



TRACK A - Digitalization and Managing Change

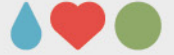
Bergen digitalization day

Sharing digitalization practices

Kristine Breivik

Faculty of Mathematics and Natural Sciences





The Norwegian philosopher Arne Næss:

“It is impossible to think anything but great thoughts in these surroundings”





Content of the presentation

- University of Bergen
- Digitalisation at UoB
- The #ORG2022 Project
- Digitalisation Day
- Our ongoing journey
- Reflections





Facts

- 7 faculties
- Around 50 institutes and centres
- 16,300 students
- 3,700 staff
- About 250 PhDs annually
- Approximately 3,000 academic publications annually
- Approximately 2,500 get a degree at UoB every year

Main Focus Areas



Global Social Challenges



Marine Research



Climate and Energy Transition

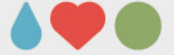




Knowledge that Shapes Society

- The University of Bergen is an international research university in which all activity is based on academic freedom and curiosity-driven research
- Our mission is to contribute to society through our expertise acquired through excellent research, education, dissemination of knowledge and innovation
- The faculties and the University Museum represent our most important knowledge arenas
- We shall profile the relevance of research and education. Controversy and dissemination of knowledge are a prerequisite for developing academia and a democratic society.





“Digitalisation is an important strategic focus for UoB”

[Rectors blogg](#)



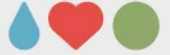


Digitalisation at the University of Bergen

- Active teaching and learning
- Digital assessment
- Secure handling of research data
- Innovative dissemination
- Effective administration

- BOTT-cooperation





Our Digitalisation Strategy

Five basic strategies:

1. An Underlying Digitalised Infrastructure
2. User-Oriented Digital Services
3. The Digitally Accommodating University
4. A Self-Servicebased University Administration
5. A Culture of Change and Implementation





#ORG 2022

“The goal of the #ORG2022 project is to develop efficient administrative and technical services for UoB”

- «Preparation Project» 2016-2018
 - Strong leadership involvement
 - Steering Group/Resource Group/Secretariat
 - Involvement from all of the organisation
 - «Low hanging fruits»
 - Digital Strategy, BOTT and DiGUiB





#ORG2022 – Our Projects

- Digital exam and assessment
- Review of work processes
- Project and portfolio management
- E-learning for employees
- Digital travel bills
- Digital forms
- Fewer letters by mail
- The internal labor market and mobility
- Digitalisation of the hiring processes
- Refunding project
- Digital Day





Digital Day - the idea

Digital Day for employees

All UoB employees are invited to participate in Digital Day in Grieghallen on October 4th.

There, UoB colleagues will present ongoing digitalisation projects, tools and methods, and future digital solutions.



*Digital day aims **to inform, inspire and motivate** all employees and together give them the opportunity to develop their digital knowledge and skills.*





Preparations

- Invitations - Response
- The committee
- Our leaders' role
- Creating a profile
- Information
- Word of mouth
- Joint effort
- The costs





Program of the day

The program consisted of:

- 25 stands from UoB groups presenting their digitalisation work
- Talks from the stage (some in English)
- UoB projects displayed on screens
- Trying out tools and programs
- Mingle with colleagues





The stands (1)

- *Dragefjellet Learning and Communication Center - Faculty of Law*
- *BRITA (IT department) is moving the entire Help desk to Grieghallen.*
- *E-learning courses*
- *Sikresiden (mobile-adapted website on security)*
- *The virtual dental chair - Department of Clinical Dentistry*
- *Digital loom*





The stands (2)

- *Collection and dissemination of large amounts of data - Faculty of Mathematics and Natural Sciences*
- *Norwegian Citizens Panel and Citizens Lab - Faculty of Social Sciences*
- *Digital Language and Literature Resources - Faculty of Humanities*
- *Faculty of Medicine – instrumentations and learning*
- *University Museum of Bergen*
- *University of Bergen Library*





The stands (3)

- *The Digital Study Administration*
- *TekLab*
- *SLATE - Centre for the Science of Learning and Technology*
- *DigUiB Læringslab – Communication Division*
- *MittUiB – Try our new app!*
- *bioCEED - Center of Excellence in Biology Education*
- *SAFE – secure storage of research data*
- *Bergen Teknologioverføring (BTO) – Guiding Good IDEAS*
- *IT-security*
- *Customized IT for research and education*
- *Digital building – Estate and Facilities Management division*
- *Self-employed financial services*





Short scientific presentations on digitalisation



- 09.30 - Rector [Dag Rune Olsen](#) and university director [Kjell Bernstrøm](#) - Digitalisation at UoB
- 10.00 - Associate Professor [Lise Hellebø Rykkja](#) - Digitization, organizational development and collaboration
- 10:30 - Adviser [Camilla Ahamath](#) - How does the University Museum use social media, 5 tips on how to get more followers on Facebook
- 11.00 - Associate Professor [Christian Jørgensen](#) - Using mobile in classroom dialogue
- 12.00 - Professor [Barbara Wasson](#), - Technology Enhanced Learning Research in a Nutshell
- 13.00 - Associate Professor [Victoria Rosén](#) - Digital Language Research
- 14.00 - Associate Professor [Robert Gray](#) - Teaching and Learning in the Digital Age

The scientific presentations lasted 10-15 minutes and were streamed





Evaluation

Professor MED

«This was a GREAT initiative and exciting and relevant learning - I had a great day with both a good contact with the IT department and got a number of technical 'scams', and with the library and learned more about how to make even more of it visible we do within the group - is in the process and website etc.

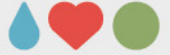
THANK YOU FOR A GREAT DAY – this should be repeated every year!”





Using the facilities – and the momentum



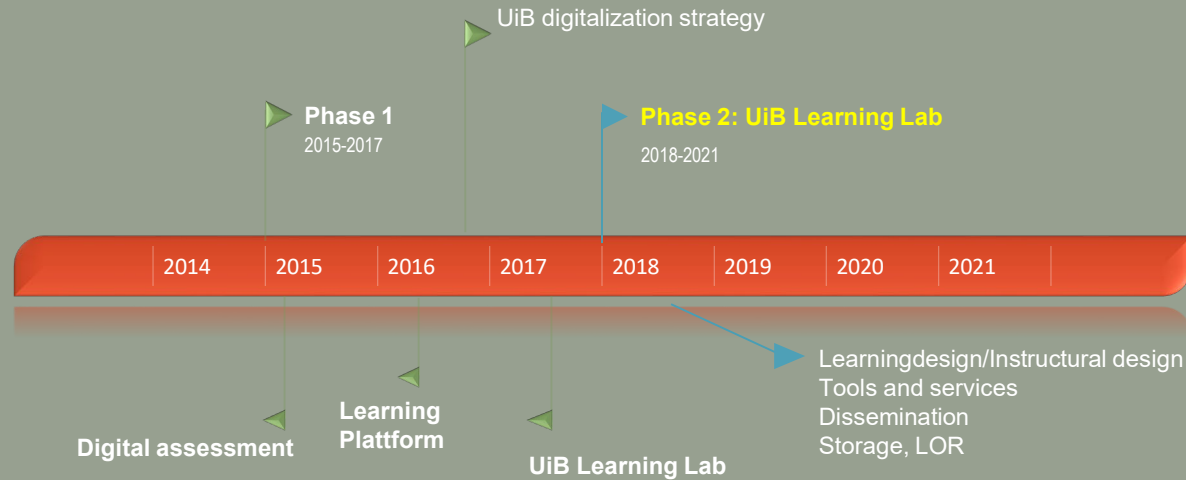


The importance of local activities

- Preparing for the BOTT-systems and standardised routines
- Digital Learning Day at our faculty
- Today's digital tips
- Sharing knowledge in staff meetings
- Assign system responsibilities
- Use of e-learning
- Respect the differences in skills – the generation gap



Digital education programme





Learning Lab at UoB

- Important part of the UoB cluster strategy
- Cross-field organised
- Support and development
- Innovativ dissemination

Supports

- development of teaching
- use of technology for teaching and dissemination
- planning and adjusting educational programmes
- dissemination of research and education



UoB Learning Lab:
education,
assessment and
dissemination



Effective
administration



Infrastructure and
research

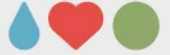


Organisational development



The UoB digitisation portfolio





«A Real Digital Assessment Journey»

Gartner analyst Jan-Martin Lowendahl at the Gartner Symposium / ITxpo 2018 conference:

- Presented UoB as an example of how to approach a full digitalisation of the assessment process at universities.

UiB trukket frem på ledende digitaliseringskonferanse

Under en sentral europeisk IT-konferanse i Barcelona ble UiB sin digitale satsing eksemplert.



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The challenges in digitalisation and development projects

UoB has

- Ambitious digitalisation strategy
- Significant activity level - much has been achieved
- A leading role in digitisation of teaching activities
- The BOTT cooperation

But...

- Still lots of "power on paper"
- We have had little focus on profit realisation
- Project implementation and structure vary, so do execution power
- Constant need for overall thinking and coherence
- A desire for even stronger involvement, leadership and commitment of the research leaders

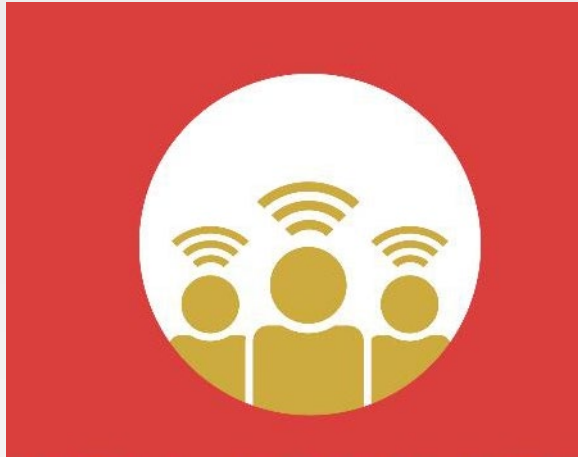




«Self-service based» – it effects our working environment

- Services
- Availability
- Work processes
- Competency requirements
- Forms of cooperation
- Interaction patterns
- Employee role
- The leadership role







UNIVERSITY OF BERGEN

