



tnc23

DIGITAL **GENERATIONS**

TIRANA, ALBANIA | 5-9 JUNE 2023

GÉANT TF-EDU: edu services 2023 survey findings

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TF EDU surveys 2019-2023

Edu services

= services for
teaching and
learning

= services for
administration of
education
institutions

Digital Learning
Environments

Student
Management
Systems

Online, Blended
and
Remote Delivery
of Education

Providing e-
Content

Video
Conferencing for
Education

T&I for
Education

Open Badges,
Digital
Credentialing

NREN-built
Digital Learning
Tools

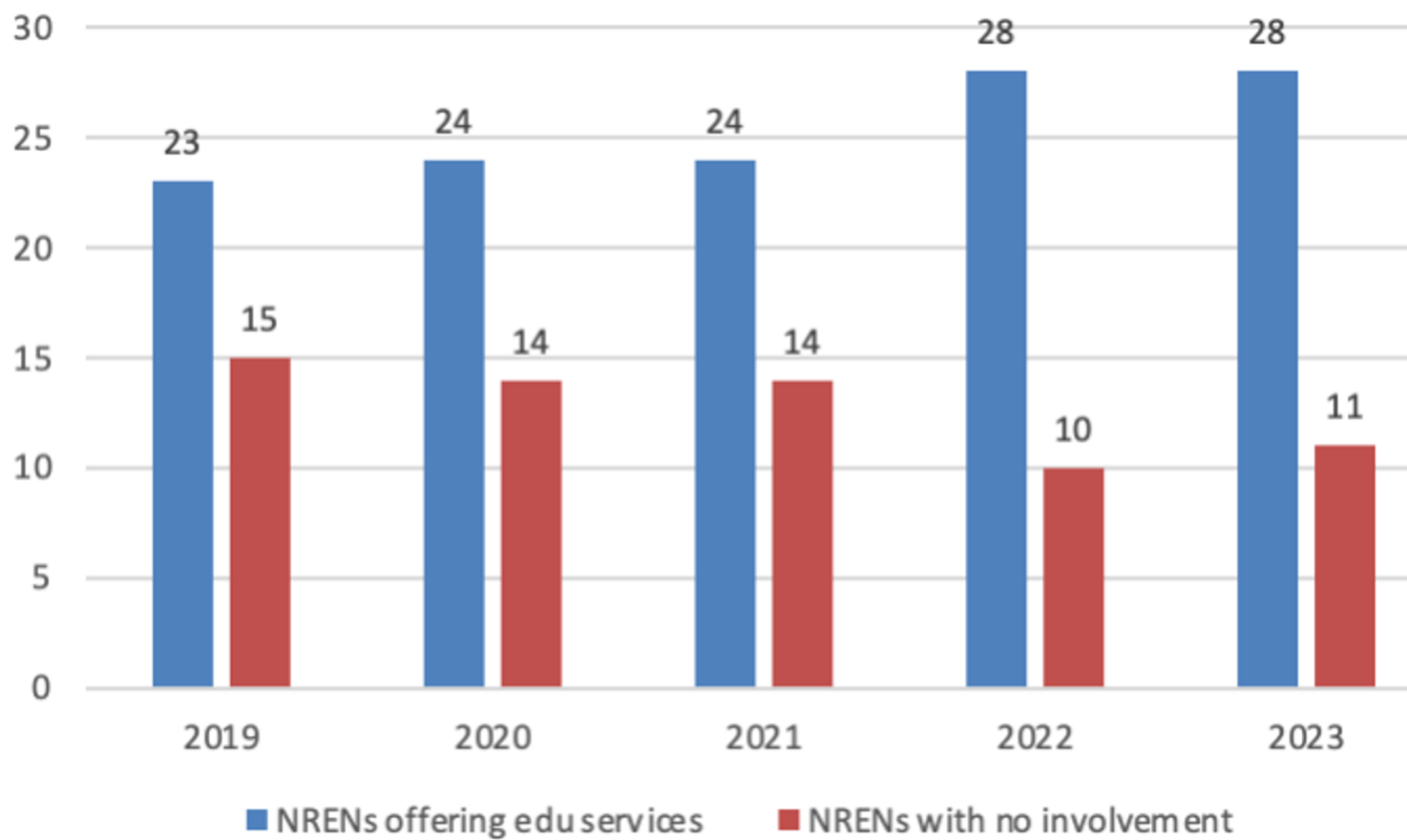
Educational Data
Mining and
Analytics

Learning
Analytics

Digital
Assessment and
Testing

Support for off-
shore students

NRENs offering edu services

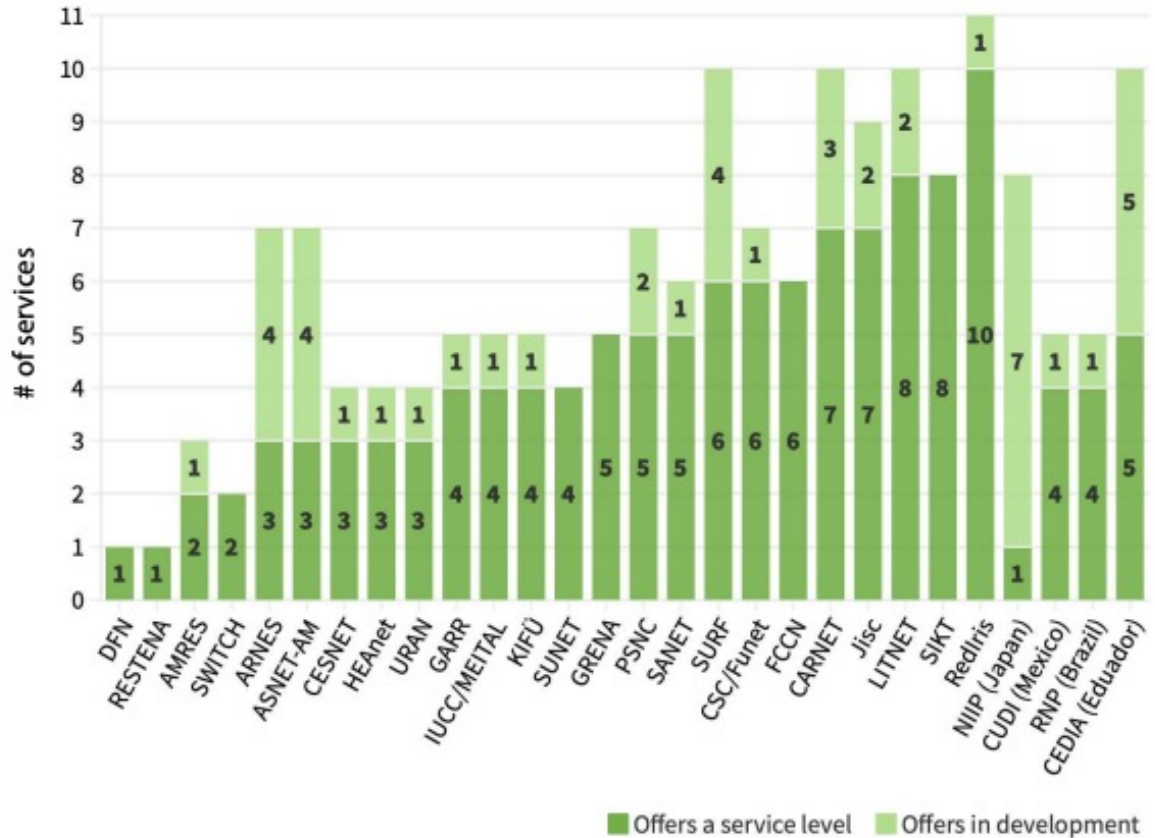


Data source: TF-EDU survey 2023.

Graph: Jasna Tingle

Number of edu services

provided and in development / by NREN



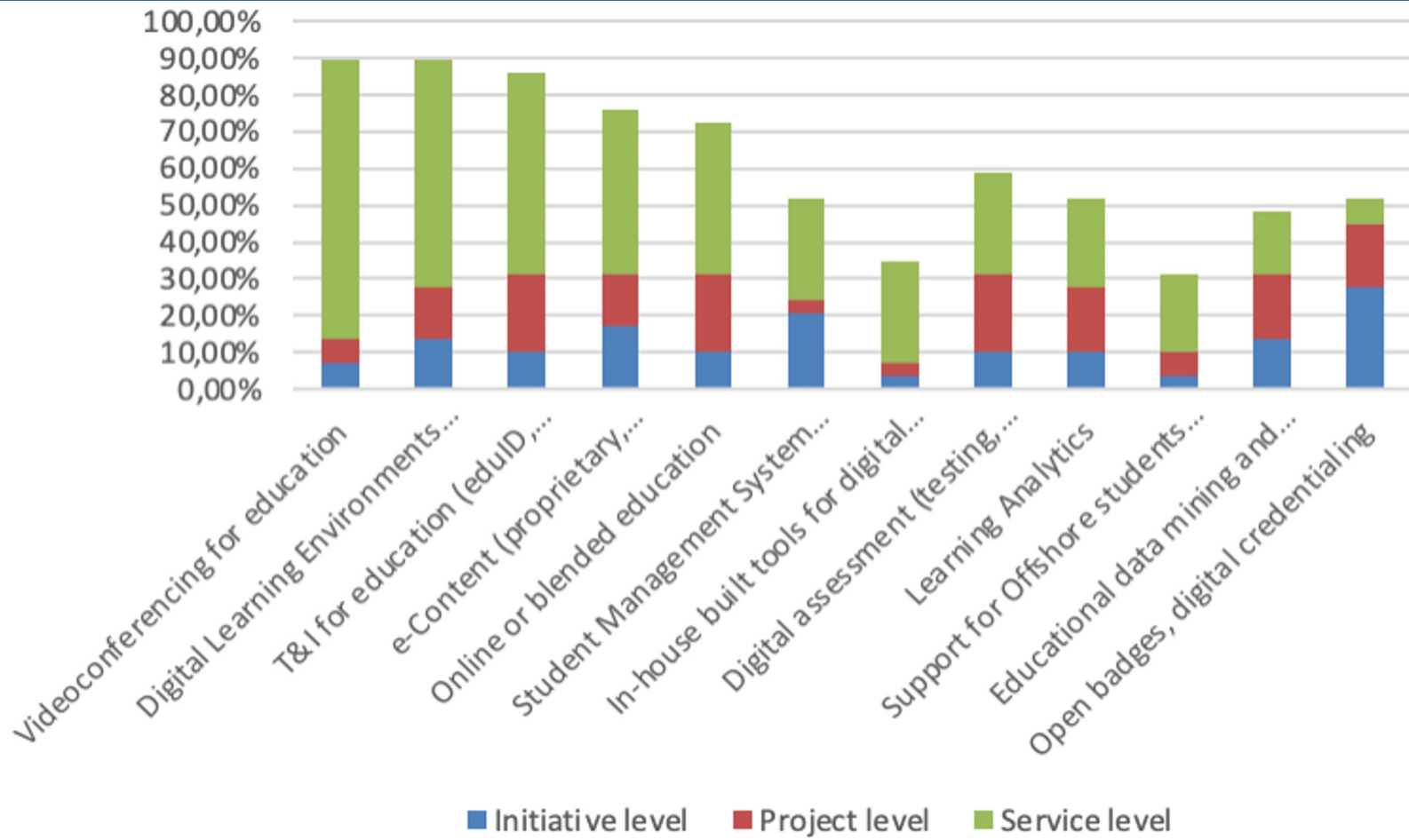
Data source: TF-EDU survey 2023. Graph: Daniel Wustenberg

NRENs portfolio of edu services

NREN	Digital Learning Environments	e-Content	Online or blended education	Digital assessment	Open badges, digital credentialing	Learning Analytics	Student Management System	T&I for education	Educational data mining and analytics	Videoconferencing for education	Support for Offshore students	In-house built tools for digital learning
European NRENs												
AMRES	X	X	X				X	X		X		
ARNES	X	X	X	X	X	X		X		X		
ASNET-AM	X	X	X	X	X	X	X	X	X	X	X	X
CARNET	X	X	X	X	X	X	X	X	X	X		X
CESNET	X	X						X		X		X
CSC/Funet	X	X		X	X		X	X	X	X		X
DFN	X							X		X		
FCCN	X	X	X	X	X	X		X	X	X		X
GARR	X	X	X					X		X		
GRENA	X		X	X						X		X
HEAnet	X						X	X		X	X	
Jisc	X	X	X	X	X	X	X	X	X	X	X	
KIFÜ	X	X	X		X	X		X		X		
LITNET	X	X	X	X	X	X	X	X	X	X	X	X
IJCC	X	X	X	X	X	X	X		X	X	X	X
PSNC	X	X	X	X	X	X	X	X		X		X
RedIRIS	X	X	X	X	X	X	X	X	X	X	X	X
RESTENA								X				
SANET	X	X	X	X				X		X		
SIKT	X	X	X	X	X	X	X	X	X	X	X	
SUNET	X			X				X		X		
SURF	X	X	X	X	X	X	X	X	X	X	X	X
SWITCH						X		X				
URAN	X	X		X					X	X		
International NRENs												
CUDI (Mexico)	X		X					X		X		X
CEDIA (Ecuador)	X	X	X	X	X	X	X	X	X	X		X
NIIP (Japan)	X	X	X		X	X			X	X	X	X
RNP (Brazil)	X	X	X	X	X	X	X	X	X	X	X	
TARENA (Tajikistan)		X	X				X	X		X		

Data source: TF-EDU survey 2023. Graph: Daniel Wustenberg

Edu services maturity level



Data source: TF-EDU survey 2023.

Graph: Jasna Tingle

NRENs reported 1/2

VC, video services and LMS

- ✓ most popular services
- ✓ demand dropped in 2022 compared to pandemic years,
- ✓ the use is still higher than in pre-pandemic years and is in focus in the coming years
- ✓ including necessary computing infrastructure

“improve the video infrastructure and processing capacity”

Significant trend moving from in-house solutions to considering more procurement options,

“continuing to expand the procurement portfolio” and “phasing out in house VC services”

Mixture of approaches

“combining in-house development and market procurement, with development in project partnerships”

NRENs reported 2/2

High demand for

- ✓ user training / skilling up digital competence in general
- ✓ supporting users in their efforts to modernize teaching and learning

“skilling up knowledge about creating and using digital content for LMS platforms more efficiently”

Digital assessment, learning analytics, microcredentials - on the wish list of a fair number of NRENs, with the use of AI in education occasionally being considered.

The need for different student management services on a constant rise, BUT some NRENs report difficulties in addressing those needs

“for our members there is a high priority need for a Student Management System (admissions, records, finances, certificates and similar). But because of lack of resources, we cannot make any significant step forward.”

Conclusions

Although user demand for educational services has lessened a bit after the pandemic, it is still considerably higher than compared to pre pandemic years.

The NRENs portfolio of educational services:

- ✓ in constant review AND
- ✓ most of the NRENs are now involved in offering services for teaching, learning and student administration to educational institutions, across most levels of education.

On the horizon:

- financial constraints and resource scarcity including skilled people and finances
- future decision making is mainly concerned with sustainability!

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Thank you

Any questions?

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