkko Levasma

1. Introduction

- 1.1 Why this handbook
- 1.2 The structure of this handbook
- References

2. The ballpark and the key players

- 2.1 Standards and frameworks
- 2.2 Potential funding mechanisms
- 2.3 Artificial Intelligence (AI) in public cross-border services
- References

3. Findings of work package 1: Studying in another Nordic or Baltic country

- 3.1 Supporting student mobility and digital services for studying abroad
- 3.2 European standards and frameworks of educational data
- 3.3 Networks and stakeholders
- 3.4 Case examples of the exchange of educational credentials and interoperability in practice
- 3.5 Key take-aways
- References

4. Findings of work package 2: Use of health services in another Nordic or Baltic country

- 4.1 The importance of cross-border exchange of health data
- 4.2. Frameworks, initiatives, and standards
- 4.3. Networks and stakeholders
- 4.3. Networks and stakeholders
- 4.4 Case examples of exchange of healthcare data
- 4.5 Key take-aways
- References

5. Findings of work package 3: Versatile use of the Nordic and Baltic legal databases

- 5.1 Legal information in machine-readable format
- 5.2 Standards and frameworks
- 5.3 Networks and stakeholders
- 5.4 Legislative info portals
- 5.5 Proof-of-concept of the joint search interface for Nordic and Baltic legislative databases
- 5.6. Key take-aways
- References

3. Findings of work package 1: Studying in another Nordic or Baltic country

- 3.1 Supporting student mobility and digital services for studying abroad
- 3.2 European standards and frameworks of educational data
- 3.3 Networks and stakeholders
- 3.4 Case examples of the exchange of educational credentials and interoperability in practice
- 3.5 Key take-aways
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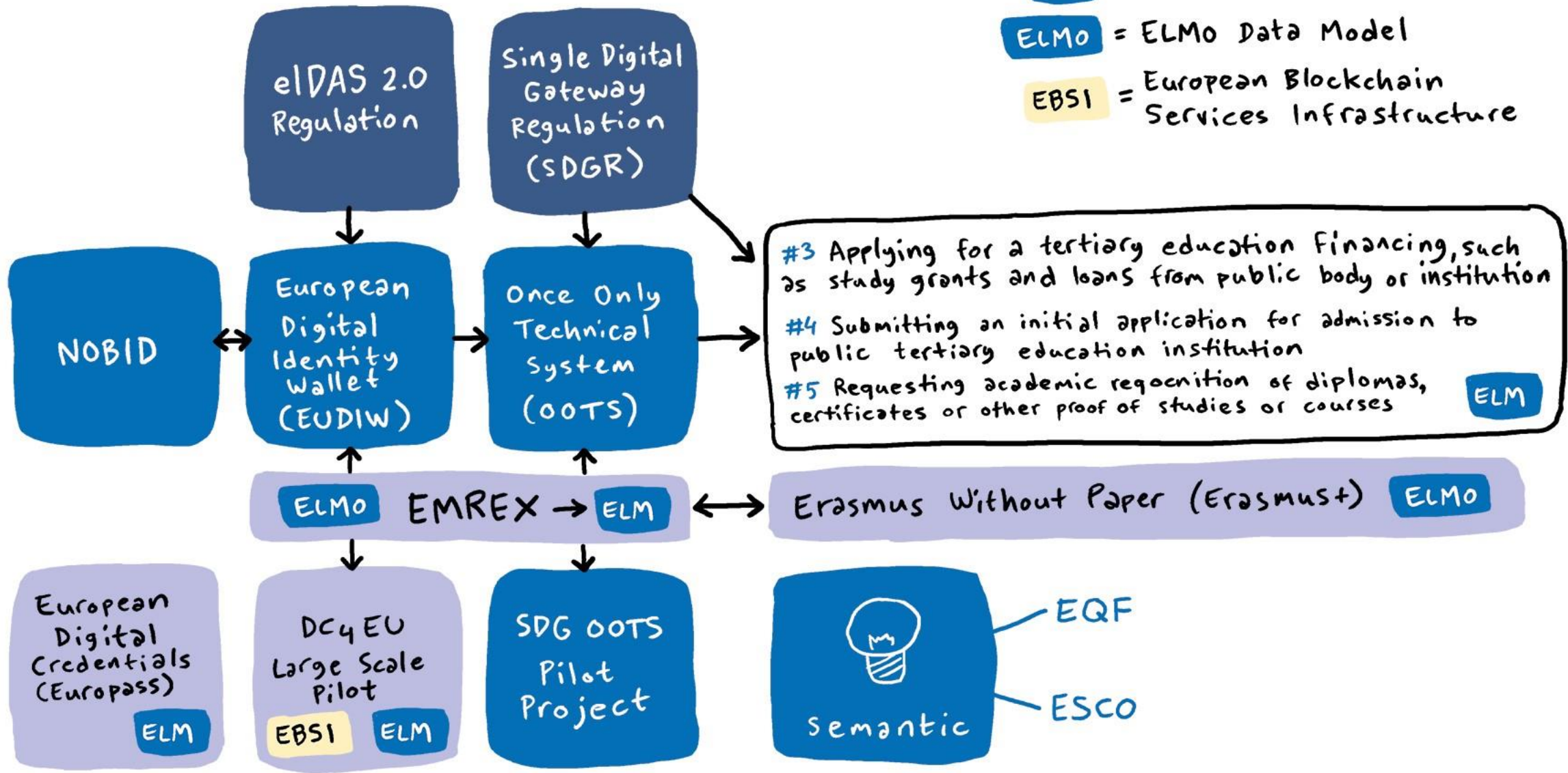




ELM = European Learning Model

ELMO = ELMO Data Model

EBSI = European Blockchain Services Infrastructure



ELM

ELMO

ELM

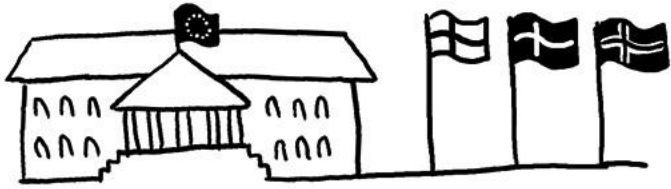
EBSI

ELM

EQF

ESCO

1 EU-level initiatives, other international co-operation (e.g. Nordic co-operation)



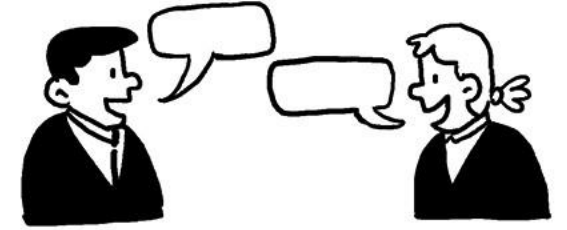
3 Actors/institutions who maintain and develop databases or registers including educational data



5 Local process owners in educational institutions and services



2 Government administration engaged in discussions



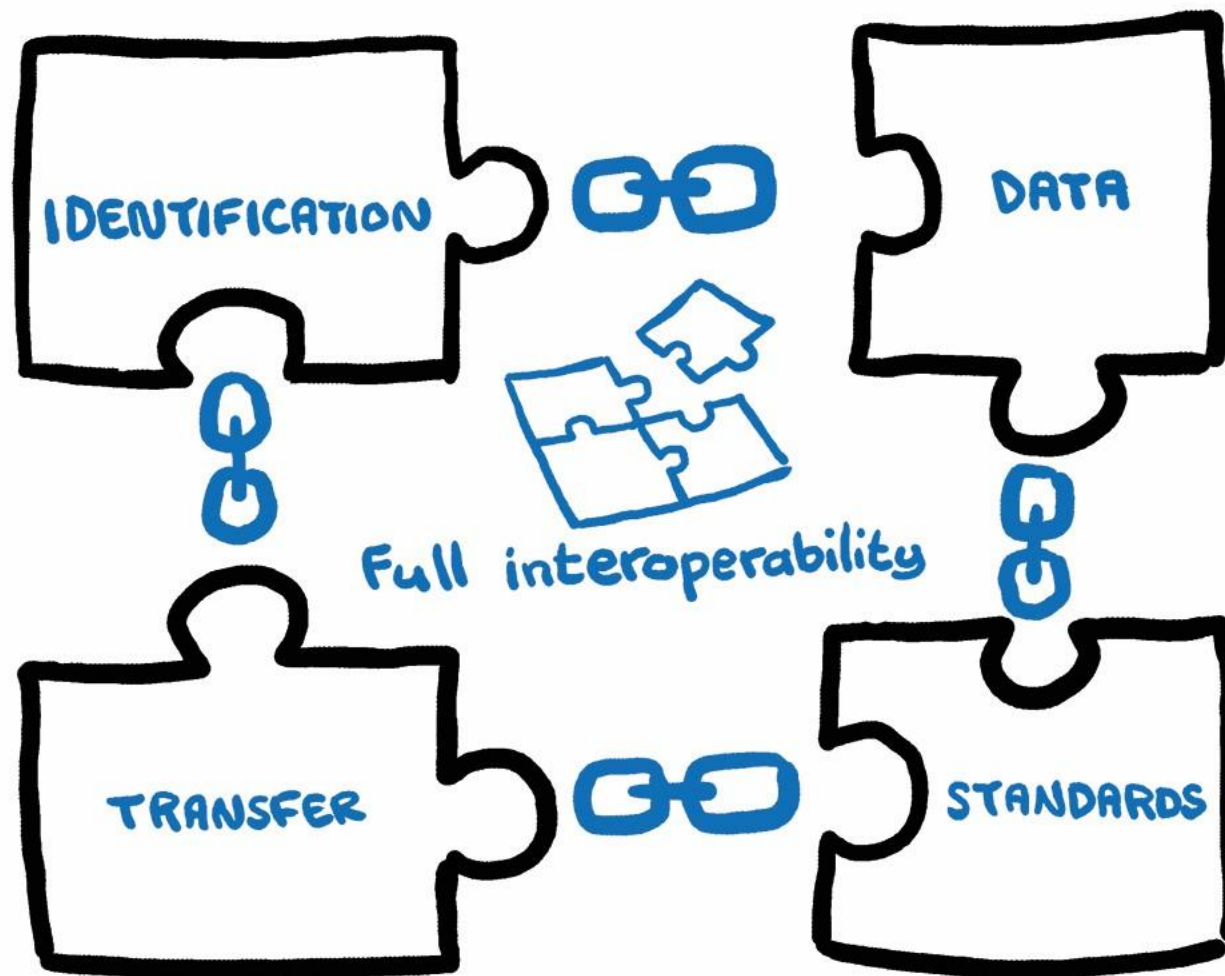
4 Solution providers for e.g. identification services and data transfer



6 Students and other end-users using the digital services



- User identification
- Cross-border identify matching



- Centralised or decentralised databases
- Interconnected systems for information exchange
- Descriptive Information (metadata) on educational credentials
- Machine-readable data

- Data transfer solution
e.g. EMREX, SDG OOTS, EUDI Wallet

- Data model
- Terms
- Vocabularies
- Metadata

Key takeaways



To understand the big picture of standards and frameworks is essential.

Active collaboration with stakeholders and relevant networks is the key to success.

Already functioning interoperable solutions and practices should be taken into account.



Additional perspectives to the handbook?

Relevancy to your stakeholders?

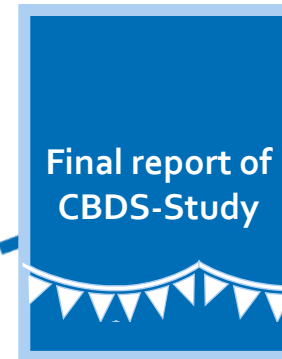
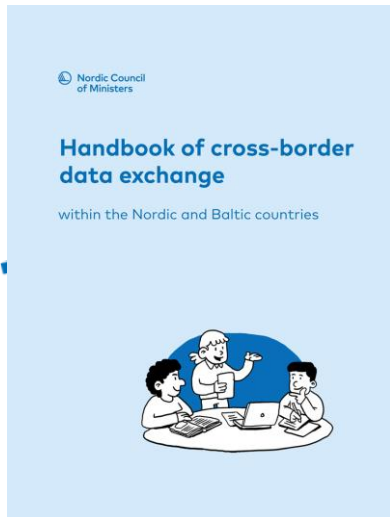
Ideas for dissemination of the handbook?



Next Steps

2023

2024



Thank you!

Additional information:

[World's Smoothest Cross-Border Mobility and Daily Life Through Digitalisation](#)

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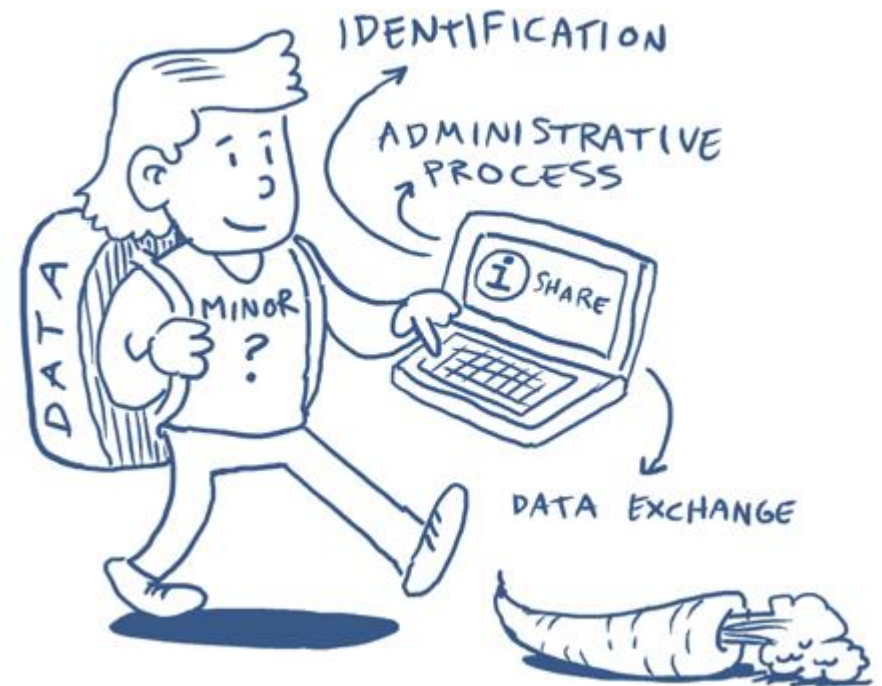
Specialist

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ministerrådet**