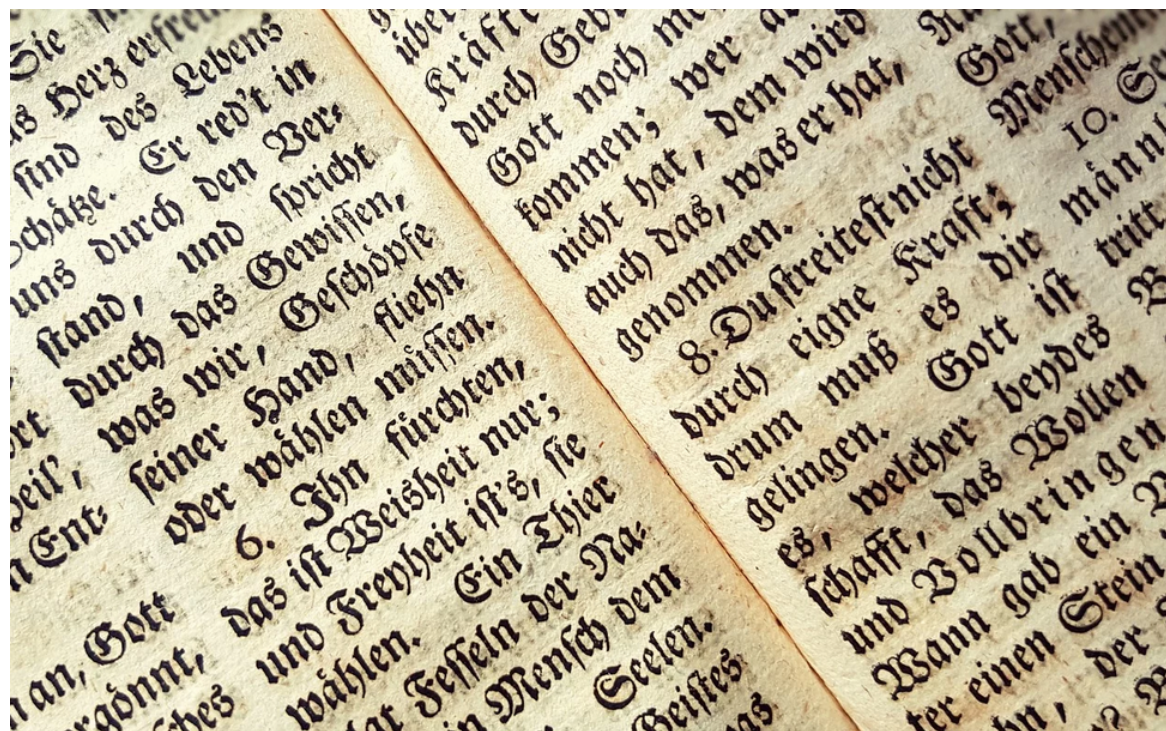


# LAYING GUTENBERG TO REST

*Digitalization and its Impact on the Recognition of Foreign Credentials in Europe*





*The Gutenberg Effect is a cognitive bias characterized by the inability to trust a document that is not printed on paper.*

# Runestone U 463



# Questions for thought

- How do you define digital student records?
- Does your organization accept and award digital documents? Why? Why not?
- What challenges does digital student data present to our profession?
- What are the opportunities for our profession?
- Is marriage and the recognition of foreign credentials built on the same foundation?



”Paper transcripts are an invitation to  
fraud.”

Andrew Hannah, University of Chicago

# Opportunities

- Trust
- Solution-oriented
- Service
- Portability
- Greta compliant (i.e. green)
- Cost-reducing
- Endless



**Source:** Image Bank of Sweden

# European initiatives

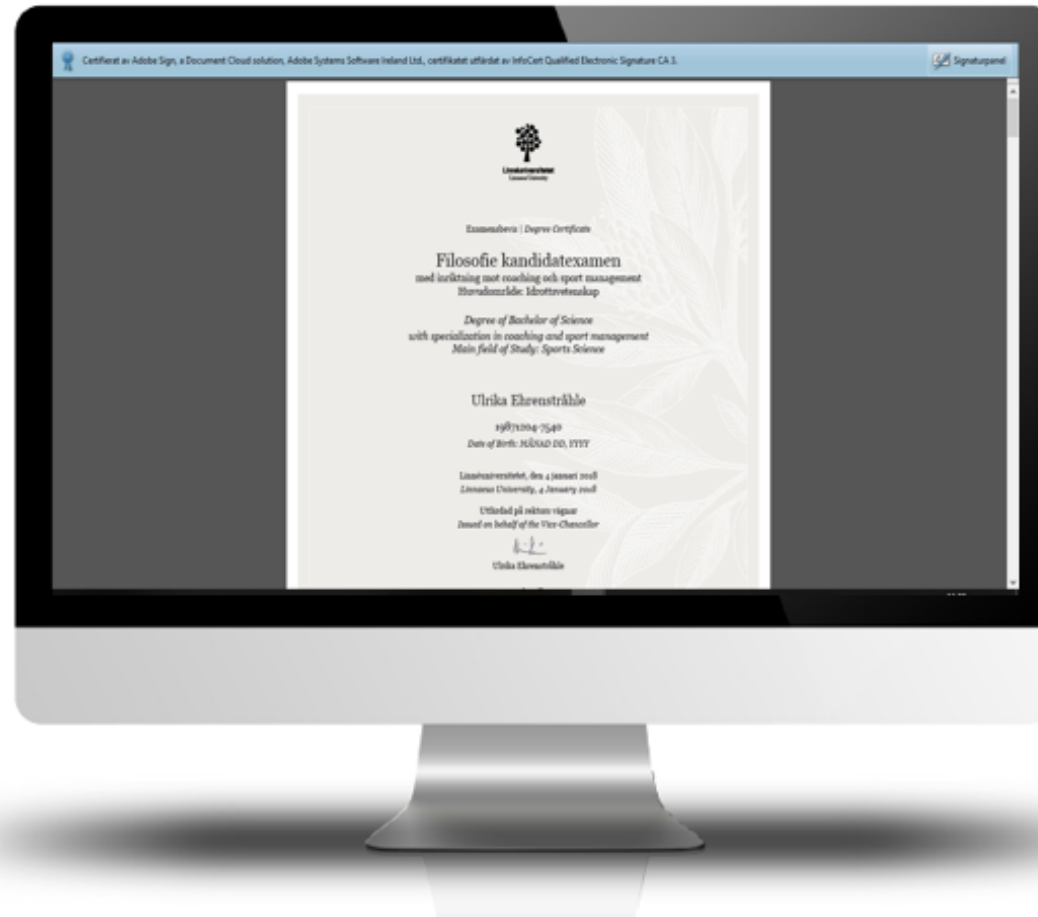
- Erasmus Without Paper (EU)
- EMREX (EU)
- Europass (EU)
- DigiRec/DigiNet (ENIC-NARICs and EU)
- Groningen Declaration (Europe and beyond)
- Nordic initiatives (Regional)

# European examples of digitalization in recognition





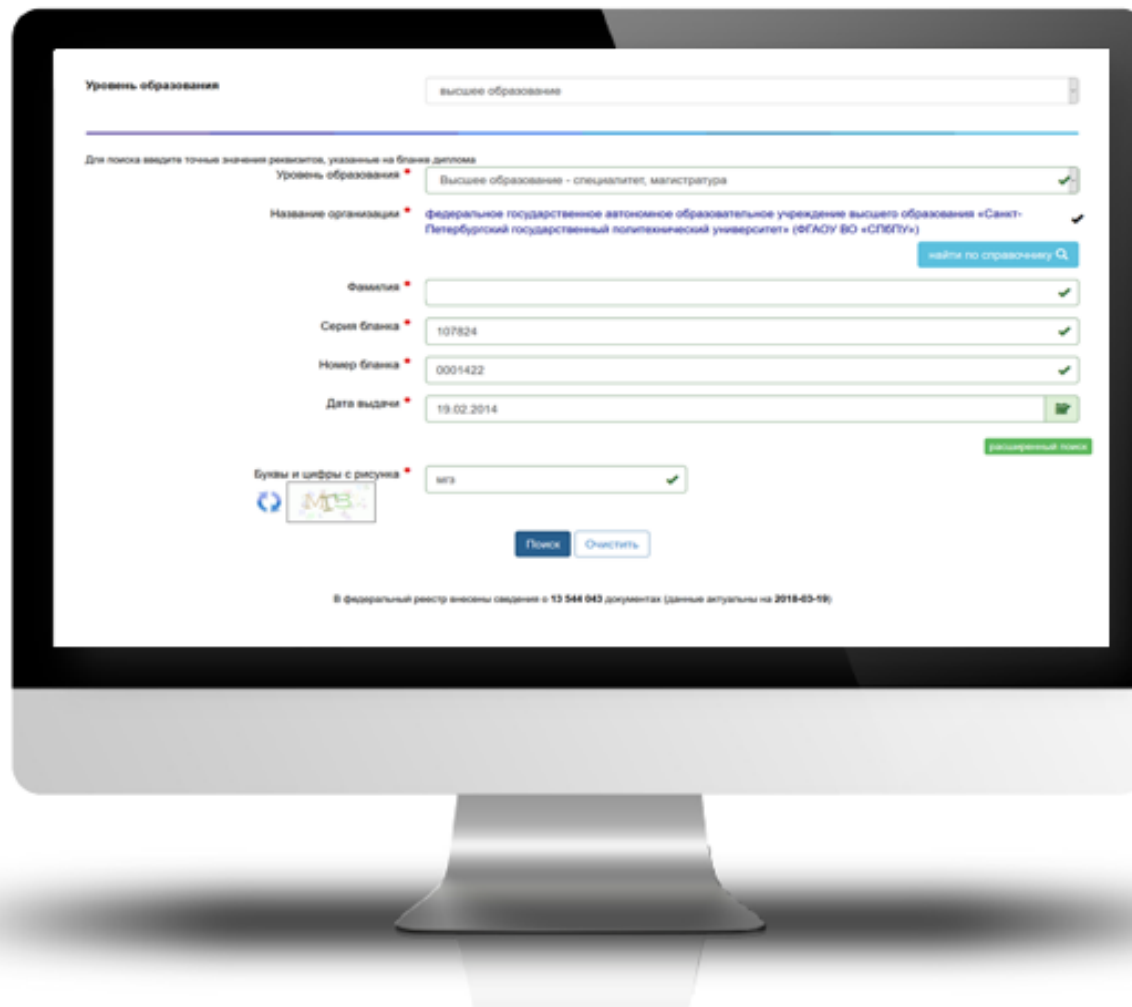
# Swedish universities digitalizing their credentials



# Example of trust in delivery (unstructured data): Norway



# Example of trust in verification: Russia



Уровень образования

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Для поиска введите точные значения реквизитов, указанные на бланке диплома

Уровень образования  ✓

Название организации  ✓ [найти по справке](#)

Фамилия  ✓

Серия бланка  ✓

Номер бланка  ✓

Дата выдачи  ✓

Буквы и цифры с рисунка  ✓

[Расширенный поиск](#)

[Поиск](#) [Очистить](#)

В федеральный реестр внесены сведения о 13 548 043 документах (данные актуальны на 2018-03-19)

# Example of trust in verification: UK





# The Road Ahead



**Source:** Image Bank of Sweden

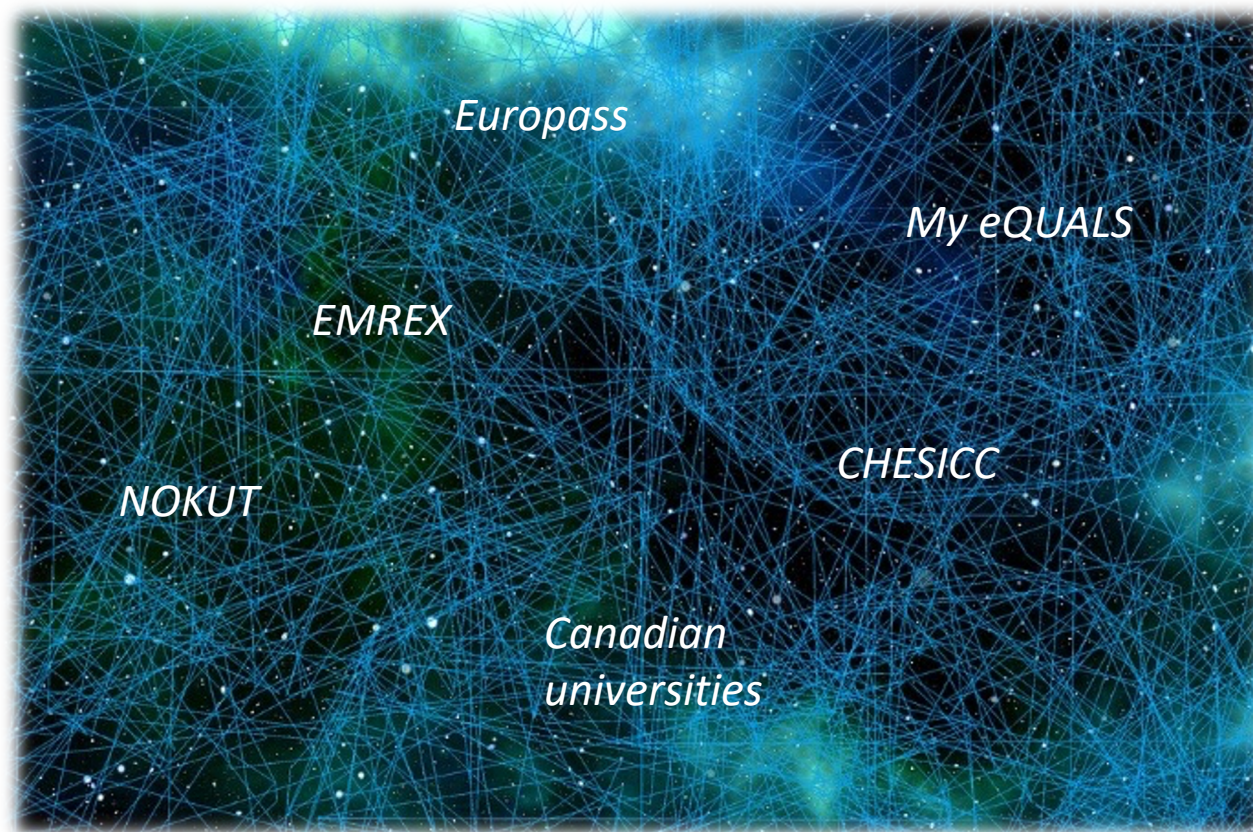
# Structured Data

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</resultDistribution>
- <level>
  <scheme>EQF</scheme>
  <value>6</value>
</level>
- <credit>
  <scheme>ECTS</scheme>
  <value>10</value>
</credit>
<subjectArea type="ERASMUS">11.3</subjectArea>
<subjectArea type="ISCED-F">0613</subjectArea>
</assessmentBlock>
```

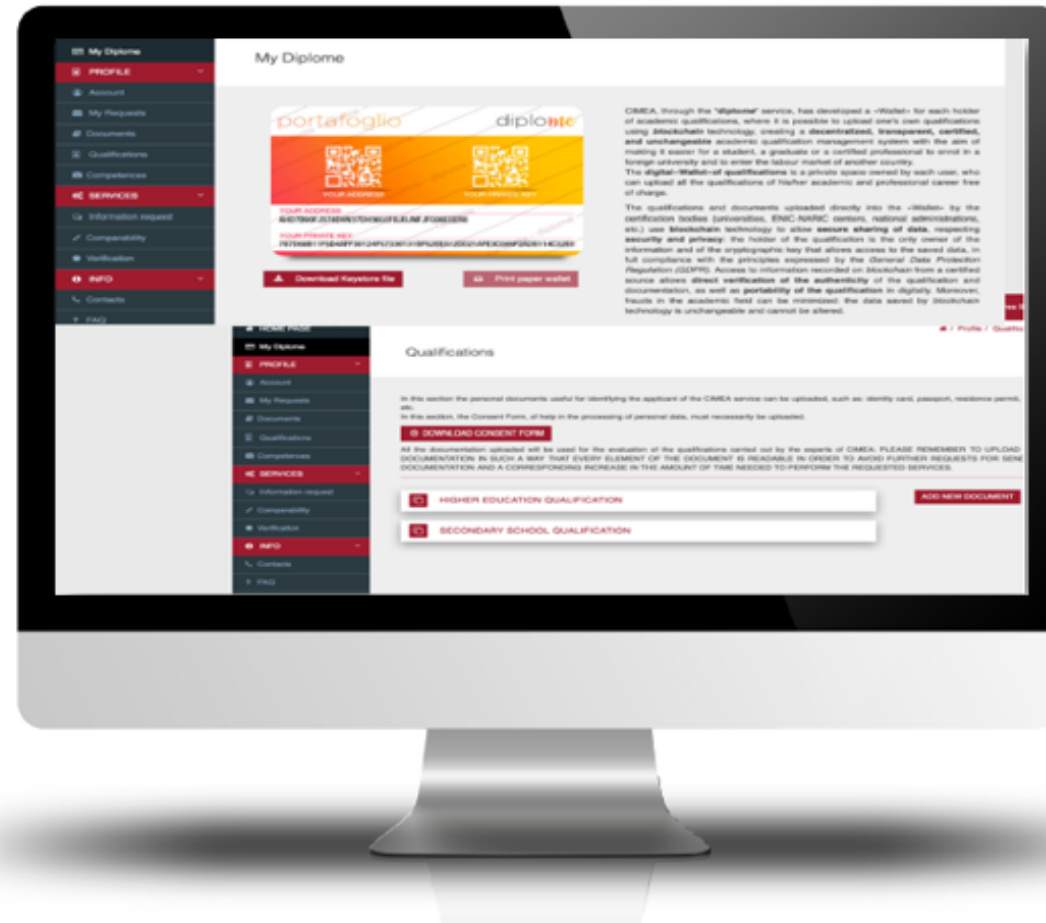
NOKUT in Norway will soon be able to receive structured data directly to its processing system from EMREX and Digitary Core (My eQuals etc.)



# Interoperability: from isolated information silos to interconnected **digital ecosystems**



# Blockchain example: *Diplome* service (Italy)





”Security in electronic exchange  
outweighs all other benefits combined.”

Monterey Sims, University of Phoenix