

# **BencHEIT survey**

What is BM-survey and some findings from BM2020

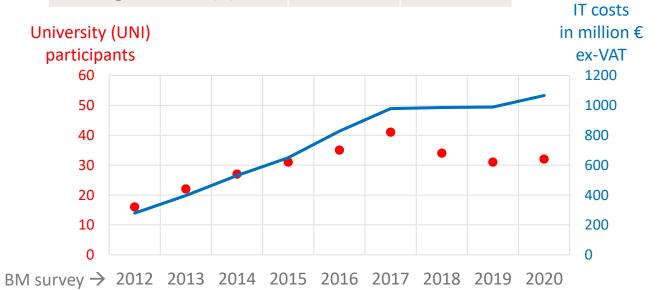
bm-pg@eunis.org

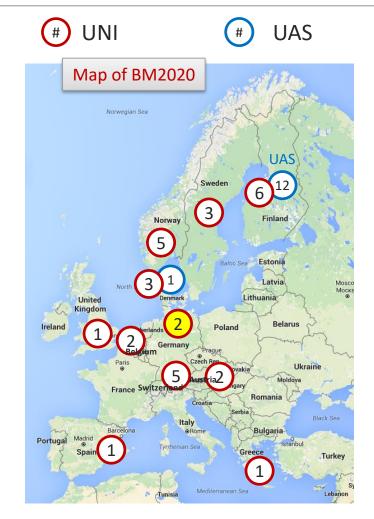




## **BencHEIT Survey / Survey statistics**

VAT not included	2019	2020
Participation UNI	31	32
Average IT cost (€)	31,6 M€	32,2 M€
Participation UAS	13	13
Average IT cost (€)	4,1 M€	4,3 M€









#### **BencHEIT survey 2020**

#### Content of these slides

- 4 Principles, participation and process of the survey
- 17 BM2020 Analysis / Some examples of findings
- 24 BencHEIT contact info
- 25 BM2020 participant list

#### **BM Task Force**

- Mr. Ilkka Siissalo, University of Helsinki, Chairman
- Mrs. Yvonne Kivi, University of Helsinki, Secretary
- Mr. Martijn De Keere, Ghent Univeristy
- Mr. Kari Kataja, Häme University of Applied Sciences
- Mr. Ole Langfeldt, Norwegian University of Science and Technology
- Mr. Peter Bruun Nielsen, Aarhus University Denmark
- Mr. Jussi-Pekka Pispa, Tampere University of Technology
- Mr. Teemu Seesto, FUCIO Network of Finnish Universities' CIOs
- Mr. Thomas Sutter, University of Zürich
- Mr. Raimund Vogl, University of Münster
- Mr. Hans Wohlfarth, KTH Royal Institute of Technology





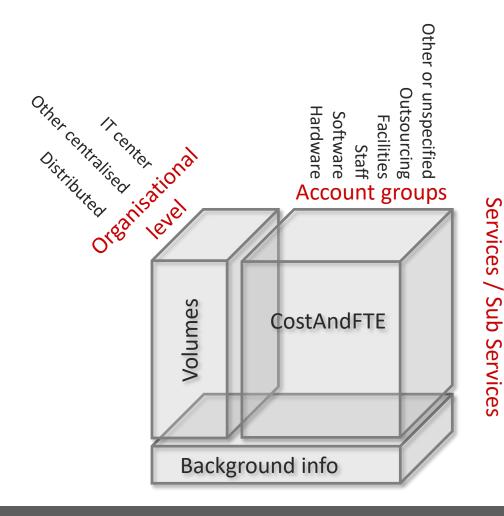
#### **BencHEIT Survey / The survey**

- Free of charge
- A survey on IT costs and volumes of higher education institutes.
- Invented, developed and managed by CIOs (within EUNIS community)
- Transparency: Participants see the analysis and each others complete data.
- Cash flow based → fluctuation between years especially for one organisation.





#### **BencHEIT Survey / Dimensions**



Infrastructure

- Operative
- HPC

Workstations

- Workstations
- Printing

**IT Service Desk** 

Data networks: LAN & WAN

Voice services

- Telephony
- Phone calls

**Business applications** 

- Finance
- Human resources
- Facilities
- Communications
- Student administration systems
- Teaching
- Research administration
- Research
- Library
- Other
- Unspecified

IT management

- Management
- Information security

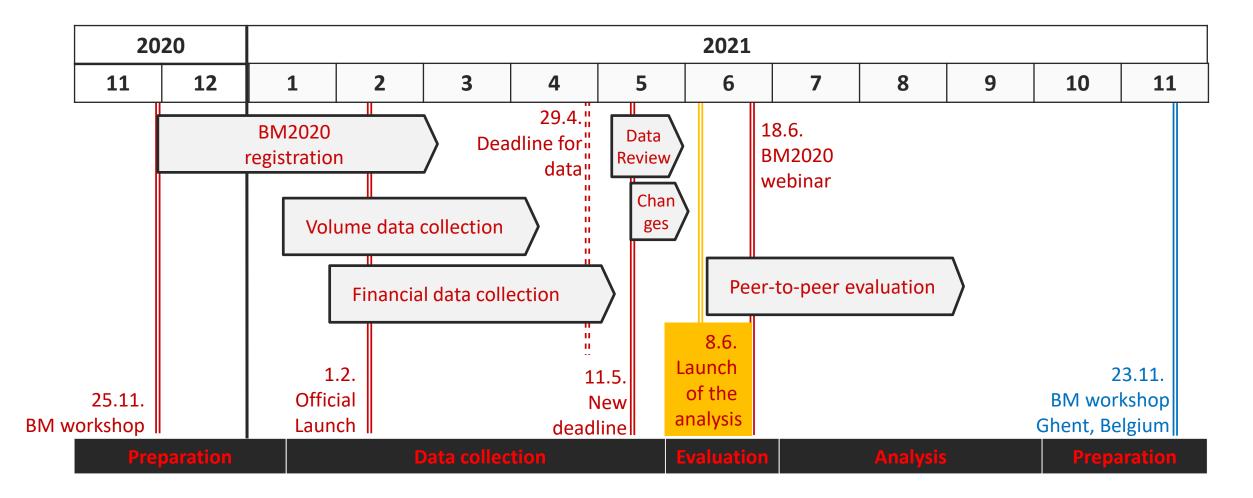
Audio visual services

Other or unspecified





#### **BM2020 Survey / Timetable**

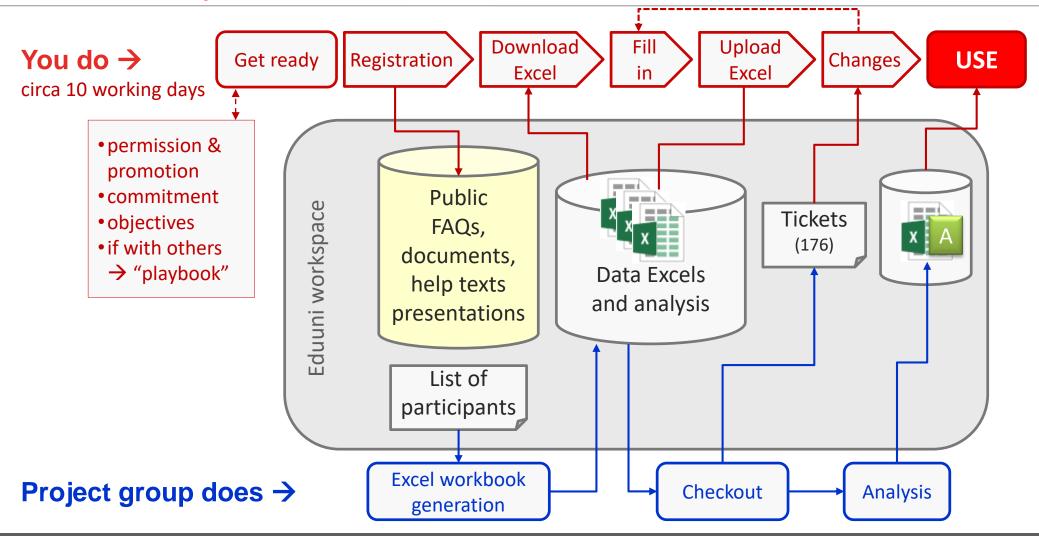


6





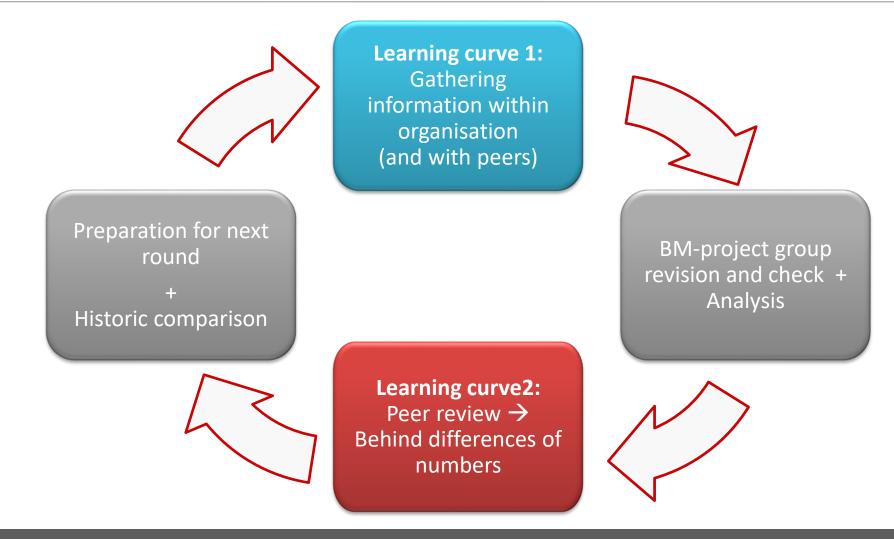
#### BM2020 Survey / How did it work?







## **BencHEIT Survey / The process**





IT costs in other central units
IT costs in academic units

IT share of institution budget

IT net share from university costs

Income from IT services

Unspecified

\*Total IT costs

#### **BM2020 Analysis – Sheet: CIO summary**

8 005 k

3 353 k

27 090 k

8.2 %

2 398 k

7.5 %

0 k

6 411 k

2 382 k

22 305 k

6,8 %

477 k

6.6 %

0 k

30 286 k

21 211 k

119 371 k

0 k

7.0 %

3 530 k

6.8 %

37 413 k

25 510 k

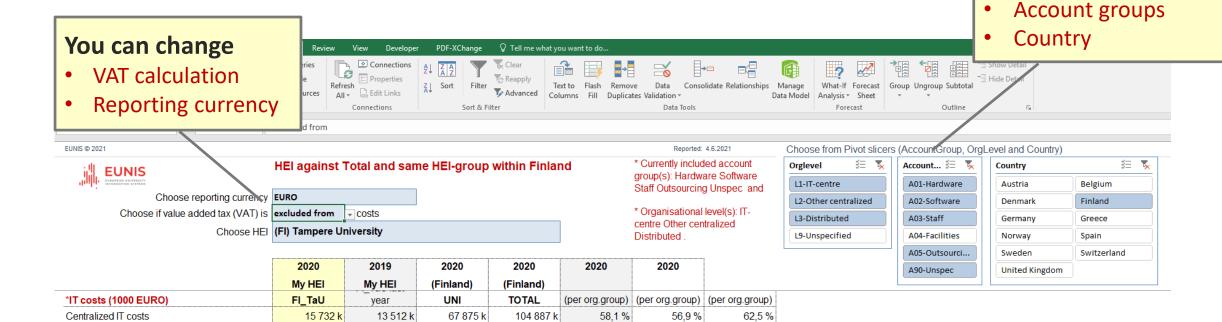
167 810 k

7,4 %

7,2 %

6 458 k

0 k



29.5 %

12.4 %

0,0 %

100,0 %

25.4 %

17.8 %

0,0 %

100,0 %

22,3 %

15,2 % 0,0 %

100,0 %

Filter by

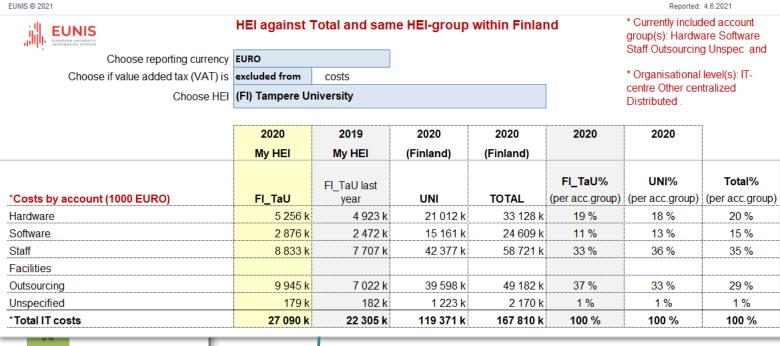
Organizational level

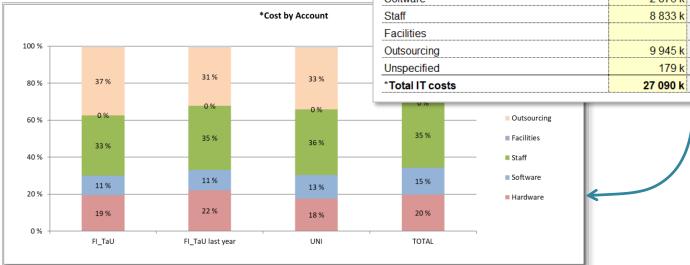




#### **BM2020 Analysis – Sheet: CIO summary**

Me and my sector (in my chosen currency, VAT, filters)



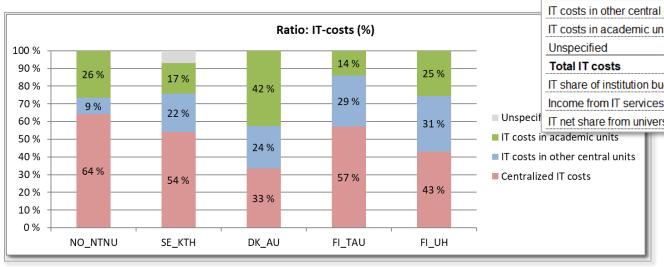


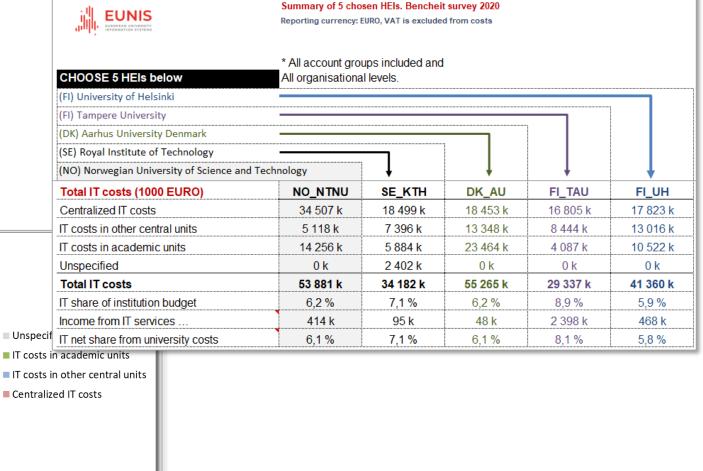




#### **BM2020 Analysis – Sheet: Choose 5**

Me and my mates (in my chosen currency, VAT, filters)





Reported:

4.6.2021



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EUNIS @ 2021



#### **BM2020 Analysis – Sheet: HElgroup**

## My type and size

#### Staff FTE size:

14 0 - 1000

17 1001 - 4000

14 4001-

#### **HEI Budget size:**

0 0 - 100M€

4 100 - 300M€

41 300M€-

EUNIS © 2021							Reported	i: 4.6.2021
	Comparison	: Organisatio	n type and si	ze 2020				
EUNIS SUBBLAG UNIVESTIT SUBBLAG STATISST	Reporting clirrency, NOR-Norwegian krone					Group	Number of HEIS	
•	_	1				University sector	UNI	31
University sector for comparison:	UNI					Total personnel FTE (UNI	4001-	14
Choose your university: (NO) Norwegian University of Science and Technology					Institution budget (UNI)	300M€ -	31	
		Numbers in group columns are average			HEI type:	UniMulti	22	
		University		Total personnel	Institution			
		sector	HEI type	FTE	budget			
Breakdown by use of workstation *	NO_NTNU	UNI	UniMulti	4001-	300M€ -			
Personal use	57 %	71 %	73 %	73 %	71 %			
Student classrooms	14 %	13 %	12 %	8 %	13 %			
Research laboratories	5 %	10 %	8 %	12 %	10 %	_		_
Other or unspecified	25 %	17 %	20 %	16 %	17 %			]
Average # of workstations	19 691	1 520	2 070	2 070	1 520			- <b>-</b>
* sum of percentages is not 100% since it is an average of the cate	gory (more precise share: s	see column chart below)						

#### Type of

2 UniMed = medical

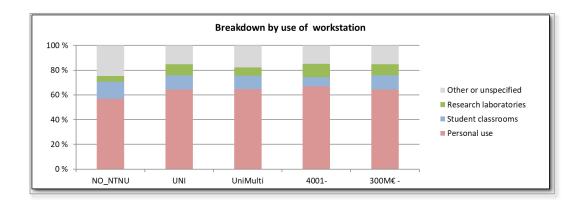
1 Business = business schools

22 UniMulti = multidisciplinary university

4 UniTech = technical university

14 UAS = univeristy of applied sciences

2 UniGroup = univeristy&UAS concern

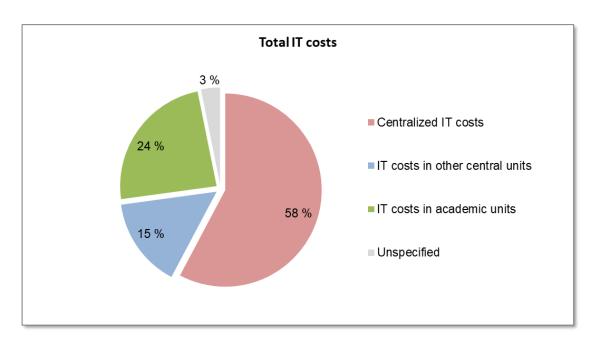






#### **BM2020 Analysis – Sheet: SurveyStatistics**

# All data added together



IT costs	1000 EURO	% <b>*</b>
Centralized IT costs	611 689 k	57,8 %
IT costs in other central units	159 661 k	15,1 %
IT costs in academic units	253 983 k	24,0 %
Unspecified	33 595 k	3,2 %
Total IT costs	1 058 928 k	100,0 %
IT share of institution budget	6,1 %	*
Income from IT services	20 590 k	

13

Calculation method is SurveyStatistics differs from other tables, as this sums all data up (Choose5 and ClOsummary use average of averages in group indicators)

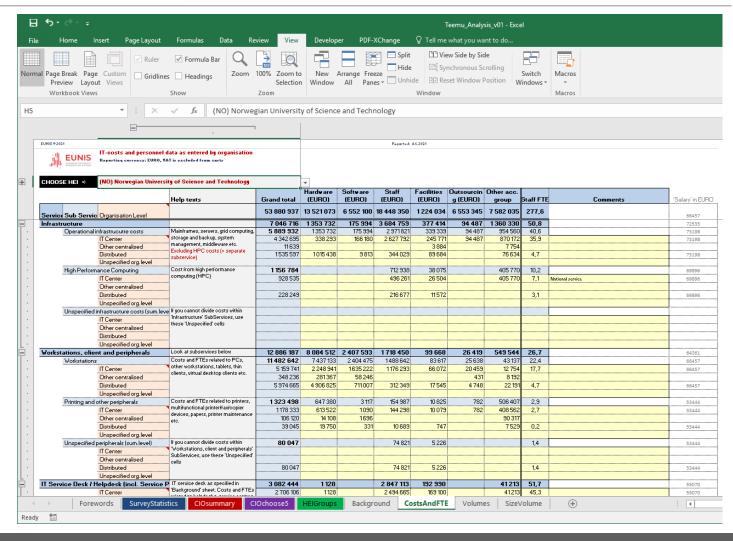




#### BM2020 Analysis – Sheets: Background, CostAndFTE, Volumes

The actual data as given by HEI. Same format as in survey.

- It may help you to understand WHY there is some differences between you and your peer.
- There may be HEI's comments on individual data set



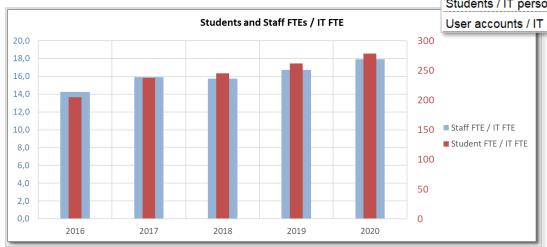


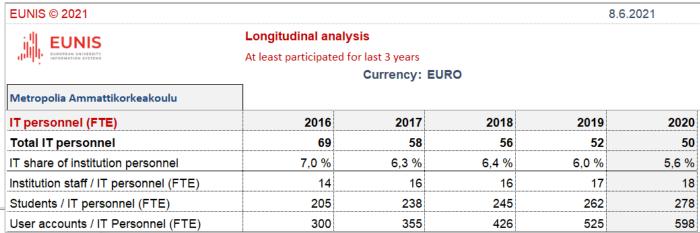


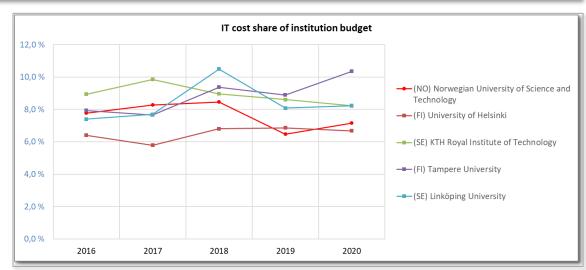
#### **BM2020** Longitudinal analysis – Last 5 years

My development over the years, also with peers.

Currency choice VAT choice







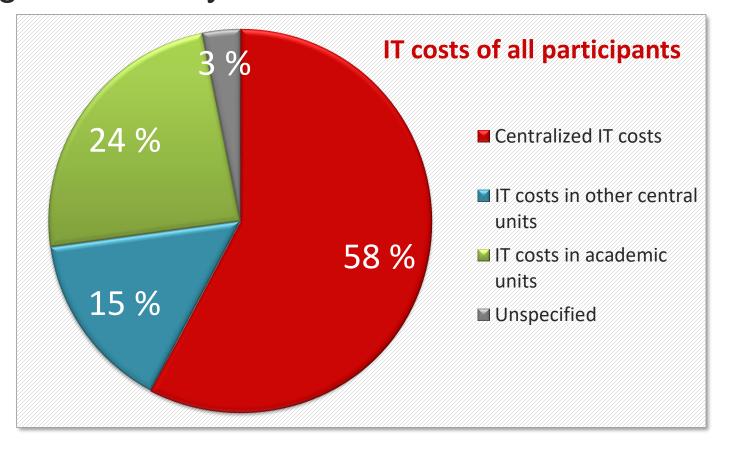




#### BM2020 – Findings

# Next few slides with aggregated data by ...

- Year
- Country
- University size
- etc....

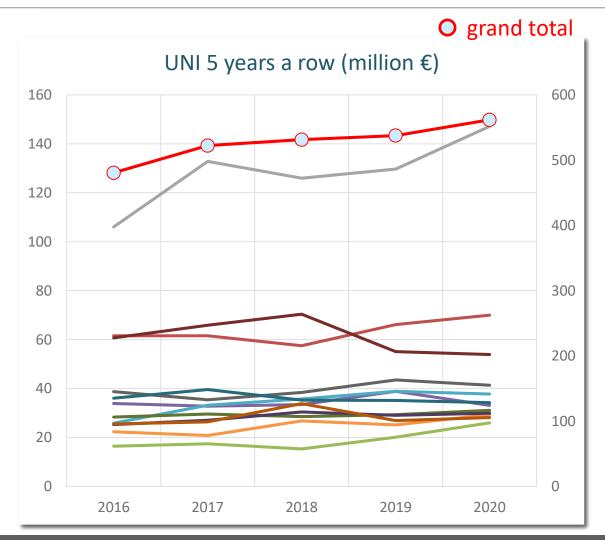


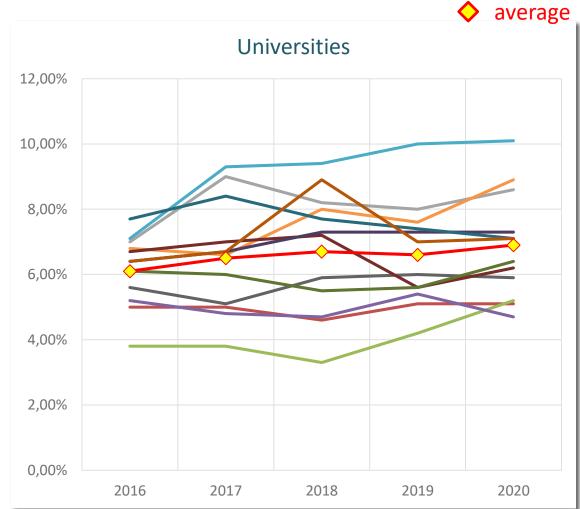




#### **BM2020 – Covid and costs**

#### 5 years a row





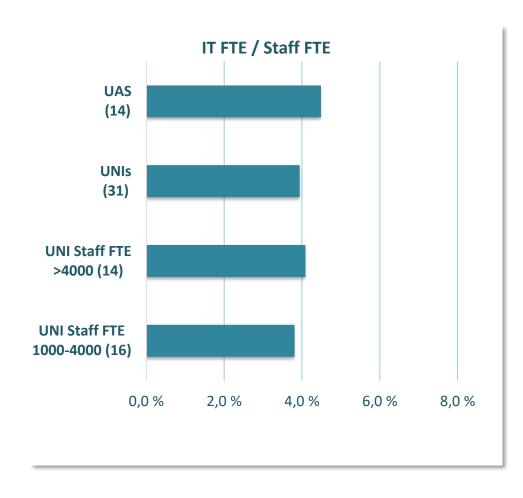


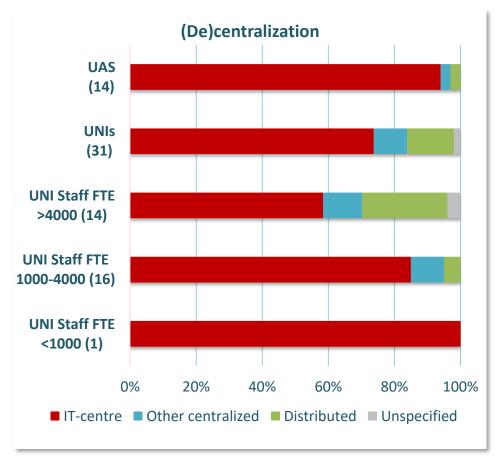
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17



## BM2020 - IT personnel









#### BM2020 – IT costs / Total HEI budget



Belgium (2) Denmark (3) Finland (6) Germany (2) Norway (6) Sweden (3) Switzerland (5) 8,0 % 10,0 % 0,0 % 2,0 % 4,0 % 6,0 % ■ VAT Incl. ■ VAT0%

19

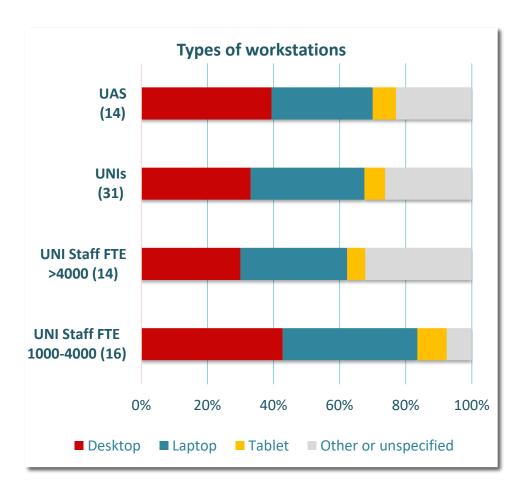
Net = Total cost – Income from IT services to other organizations

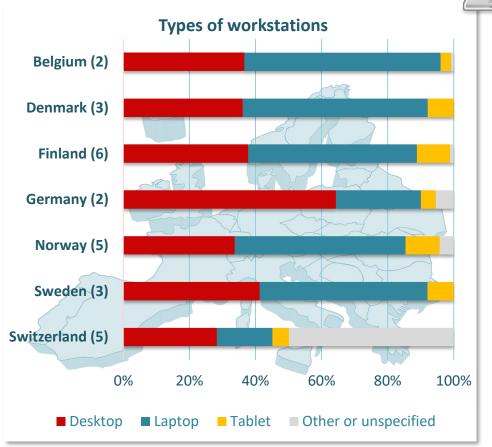
Universities only





#### **BM2020 – Workstations by type**



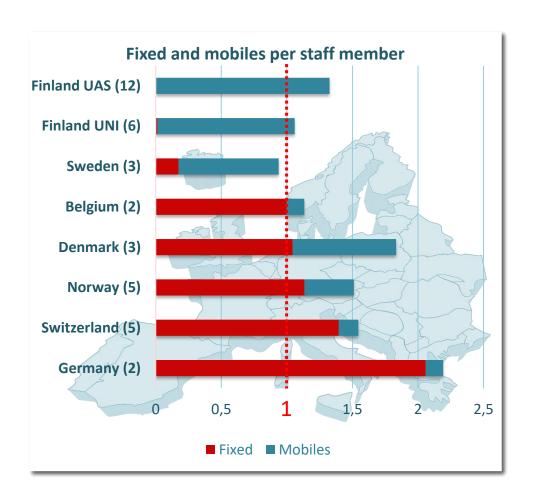


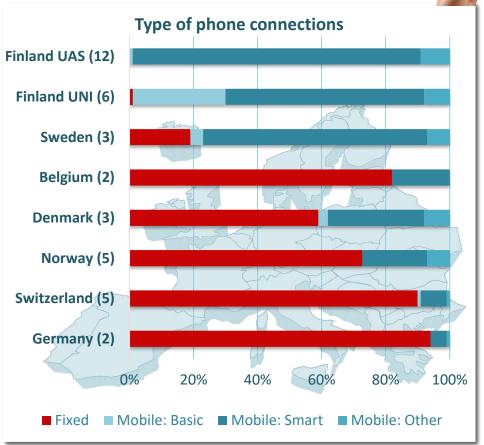
Universities only





#### BM2020 – Staff FTE vs. Voice services and connections









#### Universities: 2016-2020 – IT costs / Total operational costs

#### Universities

Denmark: DTU

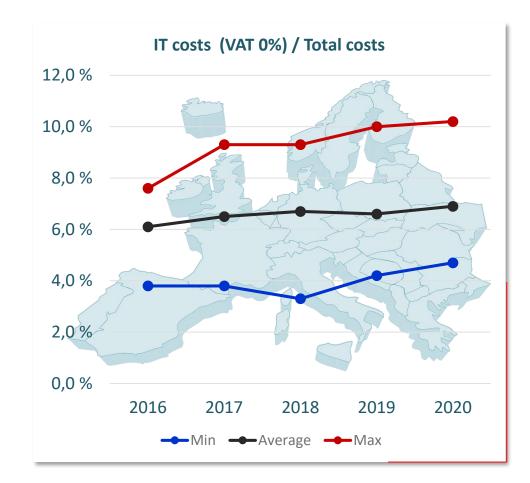
Finland: Aalto, TaU, UH

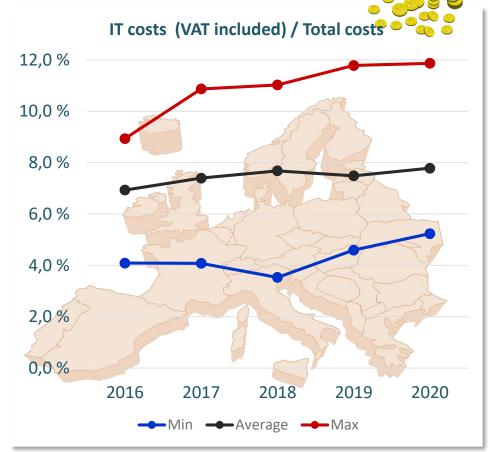
Germany: WWU

Norway: NTNU, UiB, UiT

Sweden: KTH, LiU

Switzerland: ETH, UZH









# **BencHEIT Survey** → **Know your numbers!**

23.11.2021 BencHEIT Workshop in (date subject to change)

Contact:

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https://www.eunis.org/task-forces/benchmarking/







#### **BM2020 - Participants**

Austria Medical University of Innsbruck Finland Turku University of Applied Sciences

Vienna University of Economics and Business Austria Finland University of Helsinki

Vaasa University of Applied Sciences Belgium **Ghent University** Finland

Åbo Akademi University Belgium Vrije Universiteit Brussel Finland Denmark Aarhus University Denmark University of Bayreuth Germany

Denmark Technical University of Denmark University of Münster Germany

University college Lillebælt Aristotle University of Thessaloniki Denmark Greece Denmark University of Copenhagen Norwegian University of Life Sciences Norway

Finland Aalto-university Norway Norwegian University of Science and Technology

Finland Haaga-Helia University of Applied Sciences Norway Oslo Metropolitan University

Finland **Humak University of Applied Sciences** Norway UiT The Arctic University of Norway

Finland Häme University of Applied Sciences Norway University of Bergen

Finland Jyväskylä University of Applied Sciences Spain Universitat Oberta de Catalunva

**Finland** Kajaani University of Applied Sciences Sweden Karolinska Institutet Finland Karelia University of Applied Sciences Sweden Linköping University

**Finland** Lapland University Consortium Royal Institute of Technology Sweden

**Finland** ETH Zurich

Laurea University of Applied Sciences Switzerland

Tampere University of Applied Sciences

Finland **LUT** universities Switzerland University of Bern Switzerland **Finland** Metropolia University of Applied Sciences University of Geneva **Finland** Savonia University of Applied Sciences University of Lausanne Switzerland Switzerland

**Finland** South-Eastern Finland University of Applied Sciences University of Zürich

Finland **Tampere University** United Kingdom **Nottingham Trent University** 

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Finland