Results "Ubiquitous Data and Services"

Application deadline: Open-ended call

Purpose: The objective of this call is to enhance research efforts and to encourage and support collaboration between research groups and users in the thematic priority area “Ubiquitous data and services”. Research activities must seek to move the research front, promote essential competence-building and create new opportunities in the short and long term.

Total of overall funding requests	NOK 2 309 mill.
Total number of grant applications	166; 11 Collaborative projects, 110 Researcher projects, 45 Other support
Application types	Collaborative and Knowledge-building Project, Researcher projects, Other support
Total funding allocated:	NOK 577 mill.
Granting Portfolio Board:	Portfolio board Enabling technologies

Granted applications by Portfolio board Enabling technologies 1 July 2020:

Organisation	Project title	Application type	Project no.	Amount granted KNOK
Nasjonalt senter for e-helseforskning	A distributed service-oriented architecture for coordinated healthcare services	Researcher-project	312492	15 878
NTNU, Institutt for datateknologi og informatikk	ML4ITS - Machine Learning for Irregular Time Series	Researcher-project	312062	15 555
NTNU, Institutt for elektroniske systemer	Sensor Validation for Digital Twins of Safety-Critical Systems	Researcher-project	311902	15 914
SINTEF DIGITAL, Software and service innovation	Smart Journey Mining: Towards successful digitalisation of services	Researcher-project	312198	15 840
SINTEF DIGITAL, Software Engineering, Safety and Security	Raksha: 5G Security for Critical Communications	Researcher-project	312122	16 000
Universitetet i Agder, Institutt for informasjons- og kommunikasjonsteknologi	Ubiquitous Connectivity via Autonomous Airborne Networks	Researcher-project	311994	12 445
Universitetet i Agder, Institutt for ingeniørvitenskap	Analytics for asset Integrity Management of Wind farms	Researcher-project	312486	15 840

Universitetet i Agder, Institutt for informasjons- og kommunikasjonsteknologi	Logic-based Artificial Intelligence Everywhere: Tsetlin Machines in Hardware	Researcher -project	312434	14 551
Universitetet i Bergen, Institutt for informatikk	Intelligent systems for personalized and precise risk prediction and diagnosis of non-communicable diseases	Researcher -project	312045	12 811
Universitetet i Oslo, Institutt for informatikk	Predictive and Intuitive Robot Companion (PIRC)	Researcher -project	312333	16 000
Universitetet i Tromsø, Institutt for farmasi	TROMBOLOME: Development and application of a comprehensive digital archive of the TROMsø study metaBOLOME	Researcher -project	312267	14 166

The open-ended call "Ubiquitous Data and Services " consitst of three calls;

- **NOK 270 million available for research projects in the field of Ubiquitous data and services**
  January – 5 April 2019, 45 applications reviewed
- **Ubiquitous Data and Services – Researcher project**
  June 2019 – 16 March 2020, 110 applications reviewed
- **Ubiquitous Data and Services – Collaborative project**
  June 2019 – 16 March 2020, 11 applications reviewed

The calls are replaced by: **Artificial Intelligence, Robotics and Autonomous Systems – Collaborative project,** February 2020 –

Previously funded (January 2019 - April 2020):

Organisation	Project title	Application type	Project no.	Amount granted KNOK
NORSK REGNESENTRAL	Machine Learning for the Anonymisation of Unstructured Personal Data	Collaborative project	308904	15 997
SINTEF DIGITAL, Connectivity Technologies and Platforms	Navigation System Integrity Assurance for Safety-Critical Autonomous Operations	Collaborative project	305051	15 246
HAVFORSKNINGSINSTITUTTET	Personalized ocean forecasts in a two-way data flow system	Researcher-project	310515	15 998
NORCE Helse	RE-AIMED: Readjusted responses by use of AI in medical calls	Researcher-project	310468	15 975
NORSAR, Anvendt Seismologi	Geodata-based Machine Learning for real-time urban risk reduction systems	Researcher-project	311596	15 700
NTNU, Institutt for elektroniske systemer	Internet of Bio-NanoThings for Prediction and Prevention of Infectious Diseases	Researcher-project	310601	16 000
NTNU, Institutt for matematiske fag	Maritime Autonomous Sampling and Control	Researcher-project	305445	12 594
NTNU, Institutt for teknisk kybernetikk	Autonomous Robots for Ocean Sustainability	Researcher-project	304667	15 999

NTNU, Institutt for teknisk kybernetikk	EXAIGON - EXplainable AI systems for Gradual industry adoptiON	Researcher-project	304843	15 995
Oslo Universitetssykehus	Analytics for computation and visualization of liver resections	Researcher-project	311393	15 048
Universitetet i Agder, Institutt for ingeniørvitenskap	Collective Efficient Deep Learning and Networked Control for Multiple Collaborative Robot Systems	Researcher-project	306640	15 978
Universitetet i Agder, Institutt for informasjonssystemer	AI4Users: Responsible Use of Artificial Intelligence through Design for Accountability and Intelligibility	Researcher-project	311680	15 996
Universitetet i Bergen, Institutt for informatikk	SEquences and Their Applications	Researcher-project	311646	8 700
Universitetet i Oslo, Institutt for informatikk	Doctor AI2 – Artificial Intelligence mining of the Adaptive Immune system to develop an immunodiagnostics platform	Researcher-project	311341	8 752
Universitetet i Oslo, Institutt for informatikk	Privacy Engineering for Real-Time Analytics in Human-Centered Internet of Things	Researcher-project	311197	15 885
Universitetet i Stavanger, Institutt for data- og elektroteknologi	5G Management and Orchestration for Data and Network Integration	Researcher-project	308909	14 206
NTNU, Institutt for datateknologi og informatikk	Improved Pathology Detection in Wireless Capsule Endoscopy Images through Artificial Intelligence and 3D Reconstruction	Other support	300031	16 000
NTNU, Institutt for elektroniske systemer	COPS: Comprehensive privacy and security for resilient CPS/IoT	Other support	300102	15 998
NTNU, Institutt for kjemisk prosessteknologi	Intelligent use of data to build optimization tools for cyber-physical systems in the process industry	Other support	299585	11 362
NTNU, Institutt for teknisk kybernetikk	Safe Reinforcement Learning using Model Predictive Control	Other support	300172	14 754
Simula Metropolitan Center for Digital Engineering	Data-driven Framework for Personalised Cancer Screening	Other support	300034	12 593
Simula Research Laboratory	Adaptive Immunity for Software: Making Systems and Services Autonomously Self-Healing	Other support	300461	15 999
Simula Research Laboratory	Enabling Future Dependable Ubiquitous Services and Data with Novel Testing Methods for Quantum Programs	Other support	299827	14 445

Simula Research Laboratory	SciML - Scientific Computing & Machine Learning	Other support	300305	15 987
SINTEF DIGITAL, Mathematics and Cybernetics	Greater Oslo Area Train Optimization	Other support	300509	12 780
SINTEF OCEAN	GentleMAN-Gentle and Advanced Robotic Manipulation of 3D Compliant Objects	Other support	299757	16 000
Universitetet i Agder, Institutt for informasjons- og kommunikasjonsteknologi	Cooperative Human Activity Recognition and Localization for Healthcare and Wellbeing	Other support	300638	15 994
Universitetet i Oslo, Fysisk institutt	Bio-inspired neural networks for AI applications	Other support	300504	15 998

Read more about

- the evaluation process
- Referees for the call "Ubiquitous Data and Services"
- Scale of marks and assessment criteria