



International academic collaboration at NMBU (August 2020)

Student exchange agreements are listed on these webpages:

<https://www.nmbu.no/en/students/exchange/where/europe> and <https://www.nmbu.no/en/students/exchange/where/world>

| Continent | Country | University/institution/partners | Type of agreement/Funding source | Duration | NMBU Faculty/Department, contact person |
|-----------|----------|---|--|-------------|---|
| AFRICA | Ethiopia | Hawassa University | Institutional collaboration, Phase IV/Royal Norwegian Embassy, Addis Ababa | 2015 - 2020 | NMBU Research Dept. (contact: Joanna Boddens-Hosang) + LANDSAM (academic coordinator Lars Olav Eik) |
| | | Wondo Genet College of Forestry and Natural Resources, Hawassa University | Institutional collaboration/Royal Norwegian Embassy, Addis Ababa | 2015 - 2021 | MINA*, M. Samuel Adaramola |
| | | Hawassa University (other partners in project: University of Kordofan, Sudan) | NORHED project, research/education. Norad funding. | 2013 – 2020 | LANDSAM/Noragric*, Jens B. Aune |
| | | Hawassa University (other partners in project: University of Juba, South Sudan; Mekelle University, Ethiopia; IITA; CIP; EIAR; NIBIO) | NORHED project, research/education. Norad funding. | 2013 - 2020 | BIOVIT/IPV*, Trine Hvoslef-Eide |
| | | Hawassa University | EnPe programme, research/education Norad funded | 2017 - 2020 | BIOVIT/IPV*, Trine Hvoslef-Eide |
| | | Mekelle University | Institutional collaboration, Phase IV/Royal Norwegian Embassy, Addis Ababa | 2015 - 2020 | NMBU Research Dept. (contact: Joanna Boddens-Hosang) + LANDSAM (academic coordinator Lars Olav Eik) |

| | | | | | |
|--|---|---|--|-------------|---|
| | | Mekelle University (other partner in project: LUANAR, Malawi) | NORHED project (“CLISNARP”), research/education. Norad funding. | 2013 – 2020 | School of Economics and Business (HH), Stein Holden |
| | | Mekelle University (main partner) | NORHED project, research/education. Norad funding | 2013 - 2020 | MINA*, Tron Eid |
| | | Mekelle University, Hawassa University (other partners: CICERO, World Agroforestry Centre, Kenya) | NFR/NORGLOBAL2 | 2020 - 2023 | MINA*, Meley Rannestad |
| | Ethiopia, Malawi, Kenya, Rwanda, Tanzania, and others | Several | EU Horizon 2020 research project “Innovations in Technology, Institutional and Extension Approaches towards Sustainable Agriculture and enhanced Food and Nutrition Security in Africa” (InnovAfrica). | 2017 – 2020 | LANDSAM/Noragric*, Ruth Haug. Coordinator: NIBIO. |
| | Ghana | Kwame Nkrumah University of Science and Technology (KNUST) Kumasi, Ghana | Norad EnPE programme. Project: Upgrading Education and Research Capacity in Renewable Energy Technologies (UPERC-RET) | 2015 - 2020 | MINA*, M. Samuel Adaramola |
| | Malawi | Lilongwe University of Agriculture and Natural Resources (LUANAR) | Student exchange, institutional cooperation | Ongoing | School of Business and Economics (HH), Stein Holden |
| | Mali | International Institute of Tropical Agriculture | Research project funded by Norwegian Ministry of Foreign Affairs. Climate Smart Technologies for Improved Livelihoods and Food Security in Mali | 2019 - 2024 | LANDSAM/Noragric*, Jens B. Aune |
| | | Institut d’Economie Rural | Research project funded by Norwegian Ministry of Foreign Affairs. Adaptation de l’agriculture et l’élevage au changements climatiques-phase 2 | 2018 - 2023 | LANDSAM/Noragric*, Jens B. Aune |
| | Niger | Institut National de la Recherche Agronomique du Niger (INRAN) + CARE | Research/development project funded by Norwegian Ministry of Foreign Affairs Projet de recherche et développement pour la sécurité alimentaire et l’adaptation aux changement climatiques des systems ruraux de production au Niger | 2016 - 2020 | LANDSAM/Noragric*, Jens B. Aune |

| | | | | | |
|--|--------------|---|---|-------------|---|
| | | International Institute of Tropical Agriculture | Research and development project funded by the Norwegian Ministry of Foreign Affairs. Climate Smart Technologies for Improved Livelihoods and Food Security in Niger. | 2019 - 2024 | LANDSAM/Noragric*, Jens B. Aune |
| | South Africa | Stellenbosch University; Southern African Wildlife College (main partner in project: Copperbelt University, Zambia) | NORHED project, Norad funding | 2013 - 2020 | LANDSAM/Noragric, Thor S. Larsen/Joanna Boddens-Hosang |
| | | Southern African Wildlife College (SADC registered) | MoU, NMBU + SAWC, institutional collaboration, research/education | 2019 - 2024 | LANDSAM/Noragric*, Pål Vedeld/Thor S. Larsen |
| | South Sudan | University of Juba (other partners in project: Makerere University, Uganda) | NORHED project, research/education/ Norad funding. | 2013 – 2020 | LANDSAM/Noragric*, Trygve Berg |
| | | University of Juba (other partners in project: Hawassa University, Ethiopia) | NORHED project, research/education/ Norad funding. | 2013 – 2020 | LANDSAM/Noragric*, Darley Kjosavik |
| | Tanzania | University of Dar es Salaam (other partners in project: State University of Zanzibar, Tanzania) | NORHED project, research/education/ Norad funding. | 2013 - 2020 | LANDSAM/Noragric*, Ian Bryceson |
| | | University of Dar es Salaam | NFR Toppforsk Green mentality | 2016 – 2020 | LANDSAM/Noragric*, Tor A. Benjaminsen |
| | | St. John's University of Tanzania | Institutional collaboration NMBU | 2019 - 2024 | LANDSAM/Noragric*, Tor A. Benjaminsen |
| | Uganda | Makerere University Business School (MUBS) | NORHED project, research/education. Norad funding. | 2015 - 2020 | School of Economics and Business (HH), Olvar Bergland and Ragnar Øygard |
| | | Makerere University (other partners in project: University of Dar es Salaam, Tanzania) | NORHED project, research/education. Norad funding. | 2013 – 2020 | MINA*, Douglas Sheil |
| | | Makerere University (other partners in project: Addis Ababa University, Ethiopia; University of Juba, South Sudan) | NORHED project, research/education. Norad funding. | 2013 – 2020 | MINA*, Bal Ram Singh |
| | | Makerere University (other partners in project: University College of | NORHED project (WASO-Africa), research/education. Norad funding. | 2013 – 2020 | REALTEK*, Harsha Ratnaweera |

| | | | | | |
|--|---|--|--|-------------|--|
| | | Southeast Norway; University of Nairobi, Kenya; University of Juba, South Sudan; Addis Ababa University, Ethiopia; University of Bergen, Norway) | | | |
| | | Makerere University (other partners in project: University of Zambia; University of Juba, South Sudan) | NORHED project, research/education. Norad funding. | 2013 – 2020 | VET/Dept. of Food Safety and Infection Biology (MatInf), Eystein Skjerve |
| | | Mbarara University of Science and Technology | Collaborative programme of research, training, curriculum and institutional development, exchange of faculty, students and staff | ongoing | MINA*, Douglas Sheil |
| | | Makerere University; Gulu University; Norges Geotekniske Institutt | NFR/NORGLOBAL2 | 2020 – 2023 | MINA* Jan Mulder, Vegard Martinsen |
| | Zambia | Copperbelt University (other partners in project: Stellenbosch University, South Africa; SAWC, South Africa) | NORHED project, research/education. Norad funding. | 2013 - 2020 | LANDSAM/Noragric*, Thor S. Larsen |
| | | University of Zambia, Conservation Farming Unit Zambia. | DIKU, NORPART programme. Academic cooperation on sustainable, climate smart agriculture | 2017 - 2021 | MINA*, Jan Mulder |
| ASIA (incl. Eurasia and Central Asia) | China, Mongolia, China, Sri Lanka, Poland and Germany | University of Warmia and Mazury in Olsztyn, (PL), University of Applied Sciences and Arts in Lippe (DE), University of Peradeniya (LK), Raja Rata University of Sri Lanka (LK), South Eastern University of Sri Lanka (LK), Mongolian University of Science and Technology (MN), National University of Mongolia (MN), Qingdao Technological University (CN), Shenzhen Institutes of Advanced Technology - Chinese Academy (CN), Inner Mongolia University of Finance and Economics (CN) | Erasmus+, CC WATER- Graduates for Climate Change adapted water management | 2020 - 2023 | REALTEK*, Harsha Ratnaweera |

| | | | | | |
|--|-------|--|--|------------------|----------------------------------|
| | China | Chinese Academy of Sciences (CAS) + USA (University of Michigan and the University of Arizona) | Chinese Academy of Sciences (CAS) | Ongoing | MINA*, Kari Klanderud |
| | | Chinese Academy of Science (other partners: University of Arizona, USA; University of Pretoria, South Africa; University of British Columbia, Canada; University of Bergen, Møreforskning AS, Norway) | NFR/INTPART programme | 2019 – 2021 | MINA; Kari Klanderud, Ruben Roos |
| | | Tsinghua University | DIKU, UTFORSK programme. Sino-Norwegian Partnership, SiNorSoil, Sustainable soil management in response to pollution and climate change. | 2016 – 2020/2021 | MINA*, Jan Mulder |
| | | China Agricultural University Beijing (CAU) | NENIM: N2O reducing bacteria in digestates (NFR) | 2019 - 2021 | KBM*, Lars Bakken |
| | | Hangzhou Zhushi Biotechnology Co. | Research Program Cooperation Agreement – Genomic Selection of Sonid Sheep in Inner Mongolia of China | 2019 - 2022 | BIOVIT*, Theo Meuwissen |
| | | Zhejiang Ocean University (ZJOU) | a) Joint training of ZJOU Master students (until graduation of last student enrolled under the agreement) b) MoU on above goals | 2012 – 2020 | BIOVIT/IHA*, Trond Storebakken |
| | | Beijing Forestry University | MoU incl. research, education, academic exchange | 2018 - 2022 | NMBU rectorate |
| | | Inner Mongolia Agricultural University | MoU incl. research, education, academic exchange | 2015 - 2023 | NMBU rectorate |
| | | Jiangsu University | MoU incl. research, education, academic exchange | 2018 - 2022 | NMBU rectorate |
| | | Qingdao Technological University (Other partners in project: Hokkaido University, Japan; University of Washington, USA; The University of British Columbia, Canada; Seoul National University, South Korea; The University Centre in Svalbard, Norway) | The High North Programme, research/education. DIKU funding. | 2016 - 2020 | REALTEK*, Harsha Ratnaweera |

| | | | | | |
|--|---------------------------------|--|---|----------------------|---|
| | India | ATREE | NFR Toppforsk, Greenmentality | 2016 - 2020 | LANDSAM/Noragric*, Tor A. Benjaminsen |
| | | Indian Institute of Technology Bombay (leader); Kyoto University, Japan. | Project: TAPESTRY 'Transformation as Praxis: Exploring Socially Just and Transdisciplinary Pathways to Sustainability in Marginal Environments'. Funding: NORFACE + Belmont Forum | 2018 - 2021 | LANDSAM/BYREG, Synne Movik |
| | Japan | Fukushima University | Research collaboration, student exchange | 2015 - 2020 | MINA / CERAD/ Brit Salbu |
| | Kirgisistan | American University of Central Asia | Research, researcher/student exchange | Ongoing | School of Economics and Business (HH), Roberto Garcia |
| | Laos | University of Health Sciences | NFR/FRIPRO funding: DENCLIM project | 2018 - 2021 | REALTEK*, Hans Overgaard |
| | Nepal | Kathmandu University (other partners in project: Tribhuvan University, Nepal; Royal University of Bhutan) | NORHED project, research/education. Norad funding. | 2013 - 2020 | LANDSAM/Noragric*, Bishal Sitaula |
| | | Tribhuvan University (other partners in project: University of Ruhuna, Sri Lanka; COMSATS, Pakistan) | NORHED project, research/education. Norad funding. | 2013 – 2020 | LANDSAM/Noragric*, Stig Jarle Hansen |
| | | Tribhuvan University (other partner: Kathmandu University) | NORHED project, research/education. Norad funding. | 2017 - 2020 | LANDSAM/Dept. of Landscape Architecture*, Sheri Lee Bastien |
| | Russia | Tambov State University, Department of Mathematics, Physics and Informatics | Institutional Agreement, academic cooperation | Ongoing | REALTEK*, Arkadi Ponossov |
| | | Perm State University, Department of Mechanics and Mathematics | Institutional Agreement, academic cooperation | Sept. 2011 - ongoing | REALTEK*, John Wyller and Arkadi Ponossov |
| | Russia, Finland, others | University of Helsinki, Russian Academy of Sciences, University of Lapland, Umeå University, SLU Uppsala Norforsk - Nordic Center of Excellence – Russian Cooperation | Reindeer husbandry in a Globalizing North, adaptations and pathways for actions | 2016 – 2020 | BIOVIT/IHA*, Øystein Holand |
| | Sri Lanka, Cambodia, Bangladesh | University of Peradeniya (other partners in project: University College of Southeast Norway, Norway: The University of Jaffna, Sri Lanka: The Bangladesh University of | NORHED project (WASO-Asia), research/education. Norad funding. | 2013 – 2020 | REALTEK*, Harsha Ratnaweera |

| | | | | | |
|---------------------------|----------|--|---|-------------|---------------------------------|
| | | Engineering and Technology, Bangladesh: The Institute of Technology of Cambodia, Cambodia) | | | |
| | Thailand | Khon Kaen University, Khon Kaen | NFR/FRIPRO project: DENGUE-INDEX project | 2016 - 2020 | REALTEK*, Hans Overgaard |
| | | Asian Institute of Technology | NFR/FRIPRO funded: DENCLIM project | 2018 - 2021 | REALTEK*, Hans Overgaard |
| EUROPE / EU-funded | | 27 countries | COST Action CA 16106 Ammonia and Greenhouse Gases Emissions from Animal Production Buildings | 2017 - 2021 | BIOVIT/IHA*, Egil Prestl kken |
| | | 31 countries (SLU Main partner) | COST Action PlantEd (CA18111) | 2019 - 2023 | BIOVIT/IPV*, Trine Hvoslef-Eide |
| | | 27 countries | CA19139 - Process-based models for climate impact attribution across sectors https://www.cost.eu/actions/CA19139 | 2020-2024 | REALTEK*, Harsha Ratnaweera |
| | | 29 countries | CA19123 - Protection, Resilience, Rehabilitation of damaged environment https://www.cost.eu/actions/CA19123 | 2020-2024 | REALTEK*, Zakhar Maletskyi |
| | | SLU,  rhus Universitet, University of Hohenheim, Wroclaw University of Environmental and Life Sciences, Wageningen University, University of Kiel, CRV, LSDZAS, Vikinggenetics (Sweden), Lithuanian University of Health Sciences, Rinderzucht Schleswig-Holstein, Lithuanian Red Cattle Improvement | NFR 272347 ReDiverse Biodiversity within and between European Red Dairy Breeds, ERA Net | 2017 - 2020 | BIOVIT, Theo Meuwissen |
| | | SLU, Universit  Paul Sabatier Toulouse, University of Aberdeen, Wageningen University, UNITUS (Italia), Maribohillesh g, University of Oxford, Solynta (Netherlands) | H2020 Marie Sklodowska-Curie ITN European Training Network: Pathogen Informed Resistance to Oomycete Diseases in Ecosystems, Agriculture and Aquaculture | 2018 - 2022 | BIOVIT, May Bente Brurberg |
| | | 13 countries | H2020 – Nextfood (Innovative Science & Education for Sustainable Agriculture) | 2018 - 2022 | BIOVIT, Geir Lieblein |
| | | 38 institutions | H2020 Research and Innovation action 727312 Breeding Forage and Grain Legumes to Increase EUs and China’s Protein Self-sufficiency | 2017 - 2021 | BIOVIT,  shild Ergon |

| | | | | | |
|--|--|---|--|-------------|--|
| | | 30 countries | COST Action CA15134 GroupHouseNet Synergy for preventing damaging behaviour in group housed pigs and chickens. http://www.cost.eu/COST_Actions/ca/CA15134?parties http://www.grouphousenet.eu/about-2 | 2016 - 2020 | VET/ProdMed, Andrew Janczak/Judit Vas |
| | | 10 partners, 7 European (non-Norwegian) | H2020 - 871631 - RoBUTCHER | 2020 - 2023 | REALTEK*, Alex Mason |
| | | University of Bologna + partners | H2020-ENV Climate action, environment, resource efficiency, and raw materials. RURITAGE project, https://www.nmbu.no/en/projects/node/35006 | 2018 - 2022 | LANDSAM*, Annegreth Dietze-Schirdewahn |
| | | 15 partners | H2020 project “Community based policing and post-conflict police reform” (ICT4COP). https://www.nmbu.no/en/faculty/landsam/departement/noragric/research/clusters/chsd/projects-and-activities/ict4cop/partner-institutions | 2015 - 2021 | LANDSAM/Noragric*, Ingrid Nyborg |
| | | 30 countries | COST Action CA15134 GroupHouseNet Synergy for preventing damaging behaviour in group housed pigs and chickens. http://www.cost.eu/COST_Actions/ca/CA15134?parties http://www.grouphousenet.eu/about-2 | 2016 - 2020 | VET/ProdMed, Andrew Janczak |
| | | 10 European research groups from 7 countries (Germany, Netherlands, Norway, UK, Turkey, Austria, Italy) | FP7 Marie Curie ITN Oxytrain | 2016 – 2020 | KBM*, Morten Sørli & Vincent Eijsink |
| | | | H2020 - NFR817992 - ERA-NET BlueBio: ImproveAFish | 2020 - 2023 | BIOVIT*, Phil Pope |
| | | Network of 45 countries | ISEKI-Food Association – Integrating Safety and Environment Knowledge In Food towards European Sustainable Development | Ongoing | KBM*, Trude Wicklund |

| | | | | | |
|--|--|---|--|-------------|---------------------------|
| | | 2 countries. European Molecular Biology Laboratory (EMBL-Heidelberg), Germany; University of Lausanne, Switzerland. | JPIAMR-funded consortium project | 2019 - 2022 | KBM*, Morten Kjos |
| | | >5 countries | EU H2020 BBI-JU project | 2018 - 2021 | KBM*, Dzung Diep |
| | | INTERREG. Province of Groningen The Netherlands, Foundation De Zilte Smaak, NL, SPNA Agresearch NL, Salt Farm Foundation NL, Wadden academy NL, VIFU DK, Taste of Denmark DK, Oekowerk Emden Germany, University of Lincoln UK, University of Gothenburg Sweden, ILVO Belgium, Flemish Land Agency B. | Salfar Saline Farming - Innovative agriculture to protect environmental and economic growth. | 2017 - 2022 | MINA*, Ásgeir Almás |
| | | ERA-NET co-funding (FACCE_ERA-GAS), EU via NFR: Aarhus University DK, Karlsruhe Institute of Technology, Germany, INRA France, Norwegian center for Organic Agriculture, SLU, Scottish Rural College UK, RSK Adas Ltd UK | RESIDUE Organic residues in soil | 2017 - 2020 | MINA*, Marina Bleken |
| | | ERA-NET co-funded (Biodiversa), EU via NFR, Univ East Anglia, IRSTEA Montpellier, Virginia Polytechnic, | BONDS balancing biodiversity conservation in Amazonian wetlands | 2019 - 2021 | MINA*, Torbjørn Haugaasen |
| | | HERA Co-funding EU via NFR, University of Copenhagen Denmark, ETH Zürich Switzerland, 'Federico II' University Italy | PuSH Public Spaces in Social Housing | 2019 - 2021 | LANDSAM; Melissa Murphy |
| | | ERA-NET co-funded (Biodiversa), EU via NFR. Univ. of Duisburg Essen Germany, IRSTEA Lyon, France | OSCAR (<i>Effekter av kantsoner langs vassdrag</i>) | 2017 - 2020 | MINA*, Jan Vermaat |
| | | ERA-NET JPI WATER cofund, EU via NFR: NIVA, IGB Berlin, Univ | MADMACS, development of aquatic macrophytes | 2019 - 2021 | MINA*, Jan Vermaat |

| | | | | | |
|--|--|---|--|-------------|-----------------------------------|
| | | Rennes, UNIV Federal do Parana, Rhodes Univ South Africa | | | |
| | | FACCE-ERA-GAS cofunded, EU via NFR. National University of Ireland, TEAGASC Ireland, Aarhus Univ DK, Thunen Inst Germany, SLU, Univ Helsinki Finland, NERC UK, INRA France, Univ Otago New Zealand | MAGGE pH Mitigating agricultural greenhouse gas emissions by improved pH management of soils | 2017 - 2020 | MINA*, Peter Dörsch |
| | | CONCERT JPI via NFR: The consortium consists of 34 National Programme Managers and Programme Owners from 23 European Member States + Norway and Switzerland, and 4 radiation protection associations being MELODI, ALLIANCE, NERIS and EURADOS. | EURATOM 268909/E50- CONCERT | 2016 - 2020 | MINA*, Brit Salbu |
| | | European Radiation Protection Agencies (Germany, Belgium, France, Spain, UK, Finland, Estonia) | COMET-TERRITORIES NFR/EU-STRA (radiation protection) | 2019 – 2020 | MINA* Lindis Skipperud |
| | | FACCE-ERA-GAS co-funding via NFR: Finnish Meteorological Institute; Wageningen University, Netherlands; Transylvania University of Brasov, Rumania; SLU; US Forest Service | FORCLIMIT Mobilizing and Monitoring Climate Positive Efforts in Forests and Forestry | 2017 - 2020 | MINA*, Erik Næsset |
| | | Boku Vienna, INFR France, TU München, Forest Sciences Centre Catalonia, ISA Portugal | ERANET-Forestvalue: NOBEL | 2019 - 2020 | MINA*, Terje Gobakken/Erik Næsset |
| | | Many partners. See website: https://www.nmbu.no/en/projects/sieugreen/node/33440 | H2020 IA SFS 48. SiEUGreen Resilient and resource-efficient value chains. | 2018 - 2021 | MINA*, Petter Jensen |
| | Ukraine, Belarus, Tajikistan, Moldova, | 13 universities, 7 countries. Ukrainian State University of Chemical Technology, Ukraine: National Technical University of | Water Harmony II. Funded by the Norwegian Agency for International Cooperation and Quality Enhancement in Higher Education (DIKU), Eurasia | 2015 – 2021 | REALTEK*, Harsha Ratnaweera |

| | | | | | |
|--|---------------------------|---|---|-------------|---|
| | Kazakhstan, Kyrgyzstan | Ukraine, Cherkassy State Technological University, National University of Water Management; Belarus: Belarussian State Technological University; Kazakhstan: South Kazakhstan State University, Silkway University; Tajikistan: Mining-metallurgical institute of Tajikistan, Tajik Technical University; Moldova: Technological University of Moldova; Kyrgyzstan: Kyrgyz National University, Kyrgyz-Russian Slavic University. | programme. Educational cooperation. www.waterh.net | | |
| | | The Queen's University of Belfast (Coordinator), Universite de Liege, The University Court of the University of Aberdeen, Universidad Austral de Chile, Veterinærinstituttet, Folkehelseinstituttet, Institut National de la Recherche Agronomique, Protoqsar 2000 SL, BioDetection Systems B.V. | H2020-MSCA-ITN-2016, PROTECTED | 2016 – 2021 | Vet/PRODMED*, Erik Ropstad |
| | | Universita Degli Studi Di Milano (Coordinator), Skretting Aquaculture Research Centre AS, Universiteit Gent, Biofabrics LDA, Israel Oceanographic and Limnological Research Limited, | H2020-FETOPEN-2018-2019-2020-01, Fish-AI | 2018 – 2020 | Vet/BASAM*, Trond M. Kortner |
| | | Muséum National d'Histoire Naturelle, France; Universitat Politècnica de València, Spain; Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany; Hebrew University of Jerusalem, Israel; University of South | IMPRESS H2020-MSCA-ITN-ETN-642893 | 2015 - 2020 | Vet/ProdMed/Prepat, Ian Mayer, Finn-Arne Weltzien |

| | | | | | |
|--|--|--|---|-------------|----------------------------------|
| | | Bohemia, Germany; ZFSCREENS; PROiSER R&D. Other partners: Norwegian Institute for Nature Research; Generalitat Valenciana, C. Cofradia de Pescadores de El Palmar; D. Galilee Caviar Cooperative Society Ltd; E. Fischzucht Rhönforelle GmbH & Co | | | |
| | | Newcastle University, U.K.; Institut de Recerca Biomedica de Lleida, Spain; Universidad de Lleida; The University of St. Andrews, Scotland; The Open University of Israel; University of Bern, Switzerland; Scotland's Rural College; Utrecht University, Netherlands; Research Institute For Agriculture, Fisheries and Food, Belgium; Hendrix Genetics Research, Technology & Services BV, Netherlands; Trinity College Dublin, Ireland; Vencomatic Group BV; Noldus Information Technology BV; Max Planck Institute for Ornithology; University of Veterinary Medicine, Vienna; Linköpings Universitet; The Lakes Free Range Co. Ltd; Universiteit Gent; Tel Aviv University. | The ChickenStress European Training Network, H2020-MSCA-ITN-ETN 812777 | 2019 - 2022 | Vet/MatiInf*, Jannicke Nordgreen |
| | | Nordic partners | NENUN (Nordic Environmental Nucleotide Network). | Ongoing | KBM*, Åsa Frostegård |
| | | Nordic research collaboration | KTH, Sweden; Aalborg University; Denmark; Aalto University, Finland. Research Development and Research School – Land Management and Planning. | Ongoing | LANDSAM*, Knut Bjørn Stokke |

| | | | | | |
|--|--|--|--|-------------|------------------------------|
| | | Nordic and Baltic countries | SNS ('Samnordisk skogsforskning'). Funding for conferences, network activities. Forest economy. | Ongoing | MINA*, Sjur Baardsen |
| | | Nordforsk, Nordic Council of Ministers: NIVA, SLU, Aarhus Univ., SYKE Finland, Univ. Oulu | Nordic Center of Excellence BIOWATER: the effects of a bio-economy on catchment scale water quality and quantity | 2017 - 2022 | MINA*, Jan Vermaat |
| | | Nordic network | Public spaces in declining rural areas Network funded by NORDFORSK | 2019 - 2020 | LANDSAM*, Inger-Lise Saglie |
| | | Nordic research collaboration, NordRegion, Sweden, Aalto University, SLU, Täby Municipality, Sweden, Vilhelmina Municipality, Sweden, Aarhus Municipality, Denmark, Stavanger Municipality, Norway Espoo Municipality, Finland Ii Municipality, Finland | Nordforsk funded research: NORDGREEN – Smart planning for health and green Nordic cities. | 2020 - 2023 | LANDSAM*, Geir Aamodt |
| | | University Autonomo of Barcelona, Politecnico di Milano, Municipality of Milan, Municipality of Barcelona | Erasmus+ Strategic Partnership. ECASS-European Cities Against School Segregation | 2019 - 2022 | LANDSAM/BYREG, Roberta Cucca |
| | Poland, Romania, Israel, Australia, USA, Singapore, Sweden | 11 partners from 8 countries: University of Warmia and Mazury in Olsztyn (PL), Ben Gurion University (IL), Gheorhe Asachi Technical University of Iasi (RO), IVA Swedish Environmental Institute (SE), University of Technology Sydney (AU), National University of Singapore (SG), Michigan State University (US), Qingdao University of Technology (CN). | EU ERANET Water JPI: NFR 300517: "Closing the Water Cycle Gap with Harmonised Actions for Sustainable Management of Water Resources - WATER HARMONY" | 2019 - 2022 | REALTEK, Harsha Ratnaweera |
| | Belgium, Poland, Germany, Cyprus, Romania | University of Applied sciences and arts-Lippe (DE), Istanbul Technical University (TR), KU Leuven (BG), University of Cyprus, University of Galati (RO) | Digitalization of water industry by innovative graduate water education – DIGIWAT. EU Erasmus+ Knowledge Alliances | 2020-2023 | REALTEK, Harsha Ratnaweera |

| | | | | | |
|--|---------|--|---|-------------|---|
| | | | | | |
| | Austria | Boku University, Vienna | FunEnzFibres – Forest Value research project | 2019 – 2022 | KBM*, Vincent Eijsink |
| | | Boku University, Vienna | Collaborating partners project “Unravelling the secrets of oxidative biomass decomposition” | 2018 - 2021 | KBM*, Vincent Eijsink |
| | | European Forest Institute Regional Center in Vienna (and LUKE, Finland) | Decision making support for forest ecosystem services in Europe Funding: EU via NFR. Arkiv 16/04812 | 2017 - 2020 | MINA, Birger Solberg |
| | | University of Natural Resources and Life Sciences Vienna, Agrobiotechnology Tulln (IFA-Tulln) | SusCrop ERA-NET project WheatSustain “Knowledge-driven genomic predictions for sustainable disease resistance in wheat” | 2019 - 2022 | BIOVIT/IPV, Morten Lillemo |
| | Denmark | Aarhus University; Agricultural University of Iceland; Lithuanian Research Centre for Agriculture and Forestry; Latvia University of Agriculture; Graminor AS, Boreal Plant Breeding; DLF Trifolium; Lantmännen ek för; Estonian Crop Research Institute | Research: Perennial Ryegrass, Public and private funding | 2015 - 2020 | BIOVIT/IPV*, Odd Arne Rognli |
| | | University of Copenhagen | R&D project, research/Research Council of Norway- funding. | 2018 - 2022 | BIOVIT/IHA*, KBM*, Anna Haug and Bjørg Egelandssdal |
| | | University of Copenhagen | NFR 237841/O30 Foods of Norway | 2015 – 2023 | BIOVIT/IHA, Margareth Øverland |
| | | Aalborg University and 8 partners (from Sweden, Germany, Switzerland, Austria, the Netherlands, Belgium) | “Quantification of synergies between Energy Efficiency first principle and renewable energy systems” (sEEnergies), funded by EU Horizon 2020. | 2019 - 2021 | LANDSAM* Department of Urban and Regional Planning, Petter Næss |
| | Estonia | University of Tartu, Priit Valjämäe | Bilateral collaboration | Ongoing | KBM*, Morten Sørli & Vincent Eijsink |
| | Finland | European Forest Institute | Multilateral collaboration | Ongoing | MINA*, Alexander Moiseyev |
| | | University of Helsinki, University of Lapland, University of Oulu, Natural Resources Institute Finland, Umeå University, SLU Uppsala, Dalarna | Reindeer husbandry in a Globalizing North, adaptations and pathways for actions (NordForsk) | 2016 – 2020 | BIOVIT/IHA*, Øystein Holand |

| | | | | | |
|--|---------|---|--|-------------|---|
| | | University, NordGen, Svenskt Fjäll- og samemuseum, University of Reading, Heriot Watt University (Edinburgh), University of Waikato (New Zealand), Concordia University (Canada) | | | |
| | | University of Lapland/ Arctic Centre (consortium of 21 institutions) | EU Research and Innovation action/ EU Horizon 2020 | 2020 - 2024 | LANDSAM/Noragric*, Andrei Marin |
| | | University of Helsinki (and SLU, Sweden) | SNS-funding to the Centre of Advanced Research (CAR) "The Nordic forest-based sector in the bioeconomy – NOFOBE" Nordic Forest Research (SNS). Arkiv 15/03305. | 2016 - 2020 | MINA, Hans Fredrik Hoen |
| | | Natural Resources Institute Finland (LUKE); Wageningen University, the Netherlands; NIBIO, Norway. | NFR/Bionær | 2020 – 2024 | MINA*, Tron Eid, Terje Gobakken, Maarit Kallio, Hans Fredrik Hoen, Torjus F. Bolkesjø, Per Kr. Rørstad |
| | | VTT Technical Research Centre | FunEnzFibres – Forest Value research project | 2019 – 2022 | KBM*, Vincent Eijsink |
| | France | Université de Reims et Marseille, Actalia («the Research and Technology Institute for the French food sector») | STRIP; 2018-2021. French Research Council | 2018 - 2021 | VET/MaInf*, Lucy Robertson |
| | | Ayming (IND); Nederland: University of Groningen, BTG Biomass Technology Group (SME); UK: Aston University; Belgium: Ghent University; Germany: DLR, German Aerospace Center (RTO); Sweden: Rise Innventia AB (RTO); Italy: Sapienza University of Rome. | EU H2020 ABC-Salt | 2018 - 2021 | REALTEK*, Espen Olsen and Ruth Heidi Samuelsen Nygård |
| | Germany | Research Center Jülich (coordinator); Bavarian Academy of Sciences; Barcelona Supercomputing Centre; | EC FET-HPC project "DEEP-EST", grant number 754304 | 2017 – 2020 | REALTEK*, Hans Ekkehard Plessner |

| | | | | | |
|--|-------------|--|---|-------------|--|
| | | Megware GmbH; U Heidelberg; Extoll GmbH; U Edinburgh; Fraunhofer Society; KU Leuven; Astron Foundation; National Centre for Supercomputing Applications, Bulgaria; U Iceland; CERN | | | |
| | | Bundesinstitut für Risikobewertung (other partners in Italy, Sweden, Latvia and U.K.) | EFSA, IMPACT | 2019 – 2020 | VET/Matinf*, Lucy Robertson |
| | | University of Münster, Bex-Biotec GmbH & Co. KG | NFR 305215: «From LIGNOcellulose sugars to high-value LIPids and bioPolymers in a single fermentation process» | 2020 - 2022 | REALTEK, Volha Shapaval |
| | | Bavarian State Research Center for Agriculture (LfL) | SusCrop ERA-NET project WheatSustain “Knowledge-driven genomic predictions for sustainable disease resistance in wheat” | 2019 - 2022 | BIOVIT/IPV, Morten Lillemo |
| | | Max Planck Institute for Chemical Energy Conversion, Mulheim, Germany | ERC Synergy Grant “Unravelling the secrets of Cu-based catalysts for C-H activation (CUBE)” | 2020 - 2026 | KBM*, Vincent Eijsink |
| | Ireland | University College Dublin | SusCrop ERA-NET project WheatSustain “Knowledge-driven genomic predictions for sustainable disease resistance in wheat” | 2019 - 2022 | BIOVIT/IPV, Morten Lillemo |
| | | LacPatrick Dairies/Teagasc (Ireland), Agriculture & Agrifood (Canada) | NFR project 255324/E50 "Sustainable cattle production on roughage" | 2016 - 2020 | BIOVIT/IHA*, Laila Aass |
| | | University of Iceland, UNIS | Preparatory support for the initiation of joint grant applications, DIKU/Rannis grant | 2020 - 2021 | REALTEK*, Harsha Ratnaweera |
| | Italy | University of Turin | ERC Synergy Grant “Unravelling the secrets of Cu-based catalysts for C-H activation (CUBE)” | 2020 - 2026 | KBM, Vincent Eijsink |
| | Netherlands | Wageningen University, University of Stirling (total 7 partners) | NFR248792/O70 – Towards the Digital Salmon (Digisal) | 2016 - 2020 | BIOVIT/IHA*, Jon Olav Vik |
| | | The Netherlands Organization for Applied Scientific Research, TNO | R&D project, research/Research Council of Norway- funding. | 2018 - 2022 | BIOVIT/IHA/KBM, Anna Haug and Bjørg Egelanddal |

| | | | | | |
|--|----------|--|---|-------------|---|
| | | National Institute for Public Health and Environment, Centre for Nutrition, Prevention and Health Services | NFR-project 25503 Bionær: Farm based dementia care. | 2016 - 2020 | LANDSAM/ Dept of Public Health Science, Grete Patil and Ingeborg Pedersen. |
| | Poland | International Institute of Molecular and Cell Biology Warsaw, Poland | NFR program POLNOR https://www.ncbr.gov.pl/en/programmes/international-programmes/iii-edition-of-eea-and-norway-grants/polnor-2019-call/ | 2020 - 2023 | KBM/Dzung Diep |
| | Portugal | National Laboratory of Energy and Geology (LNEG) & New University of Lisbon (UNL) | Collaborating partners, “OxyMod” project, Centre for Digital Life. | 2017 - 2021 | KBM*, Vincent Eijsink |
| | Scotland | University of Edinburgh | Institutional cooperation agreement on research, teaching and supervision | Ongoing | BIOVIT/IHA*, Theo Meuwissen |
| | Spain | INIA (coordinator). Other partners: SLU (Sweden), University of Newcastle (UK), INRA (France), Iowa State University (USA), University of New England (USA), IFIP (France), ITACYL (Spain) | ERA-Net/NFR 272334 SusPig – Sustainability of pig production through improved feed efficiency | 2017 - 2020 | BIOVIT/IHA, Margareth Øverland |
| | Sweden | Swedish University of Agricultural Sciences (SLU) - Uppsala | Research Development and Research School – Architecture and Planning in the Urban Landscape | Ongoing | LANDSAM*, Karsten Jørgensen |
| | | SLU and University of Copenhagen, Faculty of Health and Medical Sciences | Research collaboration on Epilepsy-epidemiology: Epidemiological studies of epilepsy in dogs. Partly funded by Agria. | Ongoing | VET/Dept. of Companion Animal Clinical Sciences (SpFaMed)*, Karin Hultin Jäderlund/Ane Nødtvedt |
| | | Swedish University of Agricultural Sciences (SLU) | Conflict, violence and environmental change. Research collaboration funded by SLU. | 2016 - 2020 | LANDSAM*, Siri Eriksenaamodt |
| | | SLU and University of Copenhagen (Denmark) | Matfond agreement | 2017 - 2020 | VET/Dept. of Food Safety and Infection Biology (Matinf)*, Lucy Robertson, Kristoffer Tysnes |

| | | | | | |
|--|--------------------|---|---|----------------------------|---|
| | | SLU Umeå, Aarhus University, Lethbridge Research Centre Agriculture and Agri-Food Canada | NFR 295207. Strategies in grass silage production to mitigate enteric CH ₄ emissions from ruminants | 2019 - 2023 | BIOVIT/IHA, Ingjerd Dønnem |
| | | Sveriges Lantbruksuniversitet (SLU) Umeå University | SLU/HUV 23777 - FORMAS NFR/FRIPRO project: DENCLIM project | 2020 - 2021 2018 - 2021 | BIOVIT*, Egil Prestløyken REALTEK*, Hans Overgaard |
| | Sweden, Denmark | Energiforsk AB | Nordic Clean Energy Scenarios 2020 | 2020 | MINA*, Torjus F. Bolkesjø, Jon Gustav Kirkerud, Yi-kuang Chen |
| | Switzerland | 116 partner institutions from 19 countries; coordinator EPFL. | “Human Brain Project”, a European Commission Future and Emerging Technologies Flagship project (Framework Partnership Agreement 650003) | 2013 – 2023 | REALTEK*, Hans Ekkehard Plessner and Gaute Einevoll |
| | | Hochschule Rapperswill | NFR, From place-based resources to value-added experiences (BIOTOUR) | 2016 - 2020 | LANDSAM, Knut Bjørn Stokke and Morten Clemetsen |
| | | ETH Zürich, Switzerland; Chinese Academy of Science; University of Bergen, NTNU, Norwegian Research Centre | NFR | 2019 – 2022 | MINA*, Kari Klanderud |
| | Ukraine | Ukrainian State University of Chemical Technology (together with Kazakhstan and Tajikistan) | Funded by the Norwegian Agency for International Cooperation and Quality Enhancement in Higher Education (DIKU), Eurasia programme. Educational cooperation | Ongoing | REALTEK*, Harsha Ratnaweera |
| | | | CPEA-2015/10108 - Joint Ukrainian-Norwegian education programme. Funded by the Norwegian Agency for International Cooperation and Quality Enhancement in Higher Education (DIKU). | 2016 - 2020 | MINA*, Ole Christian Lind |
| | | Ukrainian Institute of Agricultural Radiology (National University of Life and Environmental Sciences of Ukraine) | NFR 223268/F50 | 2013 - 2022 | BIOVIT, Jorunn Elisabeth Olsen |
| | U.K. | Durham University | Economic and Social Research Council (ESRC). Security on the Move: Everyday security of IDPs in rapidly growing Somali cities (Research) | 2017 – 2020 | LANDSAM/Noragric*, Kirsti Stuvøy |

| | | | | | |
|------------------------|--|--|--|-------------|--|
| | | Sainsbury Laboratory, Norwich Research Park | GENE innovate, IPN project | 2018 - 2021 | BIOVIT/IPV*, Trine Hvoslef-Eide |
| | | London School of Hygiene and Tropical Medicine | NFR/FRIPRO project: DENGUE-INDEX project. | 2016 - 2020 | REALTEK*, Hans Overgaard |
| | | University of Lincoln | Collaboration agreement, internally funded. | Ongoing | REALTEK*, Pål Johan From, Morten Lillemo |
| | UK, Germany, the Netherlands, France, Italy, Greece, Spain, Poland | 24 partners | H2020-SFS-2018-2. EU Project nr 817923; AQUA-FAANG: Advancing European Aquaculture by Genome Functional Annotation | 2019 - 2023 | BIOVIT/IHA*, Sigbjørn Lien |
| CENTRAL AMERICA | Mexico | International Maize and Wheat Improvement Center (CIMMYT) | NFR project “Reliable and efficient high-throughput phenotyping to accelerate genetic gains in Norwegian plant breeding (vPheno)” | 2017 - 2021 | BIOVIT/IPV, Morten Lillemo |
| | | International Maize and Wheat Improvement Center (CIMMYT) | SusCrop ERA-NET project WheatSustain “Knowledge-driven genomic predictions for sustainable disease resistance in wheat” | 2019 - 2022 | BIOVIT/IPV, Morten Lillemo |
| SOUTH AMERICA | Brazil | UNESP (Universidade Estadual Paulista), Brasil | General MoU: Research, education, cooperation/ exchange, project development, see 15/02718-3 | 2015 - 2020 | MINA*, Torbjørn Haugaasen |
| | | PUC (Pontifical Catholic University of Rio de Janeiro) | DIKU – UTFORSK 2016 – Long-term project funding – Project document” “UTF-2016-long-term/10097 –Vision-based control with applications to robotic systems | 2017 - 2020 | REALTEK*, Pål Johan From |
| | | The Institute of Physics of São Carlos, University of São Paulo (USP), Prof. Igor Polikarpov | Collaborating partners project “Unravelling the secrets of oxidative biomass decomposition” | 2018 - 2021 | KBM*; Vincent Eijsink |
| | Chile | University of Santiago de Chile, Pontifical Catholic University of Valparaíso | NFR 294821 Trained immunity and nutritional programming for resilient salmon | 2019 – 2023 | BIOVIT/IHA*, Margareth Øverland |
| | Colombia | Universidad Industrial de Santander | Institutional collaboration. | 2015 - 2020 | LANDSAM/Noragric*, John McNeish |

| | | | | | |
|----------------------|--|--|---|----------------------------|---|
| NORTH AMERICA | Canada | Univ. of British Columbia and several others: http://ibis.geog.ubc.ca/itex/ | The International Tundra Experiment: network of researchers examining the impacts of warming on tundra ecosystems. Research teams at more than two dozen sites throughout the world carry out similar, multi-year manipulation experiments that allow them to examine vegetation change across the tundra biome. National, IASC (workshops), IPY syntheses. | Ongoing | MINA*, Kari Klanderud |
| | | Agriculture and Agri-Food Canada | SusCrop ERA-NET project WheatSustain “Knowledge-driven genomic predictions for sustainable disease resistance in wheat” | 2019 - 2022 | BIOVIT/IPV, Morten Lillemo |
| | | Lethbridge Research Centre Agriculture and Agri-Food Canada | Norwegian Research Council (NFR) funded. NFR-296204. Developing an industry standard for use of 3-NOP as a strategy to reduce methane emission from Norwegian cattle | 2019 - 2023 | BIOVIT/IHA*, Margrete Eknæs |
| | | University of Toronto | Bilateral collaboration | Ongoing | KBM*, Vincent Eijsink |
| | USA | University of Minnesota (NOCC collaboration agreement) | Research projects, student exchange (Tripartite agreement between UMN, NMBU, UiO). | 2019 - 2023 | Coordinated by NMBU’s Dept. of Research, Ragnhild Solheim/Joanna Boddens-Hosang |
| | | University of Minnesota (NOCC collaboration agreement) | Research project, “Characterization of Resistance Mechanisms to Antibiotics and Antimicrobial Peptides” | 2018 - 2020 | KBM*, Dzung Diep |
| | | University of Minnesota (NOCC collaboration agreement) | Research project, “Metric and framework for quantifying antimicrobial resistance selection pressures within aquatic environmental interfaces” | 2018 - 2020 | VET*, Henning Sørum |
| | | University of Minnesota (NOCC collaboration agreement) | Research project, “Multi-omics platform for characterizing microbiomes and their role in health, disease and environment” | 2018 – 2020 | KBM*, Magnus Øverlie Arntzen |
| | University of Minnesota (NOCC collaboration agreement) | Research project, “Genetic variability and virulence of piscine toti-like viruses in Norwegian salmon and Golden shiners in Minnesota” | 2018 – 2020 | VET*, Aase Beathe Mikalsen | |

| | | | | | |
|--|---------------------------|---|---|----------------------------|---------------------------------------|
| | | Boston University | NFR project “Reliable and efficient high-throughput phenotyping to accelerate genetic gains in Norwegian plant breeding (vPheno)” | 2017 - 2021 | BIOVIT/IPV, Morten Lillemo |
| | Canada, USA, China, Japan | 7 partners, 5 countries. University of British Columbia (CA), University of Washington and Michigan State University (USA), Qingdao Technological University (CN), Hokkaido University (JP) | NFR, INTPART programme phase I & II. www.MEMPREX.org | 2017 – 2020 2020 - 2023 | REALTEK*, Harsha Ratnaweera |
| | Canada, USA | University of Calgary (CA), Columbia University (US) | AEC0 – Advancing ElectroCOagulation for water safety and circularity, www.aeco-project.org | 2018-2023 | REALTEK* Zakhar Maletskyi |
| | USA | State University of New York, Stony Brook, USA. | Managing nanoparticles and use of nanotechnology in water (NANOWATER), funded by DIKU | 2019-2021 | REALTEK*, Harsha Ratnaweera |
| | | University of Wisconsin | NFR 294821 Trained immunity and nutritional programming for resilient salmon | 2019 – 2023 | BIOVIT/IHA, Margareth Øverland |
| | | Rice University | NFR/FRIPRO | 2020 – 2023 | MINA*, Douglas Sheil, Richard Bischof |
| | | Duke University | US-funded | 2018 – 2021 | MINA*, Erik Aschehoug |
| | | UNT Health Science Center, Texas, USA | NFR/FRIPRO project: DENCLIM project | 2018 - 2021 | REALTEK*, Hans Overgaard |
| | | Northwestern University (and University of Toronto) | Research project /NFR. Jihad war economies project. Somalia (and Mali, Nigeria, Iraq) | 2016 – 2020 | LANDSAM/Noragric*, Stig J. Hansen |
| | | American University, Washington DC | Bilateral, research. | 2016 - 2020 | LANDSAM/Noragric*, John McNeish |
| | | American University, Washington DC | Collaboration project in research and education with the American University’s School of International Service (SIS). Funded by DIKU, Partnership programme with North America. | 2017 - 2020 | LANDSAM/Noragric*, Shai Divon |

***Abbreviations of NMBU faculties/departments:**

Faculty of Biosciences (BIOVIT):

- IPV: Dept. of Plant Sciences
- IHA: Dept. of Animal and Aquacultural Sciences

Faculty of Landscape and Society (LANDSAM):

- Department of Urban and Regional Planning
- Department of Property and Law
- Department of Public Health Science
- Department of Landscape Architecture
- Dept. of International Environment and Development Studies, Noragric

Faculty of Science and Technology (REALTEK)

Faculty of Environmental Sciences and Natural Resource Management (MINA)

Faculty of Chemistry, Biotechnology and Food Science (KBM)

School of Economics and Business (HH)

Faculty of Veterinary Medicine (VET):

- Dept. of Preclinical Sciences and Pathology (Prepat)
- Dept. of Department of Paraclinical Sciences (Parafag)
- Dept. of Production Animal Sciences, Faculty of Veterinary Medicine (ProdMed)
- Dept. of Companion Animal Clinical Sciences, Faculty of Veterinary Medicine (SpFaMed)

SIT: Student Information Centre, Dept. of Academic Affairs