

## WELCOME TO NORA

Pinar Heggernes

Chair of the NORA board









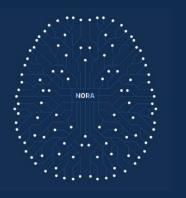












# WELCOME TO NORA

Pinar Heggernes

Head of Institutt for informatikk, UiB



















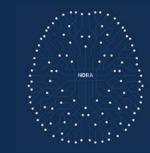
#### **NORA**

#### Norwegian Artifical Intelligence Research Consortium

- University of Oslo
- University of Bergen
- University of Agder
- Oslo Metropolitan University

- UiT The Arctic University of Norway
- Norwegian University of Life Sciences
- Simula Research Laboratory AS
- University of Stavanger
- NORCE









### Seks rektorer og Simula lanserer felles innsats innenfor kunstig intelligens

Kunstig intelligens. I dag annonserer seks rektorer og Simula etableringen av Norwegian Artificial Intelligence Laboratories (NORA), en allianse av forskningsgrupper og laboratorier i kunstig intelligens.



DAG RUNE OLSEN



REKTOR ANNE HUSEBEKK



FRANK REICHERT



REKTOR **CURT RICE** OSLOMET



REKTOR SVEIN STØLEN



REKTOR MARISUNDLI TVEIT



ADM.DIR. **ASLAK TVEITO** SIMULA

PUBLISERT TIRSDAG 2. OKTOBER 2018 - 9:31 SIST OPPDATERT TIRSDAG 2. OKTOBER 2018 - 9:31











**Kunstig** intelligens har for alvor begynt å endre livene våre. Innen helse, økonomi, kommunikasjon, transport, og underholdning kommer det stadig nye anvendelser som i stor grad påvirker oss som enkeltmennesker og som samfunn. Kunstig intelligens har eksistert helt siden den første datamaskinen, men muligheten til å samle inn og lagre enorme datamengder samt nye teknologier gjør at fagfeltet nå i stor fart kommer til anvendelse på helt nye måter.

Vi må forstå og utnytte de nye mulighetene, vi må forstå og erkjenne

Mer fra Khrono **Mest lest** Eikrem kalt inn til ledelsen igien

NORA aims to strengthen Norwegian research and education within artificial intelligence, machine learning and robotics, as well as other relevant research that supports the development of artificial intelligence applications.

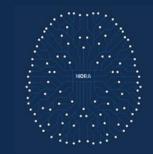




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Because the way to Norway's success in artificial intelligence must be based on research and education.



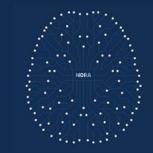


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Because the way to Norway's success in artificial intelligence must be based on research and education.

Because Norway can and should take a leading position!

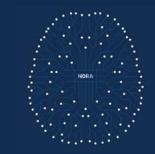




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Because Norway needs its own professionals, experts, and leading research environments in artificial intelligence.





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Because Norway needs its own professionals, experts, and leading research environments in artificial intelligence.

Together we are stronger. We can share resources, collaborate, and build on each other's expertise.

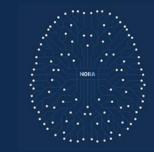




#### MILESTONES SO FAR

- Announcement in Khrono October 2, 2018
- First board meeting with the founding members October 22, 2018
- Web page nora.ai taking shape since November, 2018
- Official signing of the agreement by the rectors and the director November 21, 2018
- Two new members joined January 7, 2019
- Board meeting with all nine members February 4, 2019
- NORA kick-off conference (and board meeting) TODAY!
- NORA's CEO starting TODAY!

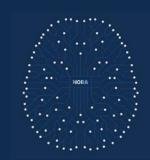




#### THE BOARD OF DIRECTORS OF NORA

- Morten Dæhlen, University of Oslo
- Kristin Flornes, NORCE
- Anne Cathrine Gjærde, The Norwegian University of Life Sciences
- Ole-Christoffer Granmo, University of Agder
- Pinar Heggernes, University of Bergen
- Morten Irgens, OsloMet Oslo Metropolitan University
- Kenneth Ruud, UiT The Arctic University of Norway
- Tom Ryen, University of Stavanger
- Rachel Thomas, Simula Research Laboratory AS





#### THE BOARD OF DIRECTORS OF NORA









#### AS OF TODAY, NORA HAS A CEO!



#### **KLAS PETTERSEN**

With his broad background spanning from physics, mathematics and informatics to medicine, Pettersen aims to enhance interdisciplinarity and to build networks. His ambition is to strengthen the collaboration between the already excellent research communities of the consortium partners, as well as connecting these communities to areas that will gain from using Al.

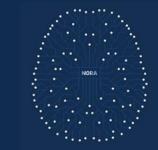




#### **NORA'S AMBITION**

Contribute to Norway becoming a leading nation in Artificial Intelligence, Machine Learning, Robotics, and other relevant research.





Den beste måten å trygge vår fremtid på, er å bidra til å skape den. Norge og Europa bør ikke overlate dette til andre. **Den beste** måten å trygge vår fremtid på, er å bidra til å skape den. Norge og Europa bør ikke overlate dette til andre. Norge må være i fronten av forskningen som flytter grensene til vitenskap og teknologi som former kunstig intelligens. Vi må være best på den grunnleggende forskningen som danner grunnlaget for videre teknologisk utvikling, vi må utføre den anvendte forskningen som kan tas til markedet av norske og europeiske bedrifter, vi må utdanne kandidatene som et sammensatt, moderne og teknologidrevet samfunn krever, og vi må bidra til det Europa alltid har vært spesielt dyktige til; sette mennesket i sentrum for teknologien.

**Forfatterne** av denne artikkelen leder institusjoner som, i tillegg til nesten 100.000 studenter og nesten 20.000 ansatte, har en stor samling sterke forskere og forskningsmiljøer i kunstig intelligens, maskinlæring og robotikk. I dag annonserer vi etableringen av Norwegian Artificial Intelligence Laboratories (NORA), en allianse av forskningsgrupper og laboratorier i kunstig intelligens. Sammen skal vi arbeide for å styrke norsk forskning i avansert informasjonsteknologi, kunstig intelligens, maskinlæring og robotikk. Fagmiljøene våre vil arbeide tett sammen, utveksle studenter og forskere, danne store samarbeidsprosjekter, styrke samarbeidet mellom forskning og næringsliv, posisjonere Norge i utlandet, og bidra til at Norge blir en tydelig aktør internasjonalt.

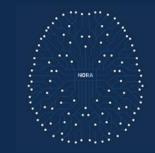
Fremtiden formes nå. Vi tar utfordringen. Vi er klare!

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"The best way to secure our future, is to contribute to shaping it."





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"The best way to secure our future, is to contribute to shaping it."

Norway can, and should, be in the front line of ground breaking research in these areas.



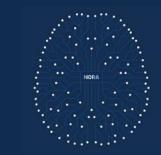


#### **NORA WILL**

- contribute to develop joint research projects between partners
- make visible the research efforts and results at partner institutions
- organize workshops, seminars, research schools
- take an active part in establishing start-up companies
- strengthen collaboration between partners' research communities and the business community
- help establish joint research proposals across partners' research communities

in Artificial Intelligence, Machine Learning, Robotics, and other relevant research.

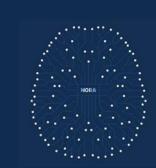




#### NORA WILL

- contribute to positioning Norwegian research in artificial intelligence on the international arena
- have a special responsibility for developing activities aimed at Horizon 2020 and Horizon Europe
- Help establishing contacts between partner institutions and main international actors in the field





#### NORA WILL

work for increased understanding of the

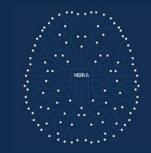
- opportunities that artificial intelligence gives
- limitations that are connected to artifical intelligence methods
- ethical and societal issues connected to develping and using artifical intellgence methods



#### **IMPLEMENTATION**

- The board of directors
- A secretariat placed at the University of Oslo:
  - An executive officer
  - An information / PR officer
  - To be expanded
- Identifying all AI researchers at the partner institutions
- Physical meeting points in forms of seminars, workshops, research schools
- Announcements through the web page and an email list





#### WHY DO WE NEED NORA?





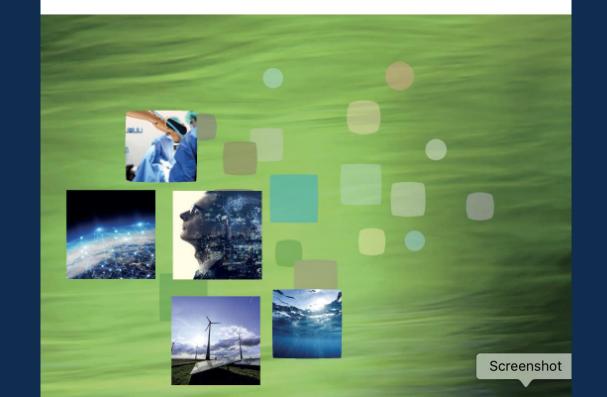


#### Meld. St. 4

(2018 - 2019)

Melding til Stortinget

Langtidsplan for forskning og høyere utdanning 2019–2028







digital ·

21

#### Digitale grep for norsk verdiskaping

Samlede anbefalinger

Digitaliseringen er allerede i ferd med å få stor betydning for både samfunnslivet og næringslivet. Den blir gjennomgripende – den er en industriell revolusjon. Da må vi møte den som det – både for å håndtere utfordringene den fører med seg for bedrifter og enkelfindivider, men ikke minst for å utnytte alle de mulighelene den gir.

Et karakterisfisk trekk ved digitalisering er at den skjer og utvikles uavhengig av tradisjonelle næringer og sektorer. Den griper inn uavhengig av måten vi som samfunn er organisert på. Den griper inn på tvers. Vi kan ikke løse utfordringene og utnytte mulighetene ved å operere utelukkende parallelt innenfor de næringene eller organiseringene vi er kjent med. Det er dessuten dårlig utnyttelse av våre ressurser.

Det betyr at vi må tenke annerledes om organisering. Vi må bygge kompetanse på tvers – vi må utvikle teknologier som fungerer på tvers – vi må utvikle bedrifter som opererer på tvers – vi må utvikle regelverk på tvers – og vi må sørge for at forvaltningen også kan operere på tvers.

Digita@1 har gjennom ett år sett på hvordan dette kan gjøres på en måte som kommer hele bredden av næringslivet til gode, og som bidrar til at næringslivet kan utvikle og ta i bruk ny teknologi og nye løsninger i takt med digitaliseringen.



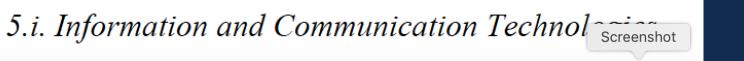




#### EN

Horizon 2020

Work Programme 2018-2020









Home > Horizon Europe - the next research and innovation framework programme

## Horizon Europe - the next research and innovation framework programme

How Horizon Europe is being designed, legal framework, factsheets, reports and timeline.

Language

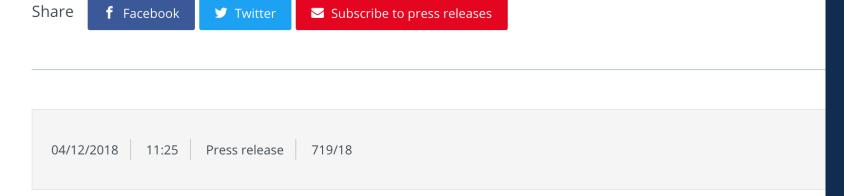
Search

The European Council The Council of the EU Policies Meetings Documents & Publications Press Contact

Home > Press > Press releases > Digital Europe programme – Council agrees its position



### **Digital Europe programme – Council agrees its position**



The EU is setting up a **new funding programme**, **Digital Europe**, to be launched in 2021 to support the **digital transformation of Europe's societies and economies**. The Council today agreed its position ('partial general approach') on the proposal, which aims to increase large-scale deployment of key digital technologies and encourage their uptake.

#### **Press contacts**

Päivikki Ala-Honkola

Screenshot er +32 2 281 86 48











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**Excellence across all of Al. For all of Europe.** With a Human-Centred Focus.

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#### WHY DO WE NEED NORA?





#### WHY DO WE NEED NORA?

There is simply no way around it!





#### THANK YOU FOR YOUR ATTENTION

