UNIT

Norwegian Ministry of ICT
and joint services in HED

# Digitalisation and information security during Covid 19 (and beyond)

by Roar Olsen, Executive Director Unit

# ABOUT UNIT

# Helping the HE-sector **realize** the currently applicable **sectoral objectives** for research and higher education

## Governance

- National coordination
- Following up the strategies set by the Ministry
- Portfolio management
- Architecture governance
- Following up the initiatives from the HE-sector.

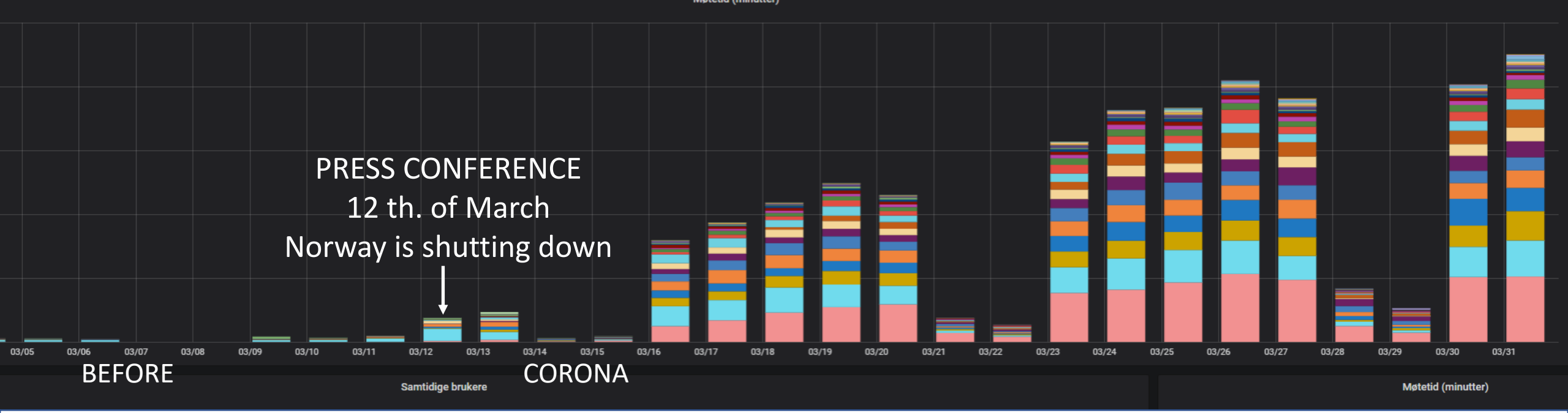
## Service Delivery

- System and service provider (development and procurement)

# Key figures

- 200 staff
- 2 locations
- 50 services
- 220 institutions
- 3 sectors
- €50 mill budget

# DIGITALISATION DURING COVID 19




# Teaching within higher education was moved to digital platforms in under a week

# Unit and the HEIs in the times of Covid-19

- Pre-existing collaborative forums used for webinars and guidelines provided
- Upscaling the capasity for Video, Collaboration tools and Digital examination together with Uninett
- Developed national GDPR guidelines for using video in education

UNIT Direktoratet for IKT og fellestjenester i høyere utdanning og forskning

Tjenester | Handlingsplan for digitalisering | Digitalisering | Om Unit | Søk | MENY

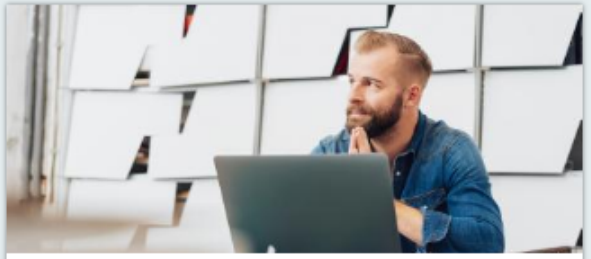
## Digital utdanning

English

DIGITAL UTDANNING KORONA

### Hvordan minimere risiko ved digital eksamen?

Sist endret: 06.04.2020



DIGITAL UTDANNING KORONA

### Omlegging til digital eksamen

Sist endret: 31.03.2020

DIGITAL UTDANNING KORONA

### Videoundervisning og personvern

Sist endret: 20.03.2020

DIGITAL UTDANNING KORONA

### Covid-19: Nyttige ressurser for digital undervisning

Sist endret: 14.03.2020

DIGITAL UTDANNING KORONA

### Enormt trykk på digital undervisning

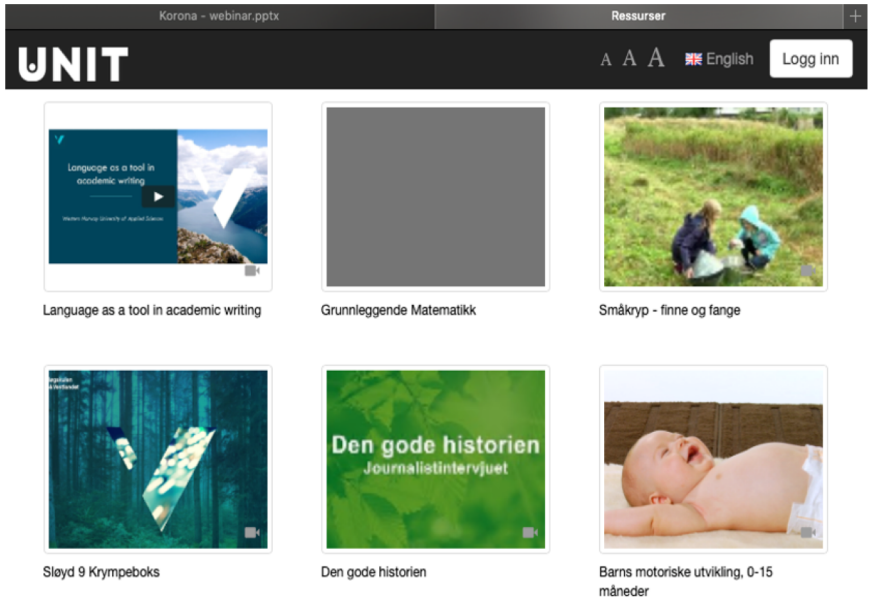
Sist endret: 13.03.2020

DIGITAL UTDANNING KORONA

### Koronaviruset: Anbefalinger og tiltak fra Unit for digital undervisning og eksamen

Sist endret: 11.03.2020

# Easily accessible and quality assured digital learning resources are especially valuable in times of crisis, and have great long-term value for society in relation to lifelong learning




OPEN edX

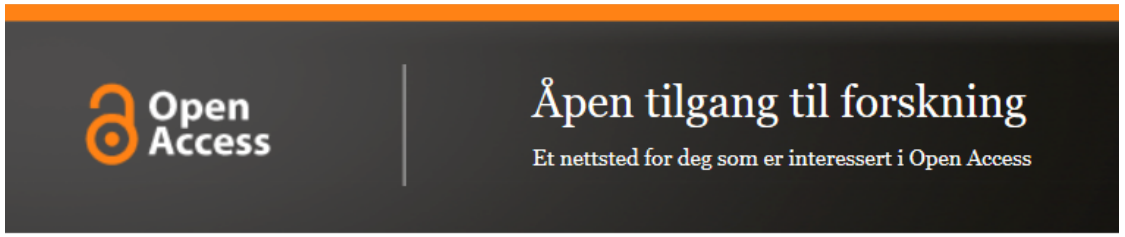
CANVAS

- A joint solution for search, accessing and finding information about available resources will be established, including guidelines

# We need effective and open systems to share and disseminate research widely and freely - at no cost to others

**What?**

- All research results
- Authors retain copyright to their published work
- Various licenses regulate reuse

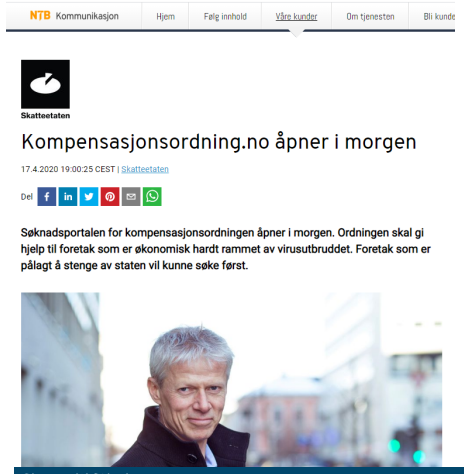


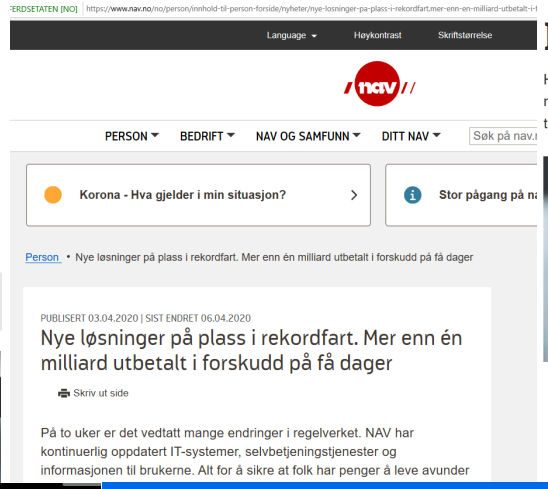

**Why?**

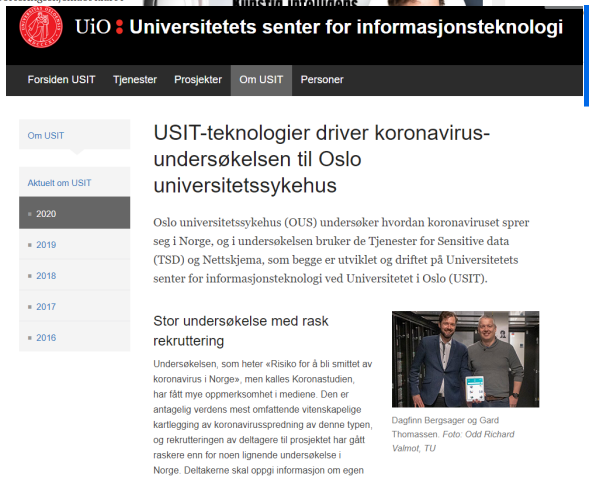
- Equal access to information strengthens democracy
- Openness strengthens the quality of research, and the trust in it
- Early access to information helps increase participation in research and more rapid results

➢This is especially relevant at the present time as early research results can help identify new tests, medicines and vaccines that can help in the fight against COVID-19

# Modern development methodology for IT solutions and partner-based collaboration with the supplier market shows its strength during the crisis







# INFORMATION SECURITY

# Home office security challenges were obvious, but (surprisingly) few serious incidents so far

## Vulnerabilities!

## Who was best prepared?

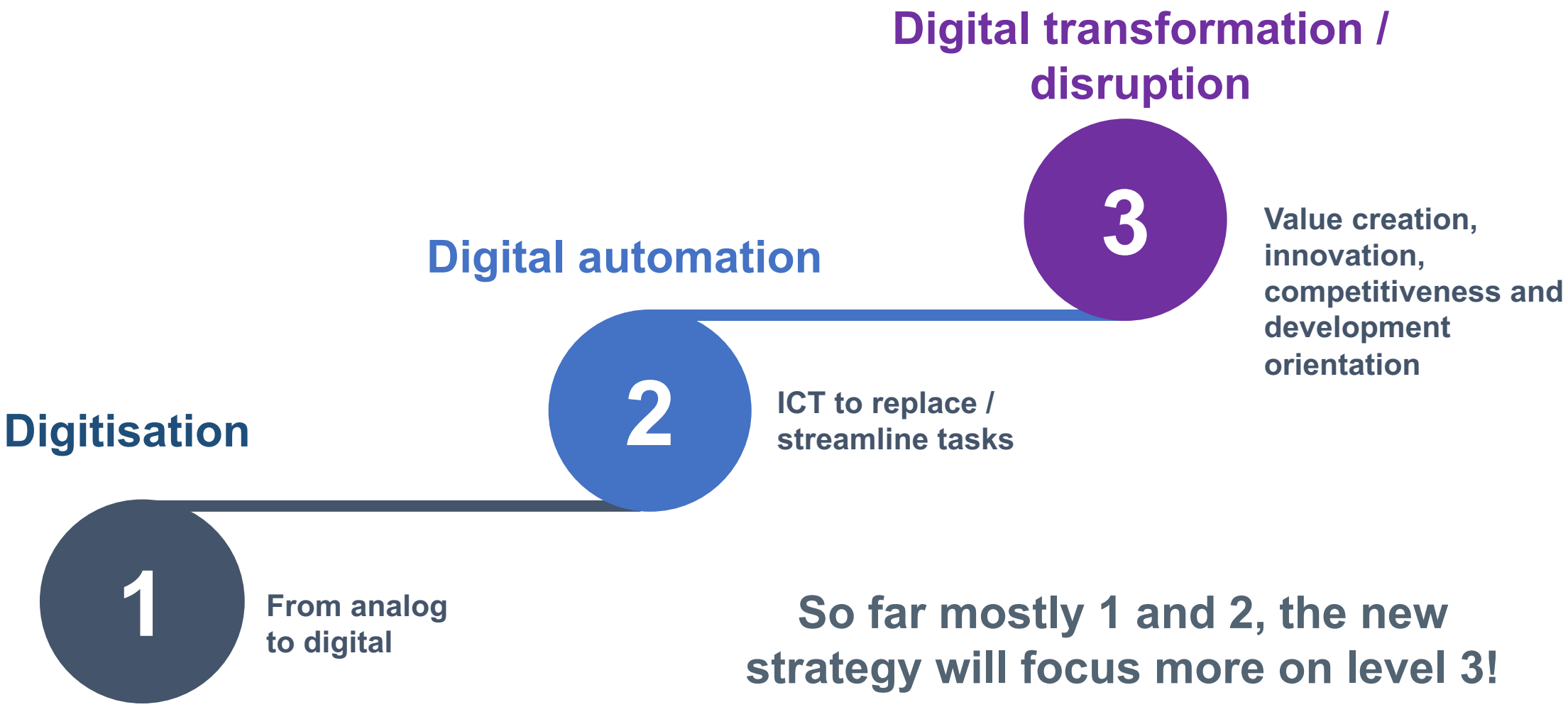
# Certified video solutions provided by trusted third parties should be preferred

## Vulnerabilities!

## Who was best prepared?

# LONG TERM ASPECTS
# –
# NEW STRATEGY FOR DIGITALISATION IN HED

# The three levels of digitization




**So far mostly 1 and 2, the new strategy will focus more on level 3!**

# *The road towards 2030*

***Competence***

**Digital pedagogy**
**Digital attitude**
**Skills**

**Culture**

**Applications**
**Shared services**
**Artificial Intelligence**
**Data**

**Infrastructure**

# Structure and content for a new digitisation strategy

**Overall goals for HE**

**Challenges:**
Why is this digitalisation strategy needed?

## Aims

Student
Teacher
Researcher
Manager

Nye målbilder

- Content and design of study programs
- Research efforts
- Workplace and society

Administration
Data and infrastructure

**Opportunities**
Existing solutions and new opportunities

**Preconditions**
Culture, structure, organisation, funding

**Foundation for digitalisation**

**Education**

## Themes and priorities

**Research**

**Technology and data**

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