



UiO : Universitetet i Oslo

Reimagining IT at University of Oslo –Transforming IT services to the needs in the 21th century

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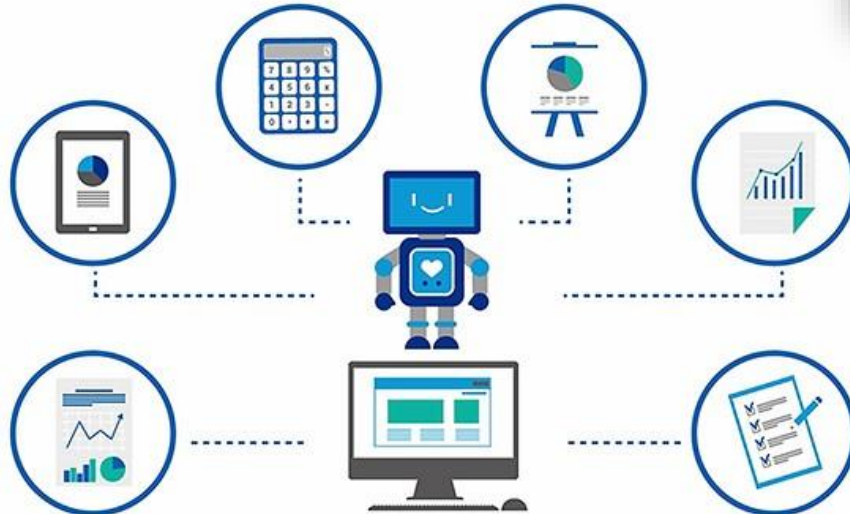
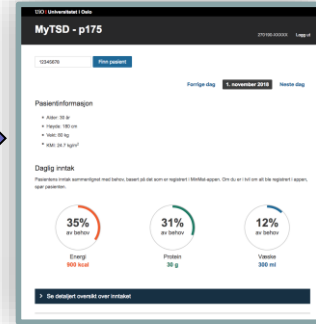
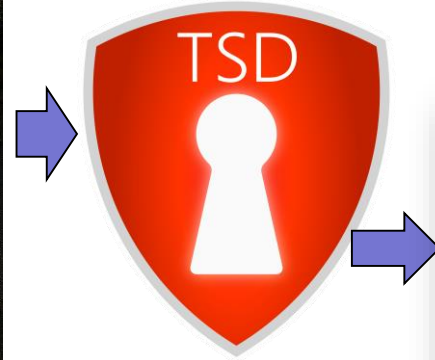
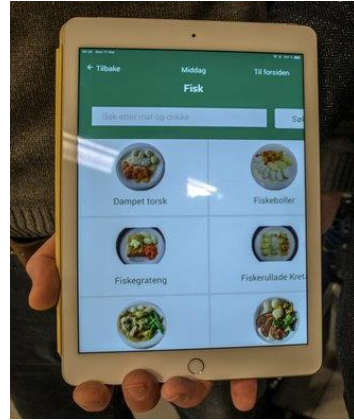


University of Oslo (and me)

- Best research university in Norway
 - Ranking Shanghai: 62
- Budget 8 billion (NOK)
- Students: 28.000
- Staff: 6600 FTEs
- IT-director 2007 – today
 - USIT – University Centre for Information Technology

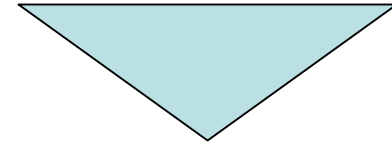


Why reimagining IT



Develop a digitalization plan

- Workgroup
 - Dean, researchers,
- IT in science
- IT in education
- Masterplan for IT – digitalization plan
 - Needs from researchers
 - Survey from the faculties
 - Resource analyses
 - IT trends
 - Research on IT in organizations



IT

Content of the digitalization plan

- A summary of the current situation for UiO's use of IT
- An overview of the most important trends
- Vision
- Challenges and user needs
- Financing needs and relevant financing models
- Recommendations

Survey result

- UiO's ambitions – larger investments are absolutely crucial
 - Dilemma: Who pays for what?
- Problem analysis from the faculties
 - Gap between IT and educators/researchers
 - Technology and services offered
 - Support offered
- Research and education: domain-dependent and domain-specific
- Good IT infrastructure and basic IT services, secure

Recommendations

- Strategic alignment of IT with business
- IT competence and skills development
- Domain-near IT support for research and education
- Coordination and prioritization for the university's IT
- Organization of IT at UiO
- Financing and financing models

IT in Research

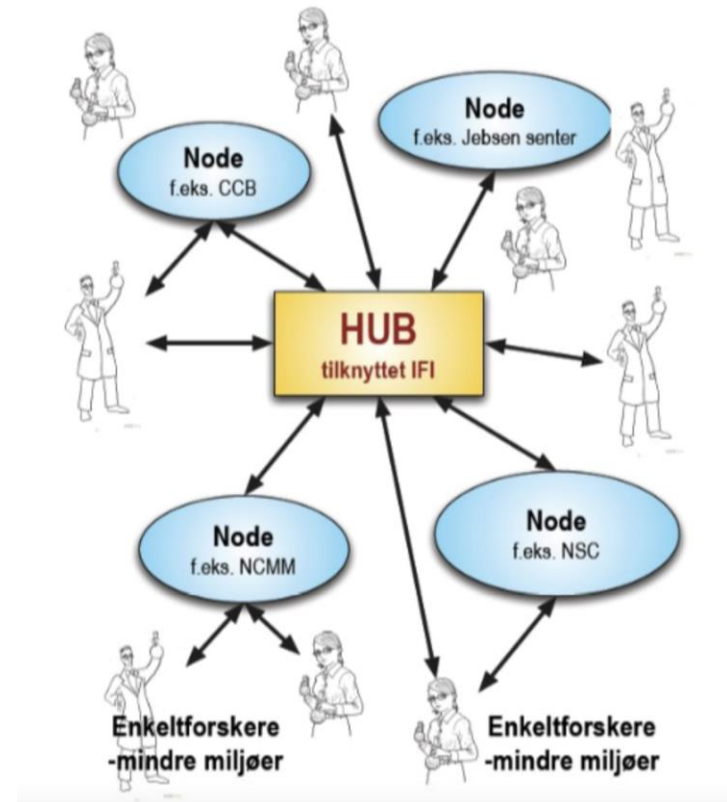


cOAlition S
Making
Open Access
a reality
by 2020



Hub/node for research and education

- Hub/node
 - Research needs
 - eInfrastructure
- 7 Hubs already

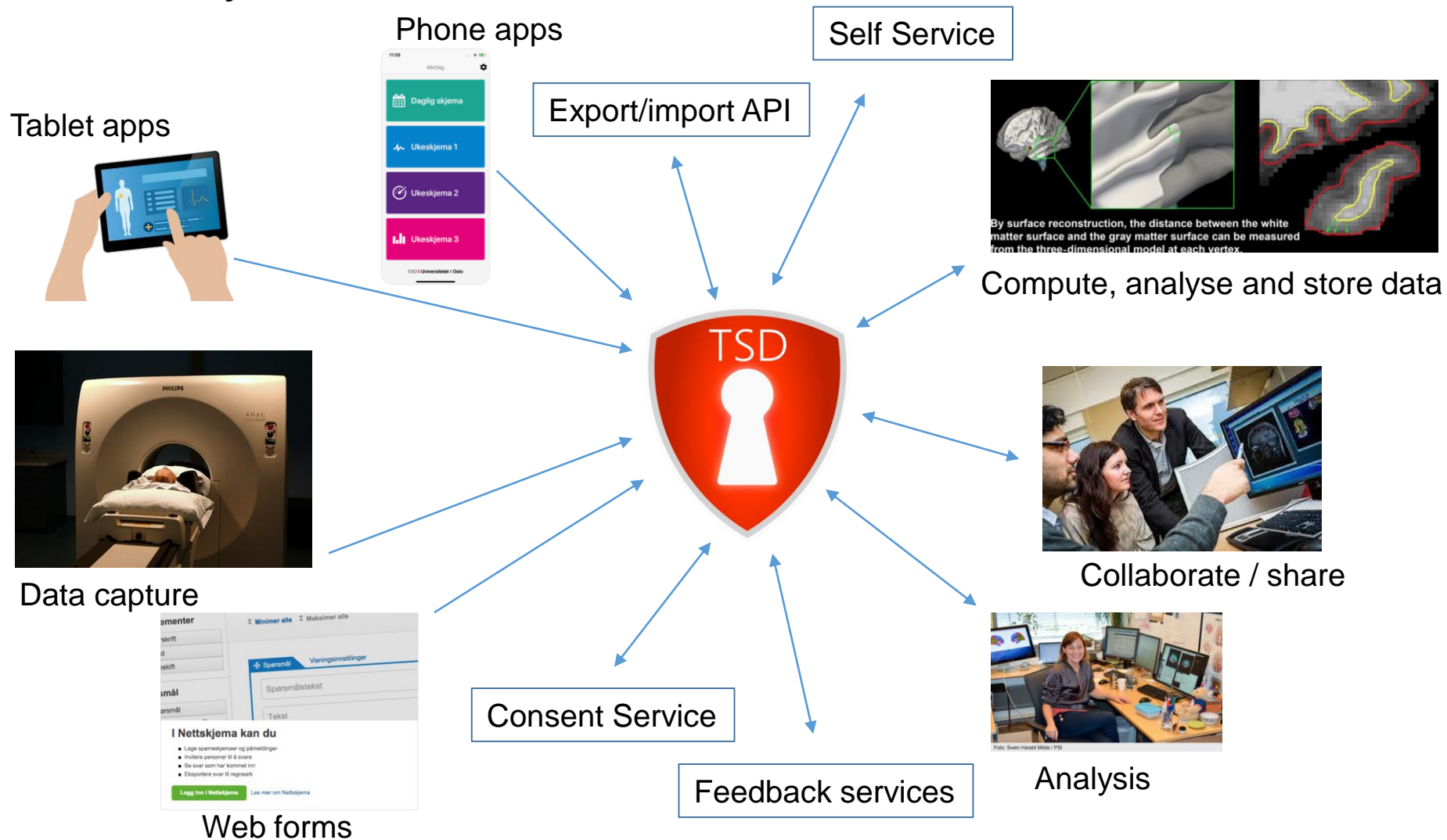


Platforms for IT in research

- Services for sensitive data (TSD)
- Research platform
- GDPR

Services for Sensitive Data (TSD)

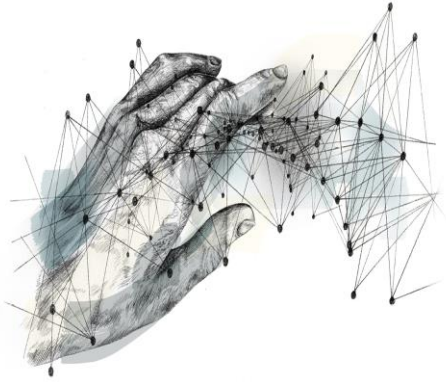
- What is TSD?
 - provides a platform for researchers at UiO and other public research institutions
 - can collect, store and analyze sensitive research data in a secure environment
 - secure project area
 - integrated solution for collecting sensitive data (Nettskjema)
 - access from anywhere in the world
- <https://www.uio.no/english/services/it/research/sensitive-data/>
- Video about TSD
 - <https://www.uio.no/english/services/it/research/sensitive-data/tsd-video/>



Recommendations IT in research

- Platforms
- Hub/node
- Competence and skills
- Joint national services

IT in Education



16.08.2019

Datalaboratoriet ved Fysisk Institutt - Universitetet i Oslo

CAND. REAL F. INGEBRETSEN OG DR. R. NORDHAGEN

Fig. 1. PDP-7 og bruker i livlig passiar. Merk skapet til høyre på bildet, med instrumenter (forsterkere, analog til digital omformere, etc.) som kan plugges inn med et enkelt håndgrep. (Nuclear Instrumentation Modules NIM).

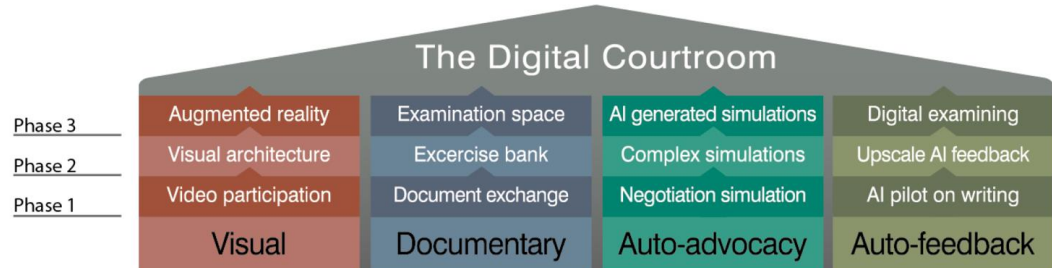


Foto: Bjørn-Kåre Iversen



IT in education

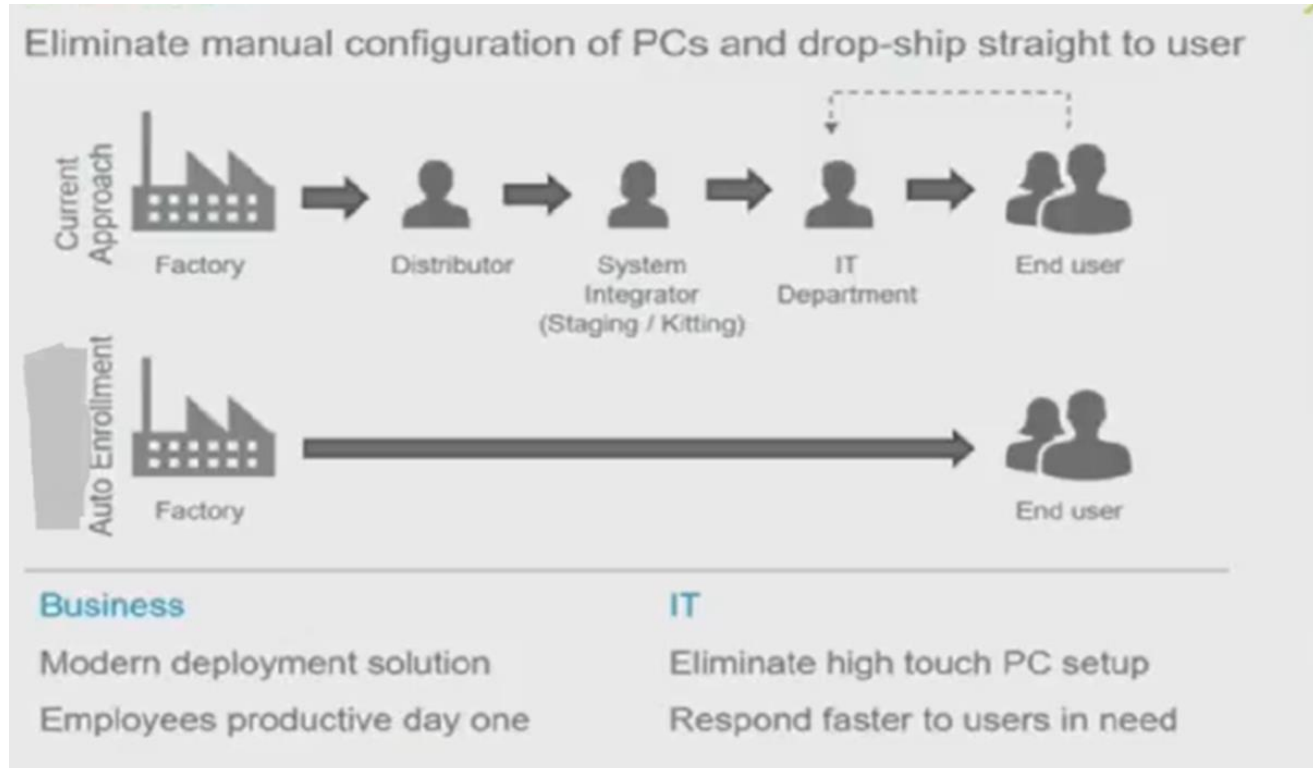
- “The goal of CCSE is to integrate computing as a natural tool in basic educations, to make the education research near and to prepare students for an interdisciplinary workplace”



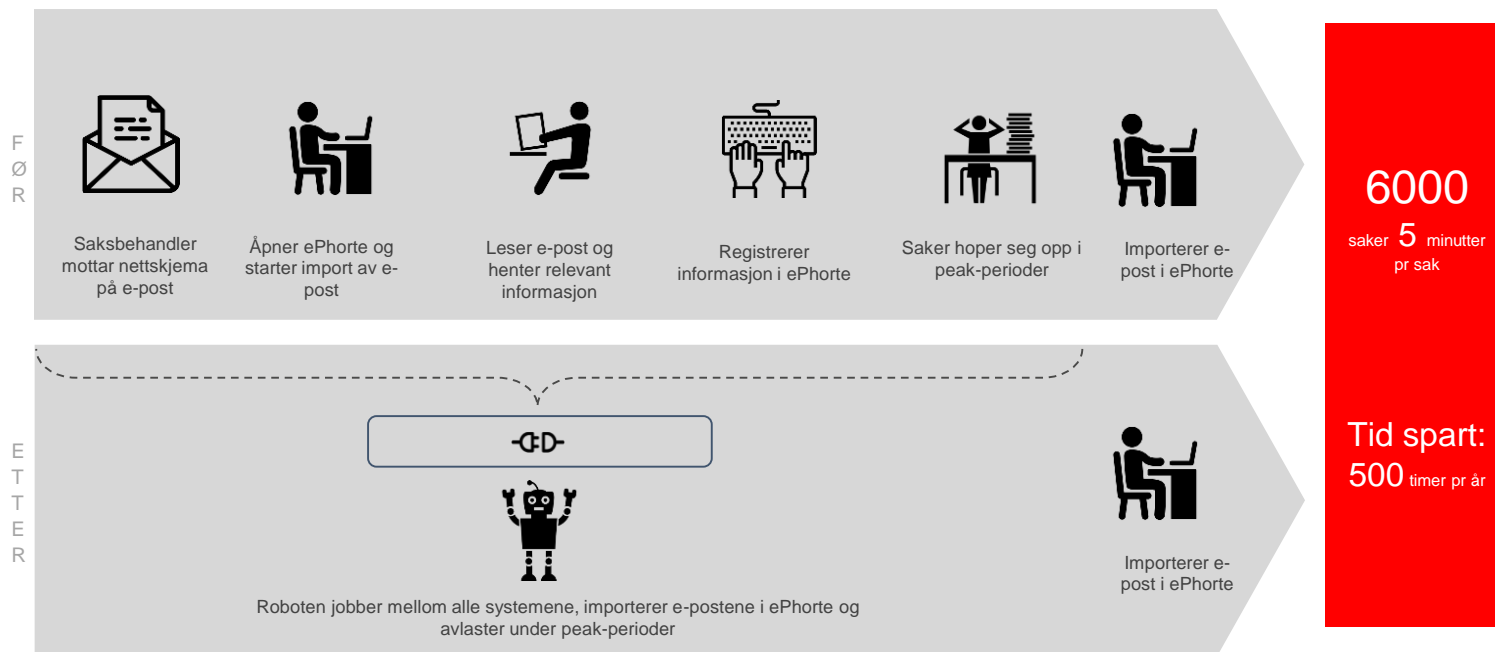
Recommendations IT in education

- Promote innovation in digitalisation and IT in all education and studies
- Strengthen employees and students digital competence and skills
- Develop students' learning and study environments
- Increased emphasis on connecting digital and physical learning environment
- Improve support for evaluation and feedback along the way, learning analytics and educational leadership

IT infrastructure and basic IT services



Administrative IT



IT Governance

– coordinating, prioritizing, portfolio management

- Governance challenges:
 - Competence
 - Focus
 - Transparency
- Changes in Governance in higher education
 - «New» strategy from the Ministry of Education and Research
 - Directorate for ICT and joint services in higher education and research

New IT Governance

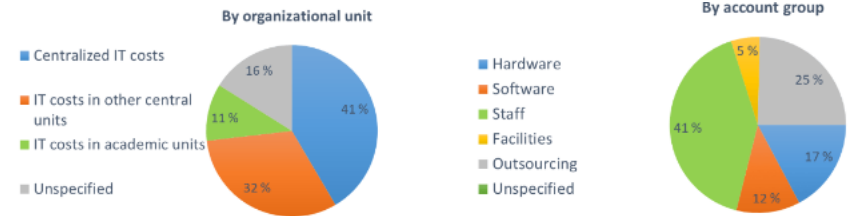
- Strategic coordinating group for IT
- Subgroups
 - IT in research
 - IT in education
 - Administrative IT
- IT part of the responsibility for the director
- National services

Organizing of IT

- Status
- Technology trends
- Competence
- Challenges
- One:IT
 - Project

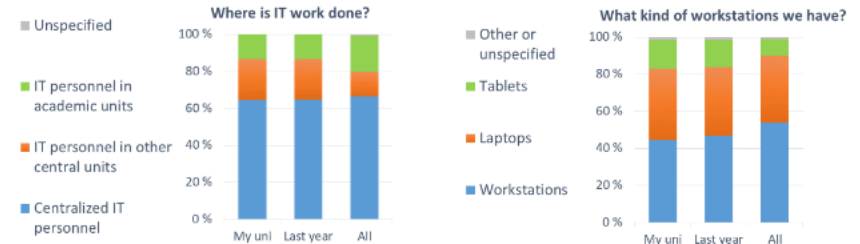
Financing of IT

- Cost IT on UiO
 - ~500 million NOK (Bencheit)
- Invest in IT!
- Financial models



Comparison

You can also compare your organization against your peers. In the BM analysis, you can pick up four of your fellow organizations and put them in comparison by all indicators.



Status digitalization plan

- Approved by the board
- Project for a new IT organization
- Implementing governance structure
- Plans for IT in research and education

- Focus on IT
 - Executive leadership

Thanks!

- <https://www.usit.uio.no/om/it-dir/strategi/masterplan/>

The screenshot shows the homepage of the UiO USIT (Universitetsstyrets senter for informasjonsteknologi) website. The header is dark with the UiO logo and navigation links for 'For ansatte', 'English website', and a search bar. Below the header is a navigation bar with links to 'Forsiden USIT', 'Tjenester', 'Prosjekter', 'Om USIT' (which is highlighted), and 'Personer'. The main content area has a sidebar on the left with a vertical menu containing 'Om USIT', 'IT-direktøren', 'strategi', 'Masterplan' (highlighted), and sub-items 'Om' and 'Anbefalinger'. The main heading is 'Masterplan for universitetets IT'. Below this is a section titled 'Årsplan for Universitetet i Oslo for 2018-20:' with a quote from the strategy 2020. To the right of this section is a search bar and a 'Søk' button. Below the search bar is a 'Kontakt' section with contact information for the 'Arbeidsgruppa' and 'Sekretariatet'. The main content area continues with a section titled 'Universitetsstyret satser på IT!' which states that the university board has decided on the Masterplan for IT at a meeting on June 18-19, 2019. It then lists the board's decision to coordinate IT work and follow up on the Masterplan, and lists the structure for coordination, including a strategic coordination group for all IT (SK-IT) and strategic coordination groups for IT in research, IT in education, and administrative IT.

For ansatte English website Søk

UiO : Universitetets senter for informasjonsteknologi

Forsiden USIT Tjenester Prosjekter Om USIT Personer

Om USIT

IT-direktøren

strategi

Masterplan

- Om
- Anbefalinger

Masterplan for universitetets IT

Årsplan for Universitetet i Oslo for 2018-20:

“God infrastruktur for IT er vesentlig i arbeidet med å nå målene i Strategi 2020. UiO skal utarbeide en masterplan for IT; et overordnet styringsdokument med tydelige føringer for konkrete initiativ, prosjekter og satsinger.”

Søk i nettstedet

Søk

Kontakt

Arbeidsgruppa:
it-masterplan@uio.no

Sekretariatet:
it-masterplan-core@uio.no

Universitetsstyret satser på IT!

Universitetsstyret behandlet Masterplan for universitetets IT på møtet 18.-19. juni 2019 og besluttet følgende:

«Styret ber universitetsdirektøren koordinere arbeidet med oppfølging av Masterplan for universitetets IT og holde styret orientert om framdriften. Styret beslutter:

1. Det etableres en struktur for koordinering, prioritering og porteføljestyling av universitetets IT- virksomhet, bestående av:
 - Strategisk koordineringsgruppe for all IT (SK-IT)
 - Strategiske koordineringsgrupper for:
 - IT i forskning
 - IT i utdanning
 - Administrativ IT