

Norwegian Roadmap for Research Infrastructure 2023

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National research infrastructures per sub-area

Table 3 - Information and communication technology

Name/short name of Infrastructure	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
eX3	Experimental Infrastructure for Exploration of Exascale Computing	2017	Under funding	https://www.e3.no/
NAIC	Norwegian Artificial Intelligence Cloud https://prosjektbanken.forskningsradet.no/project/FORISS/322336	2022	Under funding	
NorNet	Norwegian Infrastructure for NetwOrk Experimentation	2011	Fully funded	https://www.nor-net.no/
ReRaNP	Reconfigurable Radio Network Platform	2015	Under funding	Reconfigurable (ReRaNP) - Wikipedia
Sigma2	E-INFRA 2020 - A National e-infrastructure for Science	2023	Under funding	https://www.sigma2.no/

Table 4 – Material-, process technology and basic natural sciences

Name/short name of Infrastructure	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
European Organization for Nuclear Research (CERN)	Enabling LHC Physics at Extreme Collision Rates II	2023	ESF RI Land mark	https://home.cern/
European Incoherent SCATter (EISCAT)	EISCAT_3D Norway 2014	2015	ESF RI Land mark	https://eiscat.se/
European Spallation Source ERIC (ESS)	ESS ERIC (European Spallation Source)	2015	ESF RI Land mark	https://europeanspallationsource.se/
HUNT-Neutron Irradiation laboratory	Competence Hub for Neutron Technology	2022	Under funding	
Infrastructure for space physics related research on Svalbard	Infrastructure for space physics related research on Svalbard	2010	Fully funded	
MANULAB	ManuLab – Norwegian Manufacturing Research Laboratory	2017	Under funding	https://manulab.org/
MiMac	Norwegian Laboratory for Mineral and Materials Characterisation	2017	Under funding	https://www.ntnu.edu/mimac/project-infrastructure
National Surface and Interface Characterisation Laboratory	National Surface and Interface Characterisation Laboratory	2015	Fully funded	NICE (nicesurface.no)
NcNeutron	NcNeutron – Norwegian Center for Neutron Research	2016	Under funding	https://ife.no/en/project/ncneutron-norwegian-center-for-neutron-research/
NorFab	Norwegian Micro- and Nanofabrication Facility III B	2022	Under funding	https://www.norfab.no/
NORTEM	The Norwegian Centre for Transmission Electron	2022	Under	https://nortem.no/

	Microscopy II		funding	
OSCAR	New Generation Scintillator Detectors for Nuclear Research in Norway	2015	Under funding	https://www.mn.uio.no/fysikk/english/research/about/infrastructure/ocl/
RECX	Norwegian Centre for X-ray Diffraction, Scattering and Imaging Resource Centre X-rays	2011	Fully funded	http://www.recx.no/
TEMP	Transition to Sustainable Resource Efficiency in Metal Production and Recycling	2022	Under funding	TEMP - Transition to Sustainable Resource Efficiency in Metal Production and Recycling (sintef.no)

Table 5 - Energy and future energy systems

Name/short name of Infrastructure	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
BIGCCS Laboratory	BIGCCS Laboratory	2010	Fully funded	BIGCCS (sintef.no)
ECCSEL Australia	ECCSEL Norway CCS RI – Phase 2 – The Norwegian Node of ECCSEL	2016	ES FRI Landmark	https://www.eccsel.org/
ELPOWERLAB	Future distribution and transmission electrical grid components lab	2018	Under funding	https://www.sintef.no/projectweb/elpowerlab/
HighEFFLab	National Laboratories for an Energy Efficient Industry	2017	Under funding	https://www.sintef.no/projectweb/highefflab/
HydroCen Labs	Norwegian Research Centre for Hydropower Technology Laboratories	2019	Under funding	https://www.ntnu.edu/hydrocen/hydrocen-laboratories
NABLA	Norwegian Advanced Battery Laboratory	2021	Under funding	Norwegian Advanced Battery Laboratory Infrastructure (NABLA) - Universitetet i Agder (uia.no)
NorPALabs	Norwegian P&A Laboratories	2019	Under funding	https://norpalabs.no/
Norwegian Fuel Cell and Hydrogen Centre	Norwegian Fuel Cell and Hydrogen Centre	2016	Under funding	Norwegian Fuel Cell and Hydrogen Centre (sintef.no)
Norwegian Infrastructure for Multiphase Flows	Norwegian Infrastructure for Multiphase Flows	2022	Under funding	INFRASTRUCTURE: Tiller Multiphase Flow Laboratory - SINTEF
NSST	Norwegian laboratory for silicon-based solar cell technology	2015	Under funding	https://www.sintef.no/projectweb/solarlab/
OBLO-NOWERI	Norwegian Offshore Wind Energy Research Infrastructure – Offshore Boundary Layer Observatory (OBLO)	2013	Fully funded	https://oblo.w.uib.no/
OpenLab Drilling	OpenLab Drilling	2015	Under funding	https://openlab.app/

Research infrastructure for environmental design of renewable energy research in Ceren.	Research infrastructure for environmental design of renewable energy research in Ceren	2014	Full y fun ded	CEDREN - About CEDREN
SAFFT	SAFFT - Shearing, fracturing and flow in geomaterials related to petroleum reservoirs, CO2 storage and geothermal energy production	2014	Full y fun ded	
SBHUB	Smart Building Hub – Norwegian e-Infrastructure for energy-flexible and healthy buildings	2022	Un der fun ding	Smart Building Hub - SINTEF
Smart Grid	National Smart Grid Laboratory & Demonstration Platform	2014	Un der fun ding	https://www.ntnu.edu/smartgrid
		2020	Full y fun ded	
ULLRIGG	Laboratory upgrade of Ullrigg Drilling and Well Centre	2012	Ful ly fun ded	https://ullrigg.norceresearch.no/
ZEB Lab	Norwegian Zero Emission Building Laboratory	2015	Un der fun ding	https://zeblab.no/

Table 6 - Earth science, oceans, climate and environment

Name/short name of Infrastructure	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
ACTRIS Australia	Aerosol, Clouds, and Trace gases Research InfraStructure in Norway	2022	ESF RI Lan dma rk	https://www.actris.eu/
Advanced mobile broad-band seismic stations	Advanced mobile broad-band seismic stations	2011	Full y fund ed	
Arctic ABC	Arctic ABC Development	2016	Und er fund ing	https://www.mare-incognitum.no/arctic-abc/
AVIT	AVIT - updgarding and development of the NTNU membrane laboratory for environmental applications	2009	Full y fund ed	
COAT	Climate-Ecological Observatory for Arctic Tundra	2016	Und er fund ing	https://www.coat.no/
Digital Ocean Space - Møre Ocean Lab	The Digital Ocean Space - Møre Ocean Lab	2022	Und er fund ing	
EARTHLAB	Earth Surface sediment Laboratory	2014	Full y fund ed	EARTHLAB University of Bergen (uib.no)
EMBRC Norway	EMBRC Norway – The Norwegian Node of the European Marine Biological Resource Centre	2019	ESF RI Lan dma rk	https://www.embrc.eu/
EPOS Norway	European Plate Observing System - Norway	2016	ESF RI	

			Lan dma rk	
FARLAB	Facility for advanced isotopic research and monitoring of weather, climate, and biogeochemical cycling	2015	Full y fund ed	https://www.uib.no/en/FARLABhttps://www.uib.no/en/FARLABhttps://www.uib.no/en/FARLAB
Goldschmidt Laboratory	THE GOLDSCHMIDT LABORATORY Infrastructure for geochronological characterization of solid earth materials	2021	Und er fund ing	https://www.mn.uio.no/geo/englis h/research/goldschmidt/
G3	Geosystem 3-D Seismic Imaging (G3)	2010	Full y fund ed	
ICOS Norway	Norway Integrated Carbon Observation System	2021	ESF RI Lan dma rk	https://www.icos-cp.eu/
INES (NorESM)	Infrastructure for Norwegian Earth System modelling	2018	Und er fund ing	https://nordicesm.bitbucket.io/
LoVe	Lofoten-Vesterålen cabled observatory	2015	Und er fund ing	https://loveocean.no/
MARINTEK	The Marine Technology Laboratories- Required Upgrading and Developments	2016	Und er fund ing	https://www.sintef.no/en/ocean
Motion Laboratory	Movement laboratory	2015	Full y fund ed	motion-lab – Norwegian Motion Laboratory
NGTS	Norwegian geotest sites	2016	Und er fund ing	http://www.geotestsite.no/
NMDC	Norwegian Marine Data Centre	2012	Full y fund ed	https://nmdc.no/om-prosjektet/norwegian-marine-data-centre-nmdc-
NorArgo	A Norwegian Argo Infrastructure - a contribution to the European and global Argo infrastructure	2018	ESF RI Lan dma rk	https://norargo.hi.no/
NorBol	Norwegian Barcode of Life Network	2014	Full y fund ed	https://www.norbol.org/
NorDataNet	Norwegian Scientific Data Network	2015	Und er fund ing	https://www.nordatanet.no/
NorEMSO	The Norwegian node for the European Multidisciplinary Seafloor and water column Observatory	2020	ESF RI Lan dma rk	https://emso.eu/
NORMAP	Norwegian Satellite Earth Observation Database for Marine and Polar Research	2010	Full y fund ed	
NORMAR	Norwegian Marine Robotics Facility - Remotely Operated Vehicle for Deep Marine Research	2014	Full y fund ed	https://www.uib.no/geo/128110/%C3%A6gir6000-rov
Norwegian Atlantic Current Observatory	Norwegian Atlantic Current Observatory	2010	Full y fund ed	The Norwegian Atlantic Current Observatory Physical Oceanography See also
NorSOOP	Norwegian Ships Of Opportunity Program for marine and atmospheric research	2018	Und er fund ing	https://www.norsoop.com/

OceanLab	Ocean Space Field Laboratory Trondheimsfjorden	2019	Under funding	https://oceanlabobservatory.no/
Real time climate observations at the position of weather ship Mike	Real time climate observations at the position of weather ship Mike	2010	Fully funded	
Research Infrastructure for High-Precision Palaeoecological Analyses	Research Infrastructure for High-Precision Palaeoecological Analyses	2010	Fully funded	Palaeoecological Lab AVIT Ecological and Environmental Change Research Group See also
SeaBee	Norwegian Infrastructure for drone-based research, mapping and monitoring in the coastal zone	2020	Under funding	https://seabee.no/
SIOS KC	Svalbard Integrated Arctic Earth Observing System -Knowledge Centre, operational phase 2022	2022	Under funding	https://www.sios-svalbard.org/
The Oslo Geomagnetic Laboratory	The Oslo Geomagnetic Laboratory	2014	Fully funded	
Tone	Troll Observing Network	2022	Under funding	Troll Observation Network (TONE) – Norwegian Polar Institute (npolar.no)

Table 7 - Bioresources

Infrastructure name	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
Aquafeed Technology Centre	Aquafeed Technology Centre	2016	Fully funded	https://aquafeed.science
The NORwegian CELLulose laboratory	The NORwegian CELLulose laboratory	2022	Under funding	
Norwegian BioCentre (NBioC)	Norwegian Bioprocessing & Fermentation Centre-NBioC	2018	Under funding	Home - NBioC
Norwegian Biorefinery Laboratory (NorBioLab)	Norwegian Biorefinery Laboratory	2017	Under funding	norbiolab.no Norwegian Biorefinery Laboratory
FoodPilotPlant	FoodPilotPlant Norway: Upgrading of the Pilot Plant	2020	Under funding	Food Pilot Plant NMBU
PLANKTONLAB	Norwegian Center for Plankton Technology	2016	Under funding	Norwegian Centre for Plankton Technology - SINTEF
SEAWEED	Norwegian Test Center for Seaweed Cultivation and Utilization Technologies	2022	Under funding	Norwegian Seaweed Technology Center - SINTEF

Table 8 - Biotechnology

Infrastructure name	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
ELIXIR Australia	ELIXIR3 - Strengthening the Norwegian Node of ELIXIR	2022	ES FRI Landmark	ELIXIR Norway - Elixir Norway ELIXIR Norway - Elixir Norwayhttps://elixir.no/ ELIXIR A distributed infrastructure for life-science information (elixir-europe.org) ELIXIR A distributed infrastructure for life-science information (elixir-europe.org)https://elixir-europe.org/
LIPIDPLATFORM	Marine biochemical engineering- LIPIDPLATFORM	2009	Fully funded	
National Consortium for Sequencing and Personalized Medicine (NorSeq)	National consortium for sequencing and personalized medicine	2,017	Under funding	Norseq4

Network of Advanced Proteomics Infrastructure (NAPI)	National network of Advanced Proteomics	2,020	Under funding	Home - NAPI (uio.no)
Norwegian Advanced Light Microscopy Imaging Network (NALMIN)	Norwegian Advanced Light Microscopy Imaging Network Phase II (NALMIN-II)	2022	ES FRI Landmark	Norwegian Advanced Light Microscopy Imaging Network (NALMIN) – NALMIN https://nalmin.no/
NOR-OPENSREEN - the Norwegian EU-OPENSREEN node	NOR-OPENSREEN - the Norwegian EU-OPENSREEN node	2016	ES FRI Landmark	Home - Openscreen (uio.no)
Norwegian Macromolecular Crystallography Consortium (NORCRYST)	Norwegian Macromolecular Crystallography Consortium	2,016	Under funding	NORCRYST (uit.no)
The Norwegian NMR Platform (NNP)	The Norwegian NMR (Nuclear Magnetic Resonance) Platform 2	2,020	Under funding	NMR (Nuclear Magnetic Resonance) Laboratory - Faculty of Natural Sciences - NTNU
NSC	The Norwegian Sequencing Centre - Phase II	2021	Donefinansist	NSC – Sequencing (uio.no)

Table 9 - Health and medicine

Infrastructure name	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
Biobank Norway – National node in BBMRI	Biobank Norway 4 - a national biobank research infrastructure	2022	ES FRI Landmark	Front page Biobank Norway (bbmri.no) Front page Biobank Norway (bbmri.no) https://bbmri.no/ Home - BBMRI-ERIC: Making New Treatments Possible Home - BBMRI-ERIC: Making New Treatments Possible https://www.bbmri-eric.eu/
Health Registries for Research	Health Registries for Research	2014	Fully funded	https://hrr.w.uib.no/
National Health Analysis Platform for Research	National Health Analysis Platform	2018	Fully funded	The Health Analytics Platform - eHealth
NORBRAIN – Norwegian brain initiative: a large-scale infrastructure for 21st century neuroscience	Norwegian Brain Initiative (NORBRAIN) Stage 2	2015	Under funding	Norbrain
NorCRIN – Norwegian Clinical Research Infrastructure Network	Continuation and strengthening of the Norwegian Clinical Research Infrastructure Network (NorCRIN) - "NorCRIN 2"	2020	ES FRI Landmark	Frontpage - www.norcrin.no
NorMIT – Norwegian centre for minimally invasive image guided therapy and medical technologies	Norwegian centre for Minimally invasive Image guided Therapy and medical technologies	2014	Under funding	NorMIT

NORMOLIM – Norwegian Molecular Imaging Infrastructure – National node in Euro-Bioimaging	Norwegian Molecular Imaging Infrastructure	2018	ES FR I La nd ma rk	Euro Bioimaging
PCRN – The Norwegian Primary Care Research Network	The Norwegian Primary Care Research Network	2018	Un de r fun ding	The Norwegian Primary Care Research Network Department of Global Public Health and Primary Care See also

Table 10 - Humanities

Name/short name of infrastructure	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
ADED	Archaeological Digital Excavation Documentation	2018	Under funding	https://www.khm.uio.no/forskning/prosjekter/aded/
CLARINO	Common Language Resources Infrastructure Norway Upgrade	2020	ESFR Landmark	https://clarin.w.uib.no/
Digital corpus and dictionary of Norwegian Medieval Latin	Digital corpus and dictionary of Norwegian Medieval Latin	2022	Fully funded	Digital corpus and dictionary of Norwegian Medieval Latin National Library of Norway (nb.no)
fourMs	fourMs Lab Upgrade	2022	Under funding	https://www.uio.no/ritmo/english/research/labs/fourms/
INESS	Infrastructure for the Exploration of Syntax and Semantics	2010	Fully funded	https://clarino.uib.no/iness/page
LIA	Language Infrastructure made Accessible	2014	Under funding	http://www.tekstlab.uio.no/LIA/
MENOTEC	Medieval Norwegian Text Corpus	2010	Fully funded	https://www.menota.org/forside.xhtml
COLLECTED	SAMLA: National Infrastructure for Cultural History and Tradition Archives	2020	Under funding	https://samla.w.uib.no/

Table 11 - Social sciences

Name/short name of infrastructure	Description of the most recently awarded project in the Project Bank	Start-up last assigned project	Status	Website
ACCESS	ACCESS Life Course Database: Upgrade and Expansion	2017	Under funding	https://norlag.nsd.no/
ACDC	ACDC – Advanced Conflict Data Catalogue	2010	Fully funded	
CESSDA	CESSDA – Council of European Social Science Data Archives	2013	ESFRI Landmark	https://www.cessda.eu/
eVIR	Infrastructure for Video Research	2016	Fully funded	https://www.uv.uio.no/ils/english/research/projects/evir/index.html
HISTREG	Historical Registers	2022	Under funding	https://histreg.no/
Microdata.no	National Microdata Platform for Norwegian and International Research and Analysis	2020	Under funding	https://www.microdata.no/
NORDI	Norwegian Open Research Data Infrastructure	2016	Under funding	https://sikt.no/

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