



CHALLENGES OF THE TRANSITION TO THE ON-LINE EDUCATIONAL PROCESS DURING THE PANDEMIC

14th INTERNATIONAL SCIENTIFIC CONFERENCE **WOODEMA**

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AGENDA

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RESEARCH METHODOLOGY

STUDY RESULTS

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SUMMARY





INTRODUCTION

IMPACT OF THE PANDEMIC

Education has changed enormously during the Covid-19 virus pandemic beginning in March 2020.

From 16th of March 2020, all educational institutions were closed and all "unnecessary" services in the country were suspended.

In reorganizing their educational process, educational institutions had to consider a range of policies and recommendations from the government and the epidemiological profession.





INTRODUCTION

LAST YEAR & THIS YEAR



During the first wave of the pandemic, when the new situation was resolved in an ad hoc manner, improvisation was a normal response, while after this period a more organized response was expected.

With appropriate information and communication technologies (ICT), many theoretical subjects could be adapted to enable distance learning, using online learning environments or tools.



RESEARCH METHODOLOGY

SURVEY AMONG STUDENTS

A survey was conducted among students in Department of Wood Science and Technology at Biotechnical faculty.

The purpose of the survey was to gain insight into students' opinion regarding the online study in response to the pandemic Covid-19 situation.

The survey was conducted twice:

- 3rd of July 2020
- 16th of April 2021



RESEARCH METHODOLOGY

TECHNOLOGICAL INFRASTRUCTURE ANALYSIS

We examined the number and value of investments in various computer equipment.

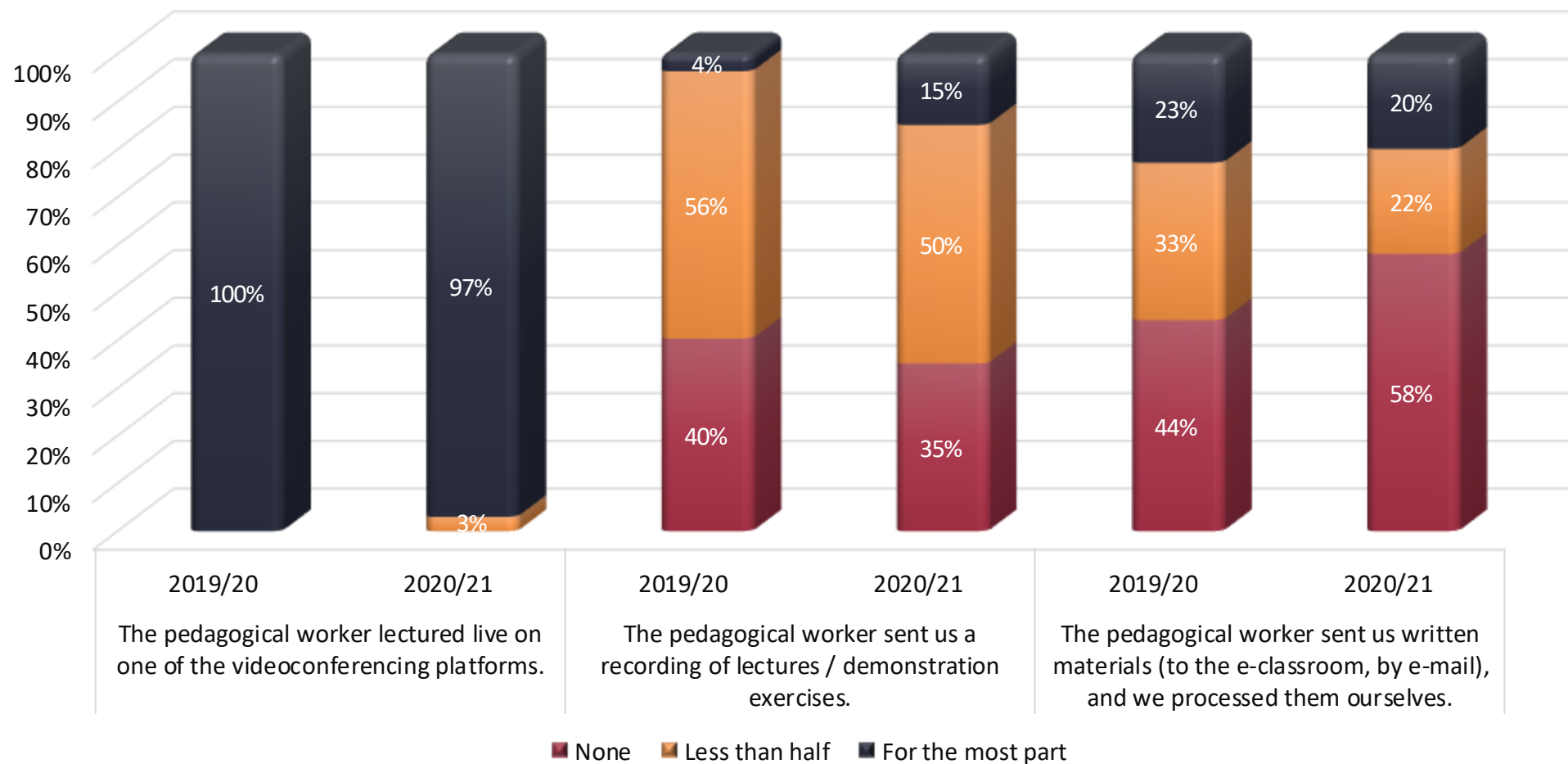
We also analysed support provided to the pedagogical staff.

Beside that we also did log-in analysis of the e-classroom Moodle.



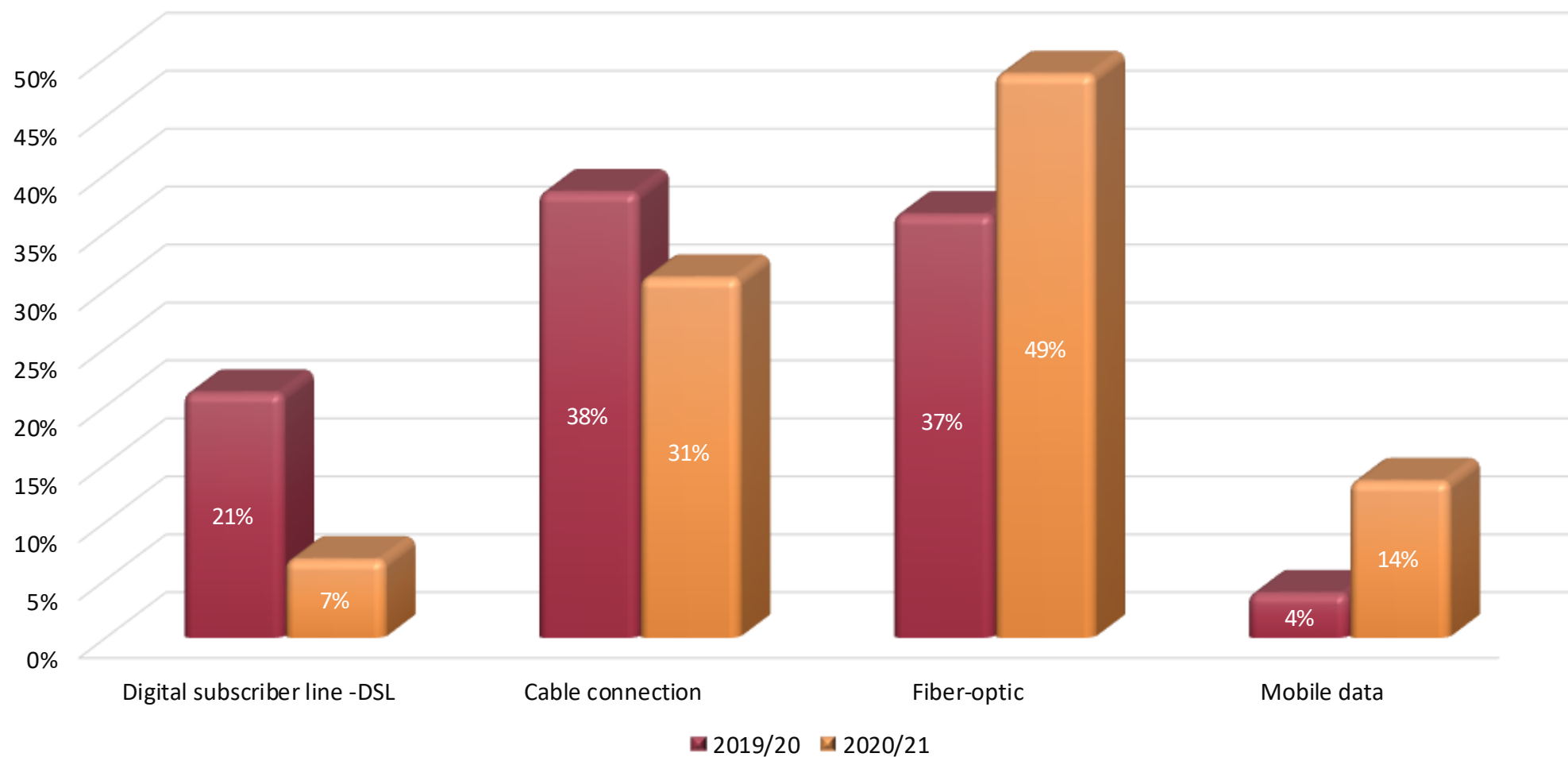


REMOTE OBJECT EXECUTION METHOD





INTERNET CONNECTION MODE



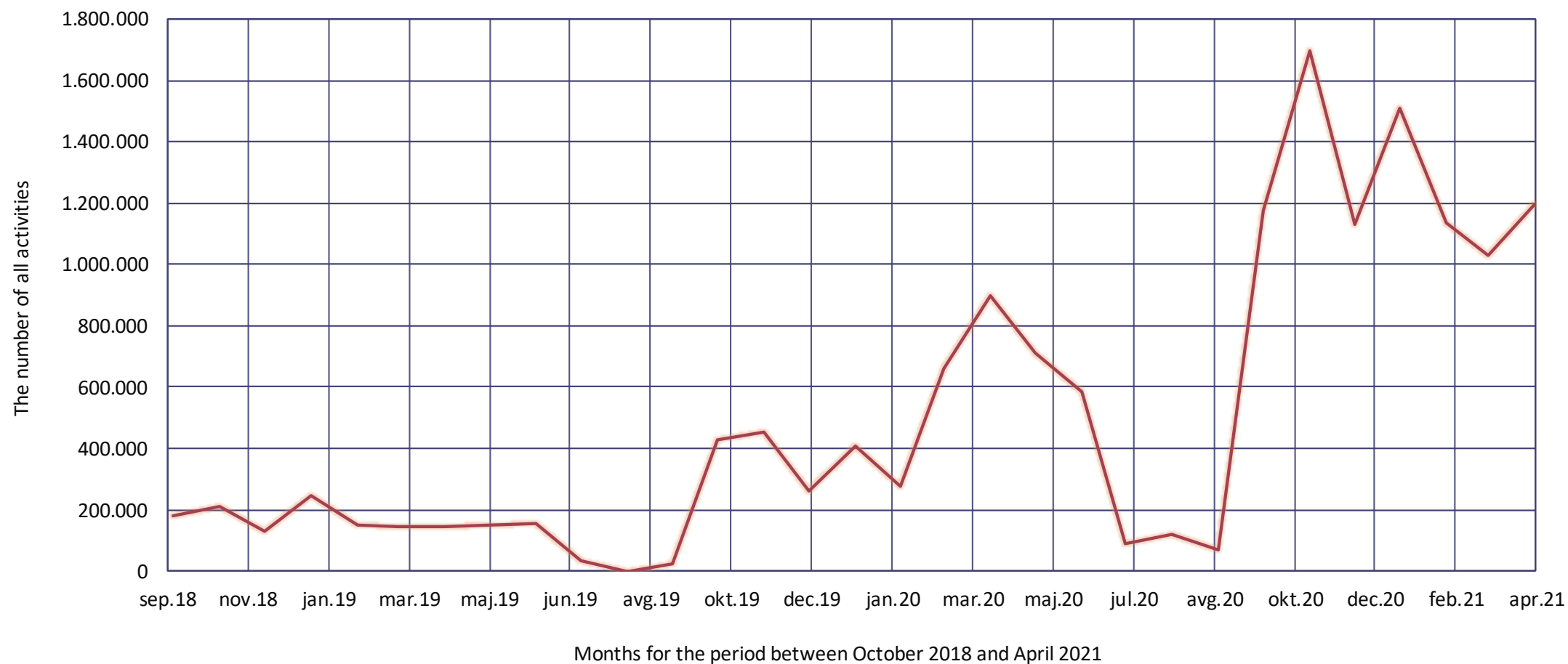


INVESTMENT IN INFORMATION TECHNOLOGY

	QUANTITY	PURPOSE AND LOCATION	INVESTMENT VALUE
Cameras and multimedia equipment in classrooms	7	In every classroom	15.000 €
More advanced multimedia equipment for meeting rooms	2	In two meeting rooms	8.000 €
Portable multimedia equipment for laboratories	5	In all laboratories	3.500 €
Laptops and multimedia equipment	25	For individuals	30.000 €
Online platform licenses (and e-classroom integration)	30		800 €
			57.300 €

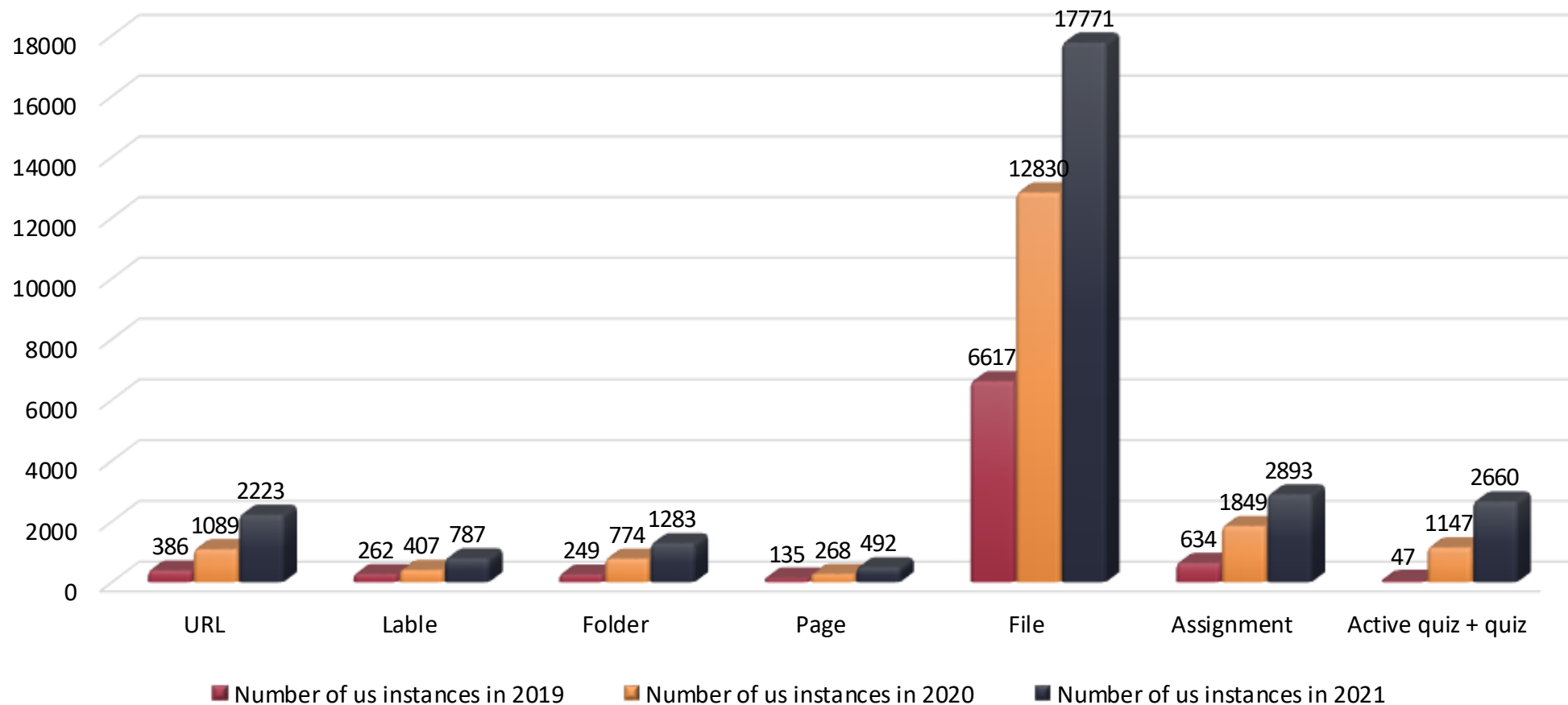


NUMBER OF ACTIVITIES IN THE E-CLASSROOM





USE OF DIFFERENT MODULES IN THE E-CLASSROOM





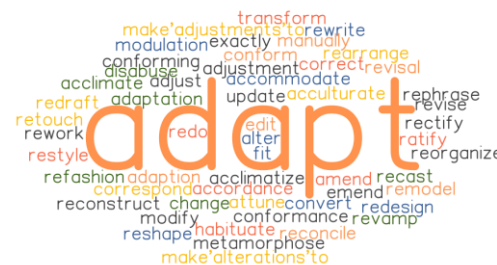
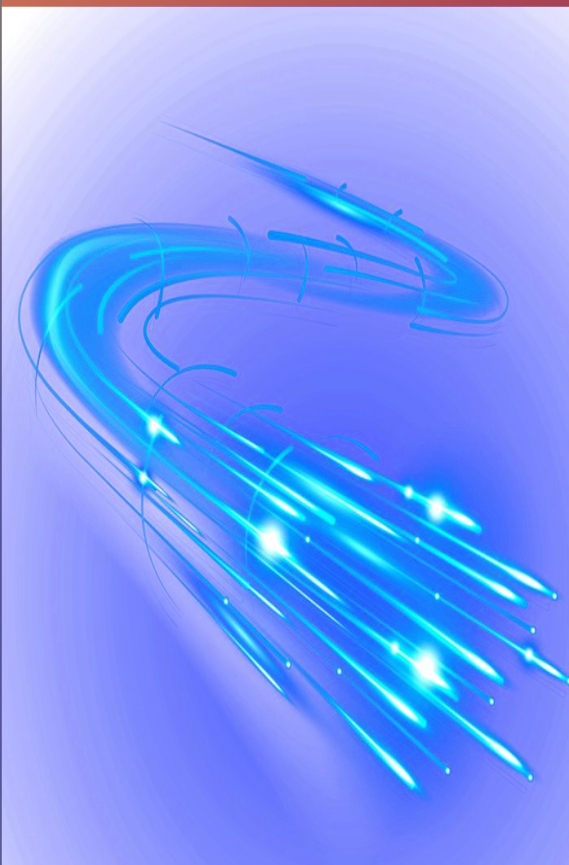
CONCLUSIONS

I

II

III

IV



HELPDESK



WHAT'S NEXT

LOOKING AHEAD

In fact, the pandemic is not over yet.

Therefore, it is necessary to find out what was done well and make further improvements to the parts that were not arranged properly.

Based on the research, we can conclude that last year's plans reached the goal, as long-term investments were made in hardware and software for remote work. We can now say that Department of Wood Science is technological well prepared for online lectures.

So far, we are all sure that even after the pandemic is over, the implementation of the pedagogical process will never be quite the same as it was before.





SUMMARY

EDUCATION HAS CHANGED ENORMOUSLY

As all educational institutions were closed from 16th of March 2020.

IMPROVISATION & ORGANIZATION

At beginning improvisation was a normal response, while after a year more organized response was expected.

SMOOTHER TRANSITION

The transition was smoother this year as there were more equipment available, and the digital literacy of the educational staff was increased.

NOT OVER YET

Good things will remain and complement the traditional implementation of the pedagogical process to be adapted to the demands of the digital age.



THANK YOU



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