

# AI and Data programme (2021 – 2024)

# AI & Data



Anna-Maija Sunnanmark



Olivia Rekman



# Nordic added value

## — Strength:

Rich in high quality government owned registry data

Highly regulated data environments based on common values and ethical standards around privacy

Combining national strongholds



**Responsible use of data & ethical AI** as a program starting point.



# Potential

- Widespread use of AI in the economy can double the **economic growth** potential in the long term.
- AI can help solve major **societal challenges**.
- Opening and making datasets interoperable in the Nordics – raising awareness & creating the infrastructure for business opportunities and innovation
- Connecting / creating Nordic ecosystem and networks to exchange knowledge (best practices) and build collaborations
- Branding of Nordic **businesses**: leadership potential in responsible use of data and ethical AI.



# Nordic AI and Data work packages

**WP<sub>1</sub> Nordic datasets**

**WP<sub>2</sub> Capabilities**

**WP<sub>3</sub> Nordic Smart Government**



# AI and Data

- The Nordics as a leading region within digitalization, ethical AI and responsible use of data.
  - Increased collaboration around AI across the Nordics: identification of and making public datasets of high value available across the Nordic countries
  - Better shared understanding of the needs of the Nordic business ecosystem and Nordic strongholds to build capabilities upon
  - Implementation of Nordic Smart Government roadmap (company economic data)



# Activities

- **Stakeholder dialogue** (ongoing)
- **Hackathon event** at KTH, DTU & online – fast-track activity to show visibility across the data value chain – report to be published 30th of May
- **Mapping of the AI ecosystem and strongholds in the Nordics** – report by E&Y to be published 9th of June



# Hackathon event 2022





# Comparison of Nordic countries

*The Nordic countries are largely similar in areas relevant to AI and data*

Each Nordic country has developed a national AI strategy, with Finland leading the way and Iceland being the last to publish theirs’.

Each country also places a high value on data protection and they have created their own policies and national oversight entities for data.

## Examples of country strongholds

### Denmark

AI in the public sector

### Finland

AI education and research

### Iceland

Beneficial policies

### Norway

Regulatory sandbox

### Sweden

Private sector innovation



# Nordic challenges



Data management



Transition from AI pilots to production



Regulations and ethical AI

# Data management



Covers many important sub-topics with unique challenges



Has been a low priority historically



SMEs find it particularly difficult

# Transition from AI pilots to production



Poor leadership understanding of AI

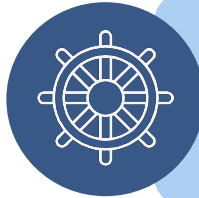


Lack of clarity surrounding costs and development plans



Available data is not optimal for AI

# Regulations and ethical AI



Regulations are complex (e.g. GDPR and Schrems II)



Missing connection between ethical requirements and developers



Large international companies get an advantage from complexity

# Recommendations

1. Arrange cross-Nordic data events based on government owned data
2. Collect and showcase examples of the value of government owned data from across the Nordic countries
3. Fund projects creating an overview of which government owned datasets are highly used and demanded by companies across the Nordic countries
4. Establish Nordic working group on open data standards and formats including best practices when publishing data
5. Fund projects investigating the potential of new or known methods to publish sensitive data in accordance with GDPR
6. Fund projects to make public data more accessible for companies across the Nordic countries
7. Promote the open data portals in the Nordic countries
8. Collect good practice examples from the Nordic countries on good data governance and data management related to publishing datasets



# Recommendations

## The Nordics should:

1. Pursue increased sharing and utilisation of national datasets
2. Build a competitive advantage on the responsible use of data and ethical AI
3. Raise the AI and data competency level among organisational leaders
4. Support businesses and academic institutions in finding relevant partners for solving AI and data challenges
5. Share best practices, use-cases, and knowledge with each other



**Olivia Rekman**

Innovation Adviser

**[olivia.rekman@nordicinnovation.org](mailto:olivia.rekman@nordicinnovation.org)**

**Nordic Innovation**

Stensbergg. 25, 0170 Oslo, Norway

[nordicinnovation.org](http://nordicinnovation.org)

