# NRENs Education Services and Activities

## Survey 2022

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# NRENs educational activities and services survey

## Objectives

- Create an overview of NRENs educational activities and services
- Identify common challenges and strategic goals to work together

## Education services

- Services for teaching and learning (D/VLE, LMS, VC, digital assessment and other services supporting teachers and students)
- Services for administration and organisation of education institutions (virtual campus, student management system, T&I, etc)

# Educational services

| | | | |
|---|---|---|---|
| Digital Learning Environment | Student Management Systems | Online, blended and remote delivery of education | Providing e-Content |
| Video Conferencing For education | T&I for education | Open badges, digital credentialling | Inhouse built tools by your NREN for digital learning |
| Educational Data mining and Analytics | Learning Analytics | Digital assessment and testing | Anti-plagiarism |

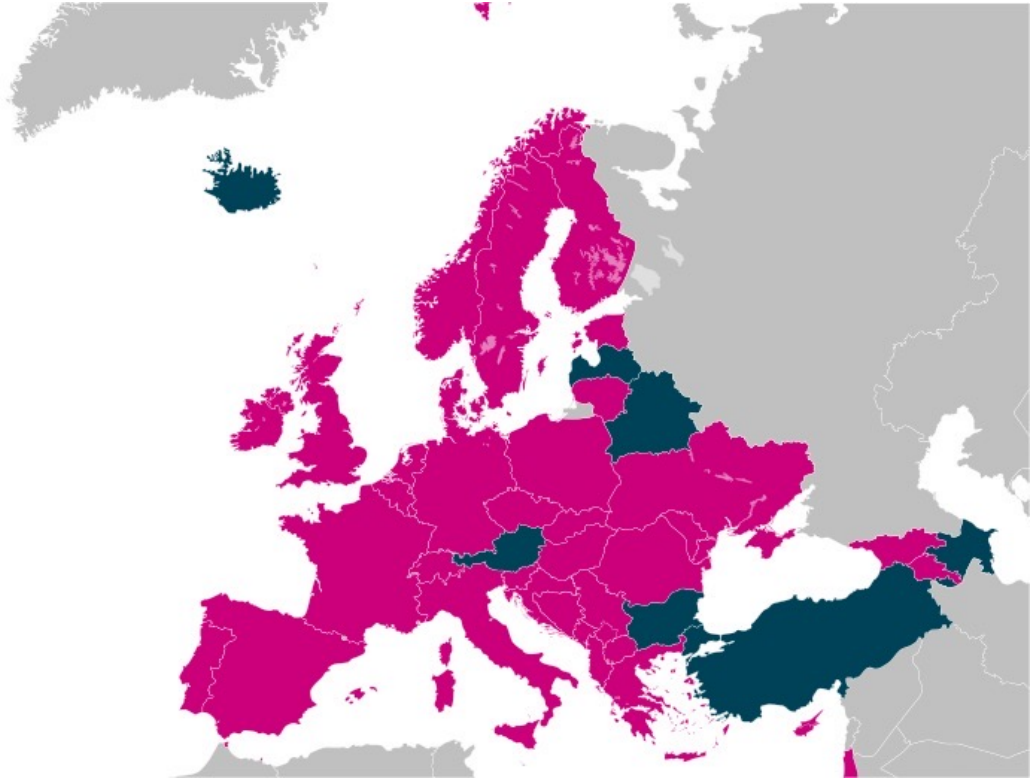
# NRENs educational activities and services survey

Methodology

- Survey of 22 questions (Surveymonkey)
- Authors: TF-EDU Steering Committee
- Sent to: GÉANT and global NRENs, RENs and community members
- Collection: March - April, 2022.
- 46 responses:
  - 38 GÉANT and EAP NRENs <- analysis
  - 7 global NRENs <- open ended questions analysis
  - 1 HE (excluded)

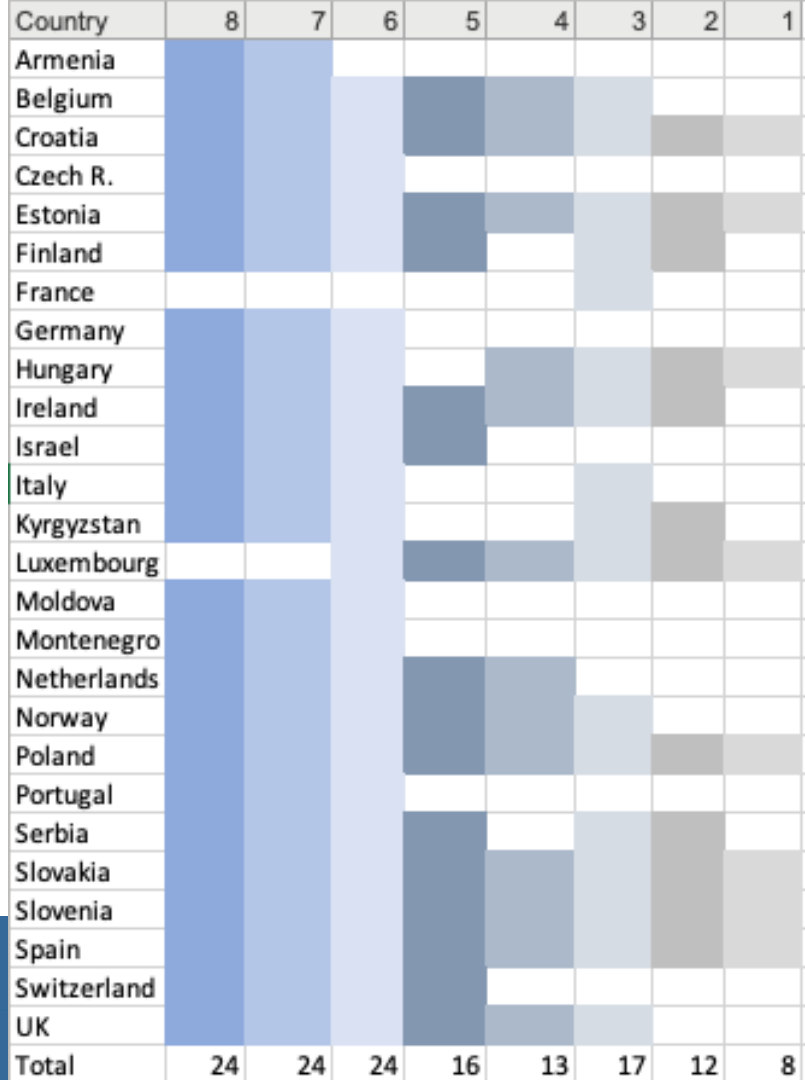
# NRENs provide educational services 2019-2020-2021-2022

# GÉANT NRENs educational services



# Level of education 2022

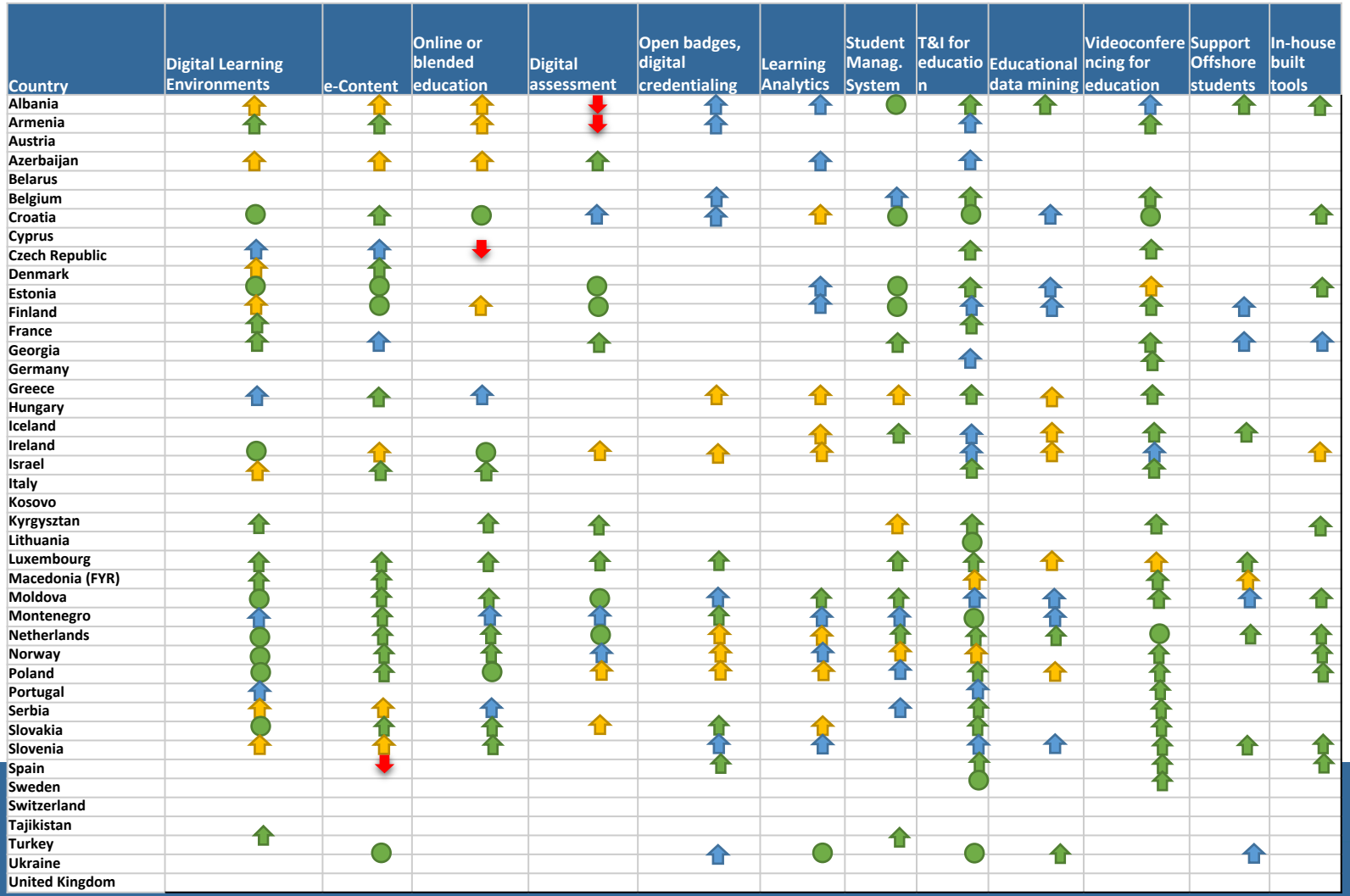
| | 2022 | 2021 | 2020 | 2019 |
|---|---|---|---|---|
| Level 8 - Doctorate or equivalent level | 24 | 22 | 23 | 20 |
| Level 7 - Masters or equivalent level | 24 | 23 | 24 | 20 |
| Level 6 - Bachelors or equivalent level | 24 | 23 | 23 | 20 |
| Level 5 - Short-cycle tertiary education | 16 | 13 | 15 | N/A |
| Level 4 - Post-secondary non-tertiary ed | 13 | 10 | 12 | N/A |
| Levels 2 and 3: Secondary education | 17 | 15 | 11 | 9 |
| Level 1: Primary or basic education | 12 | 9 | 7 | 7 |
| Level 0: Pre-primary education | 8 | 6 | 4 | 4 |



| Country | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|
| Armenia | | | | | | | | |
| Belgium | | | | | | | | |
| Croatia | | | | | | | | |
| Czech R. | | | | | | | | |
| Estonia | | | | | | | | |
| Finland | | | | | | | | |
| France | | | | | | | | |
| Germany | | | | | | | | |
| Hungary | | | | | | | | |
| Ireland | | | | | | | | |
| Israel | | | | | | | | |
| Italy | | | | | | | | |
| Kyrgyzstan | | | | | | | | |
| Luxembourg | | | | | | | | |
| Moldova | | | | | | | | |
| Montenegro | | | | | | | | |
| Netherlands | | | | | | | | |
| Norway | | | | | | | | |
| Poland | | | | | | | | |
| Portugal | | | | | | | | |
| Serbia | | | | | | | | |
| Slovakia | | | | | | | | |
| Slovenia | | | | | | | | |
| Spain | | | | | | | | |
| Switzerland | | | | | | | | |
| UK | | | | | | | | |
| Total | 24 | 24 | 24 | 16 | 13 | 17 | 12 | 8 |

# Education service levels

| | |
|---|---|
| Initiative level | Informal joint exploration of an idea by an expert group. In most cases there is some investment to explore this initiative further, supporting the NREN's participation in this initiative. |
| Project level | Formal joint follow up of an initiative with a project owner and a budget. |
| Service level | An integrated service implemented by the NREN. |
| Phase out | The service is no longer required. |


Country
Digital Learning Environments
e-Content
Online or blended education
Digital assessment
Open badges, digital credentialing
Learning Analytics
Student Manag. System
T&I for educatio n
Educational data mining
Videoconfere ncing for education
Support Offshore students
In-house built tools
Albania
Armenia
Austria
Azerbaijan
Belarus
Belgium
Croatia
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Georgia
Germany
Greece
Hungary
Iceland
Ireland
Israel
Italy
Kosovo
Kyrgysztan
Lithuania
Luxembourg
Macedonia (FYR)
Moldova
Montenegro
Netherlands
Norway
Poland
Portugal
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Tajikistan
Turkey
Ukraine
United Kingdom
Service level growing
Project level growing
Inititative level growing
Service level stable
Phasing out

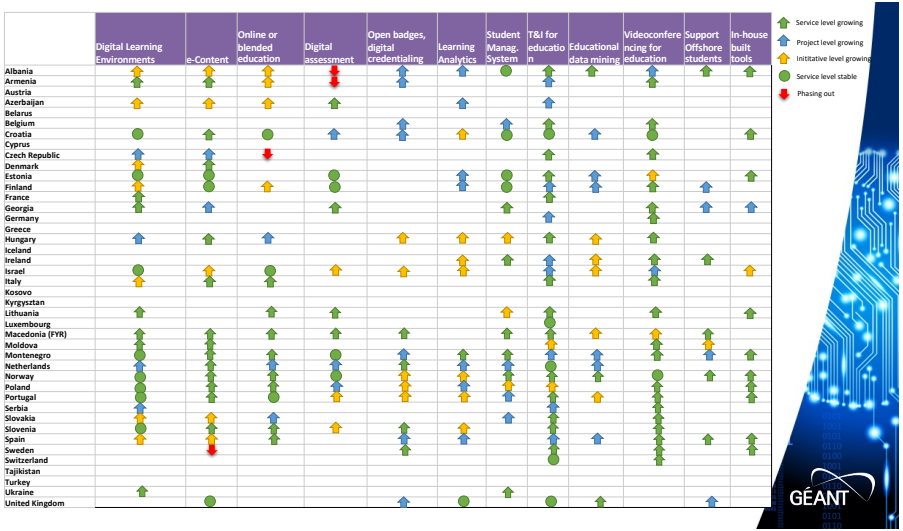
# Trends

**Significant increase in uptake:**

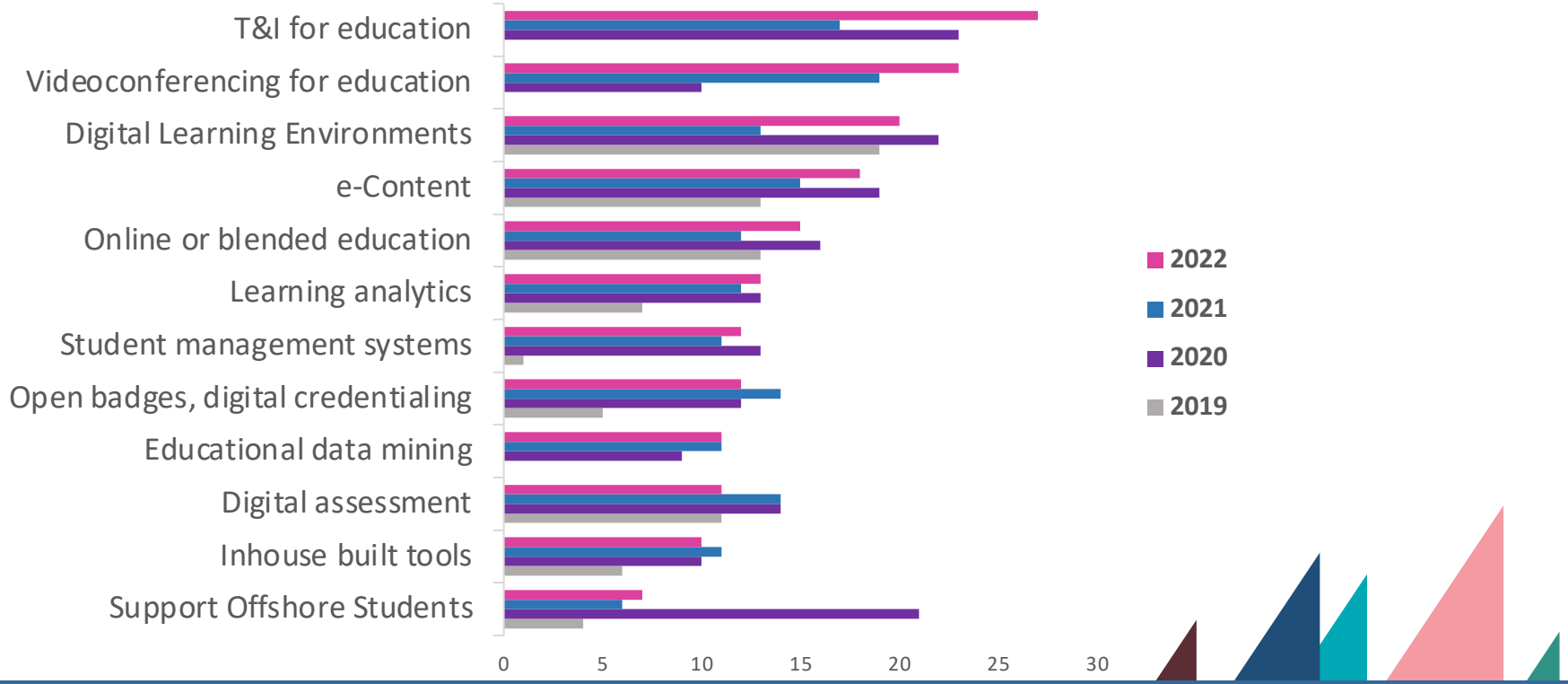
- T&I for education
- Videoconference for education
- Digital Learning environment
- E-Content

**Moderate increase in uptake:**

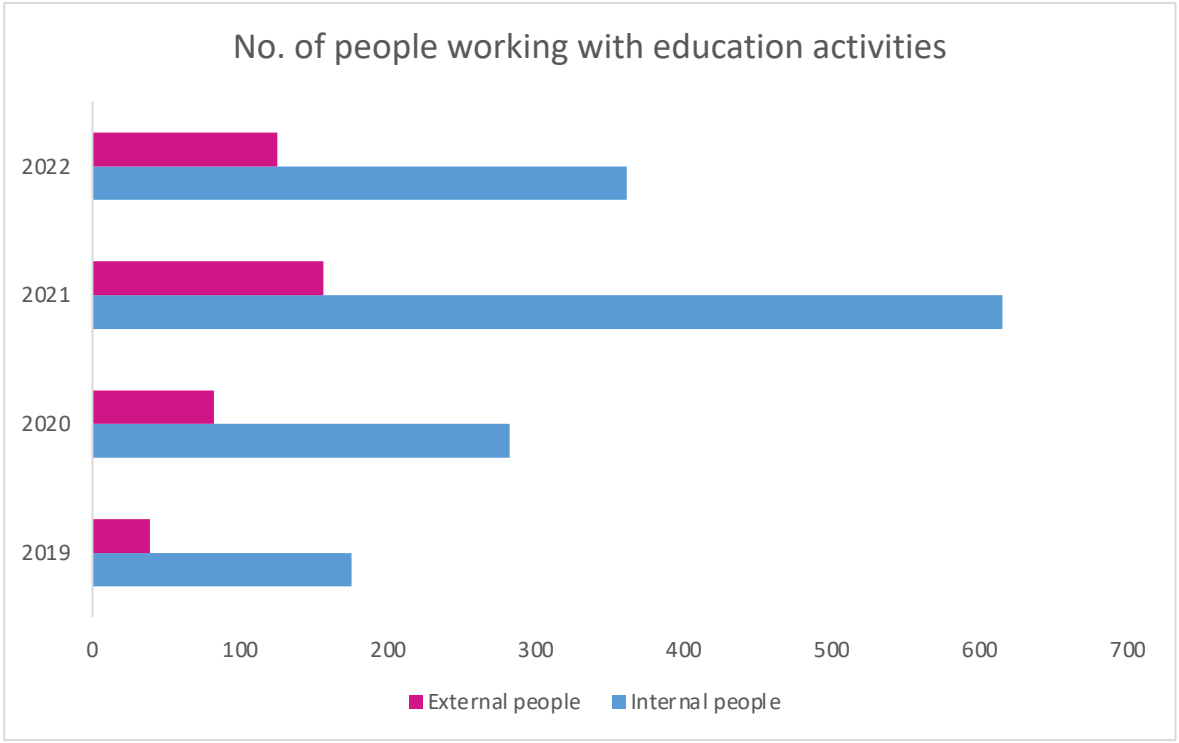
- Open badges, digital credentialing

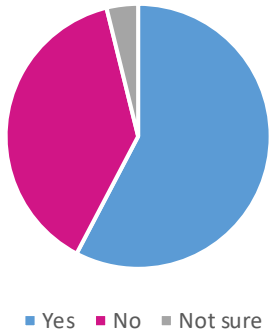


# NREN educational services 2019 - 2020 – 2021 - 2022

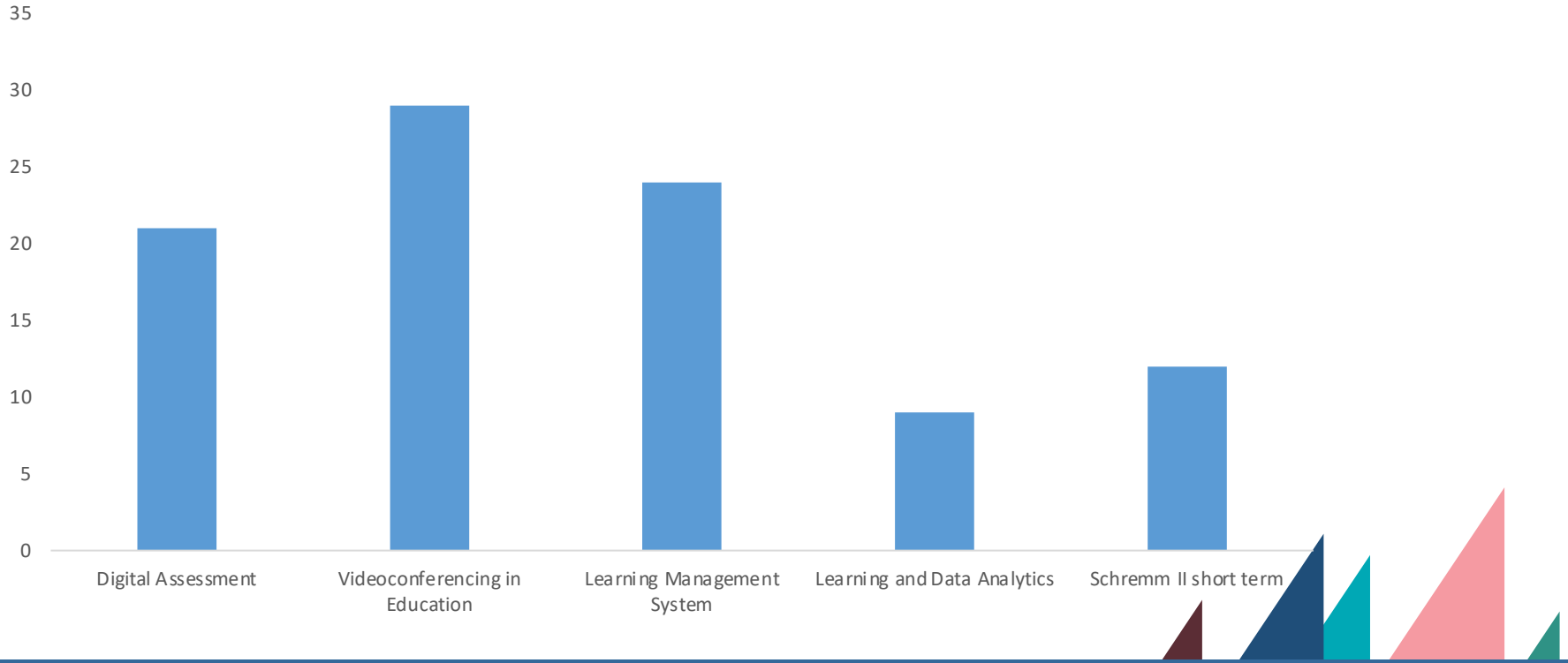


# Human resources in NRENs education activities



# Interest for collaboration areas



# Reflections

- Reflecting on 2021:
  - What happened to your organisation in 2021?
  - How did your organisation respond?

- Planning for 2022: What will you take forward into 2022?

- Horizon planning: What will you take forward longer term? What timescales/horizons are you working to (immediate, medium term or ten years)?

# Reflections

## 2020

**EXPONENTIAL GROWTH**

Huge increase in needs and interest in education services

**CAPACITIES & RESOURCES**

Overload

Lack of resources

**SCALING UP**

Videoconferencing

Moodle

*"Online education became more strategic"*

## 2021

**REALLOCATION OF RESOURCES**

**SUPPORT**

**NEW SERVICES AND PROJECTS**

**CHALLENGES**

Funding

People

Insecurities

## 2022

**DEVELOPING NEW STRATEGIES** for education

~~Long-term~~

Mid term

**UPGRADE/DEVELOP NEW SERVICES**

**FUNDING** dependent!

## SERVICES and RESOURCES

**SERVICES**

Video services - virtual and augmented reality, webRTC, interactive video, streaming platform

LA

Moodle aaS

Digital certificates, open badges

Data platform for T&L

Assessment for learning

Security for edu

**EXPANDING RESOURCES**

Service demand (exponential increase)

Increasing capacities

Additional resources and activities

Infrastructure upgrades

## SUPPORT ONLINE AND HYBRID LEARNING

Collecting requirements

Transition to hybrid learning

Regular online trainings

**CHALLENGES**

Funding

People

Insecurities

**TRANSFORMATION**

Maturing online and hybrid learning

“The pandemic has forever changed the education”

## ORGANISATIONAL STRATEGIES

**RESTRUCTURING**

Mergers

Downsizing

Continuing growth @slower pace

Funding, People

**STRATEGIC PLANNING**

Mid term

New strategies

New investments planning

todo

"Better use our international (NREN) community - we are facing common challenges time and again, but seem to keep inventing our own wheels"

# Discussion

Do you have similar experiences? Any different one?

Do you still see the increase in demand for education services? Has it stabilized?

How are your organisations responding to present demand?

# Thank you

## Any Questions?

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