

dScience – Centre for Computational and Data Science

Annual Report 2025



UNIVERSITY
OF OSLO

dScience
Centre for Computational and Data Science

Enabling interdisciplinary collaboration within computational and data science at the University of Oslo, supporting long-term research and connecting academic research with industry and the public sector.

Content

About dScience	4
dScience After Five Years	6
Roles, Tasks and Locations	10
Office and Community Services	12
Data Science Analytics	30
dScience Partner Program	44
Research and Project Development	56
Hosting Centre of Digital Life Norway and NORA	64
Staffing, the Board, and the Science Council	68

01

About dScience

dScience – Centre for Computational and Data Science connects academic research with industry and the public sector. The Centre manages and disseminates data and software to support research and innovation and provides direct support for long-term research initiatives. Its activities include fostering interdisciplinary collaborations, delivering services to the research community, providing data science analytics and technical support, and contributing to educational programmes.



Established

2021 by the Faculty of Mathematics and Natural Sciences, University of Oslo (UiO).



Mission

To advance research in computational and data science at UiO, fostering and facilitating interdisciplinary and cross sector collaboration and partnerships.



Goals

- Facilitate ground-breaking research and contribute to high-impact innovation based on excellence in computational and data science at UiO.
- Strengthen collaborative research that generates new knowledge and insights, and support its translation and application to address the problems and opportunities society most needs to solve, including the green transition.
- Facilitate co-creation of knowledge through collaborations in research between academia, industry, and the public sector.



Computational and Data Science

The field encompasses diverse areas such as machine learning, artificial intelligence (AI), digital twin technology, data and system architecture, knowledge representation, language technology, logic, statistics, computational mathematics, robotics, image and signal analysis, and sensor development. dScience also integrates expertise from the natural and social sciences, law, and humanities, with domain knowledge across various sectors.



02

dScience After Five Years



dScience was established in 2021 by the Faculty of Mathematics and Natural Sciences at UiO. The Centre's development plan defined two main phases: an initial period of consolidation (2021–2022), followed by a phase focused on growth and expansion of activities (2023–2025).

As dScience concludes its first five-year period, the Centre has firmly established itself as a strategic facilitator in computational and data science across academia, industry, and the public sector. Through sustained development of partnerships, large-scale research initiatives, and research support services, dScience has contributed to strengthening interdisciplinary collaboration and long-term research capacity across the University.

The year 2025 marks both the culmination of dScience's founding phase and a transition towards a new strategic horizon. Several major initiatives have reached maturity, national centres have been launched, and dScience has

taken on an increasingly clear role as a coordinating and enabling unit for complex, cross-disciplinary research.

A strategic role in national AI initiatives

In 2025, dScience continued to strengthen its position as a hub for interdisciplinary research and innovation. The Centre has played a key role in facilitating long-term, high-impact initiatives in computational and data science, closely aligned with national and European research priorities.

A major milestone in 2025 was the launch of TRUST – The Norwegian Centre for Trustworthy AI, hosted by UiO with SINTEF and The Norwegian Computing Center (NR) as equal partners. Funded by the Research Council of Norway (RCN), TRUST brings together leading researchers in artificial intelligence, law, and the social sciences to address challenges related to responsible and trustworthy AI. dScience has contributed significantly to the establishment of TRUST through project development, coordination, communications, and community- and partner-building functions.

In parallel, dScience was a key contributor to MAI – The Norwegian Maritime AI Centre, hosted by Norwegian University of Science and Technology (NTNU), with dScience serving as a key coordinator at UiO.

Together, these centres reflect significant national investments in AI research and highlight how dScience can contribute strategically beyond disciplinary research, by mobilising networks, infrastructure, and project development expertise. Centre Leader Arne Bang Huseby is also chairman of the board of the AI-centre SURE-AI, hosted by Simula.

Strengthening research capacity and project development

The DSTrain programme, launched in 2024 and coordinated by dScience and the Faculty of Mathematics and Natural Sciences, became fully operational in 2025.

All 36 postdoctoral fellows are now in post and are working on interdisciplinary research projects across departments within the Faculty. The programme includes secondments with industry and public sector partners during the course of the fellowship. DSTrain has

significantly strengthened UiO's research capacity in computational and data science and is emerging as a model for future large-scale talent development initiatives at the University.

In addition, dScience has supported the initiation and further development of several research projects addressing societal and scientific challenges. These include Frisk Oslofjord (environmental monitoring and ocean health), BedreFlyt (data-driven patient logistics), as well as interdisciplinary initiatives in climate modelling and digital research infrastructure.

The dScience Partner Program

Over its first five years, the dScience Partner Program has emerged as a key strategic instrument for structured, long-term collaboration between UiO and selected partners from industry and the public sector. The program is designed to complement, not replace, project-based collaboration, with a clear focus on long-term capacity building in computational and data science.

By the end of 2025, the program includes seven strategic partners, with an ambition to expand partners over time.

Through a combination of financial contributions from partners and academic engagement from UiO, the programme supports networking activities, thematic working groups, and early-stage project development.

A central feature of the programme is its strategic advisory committee, chaired by a representative appointed by NHO. The committee provides input on long-term research needs, skills development, and research policy. The programme has already contributed to the development of several major initiatives, including DSTrain, TRUST, and MAI, by facilitating early dialogue between researchers and external stakeholders.

Although still relatively young, the Partner Program is assessed as strategically well designed in the 2025 self-evaluation. Its full impact is expected to unfold over time, as partnerships mature and collaborations develop into sustained research projects and centres.

Building and sustaining research communities

Community building remains a cornerstone of dScience's operating model. In 2025, more than 4,200 participants engaged in dScience activities through seminars, workshops, partner meetings, conferences and flagship events. Data Science Day alone brought together over 300 participants from academia, industry, and the public sector.

For the first time in 2025, dScience also played an active role in organising The Week, a career-oriented event primarily aimed at PhD candidates, postdoctoral fellows, and early-career researchers.

These meeting places provide important forums for dialogue, networking, and idea development, and are instrumental in supporting the success of large, interdisciplinary research initiatives.

Research support and infrastructure

The scientific programming and data science support services developed within dScience have become an essential part of UiO's research infrastructure. Demand for these services continued to grow in 2025, particularly among early-career researchers and research groups without dedicated technical resources.

In close collaboration with the UiO IT Department and other infrastructure providers, dScience supports projects requiring advanced programming, data management, and computing capabilities, including access to high-performance computing and sensitive data platforms. Initially developed for the Faculty of Mathematics and Natural Sciences, this model is now considered for university-wide implementation.

Evaluation and future outlook

In 2025, dScience completed a comprehensive self-evaluation as preparation for an external evaluation planned for 2026. The review confirmed that the Centre has delivered on its core mission: enabling long-term, interdisciplinary research in computational and data science.

The evaluation highlighted dScience's strong alignment with UiO's research strategy, its effectiveness in project development, its strategic role in collaboration with industry and the public sector, and its growing visibility. It also underscored the Centre's unique value as a flexible and agile unit, capable of rapidly mobilising across disciplines and bridging academic research with societal needs.

As dScience enters its next phase, these strengths provide a solid foundation for further development and for an expanded role in shaping UiO's future within data science, artificial intelligence, and digital research infrastructure.



dScience Centre Leader Professor Arne Bang Huseby opening the popular Data Science Day 2025.

03

Roles, Tasks and Locations

The dScience Board (listed at the end of this report) has overall responsibility for dScience's priorities and strategy. dScience organises its work based on four units. In 2025, the Centre was led by Professor Morten Dæhlen until August, and then Professor Arne B. Huseby from September.

The Centre's work is carried out through four units:

1. Office and Community Services
2. Data Science Analytics Group
3. The dScience Partner Program
4. Project Development

For dScience operations, the dScience Council serves as a sounding board and advisory committee for the centre leader. It meets regularly and has during 2025 consisted of 12 members – professors from across the Faculty's disciplines.

The dScience Council advises on strategic choices for dScience within all dScience activities, and especially on project development. Members of the dScience Council are listed at the end of the report.

dScience is located in the Kristine Bonnevie building at Blindern with 16 office spaces and a small meeting room, as well as a lounge/ meeting area that can accommodate up to 40 visitors. The office community comprises of the dScience administration, the NORA – Norwegian Artificial Intelligence Research Consortium secretariat, as well as UiO's employees at Centre for Digital Life Norway (DLN).

Together with the three initiatives UiO Growth House, UiO:Energy and Environment, and UiO:Life Science, dScience also had 10 office spaces and meeting room facilities in the Oslo Science Park.

The units interact closely, ensuring coordinated and holistic management across dScience's activities.



04

Office and
Community Services

Office and community services at dScience encompass coworking spaces, events, networking activities, and communication efforts that support and strengthen the computational and data science community. Achieving dScience's objectives depends on effective internal and external communication, enabled through strategic use of the dScience website, social media channels, and newsletters.

Creating meeting places is a core element of dScience's mission, bringing together academia, industry, and the public sector to promote collaboration and innovation.

In 2025, key achievements included the continued success of the dScience lunch seminar series, the launch of a new AI seminar series, the annual Data Science Day, a more extensive role in The Week (career week) and support for a range of key events, workshops, and international conferences. These initiatives have contributed to a more connected and robust computational and data science community at UiO.



The crew behind the scenes at the successful FENS conference supported by dScience in June 2025.



Data Science Day 2025.



Data Science Day 2025.



In 2025 we experienced a record number of participant at the dScience lunch seminars in The Science Library at UiO.

Creating Meeting Places

In 2025, dScience's meeting places continued to demonstrate strong impact as key arenas for networking and collaboration. Bringing together the computational and data science community at UiO has long been a core objective, complemented by active engagement with partners from both the private and public sectors.

Several factors underpin the success of these meeting places. A central strength is dScience's ability to attract high-quality speakers, ranging from PhD candidates to leading international scholars, and to curate programmes addressing topics of clear relevance to its target audiences. Well-established academic and professional networks enable early identification of potential contributors, while efficient invitation and coordination processes ensure

smooth delivery of events. The reach and impact of the meeting places are further extended through strong peer-to-peer dissemination, as participants actively recommend the seminars to colleagues and collaborators with shared interests.

dScience Lunch Seminar Series

The meeting place that perhaps best represents this is the dScience lunch seminar series. In this popular series we have had a steady increase of participants through 2025 and every week we see great engagement and constructive connections made between PhD students, postdocs, various researchers and representatives from industry and public sector.



The Science Library was buzzing Thursday 13 November as Professor Marianne Fyhn delivered an excellent lunch seminar on how the brain forms, stores and strengthens memories.



Jonathan Goldenberg, DSTrain Postdoctoral Fellow.



Excellent panel discussing AI and the future of work at Data Science Day 2025. From left: Arne Bang Huseby, Ruth Astrid Sæter, Kaj-Robin Weslien, Ian Hildebrand, Vegard Flovik, Alise Midtfjord Lohre, Daniel Bakkelund, Camilla Lingjærde, Julie Natland Bjørnstad.



Ágnes Király, Researcher, Department of Geosciences.



Valeriia Liakh, DSTrain Postdoctoral Fellow.

Data Science Day

In addition to the dScience lunch seminar series, dScience has been organising the annual Data Science Day since 2021.

Data Science Day 2025 brought together more than 300 participants from academia, industry, and the public sector at UiO. The event examined how artificial intelligence is reshaping work, skills, and education.

Through presentations and a panel discussion, the programme explored emerging professions, agentic AI, and the practical conditions for successful AI adoption and workforce transformation.

Data Science Day 2025 featured a broad range of participating companies and organisations, reflecting the event's strong links between research, industry, and the public sector.

The company stands included Bluware, Chronos AS, DNV, Experis AS, Field Geospatial AS, Fürst Medisinsk Laboratorium, Gjensidige, Intellectual Labs AS, Kartverket, Kongsberg Gruppen, MOBAI AS, Norsk Regnesentral, Oslo universitetssykehus HF, SINTEF Digital, SSB (Statistics Norway), and Tietoevry, offering students and early-career researchers valuable opportunities for dialogue, networking, and insight into real-world data science applications.



Lively and productive discussion! From left to right: Morten Dæhlen, former dScience Centre Leader, UiO; Sigrun Aasland, Minister of Research and Higher Education; Rune Karlisen, Professor at the University of Oslo and Project Lead for KnowAI; Lilja Øvrelid, Professor of Informatics at the University of Oslo and Co-Director of Integreat; Klas Pettersen, Director at SimulaMet; and Anne-Kat. Hærland, AI user expert at NORA.ai.



Read more about NORA at Arendalsuka



AI and the climate: From left to right: Morten Dæhlen, Geir Kjetil Sandve, Henrik Skaug Sætra, Elin Lerum Boasson, Bjørn Hallvard Samset, Trude Storelvmo, and Helge Jordheim during the discussion AI and Climate at Domus Bibliotheca on 11 November 2025.



Read more about the discussion

Event series on AI

The event series addresses central questions related to artificial intelligence and its implications for society and individuals. Through open conversations, UiO has provided a platform for public discussion on how AI affects democratic processes, climate and sustainability, information ecosystems, and everyday life.

The series was initiated by the dScience Council and executed by dScience staff.

UiO subsequently decided to place the series at the same institutional level as other established event series at Scene Domus Bibliotheca.

In 2025, the series achieved consistently high attendance across events covering topics such as AI and democracy, AI and elections, AI and disinformation (including manipulated news and images), AI and climate, and research communication in an AI-driven information landscape. The 2025 programme was launched at NORA's AI tent during Arendalsuka, where it attracted a high number of visitors and provided strong visibility for UiO's work on artificial intelligence.



Morten Dæhlen, former Centre Leader of dScience, joined forces with research scientists from DNV to deliver a session on Industry Collaboration for a Successful Twin Transition.

Events and Collaborative Initiatives

dScience also hosts and organises sessions featuring UiO's own academics and researchers. These sessions showcase their expertise in computational and data science at various conferences, events and other meeting places. The aim is to highlight their work and make connections across disciplines and with various industry partners for knowledge sharing and further collaborations.

The Week

The Week is a career week supported by the Faculty of Mathematics and Natural Sciences, the Faculty of Dentistry, the Natural History Museum, the Faculty of Social Sciences, dScience, and the Science Library. Together, these organisations aim to equip early career researchers with the skills, techniques, and connections needed to thrive.

On 17. January 2025, dScience hosted a full day of engaging sessions as part of The Week, designed to inspire and equip early career researchers. Held in the dScience lounge, this event brought together PhD candidates, post-docs, and researchers for valuable insights into career development. dScience also assisted The Week with other communication services.

The Norway Life Science conference 2025

Another example is the session hosted by dScience at The Norway Life Science conference 2025. The title of the session was "Technology Outlook – The Future of AI and Robotics for the Health Sector", and it examined the growing impact of AI and robotics in healthcare, and highlighting key challenges.



Professor Geir Kjetil Sandve, UiO, chaired the session "Technology Outlook – The Future of AI and Robotics for the Health Sector" at the Norway Life Science Conference 2025.



From left: Ioanna Sandvig, Chair, FRM 2025 Host Organising Committee, President, Norwegian Neuroscience Society, and Marianne Fyhn, Co-Chair, FRM 2025 Host Organising Committee Secretary General, Norwegian Neuroscience Society.

FENS - the largest regional neuroscience conference in Europe

dScience hosted the FENS Regional Meeting in June 2025 (FRM2025), Europe’s largest regional neuroscience conference. From 16-19 June 2025, more than 1,050 researchers, students, and professionals from across Europe and beyond gathered at the University of Oslo’s Blindern campus for four full days of scientific exchange and collaboration.

The conference featured 135 presentations and over 600 posters, covering a wide spectrum of topics within neuroscience, with strong representation from computational and data-driven approaches. The event was organised by the Norwegian Neuroscience Society (NNS) together with Nordic Neuroscience and national societies from Sweden, Denmark, Finland, and Iceland.



Professor Yoshua Bengio, founder of Mila and one of the world’s most influential AI researchers, took part in the official launch of TRUST – Norway’s New Centre for Trustworthy AI.

Yoshua Bengio Opens the Launch of TRUST – Norway’s New Centre for Trustworthy AI

On 10 November 2025, TRUST was officially launched at UiO with a keynote lecture by Professor Yoshua Bengio, founder of Mila and one of the world’s most influential AI researchers. The event was planned and carried out by the TRUST team, with operational and organisational support from dScience.

Future of Energy is Green and Digital

In addition to serving as the main organiser of several events, dScience also supports other relevant events at UiO in their planning and execution. dScience provided administrative and communication support to two major events: the Future of Energy – Green and Digital Conference 2025 and the Science Impact Conference 2025 “Tomorrow’s Solutions Start Today.”



The Future of Energy is Green and Digital: From left: State Secretary Torgeir Micaelsen, Professor Morten Dæhlen and UiO Rector Svein Stølen.



Professor Arnaldo Frigessi, Director of TRUST; Professor Yoshua Bengio; Sigrun Aasland, Minister of Higher Education and Research; Karianne Tung, Minister of Digitalisation and Public Governance; and Professor Malcolm Langford, Deputy Director of TRUST.



Minister for Digitalisation and Public Governance Karianne Tung, Professor Ingrid Glad (moderator), Postdoctoral Fellow Leiv Ronneberg and Professor Erik Velldal after a fruitful panel discussion.

dScience’s Digital Communication

Our main online communication channel is the dScience website where we share information about the Centre, relevant projects, research, activities, and news in Norwegian and English.

In 2025, the dScience website recorded 113,204 visits (sessions) and 148,294 pageviews, indicating steady use of the site throughout the year. On average, visitors viewed approximately 1.3 pages per visit, suggesting primarily targeted information-seeking rather than extended browsing.

Traffic was strongest in January, February, and March, with a notable peak in January. This likely reflects heightened interest related to events, announcements, or academic activity at the start of the year. One such example is the second DSTrain call for postdoctoral positions, which attracted more than 400 international applicants.

Activity declined during the summer months, reaching its lowest levels in July, before increasing again in the autumn, particularly in September and October.

Overall, the figures suggest that the dScience website functions primarily as an information and entry point for specific content, with clear seasonal variation aligned with the academic calendar.

Social Media

dScience uses LinkedIn for its social media outreach where we have an active presence with several posts every week and good engagement. The number of LinkedIn followers now exceeds 2,500, representing steady growth since 2024. This reinforces our view that the Centre’s activities are meeting the interests and needs of the target groups.

Newsletter

In 2025 we have increased the number of newsletters published and made the distribution more regular. The newsletter now has more than 1,750 subscribers.



Not a single seat was available in the “AI Tent” when moderator Øystein Sørensen, Professor at the Department of Psychology, UiO, opened Integreat’s event at Arendalsuka.

Communication Support In 2025

In 2025, dScience played a key role in strengthening the communication and outreach activities of several major national research initiatives. This included comprehensive support to the Centre of Excellence Integreat – the Norwegian Centre for Knowledge-driven Machine Learning, where dScience contributed to communication and visibility around a number of high-profile events.

Highlights included Integreat’s participation at Arendalsuka in the “AI tent”, the annual digitalisation lecture featuring Karianne Tung; and the Integreat retreat held in Oslo.

dScience also provided communication and outreach support to DSTrain, including website development, content production, social media management, event and workshop support, and targeted marketing of post-doctoral positions.



Arne Bang. Huseby, Programme Coordinator of DSTrain and dScience Centre Leader.

In addition, the dScience administration played a central role in the launch of TRUST – The Norwegian Centre for Trustworthy AI. This work included coordination of the centre launch, development of the website, and planning, marketing, and execution of the official launch event. The launch attracted a record number of participants to the University Library at UiO, reflecting strong national interest.

Finally, dScience provided targeted communication support to NORA in 2025, most notably through the promotion of the NORA Annual Conference in Halden.

In 2025, more than 4,200 participants engaged in dScience activities through seminars, workshops, partner meetings, conferences and flagship events



Lunch seminars in the lounge	Spring: 6 Autumn: 5 Number of participants varies between 10-30
Lunch seminars in the Science Library	Spring: 4 Autumn: 1 Number of participants varies between 35-80
Workshops	January 6 Version Control – Arash Ahmadi, Svenja Christiansen and Sherin Sugathan January 9: HPC Visualization using ParaView – Sherin Sugathan January 13 and 15: Project Management for Postdoctoral Researchers – Anders Kvellestad, Arash Ahmadi February 3: Getting up-to-speed with Python – Sherin Sugathan, Maiken Pedersen, Luigi Maglanoc, Knut Waagan, Arash Ahmadi March 12: AI and Time Series Anomaly Detection – Equinor March 17-18: DSTrain Workshop Seminar March 27: An Introduction to the Tsetlin Machine – NAIC and dScience June 23: Industrial AI for Safety-Critical Systems Seminar – DNV September 30: AI, data and computing in sensor systems – Kongsberg Maritime November 10 and 12: Version Control with Git – Arash Ahmadi
Other	January 9: The Future of Energy is Green and Digital February 12: Norway Life Science: Artificial intelligence in life sciences, what's next? (300) June 16-19: FENS Regional Meeting 2025 (1000) October 17: Data Science Day (300) November 7: DSTrain Kick-Off Seminar
Total events	33



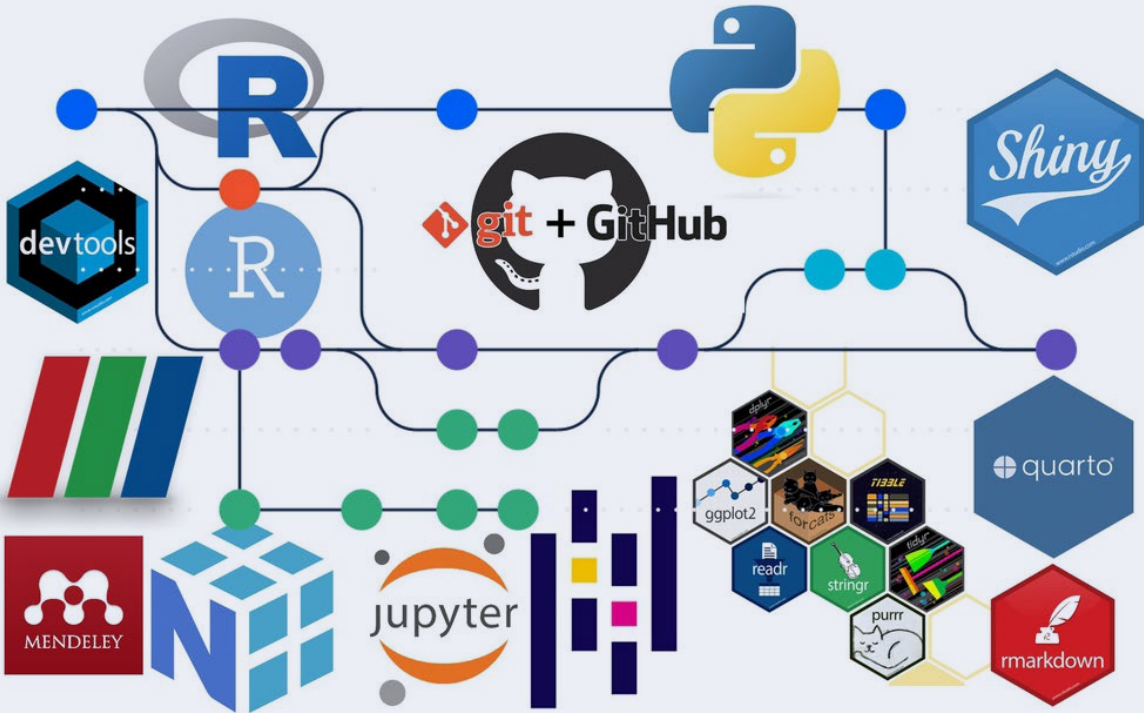
List of dScience Lunch Seminars

Date	Location	Speaker	Title
Feb 6	UB (75)	Einar Broch Johnsen, Professor, Department of Informatics	Environmental Digital Twins
Feb 13	Lounge	Krubeal Danieli, PhD Candidate, Department of Biosciences	Bio-Inspired AI: Flexible Navigation with Neuromodulated Cognitive Maps
Feb 27	Lounge	Øystein Sørensen, Professor, Department of Psychology	Modeling Cycles, Trends and Time-Varying Effects in Dynamic Structural Equation Models with Regression Splines
Mar 6	Lounge	Ágnes Király, Researcher, Department of Geosciences	Relationship between rock textures and anisotropic mechanical behavior
Mar 13	UB (35)	Rune Karlsen, Professor, Department of Media and Communication Ingrid Lossius Falkum, Professor, Department of Philosophy, Classics, History of Art and Ideas Nicholas Allott, Senior Lecturer, Department of Literature, Area Studies and European Languages	How do we communicate with chatbots? And what impact does artificial intelligence have on democracy
Mar 20	Lounge	Berent Ånund Strømnes Lunde, Principal Scientific Developer, Equinor	Towards consistent ensemble based data assimilation at scale
Mar 27	Lounge	Manuela Zucknick, Professor, Institute of Basic Medical Sciences	Probabilistic modeling and learning with small and noisy data: drug combination screens for precision oncology
Apr 3	UB (80)	Morten Hjorth-Jensen, Professor, Department of Physics	Quantum Technology and Artificial Intelligence
Apr 10	Lounge	Jonathan Adams, PhD Candidate, Institute of Health and Society	Structured Methods and Principles for the Ethics of AI in Healthcare

Date	Location	Speaker	Title
May 8	UB (35)	Alouette van Hove, Department of Geosciences David Samuel, Department of Informatics Per August Jarval Moen, Department of Mathematics Poushali Sengupta, Department of Informatics Tobias Verheugen Hvidsten, Department of Technology Systems	Navigating methane plumes: A journey from drone observations to flux estimates Data-constrained language modeling Change and Anomaly Detection: Challenges and Statistical Methods More Towards Trustworthy AI: Integrative Approaches to Explainability, Accuracy, Privacy, and Fairness Driving towards net-zero: Can electric vehicles support the integration of variable renewable energy?
May 15	Lounge	Andreas Carlson, Professor, Department of Mathematics	Designing droplet-fiber interactions to improve water harvesting capacity of fog nets
May 22	Lounge	Ulysse Teller Masao Côté-Allard, Associate Professor, Department of Technology Systems	Human-Computer Co-Learning & Self-Learning in Rehabilitation
Oct 9	Lounge	Valeriia Liakh, Postdoctoral Fellow, Rosseland Centre for Solar Physics	Modeling Solar Prominences: A Space Weather Perspective
Oct 23	Lounge	August Arnstad, PhD Candidate, Statistics and Data Science Sigurd Holmsen, PhD Candidate, Research Group for Digital Signal Processing and Image Analysis	Research at Integreat – From Priors to Bottlenecks
Nov 6	Lounge	Marco Palmiotto, Postdoctoral Fellow, Department of Physics	Numerical tools to explore new physics
Nov 13	UB (60)	Marianne Fyhn, Professor, Department of Biosciences	Watching neurons in the brain during learning and memory processing
Nov 20	Lounge	Jonathan Goldenberg, Postdoctoral Fellow, CEES - Centre for Ecological and Evolutionary Synthesis	SHARKSense: Reading the ocean through the colors of sharks
Nov 27	Lounge	Camilla Hagen Blixhavn, PhD Candidate, Institute of Basic Medical Sciences	Organizing the brain – visual representations of open brain data in 3D brain atlases

05

Data Science Analytics



The Data Science Analytics Group (dSAG) was established in 2023 with the mission of accelerating the integration of data science technologies in research. In 2025, we strengthened our support for researchers in line with this mission. To foster synergies, we collaborated closely with the UiO IT Department, the Norwegian Artificial Intelligence Cloud (NAIC), and the University Library.

Our overarching objective is to strengthen research capacity and competitiveness at UiO and within the dScience partner network. To this end, our activities are organised around two core mandates:

- Deliver targeted courses and workshops addressing common research challenges
- Contribute directly to the computational and data science components of research projects

Courses and workshops

dSAG develops courses and workshops based on recurring needs identified among researchers. In 2025, more than 150 researchers benefited from these offerings. Several workshops were tailored specifically for PhD candidates, postdoctoral researchers, and participants in Integreat and DSTrain. All activities were publicly announced on the dScience website and were open to participants across UiO and dScience partner organisations. In collaboration with the University Library, dSAG was an organising partner for [Digital Scholarship Days 2025](#) and [Data Management Week 2025](#). Moreover, dSAG has contributed to [PRESIMAL Research School](#) organised by NORA.

- Workshops regularly offered by dSAG include:
- Version control using Git and GitHub
 - Project management for PhD students
 - Project Management for Postdoctoral Researchers
 - HPC data visualisation using ParaView
 - Getting up-to-speed with Python

Direct involvement in research projects

Since 2022, dScience has invited research groups within the Faculty of Mathematics and Natural Sciences to submit structured applications each April describing their data and computational challenges. Following an initial feasibility assessment, shortlisted groups are invited to an introductory meeting to discuss potential solutions.



Diverse areas of research



Data and computational support application

Data and computational science support

Data Science Analytics Group

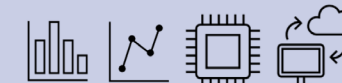
A network of data scientists



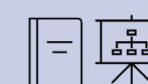
Data preparation



Data analysis



Dissemination



Depending on project needs and dSAG capacity, we provide expert guidance or engage directly in developing technical solutions. In 2025, this call was expanded to the entire UiO in collaboration with the UiO IT Department. We received 24 project proposals from researchers across the Faculties of Medicine, Mathematics and Natural Sciences, Social Sciences, and Educational Sciences. The scope of our support is centered around three main areas: “Data Preparation”, “Data Analysis”, and “Dissemination” with the following specific sub-categories:

- Data preparation
 - Data storage and access (systematic storage and sharing of data)
 - Big data (challenges with storage and backup and memory for processing)
 - Data organisation and management (need to develop a system)
 - Data pipeline and automation (use the data efficiently and effectively in pipeline)
 - Data wrangling and transformation (prepare and structure data for analysis)
- Data analysis
 - High performance computing
 - Programming support (need limited programming support on particular issues)
 - Prototyping and implementation (turning your idea into a model)
 - Statistical data analysis (you know what but don't know how)
 - Machine learning (from brainstorming ideas to implementation and interpretation)
 - Exploratory data analysis (need to explore and understand your data)
- Dissemination
 - Data visualisation and communication (effective visualisation of results for publications)
 - Platform development (turning code to packages and graphical user interface)

Reports

In 2025, a total of 24 project applications were received, of which 13 were handled by dScience and 11 were delegated to the UiO IT Department. Projects typically start in April and run for one year. As a result, several projects initiated in 2024 continued into the first half of 2025, while some of the projects received in 2025 had not yet started by the end of the reporting period. Moreover, some projects are deemed infeasible, or support was cancelled at the request of the researchers. This report therefore presents a shortlist of projects that received active support in 2025. These include 11 projects from the 2025 application round handled by dSAG, 2 from the 2025 round handled by the UiO IT Department, and 2 from the 2024 round handled by dSAG.

Direct involvement in research projects from 2025 applications

1. Faculty of Mathematics and Natural Sciences - Department of Chemistry - Ola Nilsen

Scope: Providing a sustainable web-based archive and discovery platform for custom materials science datasets, enabling intuitive exploration through an interactive periodic table.

Approach:

- A Streamlit-based application was built that lets authenticated users upload datasets, while a public interface allows anyone to browse published content. The solution uses Python together with a backend-as-a-service (PocketBase) to reduce technical barriers for contributors.
- A CI/CD (continuous integration and deployment) pipeline has also been set up to make it easy to extend, update, and deploy the application.
- The principal investigators are currently testing the system hosted at the Norwegian Research and Education Cloud (NREC) in preparation for actual use.

2. Faculty of Medicine - Institute of Molecular Medicine - Trygve B Leergaard

Scope: Parsing heterogeneous medical datasets, extracting metadata, and mapping content into a common pre-defined schema using large language models.

Approach:

- A prototype has been developed on UiO EduCloud OpenOnDemand that can read arbitrary datasets and process them using a user-selected local large language model, allowing initial experimentation without relying on paid services.
- Further implementation and deployment are planned, subject to continued project support.

3. Faculty of Medicine - Institute of Basic Medicine - Hua Hu

Scope: Understanding how the mouse brain distinguishes and retains similar experiences during learning and memory, using advanced dimensionality reduction and machine-learning methods.

Approach:

- Non-linear dimensionality reduction methods have been explored in Python on the shared dataset, including an initial spectral clustering analysis with promising results.
- The project is ongoing, with plans to review current findings and extend the analysis using machine-learning-based approaches in the next phase.

4. Faculty of Medicine - Sustainable Health Unit - Jan Buts

Scope: Supporting researchers and students working with text corpora by improving the usability of ModNLP through web-based visualisation features.

Approach:

- A development environment has been set up, and a simple D3-based visualisation has been integrated into the ModNLP Live application to evaluate how well the target visualizations can be incorporated.
- The plan is to use the D3.js visualization library to reproduce the visualisation components of the ModNLP desktop application, and then port these components to the web-based ModNLP Live platform.



5. Faculty of Mathematics and Natural Sciences - Department of Informatics - Geir Kjetil Ferkingstad Sandve

Scope: Providing DevOps consultation and establishing a collaborative project management framework for researchers involved in the TRUST Centre.

Approach:

- Initial needs analysis and brainstorming were conducted with project owners, followed by a systematic review of implementation options.
- A conceptual model was designed and presented, resulting in a Microsoft SharePoint-based platform for project submission and organisation.
- The platform has been finalised and is currently used in the TRUST project building and evaluation process, with potential for future use as a progress monitoring system.

6. Faculty of Social Sciences - Centre for Technology, Innovation and Culture - Fulvio Castellacci

Scope: Investigating socio-demographic, economic, and cultural factors shaping attitudes toward digitalisation and artificial intelligence, using statistical analysis and Large Language Model (LLM)-based simulations.

Approach:

- The research questions were refined in collaboration with the project owners, followed by the design of a pipeline for LLM-based simulations.
- Implementation of the pipeline is near completion and will be tested shortly.
- Support will continue through testing, refinement of the design, and interpretation of results.

7. Faculty of Educational Sciences - Department of Teacher Education and School Research - Pia Sundqvist

Scope: Digitising an age-appropriate, research-based vocabulary test to support online distribution and data collection for assessing English learning outcomes in children.

Approach:

- The requirements were discussed with the project owners, followed by a feasibility study and presentation of a proposed solution.
- An initial prototype has been approved and implementation is underway, with completion planned for February 2026.
- dSAG is also contributing to a funding application in collaboration with the research group.

8. Faculty of Medicine - Department of Community Medicine and Global Health - Andrea Solnes Miltenburg

Scope: Supporting large-scale data collection and management for a cohort of 3,000 pregnancy cases in Tanzania, including biological sample registration, data governance, and secure transfer to Services for Sensitive Data (TSD) at UiO.

Approach:

- Current challenges were reviewed in detail in a joint meeting with the project owners and a data management expert from the University Library.
- Guidance was provided on structuring the data collection workflow and identifying suitable solutions.
- Support is ongoing, and the group will continue to engage with dSAG as the project progresses.

9. Faculty of Medicine - Institute of Health and Society - Eli Feiring

Scope: Extracting policy-relevant insights from public-opinion datasets on specialised topics, including guidance on data governance and analytical tooling.

Approach:

- Challenges were reviewed in a joint meeting with the project owners and data management experts from the University Library.
- Recommendations were provided on data usage permissions, structuring the development process, and selecting appropriate tools.
- Support is ongoing, and the group will continue to engage with dSAG as the project progresses.

10. Faculty of Educational Sciences - Department of Education - Crina Damsa

Scope: Supporting education research projects with a focus on automating multimodal data processing, integrating MS Teams data, and applying machine learning for tagging, feedback, and learning analytics.

Approach:

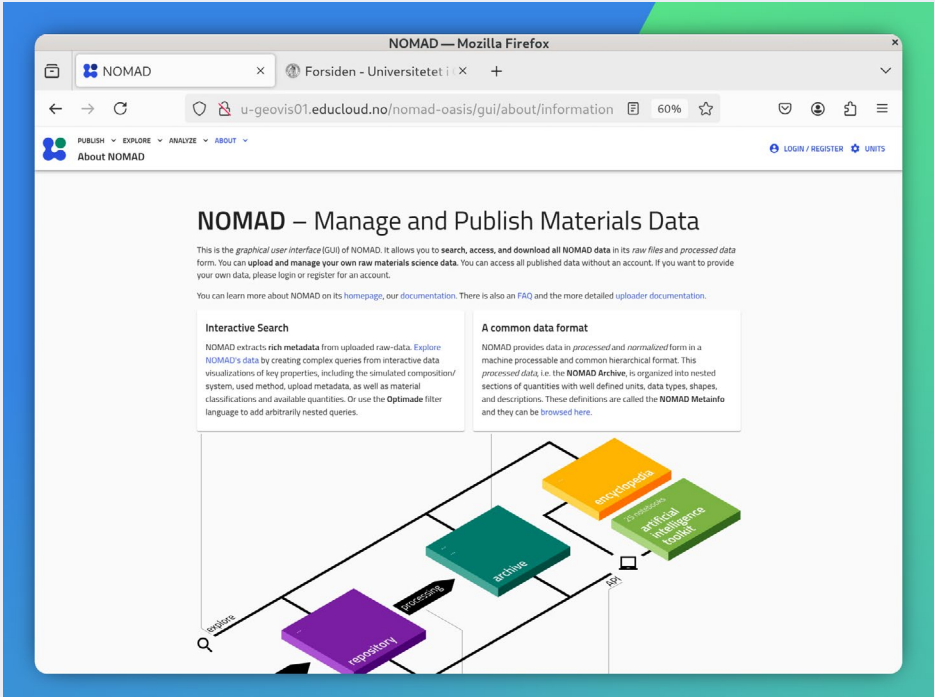
- Initial meetings were held with the project lead to clarify requirements and outline a preliminary collaboration plan together with EngageLab.
- Access to the required data is pending formal approval, after which technical implementation will proceed.

11. Faculty of Medicine - Institute of Health and Society - Haakon Meyer

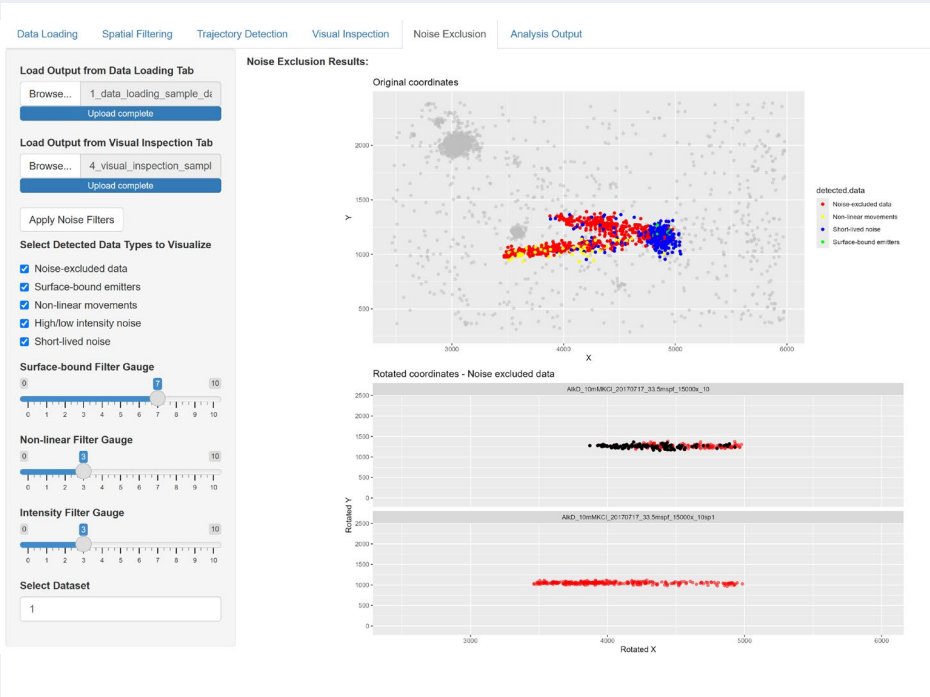
Scope: Updating fracture-related medical datasets and developing predictive models that combine environmental, population, and health data, with a focus on secure analysis workflows in TSD.

Approach:

- An initial meeting was held to clarify goals and technical challenges.
- The researcher will prepare and share a synthetic dataset, which will be used to conduct a feasibility study for predictive modelling.
- Options for continued work and assistance with funding applications will be explored based on the outcome.



NOMAD for Data Curation: This project focused on designing and deploying a digital solution for curation, analysis and publication of data produced in the Temporal Analysis of Products project by exploring and implementing NOMAD within EduCloud.



Fifth module of the SMITracker platform (noise exclusion).

Direct involvement in research projects from 2025 applications - delegated projects to IT Department

1. Faculty of Mathematics and Natural Sciences - Department of Biosciences - Torbjørn Håkan Ergon

Scope: Processing and analysing bird song recordings, including noise reduction, sound detection, individual bird isolation, and location estimation.

Approach:

- A dedicated server environment has been established on the NIRD Service Platform with access to BirdNET and OpenSoundscape, and is currently under testing.
- An application for Sigma2 extended user support is in preparation.
- Planning has started for the design of a full data processing pipeline.

2. Faculty of Mathematics and Natural Sciences - Department of Geosciences - Regine Hock

Scope: Modernising glacier modelling workflows by improving code modularity and optimising frameworks to better leverage HPC resources.

Approach:

- Technical details will be shared with University Centre for Information Technology (USIT) to clarify current limitations and requirements.
- An application for Sigma2 extended user support is in preparation.
- Subsequent work will focus on updating and modularising the codebase and optimising preprocessing for HPC execution.

Direct involvement in research projects from 2024 applications

1. Faculty of Medicine - Department of Medical Biochemistry- Bjørn Dalhus

Scope: Developing an interactive analysis platform for DNA scanning data from single-molecule experiments.

Approach:

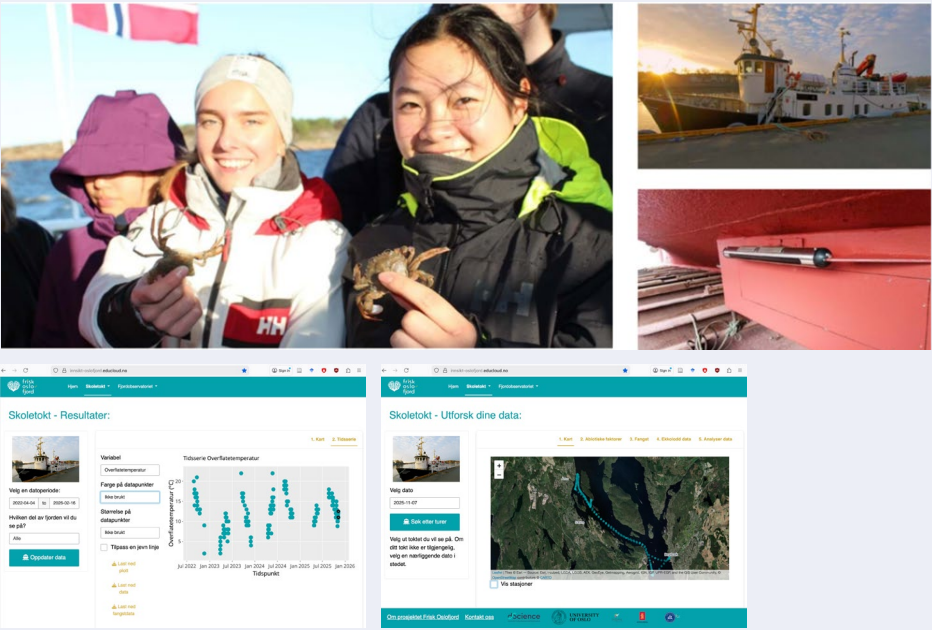
- An R package and a Docker-based application (SMI-Tracker – Single Molecule Interaction Tracker) have been developed, including comprehensive documentation.
- The platform is deployed as an online Shiny application: <https://smitracker.educloud.no/>
- dSAG has contributed to a scientific publication, which is currently undergoing major revision following editorial feedback.

2. Faculty of Mathematics and Natural Sciences - Department of Chemistry - Evgeniy Redekop

Scope: Curating and managing transient spectro-kinetic (TAP) experiment data through a unified digital ecosystem for data and metadata handling.

Approach:

- Guidance was provided on database selection and class structure design.
- PostgreSQL was proposed for storing both structured and unstructured data, with initial exploration of existing solutions such as NOMAD on Educloud.
- Support was given for implementing the database schema and associated Python classes.



Students from different high schools around Oslo, attend daily exploratory boat trips, conduct excursions into the Oslofjord and record their observation in the Marine Citizen Science website.



Read more about the event

dScience projects

In addition to projects supported through the annual application rounds, dSAG is directly involved in externally funded research projects. These are listed separately below:

1. Innsikt Oslofjord

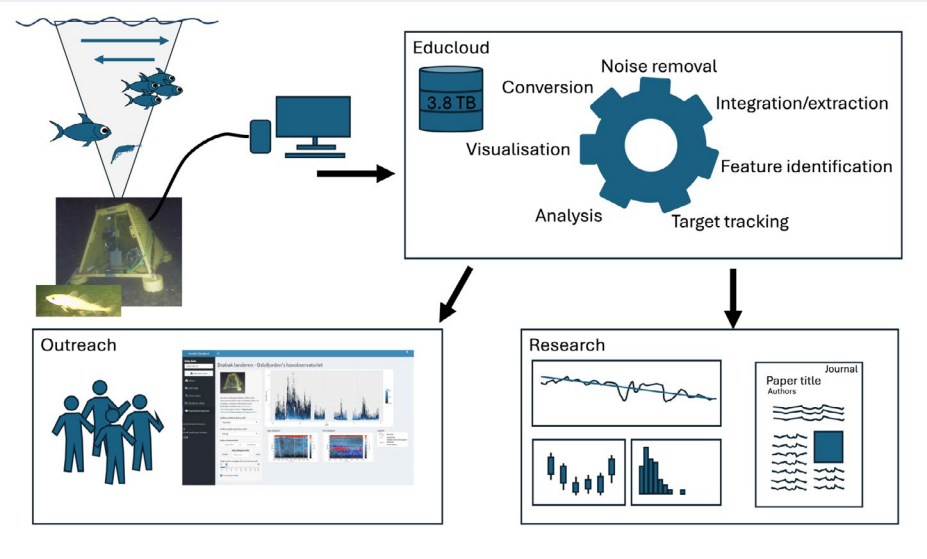
Scope: Continuation of the project from 2022, maintaining and extending the Innsikt Oslofjord learning platform by ensuring reliable data flow, high data quality, and classroom-ready functionality.

- Approach:**
- A new version of the Innsikt Oslofjord application was finalised and published, and systematic improvements were implemented based on feedback from teachers and other users.
 - dSAG contributed domain expertise to the development of teaching materials that integrate the application into classroom learning activities.
 - Continuous maintenance and monitoring of the data flow and analysis pipeline from MS Rognfjell were carried out, including integration of the Python package developed in 2024.
 - The project has secured external funding for a 50% position through 2028.
 - Ongoing work will focus on long-term maintenance of the platform, monitoring of data quality, and further refinement of the application based on user feedback.

2. Lander

Scope: Maintaining data flow and instrument functionality for the underwater observatory in Drøbaksund, processing and analysing data, and integrating results into the Innsikt Oslofjord app.

- Approach:**
- The lander interface in the Innsikt Oslofjord app was updated, and coordination with project partners was carried out to plan repair and redeployment activities.
 - Calibration, repair, and redeployment of the lander were organised in July 2025, followed by continuous monitoring and troubleshooting of recurring ground fault issues affecting data collection. A stable configuration was identified, enabling reliable data capture from November 2025.
 - The processing pipeline was migrated to Python, incorporating a target-tracking algorithm developed in the Wiesebron project (a dScience support project from 2024).
 - Future work will focus on further optimising pipeline efficiency, maintaining the observatory infrastructure, and ensuring long-term stability of the data flow.



The lander is monitoring fish and currents for research and education.



Read more about the event

3. Bastø

Scope: Managing data transfer, processing, and analysing EK80 echosounder data from the Bastø Electric ferry, and visualising results for public access through the Innsikt Oslofjord app.

- Approach:**
- The data transfer workflow was updated and recurring issues were addressed in collaboration with stakeholders at Kongsberg Discovery, although stable access has not yet been achieved.
 - Data from 2024 were received and used to continue development of the processing and analysis pipeline.
 - Plans are in place to retrieve the remaining datasets and establish database-based access from 2026, after which the full data transfer pipeline will be finalised.

4. Tilstand Oslofjorden

Scope: Presenting the status of the Oslofjord to the public through engaging visualisations of real-time and near-real-time data, supported by a shared database integrating inputs from multiple partners.

- Approach:**
- dScience participated in project meetings and thematic workshops, presenting available UiO data sources and potential database solutions.
 - A database schema was developed and a PostgreSQL prototype was implemented to test data-ingestion workflows.
 - A Shiny application was prototyped to visualise data directly from the database.
 - Next steps include agreeing on the data model with project partners, deploying the database on Educloud, and initiating the full data flow.

Courses and workshops

1. Version control

Scope: Providing a comprehensive hand-on workshop on version control using git and GitHub for data analysis and programming.

Approach:

- Begins with a theoretical understanding of version control, followed by hands-on practice with basic commands in a demo project.
- Develops collaborative demo projects in both single-branch and multi-branch contexts, and explores advanced Git/GitHub features.
- Target audience includes PhD students, postdocs, and researchers, focusing on terminology, command-line operations, GUI operations (RStudio and VSCode), merge conflict resolution, and version tracking.
- The workshop content was extended to include comprehensive instructions for application of pull requests and merge/rebase operations.
- The workshop was held three times, in January, October and November, the material for the workshop is published as a GitHub page: https://arashah.github.io/version_control_workshop/

2. Project management for PhD student / Postdoctoral researchers

Scope: Providing PhD students with strategies and tools for effective project management.

Approach:

- Covers topics including knowledge and progress management, analysis and software management, reporting and dissemination, and teamwork.
- Discusses best practices and facilitates discussions to share personal experiences for practical insights.
- There are two different versions of this workshop prepared for PhD students and postdoctoral researchers
- The workshop was held in January, the material for the workshop is published on Zenodo: <https://zenodo.org/records/10474595>

3. HPC visualisation with ParaView

Scope: Raising awareness about the capabilities of ParaView in scientific visualisation and its potential on HPC infrastructure like the Norwegian AI Cloud (NAIC).

Approach:

- Introduces ParaView and its functionalities, including Python scripting for automation and extending ParaView.
- Covers advanced topics and the use of ParaView under NAIC, with hands-on exercises using provided datasets and examples.
- The workshop was held in January, the material for the workshop is published on GitLab: <https://naic.pages.sigma2.no/tutorials/hpc-visualization-using-paraview/>

4. Getting up-to-speed with Python

Scope: Equipping researchers with tools and procedures to effectively manage Python, packages, environments, and IDEs, providing an informed starting point for programming in python.

Approach:

- Cover package and environment management using Pip, Conda and poetry, along with integrating R and Python through Quarto and Reticulate.
- Introduce prototyping tools like VSCode, PyCharm, Jupyter, and production tools like HPC servers and Educloud on demand.
- The workshop was held in February, the material for the workshop is published as a GitHub page: https://arashah.github.io/python_workshop/



Data Science Analytics Group website

We have created content for our webpage, outlining the scope of our activities, featuring detailed descriptions of our workshops and summaries of completed projects. This resource provides audiences with a clear understanding of our mission and initiatives at dSAG. Additionally, upcoming workshops are announced on the dScience events page and promoted through our newsletters and contact networks, with support from the dScience communications team.

Contributions

dScience staff:

- Svenja Christiansen (Researcher)
- Sherin Sugathan (Senior Engineer)
- Arash Ahmadi (Head of dSAG)

UiO IT Department:

- Maiken Pedersen (Senior Engineer - Scientific Computing Services)
- Lars Thomas Hansen (Senior Engineer - Scientific Computing Services)
- Knut Waagan (Senior Engineer - Data Management)
- Luigi Maglanoc (Senior Engineer - Data Management)

Guest contributors:

- Anders Kvellestad (Researcher - Department of Physics) - contributed to the “Project management for PhD students / Postdoctoral researchers” workshop
- Matthew Good (Senior Academic Librarian - University Library) - contributed to the support of 2 projects regarding data handling policies and data management plans.

06

dScience Partner Program

The dScience Partner Program continues to foster strategic collaboration between academia, industry, and the public sector, providing tailored advisory services and supporting initiatives in computational and data science. In 2025, the programme sharpened its focus on artificial intelligence, with particular emphasis on trustworthy and applied AI, reinforcing its role in addressing societal challenges and enabling data-driven innovation.

The Partner Program focuses on

- **Fostering collaboration:**
Strengthening partnerships that combine research excellence with practical application.
- **Unlocking value from data:**
Enhancing the effective use of data and digital resources across sectors.
- **Supporting the twin transition:**
Contributing to sustainable and digital transformation across industries and society.
- **Strengthening partner-to-partner relations:**
Facilitating joint initiatives among partners.



The dScience Partner Program facilitates meaningful collaboration. Pictured: Patrick Blomquist, Senior Advisor for Data Science and Research at Equinor, who organised the seminar, together with Carina Hundhammer, Director of Business Cooperation and Community Engagement at the Faculty of Mathematics and Natural Sciences, and Morten Dæhlen, former dScience Centre Leader.



Arne Bang Huseby (to the right), dScience Centre Leader at dScience and the Partner Program.



DNV hosted a high-level seminar on Industrial AI for Safety-Critical Systems at their headquarters in Høvik. The event gathered dScience Partner Program members and other invited participants for a full day of expert insights, real-world case studies, and discussions on the use of artificial intelligence in critical operations.

Three Key Pillars

The dScience Partner Program is built upon three foundational pillars: Projects, People, and Capacity Building, each designed to support impactful collaboration and innovation.

The **Projects pillar** encompasses large-scale research initiatives funded by national and European funders such as the Research Council of Norway (RCN) and the European Union. These projects often involve interdisciplinary collaboration and cutting-edge methodologies. Some examples of project applications this year include the proposal for TRUST and several applications for Centres for Research-Driven Innovation. In addition to these longer-term initiatives, the program supports PhD and postdoctoral research projects that span three to five years, fostering deep expertise in critical areas. Complementing these are Accelerated Impact Studies (AIS), which are shorter-term feasibility studies designed to address specific challenges and generate actionable results.

The work in the thematic working groups with our partners often end up either as concrete projects with partners or input to project proposal as TRUST. Moreover, dScience has coordinated participation into projects and applications initiated by partners, e.g. Maritime AI.

The **People pillar** focuses on nurturing talent and fostering professional growth. Through recruitment pipelines, the program connects partners with talented students at all academic levels, ensuring access to a diverse pool of expertise. Robust mentorship and supervision programmes are provided to support academic and industry needs, bridging gaps between research and practical application. Furthermore, the program includes industrial and public PhD initiatives, supported by RCN, and lifelong learning opportunities through customised courses and workshops, ensuring continuous professional development.



Great attendance from academia and industry at the invitation-only workshop at Kongsberg @ Lysaker, 30 September 2025.

The **Capacity Building pillar** emphasises the long-term development of research and educational capabilities in specialised fields. By fostering a two-way exchange of knowledge between academia and partners, this pillar strengthens the foundation for sustainable innovation and collaboration. This continuous interaction ensures that cutting-edge research is translated into actionable insights and real-world applications, benefiting both academia and industry alike.

Leadership and Organisation

The Partner Program is led by Centre Leader Professor Arne Bang Huseby with a team of specialised advisers focusing on various sectors, including energy, health, environmental systems, and finance. They actively engage partners, develop networks, and support project management and R&D funding applications.

All dScience operations support and complement the efforts of the Partner Program. Office and Community Services play a vital role in creating meeting places, organising events and workshops, and ensuring effective communication with partners. The Data Science Analytics Group may contribute to AIS where relevant and offers courses and workshops open to partners. Meanwhile, the Research and Project Development team actively involves partners in key projects and high-value forums, benefiting both the partners and UiO.

Strategic partners



In 2025, the Partner Program has seven strategic partners: DNB, DNV, Equinor, Kongsberg Group, Norges Bank Investment Management (NBIM), South-Eastern Norway Regional Health (Helse Sør-Øst), and City of Oslo.



Read more about the partner program

The dScience Strategic Advisory Committee – dSAC



Idar Kreutzer
NHO (Leader)



Christian Agrell
DNV



Patrick Blomquist
Equinor



Lars Dahl
NBIM



Karl Aksel Festø
DNB



Tone Olsen Moberg
Oslo kommune



Rune Simensen
Helse Sør-Øst



Pål Orten
Kongsberg Gruppen

The Strategic Advisory Committee (dSAC) has contributed to the development of the success of the Partner Program. Throughout 2025, the Committee continued to play a key role in guiding the Partner Program’s strategic direction, offering valuable insights, advice, and support across its activities. In particular, dSAC has been instrumental in strengthening collaboration between academia and industry in Norway, helping to identify emerging opportunities, and ensuring that the Partner Program remains relevant, impactful, and future-oriented. Through engaged participation in meetings, workshops, and strategic discussions, Committee members have made significant individual and collective contributions to the Partner Program’s development and activities at UiO.

The Centre appreciates their continued engagement and contributions. In 2025, dSAC consisted of the following members:

- **Idar Kreutzer**, NHO (Leader)
- **Christian Agrell**, DNV
- **Patrick Blomquist**, Equinor
- **Lars Dahl**, NBIM
- **Karl Aksel Festø**, DNB
- **Tone Olsen Moberg**, Oslo kommune
- **Rune Simensen**, Helse Sør-Øst
- **Pål Orten**, Kongsberg Gruppen



TRUST Director Arnoldo Frigessi is congratulated by Prime Minister Jonas Gahr Store. Minister of Research and Higher Education Sigrun Aasland is on the right.

2025 Highlights

TRUST – A National AI Centre

In 2025, UiO, NR and SINTEF secured RCN funding for TRUST – the Norwegian Centre for Trustworthy AI, one of the national AI research centres. Hosted by UiO in collaboration with the Norwegian Computing Center (NR) and SINTEF, TRUST brings together more than 70 partners from academia, industry, the public sector and civil society. TRUST focuses on developing AI that is accurate, interpretable, inclusive, fair, safe, sustainable, and well governed. (See Chapter 7 for further details).

TRUST works closely with dScience in research and knowledge exchange, including partner engagement activities.

Since the award, dScience has supported the development of collaborative research and innovation structures, with particular emphasis on partner engagement through Action Clusters. These clusters serve as platforms for knowledge exchange, enabling researchers and partners to co-develop ideas, explore application pathways and address shared societal and technological challenges. The Centre's leadership structure reflects this close collaboration, with the former centre leader now serving as Director of Organisation and Innovation.

Collaboration Models and Low-Threshold Engagement

In connection with the establishment of TRUST, dScience has also drawn on earlier exploratory work related to collaboration models designed to lower barriers for organisations to engage in research and innovation. Building on international best practice, including the UK Knowledge Transfer Partnerships (KTP) scheme, this work has informed discussions around small and medium-sized enterprises (SME) engagement within TRUST's User Programme and Network Actions. While no pilot instrument was launched in 2025, the concept remains relevant as a potential mechanism for supporting targeted, low-threshold collaboration between academia and industry.

MAI – A National Maritime AI Centre

In 2025, the Norwegian Maritime AI Centre was awarded funding by the RCN as a national centre for research and innovation in artificial intelligence for the maritime sector. The Centre brings together approximately 40 partners from academia, industry, the public sector, and international organisations. Strategic industry collaborators include Kongsberg Maritime, Equinor, and DNV, all members of the dScience Partner Program.



dScience has supported UiO's participation in the Centre by facilitating partner engagement, mobilising relevant research expertise, and contributing to knowledge exchange and innovation-oriented collaboration. This has included support for joint research planning, advisory input on collaboration frameworks, and the organisation of a research workshop in 2025 aimed at aligning partners and research activities during the Centre's establishment phase.

Competence building across the dScience Ecosystem

Competence building within the dScience Ecosystem spans interconnected activities across projects, people, and long-term capacity building, ensuring sustained value creation for both research environments and partners. Competence development covers multiple career stages, from master's-level training, doctoral and post-doctoral research. Through a combination of structured programmes and partner-initiated activities, dScience supports talent development, skills mobilisation, and long-term capacity building in areas of strategic relevance to partners and society.

Master's Projects and Early-Stage Talent Development

In 2025, dScience facilitated the development of a proposed master's project with Equinor, focused on improving short-term wind forecasting and uncertainty estimation to support the decarbonisation of offshore energy operations. dScience contributed by connecting the partner with relevant research expertise at UiO, enabling the identification of an academic supervisor from the Institute for Technology Systems (ITS) with expertise in renewable energy systems and climate-energy interactions. Following this initial matchmaking and scoping phase, the partner indicated that the project could proceed independently. The activity illustrates how the Partner Program lowers barriers to collaboration and enables partner-driven ideas to be translated into concrete educational and research opportunities.



TRUST will be led by the University of Oslo (UiO), SINTEF, and the Norwegian Computing Center (NR). From left: Trond Runar Hagen (SINTEF Digital), Solveig Kristensen (UiO), André Teigland (NR).

Doctoral Training and Industrial PhD Projects

Doctoral training within the Partner Program includes both partner-initiated and jointly developed industrial PhD projects funded under the RCN industrial PhD scheme.

In 2024, funding was awarded for an industrial PhD between Kongsberg Maritime and UiO, with the doctoral candidate starting in March 2025 and being affiliated with ITS. The project applies artificial intelligence and machine learning in critical marine automation and control systems, with a focus on robustness and reliability. Although initiated by the partner, the project reflects the broader competence-building environment and research-industry collaboration supported through the dScience ecosystem.

In parallel, dScience has supported long-term doctoral competence development through collaboration with DNB. In August 2025, funding was secured for an industrial PhD project on Ambit Stochastics for Financial Markets. The project addresses advanced stochastic modelling relevant to financial risk and economic capital modelling, illustrating how partner-research collaborations supported through the dScience Partner Program can mature over time and lead to successful doctoral training and research engagement.

DSTrain – Advancing Data Science Talent with dScience Partners

DSTrain is a five-year postdoctoral programme led by dScience at the Faculty of Mathematics and Natural Sciences and funded under the EU Horizon Europe Marie Skłodowska-Curie Actions (MSCA) programme. The pro-

gramme is now in its second year of implementation, with all 36 postdoctoral fellows recruited and the second cohort having started their positions in 2025. DSTrain represents a significant investment in advanced talent development in data science and artificial intelligence, aligned with partner needs across research and application domains.

DSTrain is closely connected to the dScience Partner Program, with several of the partners also participating as DSTrain partners. Through channels such as dSAC, partners have shown strong engagement with the programme, contributing insights, feedback, and interest in the research directions pursued by the postdoctoral fellows. Training seminars and workshops further support collaboration and knowledge exchange. As the programme moves into its next phase, the focus is on external secondments for the first cohort of postdoctoral researchers, designed as flexible knowledge exchange arrangements between researchers and partner organisations. Read more about this initiative in Chapter 7.

BedreFlyt – Smarter Resource Management for Better Patient Flow

Data science plays a central role in strengthening healthcare services in Norway. Researchers at the UiO, in collaboration with SINTEF and dScience, have worked to use data from hospital workflows to improve ward efficiency and resource allocation, supporting high-quality care despite workforce constraints. The activities have focused on optimising resource utilisation, enabling more flexible staffing and bed allocation strategies, and improving patient flow through data-driven decision-support tools.



Researchers affiliated with TRUST gathered in Oslo at Domus Bibliotheca on 12 November.

The Bedreflyt AIS aimed to identify inefficiencies in resource allocation in two hospital wards and to develop a proof-of-concept digital twin. Observational studies were conducted in collaboration with two neurology wards in Helse Sør-Øst: one at Rikshospitalet, responsible for planned surgeries, and one at Kalnes, primarily admitting acute patients. Researchers in health informatics from SINTEF and UiO, led by Frode Strisland, documented bottlenecks and time-consuming tasks. SINTEF also completed a cost-benefit analysis of the potential savings related to digital twin implementation. The UiO research team on digital twins, led by Professor Einar Broch Johnsen, developed a scalable proof-of-concept demonstrator, while the Oslo Centre for Biostatistics and Epidemiology analysed patient flow data forming the basis for the demonstrator. The AIS formed the foundation for the BedreFlyt TRUST initiative, resulting in a master's thesis and two scientific publications. The first demonstrator was completed in June 2025.

Building on this work, the more fully developed BedreFlyt digital twin project was defined in the second half of 2025, advancing AI-enhanced digital twin capabilities for hospital operations. The work advanced AI-enhanced digital twin technologies for what-if analyses. The UiO team focused on bed allocation, simulating capacity constraints for everyday planning as well as pandemic scenarios. These activities established a foundation for further research within TRUST and continued the close collaboration between dScience, SINTEF and Helse Sør-Øst.

EEMorR – Climate Risk and Energy Efficiency in Mortgage Risk Models

In 2025, dScience supported an AIS in collaboration with DNB exploring the integration of climate risk and energy efficiency indicators into mortgage risk assessment. The project examined how climate-related factors and household energy consumption could be used to assess potential impacts on property values and default risk. During the scoping phase, challenges related to data availability—particularly in the context of recent developments in the electricity market—and resource constraints limited the feasibility of progressing to a full master's project. As a result, the activity was placed on hold, with the initial work nevertheless providing valuable insight into data readiness and future research requirements in this area.

Strengthening Collaboration Through Partner Dialogue

As part of the Partner Program's design, dScience conducts regular bilateral meetings with partners to support alignment on strategic priorities, partner-specific objectives, and plans for collaborative activities over the coming year. During 2025, these meetings were carried out with a number of partners, providing a structured forum for dialogue and reflection on both tangible and intangible partnership outcomes. This approach supports continuous alignment and ensures that collaboration remains relevant, targeted, and responsive to partner needs.



Read more about the event

Newly recruited postdocs from Call 2 together with Arne B. Huseby (left), Programme Coordinator of DSTrain and dScience Centre Leader. From left: Mauricio Portioli Franco, Karina Løviknes, Shuting Miao, Andrius Tamosiunas, José Ricardo Correia, Neil Thompson, Cecilie Glittum, Shenbin Qian, Touqeer Ahmad, Manish Baidya, and Meihan Tong.

dScience Partner Seminar Series

The dScience Partner Seminar Series is an exclusive, invitation-only forum designed to facilitate focused dialogue between partners and researchers on strategically important topics. The seminars address selected themes of shared relevance and are intended to provide a confidential setting for in-depth discussion, knowledge exchange, and reflection across disciplines and sectors.

The series was initiated in 2024 with a partner seminar hosted in collaboration with Norges Bank Investment Management (NBIM) in the UK, focusing on the safety of artificial intelligence and the resilience of energy systems and critical infrastructure. This seminar marked the starting point for a partner-driven seminar format that complements other engagement activities within the Partner Program. Building on this foundation, the series continued in 2025 with three partner seminars addressing distinct thematic priorities.

AI and Time Series Anomaly Detection

In March 2025, Equinor hosted a seminar on AI and time-series anomaly detection at Fornebu, bringing together researchers and industry experts to deepen collaboration on advanced analytics and machine learning applications relevant to partner needs. The interactive session had group discussions organised around key themes, highlighted shared challenges and opportunities in AI research, and strengthening ties between Equinor, dScience, UiO researchers, and other partners.

Industrial AI for Safety-Critical Systems

In June 2025, dScience took part in a seminar on Industrial AI for Safety-Critical Systems hosted by DNV at their Høvik headquarters, bringing together industry, academic and research experts to discuss the latest advancements, challenges and best practices for applying AI in safety-critical domains. Presentations covered topics including trustworthy AI, risk assessment for generative models, AI in autonomous operations, uncertainty management, and regulatory and ethical aspects, with contributions from partners including NASA, Equinor, Kongsberg Maritime, SINTEF and the University of York. The event highlighted interdisciplinary collaboration on AI safety, transparency, and assurance in complex industrial contexts.

AI in Sensor Systems

In September 2025, dScience and Kongsberg Maritime co-hosted a seminar on AI, data and computing in sensor systems at Lysaker, bringing together industry and research partners to explore how advanced analytics and AI can enhance sensing technologies for complex industrial applications. Participants discussed processing and interpreting sensor data, computing strategies for real-time and resource-constrained environments, and opportunities for collaboration within the dScience Partner Program.



Read more about the event

Patrick Blomquist (second from the left) moderated the seminar on AI and Time Series Anomaly Detection.



Read more about the event

Astrid Rusås Kristoffersen, Group Director Research and Development, DNV.



Read more about the event

Implementation of AI within Kongsberg Discovery, Arne Johan Hestnes, Kongsberg Discovery.

Research and Project Development

2025 was a year of continued and strategically focused activity at dScience. As a leading hub for computational and data science and innovation at UiO, dScience played an important role in developing and supporting research projects across disciplines, with a growing emphasis on artificial intelligence and applied, societally relevant research. Our mission remains to foster collaboration and create impact across academia, industry, and society.

Throughout the year, dScience supported the development of ambitious research proposals, strengthened national and international partnerships, and provided a collaborative environment for interdisciplinary research. Researchers from diverse fields engaged through dScience to exchange ideas, participate in seminars and workshops, and co-develop project applications, reinforcing dScience's role as a key enabler of high-quality research and innovation.

This section provides an overview of major research projects in which dScience has taken a leading role or served as a key contributor. These initiatives span areas such as trustworthy artificial intelligence, digital twins, ship automation, AI chat-based academic search, biodiversity genomics innovation, and digital infrastructure. Together, they illustrate dScience's commitment to advancing research excellence, fostering innovation, and supporting the translation of research into practical and societal value.



Read more about the launch

Professor Yoshua Bengio.

TRUST

TRUST – The Norwegian Centre for Trustworthy AI was officially launched on 10 November 2025 at the University of Oslo, drawing a full auditorium for a keynote lecture by Professor Yoshua Bengio, founder of Mila and one of the world's leading AI researchers. In his talk, Bengio highlighted the rapid advancement of AI capabilities and the associated risks, including unintended behaviours in advanced models. He stressed the need for both technical safeguards and political action, noting the geopolitical importance of access to trustworthy AI and the risks of opaque or poorly governed systems.

The Director of TRUST, Professor Arnoldo Frigessi, outlined the Centre's mission to advance interdisciplinary research spanning computational sciences, law, social sciences, and philosophy, in close collaboration with national and international partners. In a panel discussion moderated by Deputy Director Professor Malcolm Langford, Ministers Sigrun Aasland and Karianne Tung emphasised the importance of trustworthy AI in public services, transparent design, and international cooperation. The event concluded with remarks from Minister Aasland and UiO Rector Ragnhild Hennum, who high-

lighted TRUST's significance for Norwegian research, policy development, and society at large. The launch marked an important milestone in establishing TRUST as a national platform for interdisciplinary AI research and collaboration.

Sustainability, Digital Twins, and Environmental AI

In addition to the establishment of TRUST as a national centre, research development activities in 2025 also addressed sustainability-oriented themes aligned with the Centre's mission. Building on earlier work related to the Twin Transition agenda, these activities focused on the use of artificial intelligence and digital twin technologies to support environmental monitoring, governance, and sustainable decision-making. This work illustrates how sustainability considerations are integrated into broader trustworthy AI research at dScience.

Environmental Digital Twins

In 2025, dScience contributed to the development of research proposals and exploratory activities related to environmental digital twins. This included participation in a submission to the Horizon Europe Cluster 6 call (HORIZON-CL6-2025-03-GOVERN-



ANCE-08). The proposal, ProEco-GOV: AI-Driven Governance and Optimisation of Environmental Observing Systems for Greenhouse Gas Emissions and Sinks, addressed challenges in environmental observation systems for greenhouse gas monitoring. UiO partners involved included the Natural History Museum and the Department of Informatics, with collaborators from SINTEF and Norwegian Meteorological Institute.

dScience also participated in a hackathon at Marinreparatørene focused on developing a digital twin to support restoration and cleanup efforts in the Oslofjord. This work contributed to advances in AI-enhanced digital twin technologies, particularly in data management and the development of self-adaptive, learning digital twins. The activity resulted in a peer-reviewed publication in 2025 on self-adaptive data management for digital twins in biodiversity monitoring.



Read more

E. Kamburjan, L. A. Slaughter, E. B. Johnsen, A. Pferscher and L. Wehl, "Towards Self-Adaptive Data Management in Digital Twins for Biodiversity Monitoring," 2025 ACM/IEEE 28th International Conference on Model

Driven Engineering Languages and Systems Companion (MODELS-C), Grand Rapids, MI, USA, 2025, pp. 257-263, doi: 10.1109/MODELS-C68889.2025.00044.

Biodiversity Standards

In 2025, dScience continued its engagement in international efforts related to biodiversity data standards. dScience is part of the organising committee for the annual conference of Biodiversity Information Standards (TDWG), the next to be held in Oslo in 2026. This work supports the development and adoption of shared standards for biodiversity data, which are essential for interoperable digital infrastructures and for the use of AI and digital twins in environmental monitoring and sustainability research.

MAI – The Norwegian Maritime AI Centre

The Norwegian Maritime AI Centre is a national initiative for research and innovation in artificial intelligence (AI) for the maritime sector, led by the Norwegian University of Science and Technology (NTNU). The Centre was awarded funding by RCN in 2025 and brings together approximately 40 partners from academia, industry, the public sector, and international organisations. With a total budget of NOK 100 million over five years, the Centre represents a major national investment in AI-driven innovation for the maritime industry.



DSTrain workshop 17 March 2025.

The Centre will be officially launched on 27 January 2026 in Trondheim, marking the start of its full operational phase. Its mission is to accelerate the operationalisation of AI across the maritime value chains, from ship design and construction to navigation, logistics, maintenance, shipping operations, crew training, and energy management. A central ambition is to enable the use of AI in combination with other advanced technologies, while ensuring safety, transparency, and trust, thereby supporting sustainable value creation and strengthening the competitiveness of the Norwegian maritime sector.

UiO is a key research partner in the Centre and leads a dedicated work package on use cases and applications. UiO contributes advanced AI expertise and interdisciplinary research capacity, working closely with industry and research environments to support the development of safe, reliable, and impactful AI solutions for maritime applications.

DSTrain – Completion of Recruitment and Preparation for External Secondments

DSTrain is a five-year postdoctoral programme aiming to develop researchers with strong disciplinary exper-

tise combined with advanced data-science skills, and the capacity to work across disciplines, sectors, and institutional boundaries. By offering world-class supervision, structured interdisciplinary training, and cross-sectoral secondments, DSTrain prepares its fellows to take leading roles in Europe's digital transformation. With the formal welcome of its second cohort, the programme has now entered a new phase focused on supporting innovative, data-driven research across the UiO and close to 30 external partners.

The DSTrain programme offers many training seminars and workshops. These activities aim to equip researchers and innovators with disciplinary, interdisciplinary, and transferable skills, all rooted in data science methods.

The programme is managed by dScience at the Faculty of Mathematics and Natural Sciences, UiO, and is co-funded by the EU Horizon Europe through the MSCA programme.



Great energy at the DSTrain Workshop. Picture shows (from the left): Professor Gaute Einevoll, Norwegian University of Life Sciences (NMBU) and Department of Physics at UiO, and Professor Arne B. Huseby, Department of Mathematics, Programme Coordinator of DSTrain.

Completing the hiring process

The second call, announced in January 2025, attracted as many as 403 applications from 59 different countries. As in the first call, the applicants wrote their own project proposals selecting from more than 70 different topics covering the full range of research at the Faculty. After a thorough evaluation process, 38 applicants were invited for interviews. From this group 20 exceptional candidates were selected and hired as postdocs.

The full group of 36 postdocs now includes researchers in pharmacy (1), physics (9), astrophysics (5), biosciences (8), informatics (5), geosciences (2), chemistry (2), mathematics and statistics (3) and technological systems (1).

DSTrain workshop - Cohort 1

A two-day workshop in March brought together DSTrain postdoctoral fellows, academic leaders, and support staff for research presentations, strategic perspectives on data science and AI, and discussions on interdisciplinary research.

The first day opened with welcome remarks and an introduction to dScience and AI. The main programme con-

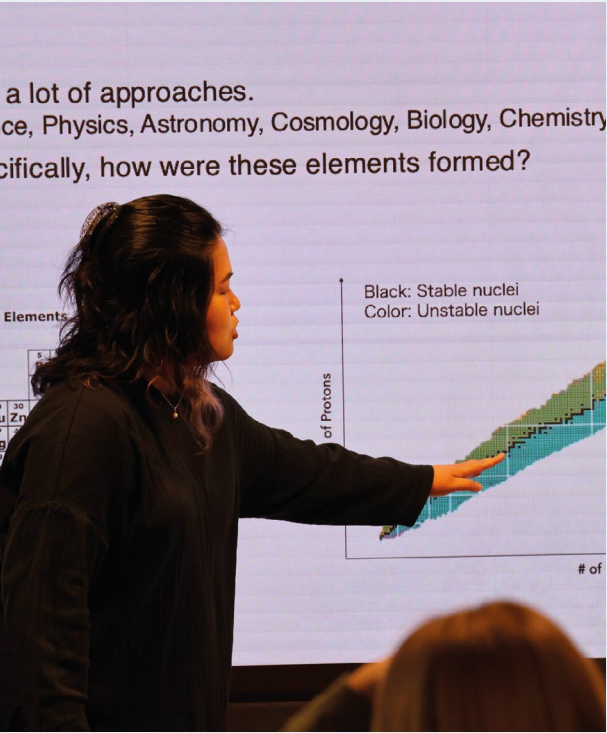
sisted of extended research presentations by the fellows, showcasing the cohort's disciplinary breadth and enabling in-depth discussion. Sessions on open access, open science, and data sharing were delivered by the University of Oslo Library. The day concluded with a museum visit and joint dinner, providing opportunities for informal networking.

The second day focused on interdisciplinary practice. Senior researchers from different disciplines shared perspectives on conducting and succeeding in cross-disciplinary research, interspersed with additional fellow presentations. The seminar ended with reflections on interdisciplinary collaboration and closing remarks.

Kick-off seminar - Cohort 2

The second DSTrain cohort began its three-year research period at the Kick-off Seminar held in Oslo in November. The event gathered newly recruited fellows, supervisors, and dScience staff for programme orientation and community building.

The day opened with an introduction to DSTrain's vision and structure, followed by short presentations from supervisors highlighting the programme's disciplinary range.



DSTrain Postdoctoral Fellow Azusa Inoue.

Fellows presented concise five-minute project pitches, offering an overview of the different research themes and laying the foundation for collaboration.

The afternoon focused on collaboration, career development, and professional skills, including sessions on career planning, experiences from previous MSCA programmes, research communication, and secondment opportunities in industry. The seminar concluded with an overview of data-science training and analytical support available through dScience, followed by closing remarks encouraging active engagement in the programme's interdisciplinary environment.

External Secondments

We are currently focusing on the next major phase of the programme: external secondments for Cohort 1 post-doctoral fellows. Cohort 2 will undertake secondments the following year, creating further opportunities for partner involvement.

Towards the end of the year, supervisors and fellows identified potential secondment directions. Based on this input, the project team conducted a matching process,



DSTrain Postdoctoral Fellow Blanca Jimeno.

aligning research projects with the profiles and interests of partner organisations. In early 2026, we will initiate informal discussions with relevant partners to assess the feasibility of specific secondments.

Secondments are typically up to three months, but formats and start dates may be adapted as needed.

In addition to hosting secondments, partners may engage with DSTrain through:

- mentoring fellows
- co-supervision or scientific collaboration
- contributions to training activities, workshops, or seminars
- support for innovation-related activities

A key objective of DSTrain is to facilitate ongoing exchange between partners and fellows beyond the current secondment round. We will follow up on this separately."

Programme Management Office

- Arne Bang Huseby, Programme Coordinator (PC) / Scientific Coordinator
- Martha Elisabeth Brigg, Administrative Coordinator
- Nilla Karlsen-Davis, Secondment Coordinator



From left: Valeriia Liakh (Rosseland Centre for Solar Physics), Azusa Inoue (Nuclear and Energy Physics), and Aziz Boukra (Digital Signal Processing and Image Analysis).

Read more about the launch

The Huginn Project

The Huginn project was initiated to explore how existing academic research at UiO could be made more accessible and actionable for external partners in industry and the public sector. Building on earlier collaboration processes, including feedback from the TwinEnergy application to the Centres for Environment-friendly Energy Research scheme, the project addressed a recognised need for more efficient ways to identify relevant research, expertise, and potential solutions to complex societal and industrial challenges.

Traditional literature searches were considered insufficient for this purpose, as they are often time-consuming and poorly suited for early-stage screening in applied collaboration contexts. Huginn therefore explored the use of AI-based approaches to support discovery and utilisation of UiO’s existing research output. The project aimed to develop a platform concept that could surface relevant research insights from historical academic publications and connect end users with researchers holding domain-specific expertise.

During 2025, Huginn progressed through an exploratory and learning-oriented phase. The work provided valuable insights into both the technical and organisational requirements for developing an AI-based framework, including the potential use of Retrieval-Augmented Generation (RAG) to access and analyse full-text academic publications. The project also clarified key challenges related to data access, infrastructure, governance, and long-term ownership.

An application was submitted to the National Library of Norway to fund a one-year pilot project. Although the application was not successful, the process itself contributed to a clearer understanding of the scope, ambitions, and resource needs required to move from concept to implementation. In principle, the project could have continued beyond the exploratory phase; however, the University Library did not have the capacity or resources to allocate to further development at that time.

Despite not progressing to a pilot phase, Huginn should be considered a productive exploratory project. It strengthened cross-unit dialogue, generated concrete learning outcomes, and helped articulate both the opportunities



and constraints associated with leveraging large-scale academic research through AI. These insights remain relevant for future initiatives at UiO and may inform similar efforts should conditions for funding, resourcing, and organisational anchoring change.

SFI COBRA – Centre for Biodiversity Genomics Innovation

dScience contributed to the development of the SFI COBRA (Centre for Biodiversity Genomics Innovation) application submitted to the RCN’s Centres for Research-based Innovation (SFI V) call. The proposal advanced to Phase 1 of the highly competitive evaluation process, reflecting a strong and competitive research agenda at the intersection of biodiversity genomics, data science and innovation. Key contributors to the application included Kjetill Jakobsen, Sissel Jentoft, Erlend Ragnhildstveit and Inga Frøland Steindal.

While the application did not progress to the final phase, the process strengthened collaboration across academic and industry partners and contributed to further developing research directions related to large-scale biological data and advanced analytics.

JUDNI – Joined-Up Decisions for Norwegian Infrastructure

dScience applied for funding for JUDNI – Joined-Up Decisions for Norwegian Infrastructure, a SPARK Social Innovation project led by David Cameron at UiO, with contributions from Arild Waaler and Martin G. Skjæveland. The project was funded and will start in 2026. The project is developed in collaboration with public-sector partners led by Statsbygg and Statnett.

JUDNI focuses on developing a systems-oriented digital framework to support more coherent and transparent decision-making across public agencies, addressing challenges related to climate change and digitalisation.

08

Hosting Centre of Digital Life Norway and NORA

Digital Life Norway

dScience has hosted administrative staff supporting the Centre for Digital Life Norway (DLN), which concludes its second five-year and final funding period in January 2026. DLN brought together biotechnology and data science communities across universities, hospitals, industry, and policy environments, with funding from the RCN.



The 2025 Forge participants at the end of the programme – tired, but rightfully proud of themselves!

Over the past decade, DLN established a national research community comprising more than 50 projects in digitally integrated life sciences. The centre fostered interdisciplinary collaboration, promoted FAIR data management practices, and advanced responsible research and innovation. DLN also hosted Norway's largest research school, engaging more than 500 members.

In addition, DLN developed a NOK 30 million Innovation Roadmap project, which will continue under the full operation of dScience. In 2026, the project will deliver a national strategy aimed at strengthening innovation emerging from academically intensive biotechnology in Norway. The strategy builds on a series of innovation pilots, including innovator buyouts, proof-of-principle funding, mentoring schemes, internships, and entrepreneurship training.

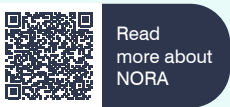
Highlights from 2025 include the Forge Accelerator Programme, a mentorship initiative, a postdoctoral internship scheme, and the Value Your Data pilot – all designed to support researchers in commercialising their work and generating broader societal impact.



Benedicte Stavik from RESQF7 – Overall Winner of the pitching competition.

NORA

The University of Oslo (UiO) hosts the national consortium NORA – Norwegian Artificial Intelligence Research Consortium. The NORA secretariat is organisationally anchored at dScience, which provides administrative and operational support. The Centre Leader has line management responsibility for the NORA CEO, Michael Solvang. Collaboration between dScience and NORA is close and mutually beneficial, with academic synergies and cooperation across staff.



Minister of Research and Higher Education Sigrun Aasland opened the annual conference. Here with Stefano Nichele from Østfold University College, conference host.

NORA's key strategic priorities in 2025 included strengthening NORA's position as a national access point for research, education and innovation in the field of AI, machine learning and robotics, whilst establishing a more prominent national role through large-scale AI initiatives of national importance. In 2025, NORA enhanced Norwegian participation in international cooperation through collaborations with the Alan Turing Institute (UK) and HIDA (Germany). The establishment of the Nordic AI Partnership was also a core priority in 2025, as it is the first initiative of its kind in the Nordic region: focusing on research excellence within foundational AI research for the benefit of Nordic society and industry. The MoU was signed in February in Stockholm, with NORA (Norway), The Pioneer Centre for AI (Denmark), FCAI (Finland), CADIA (Iceland) and WASP (Sweden) as partners.

Throughout the year, NORA demonstrated its commitment to fostering collaboration across disciplines. Recognising that AI advancement requires extensive interdisciplinary

cooperation and substantial computing resources, NORA served as a crucial connector between AI stakeholders in Norway and essential resources. Furthermore, NORA actively contributed to strengthening Norway's research policy and AI strategy, advising policymakers on optimal organisational structures and requirements for achieving international recognition of Norwegian AI research, education and innovation.

A significant research initiative established in 2025 by NORA is NORA-HS, a Norwegian graduate school dedicated to researching AI's impact on humanities and society.

As part of an effort to foster talent and increase interest in AI among students, NORA also organised the first Norwegian AI Championship, which gathered over 160 bachelor- and master students from all over the country.

Read more on their website here: <https://www.nora.ai>



AI and Democracy discussion at Arendalsuka: From left: Morten Dæhlen, Former dScience Centre Leader; Sigrun Aasland, Minister of Research and Higher Education; Rune Karlsen, Professor at UiO and Project Lead of KnowAI; Lilja Øvrelid, Professor of Informatics at UiO and Co-Director of Integreat; Klas Pettersen, Director of SimulaMet; and Anne-Kat. Hærland, AI user expert, NORA.ai.



There was a good vibe at dScience's event at Arendalsuka. From left: Sigrun Aasland, Minister of Research and Higher Education; Rune Karlsen, Professor at UiO and Project Lead of KnowAI; Lilja Øvrelid, Professor of Informatics at UiO and Co-Director of Integreat.

09

Staffing, the Board, and the Science Council

Management

- Morten Dæhlen, Centre Leader (until August 2025)
- Arne Bang Huseby, Centre Leader (from September 2025, Deputy for the Centre Leader from January-August)
- Eva Michelsen Ekroll, Head of Administration (on leave from October)
- Ingrid Shields, Head of Administration (from September 2025)

Office and Communication

- Cecilie Linea Ellefsen
- Christoffer Hals

Data Science Analytics Group

- Arash Ahmadi
- Svenja Christiansen (50%)
- Sherin Sugathan

Research and Projects

- David Cameron
- Keith Lewis (40%)
- Leif Næss (October 2024 – February 2025)

DSTrain

- Professor Arne Bang Huseby, Programme Coordinator
- Martha Elisabeth Brigg, Administrative Coordinator

Partner Program

- Birte Hansen (50%, on leave until June 2025)
- Nilla Karlsen-Davies (on leave until April 2025)
- Laura Slaughter
- Sander Tufte (50% until July 2025)

NORA

- Klas Pettersen (CEO until July 2025)
- Anam Javaid (on leave until March 2025)
- Michael Solvang (CEO from August 2025)
- Kushtrim Visoka
- Snezhina Duevska (on leave from October 2025)
- Justine Dickhoff
- Margrete Alva
- Geir Halnes
- Anne-Kat. Hærland (20% until October 2025)

Digital Life Norway

- Andrew Boyce
- Alexandra Dukic (from December 2025)
- Ingrid Shields (until August 2025)
- Henrik Lund (until August 2025)
- Birte Hansen (50%, on leave until June 2025)

dScience Board

- Solveig Kristensen, Chairman (The Faculty of Mathematics and Natural Science)
- Morten Dalsmo (SINTEF Digital)
- Astrid Fossum Gulbransen (DNB)
- Ole Christian Lingjærde (Department of Informatics)
- Erlend Fornæss Wold, Department of Mathematics
- Susanne Viefers (Department of Physics)
- Cecilie Rolstad Denby (Department of Technology Systems)

dScience Council

- Arnaldo Frigessi (Faculty of Medicine)
- Ingrid Kristine Glad (Department of Mathematics)
- Bjørn Høyland (Faculty of Social Sciences)
- Einar Broch Johnsen (Department of Informatics)
- Malcolm Langford (Department of Public and International Law)
- Are Raklev (Department of Physics)
- Geir Kjetil Sandve (Department of Informatics)
- Norbert Pirk (Department of Geosciences)
- Anna Smajdor (Department of Philosophy, Classics, History of Art and Ideas)
- Anne H. Schistad Solberg (Department of Informatics)
- Trude Storelvmo (Department of Geosciences)
- Geir Olve Storvik (Department of Mathematics)
- Erik Velldal (Department of Informatics)
- Morten Dæhlen (dScience/Department of Informatics)
- Arne Bang Huseby (dScience/Department of Mathematics)

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