



INTRODUCTION TO THE METHODOLOGY

LEADS Thematic webinars series

📅 November 13th, 2023

🕒 4:00pm – 5:00pm

Speakers:

- Christopher Karachristos – Maggioli



A BRIEF DESCRIPTION OF THE METHODOLOGY



Educational and training opportunities in
Advanced Digital Skills (ADS) in the EU



Methodological approach

OBJECTIVE AND OUTCOMES



Objective: Extensive review of existing educational and training programmes offered by universities, business schools, vocational institutions, etc. in key technological areas and sectors in the domain of ADS.

Expected **outcomes:**

- Development of a representative mapping of ADS opportunities across educational and training contexts.
- Definition of current immediate needs and upcoming supply gaps on a medium-term/5-year basis.



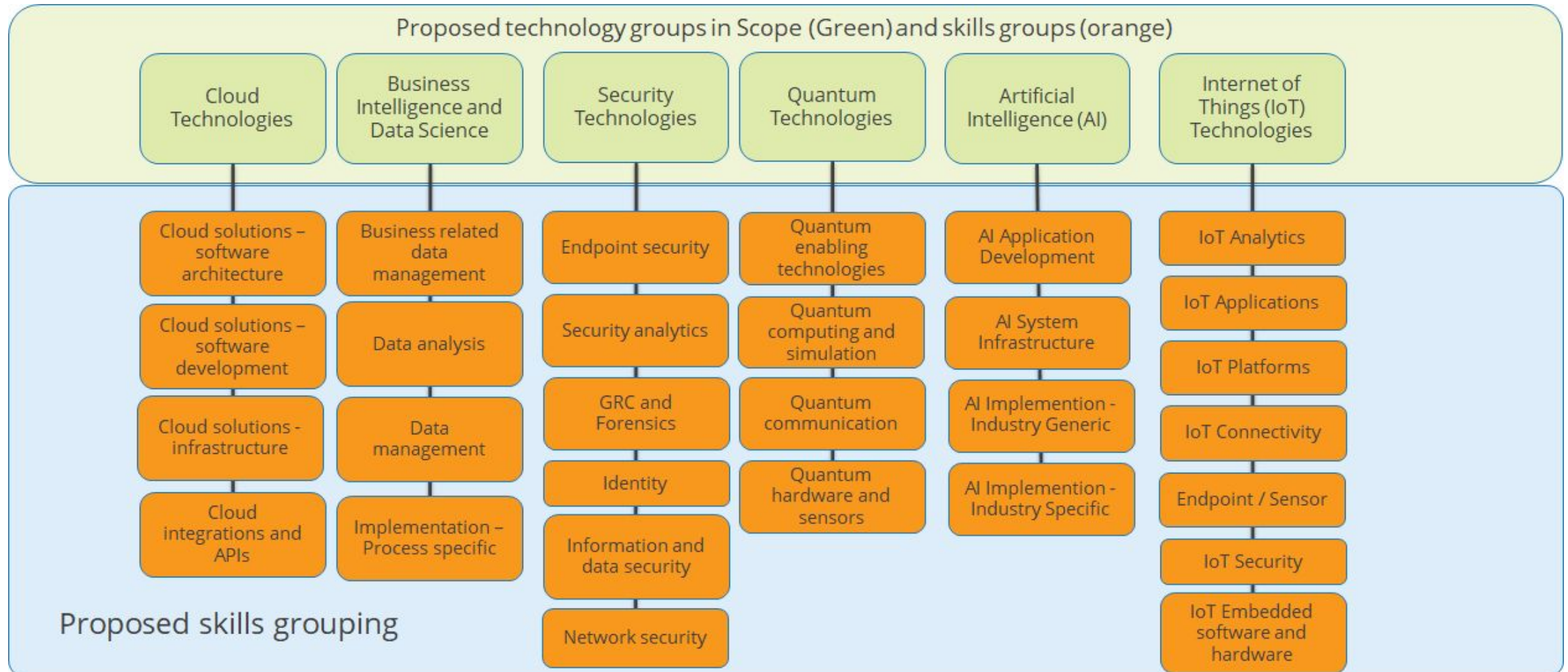
TARGET AUDIENCE



- **Policymakers** within the European Union,
- **Education leaders,**
- **Local governing bodies** with responsibilities in education and
- **Members of the technology industry community.**



TOOLS USED IN THE PROCESS



PERSPECTIVES OF EDUCATIONAL OFFERS



- **High Education Institutions (HEI)**: Officially recognized institution of higher education and research which awards academic degrees (undergraduate and postgraduate)
- **National Public Vet Providers (VET)**: Public and private vocational training providers at national level, as well as global VET providers well recognized by industry (e.g., CISCO).



SUPPLY MAPPING THROUGH DESK RESEARCH: KNOWLEDGE SOURCES



- European University Association (EUA),
- Ministries of education in each country,
- European Association of Distance Teaching Universities (EADTU),
- Leading institutional university networks for online, open and distance higher education.
- Offerings developed in the framework of DIGITAL-2021-SKILLS-01-SPECIALISED
- National bodies implementing NQFs.
- Alliances founded through the Erasmus+ initiative, and the European Forum of Technical and Vocational Education and Training.
- Certification bodies (e.g., iSQi Group, Certiport etc.).
- Eurostat, OECD.

STEPS OF THE METHODOLOGY

01

DEFINE SELECTION CRITERIA FOR EDUCATIONAL/TRAINING PROGRAMS ON VARIOUS LEVELS.

02

IDENTIFY PROGRAMS AND COURSE FOLLOWING THE CRITERIA DEFINED.

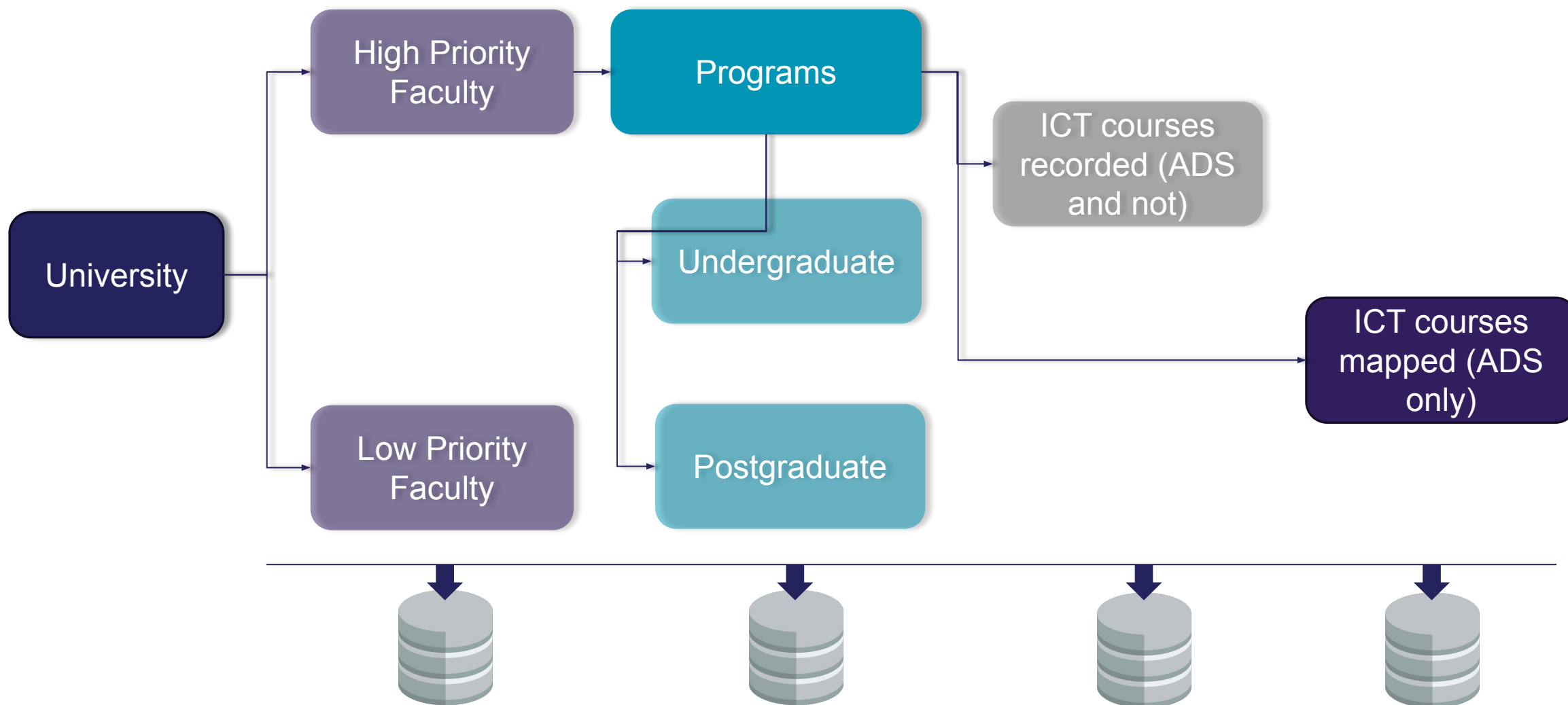
03

CATEGORIZE COURSES IDENTIFIED TO NON-ADS AND ADS.

04

ANALYSE ADS COURSES.

SEARCHING PROCESS FOR HEIs PER COUNTRY



MAPPING PROCESS FOR HEIs PER COUNTRY

Course	ICT technologies according to ADS Framework	Possible Options			
According to your review, to which of the following ICT Technologies this course relates to?		Not at all	Average	Fully	I don't know /answer
	Artificial Intelligence			x	
	Business Intelligence	x			
	Cloud Technologies	x			
	Security Technologies	x			
	Internet of Things (IoT)	x			

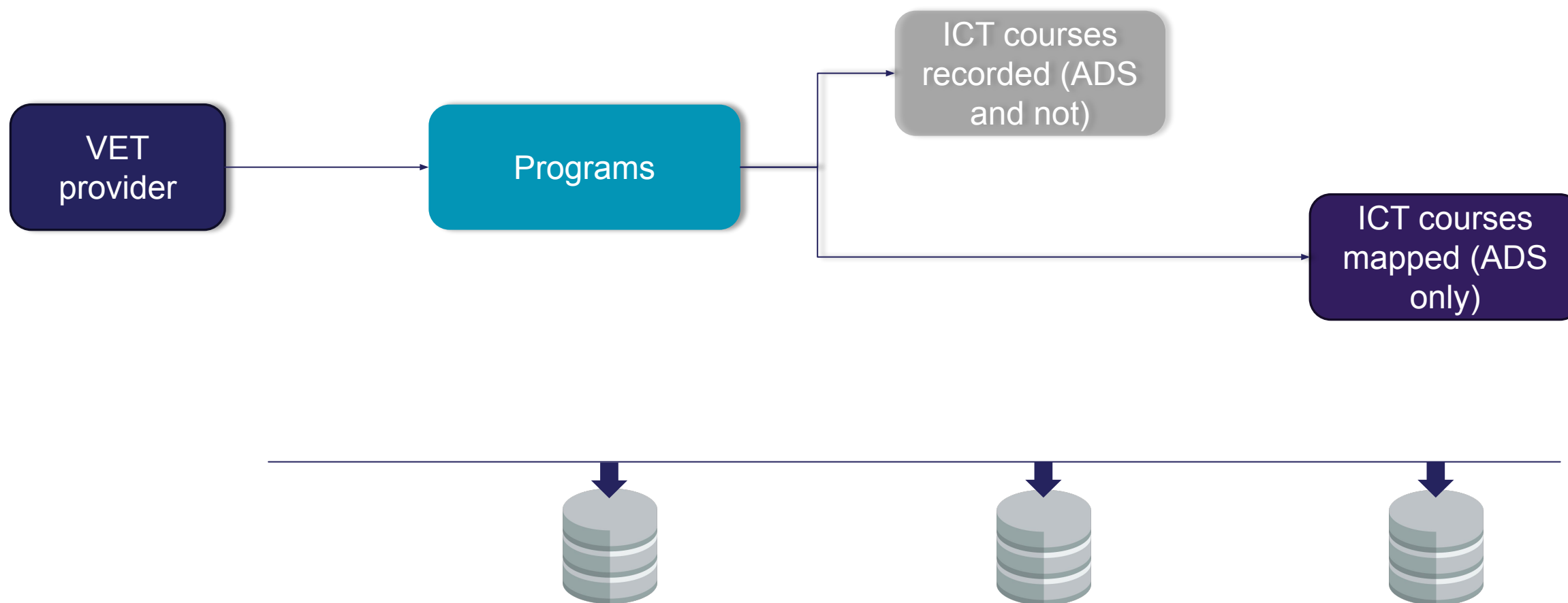
MAPPING PROCESS FOR HEIs PER COUNTRY

Course	Artificial Intelligence	Possible Options			
Please review the degree of support the course provides to the development of the following skill areas in the area of “ Artificial Intelligence ”.		Not at all	Average	Fully	I don't know /answer
	AI Application Development			x	
	AI System Infrastructure	x			
	AI Implementation – industry generic	x			
	AI Implementation – industry specific	x			

SEARCHING PROCESS FOR VET PER COUNTRY AND BEYOND



SEARCHING PROCESS FOR VET PROVIDERS



MEASURE OF SUCCESS



Basic information about the HEI datasets per country

No of Universities	No of programmes	No of courses recorded (ADS and not ADS)	No of courses mapped (ADS only)
44	125	3194	978

Basic information about the VET datasets per country and VET provider

No of VET providers	No of programmes	No of courses recorded (ADS and not ADS)	No of courses mapped (ADS only)
42	78	453	155

Basic information about the datasets for VET providers that offer trainings in Europe

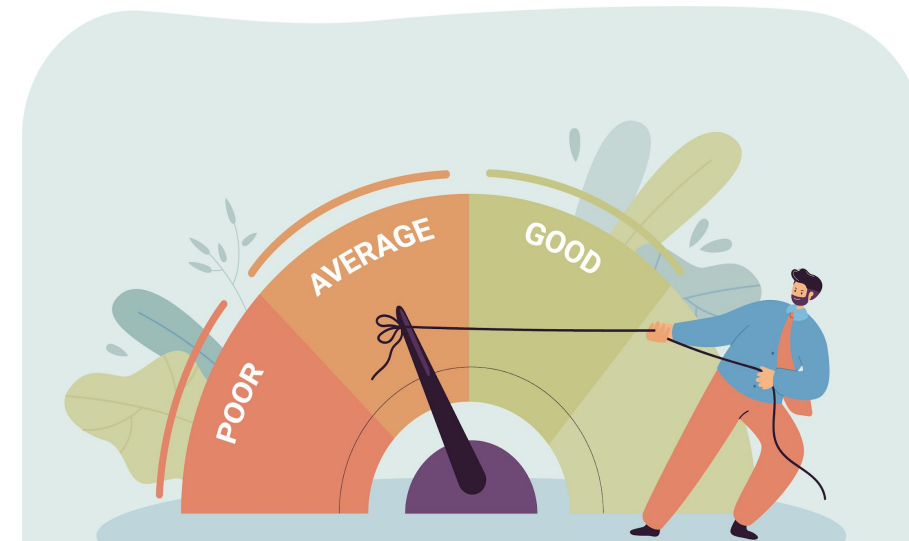
No of VET providers	No of programmes	No of courses recorded (ADS and not ADS)	No of courses mapped (ADS only)
29	49	360	113

MEASURE OF SUCCESS (INITIAL TARGET)



Basic information about the datasets for global distance learning VET providers

No of Universities	No of programmes	No of courses recorded (ADS and not ADS)	No of courses mapped (ADS only)
13	29	93	42



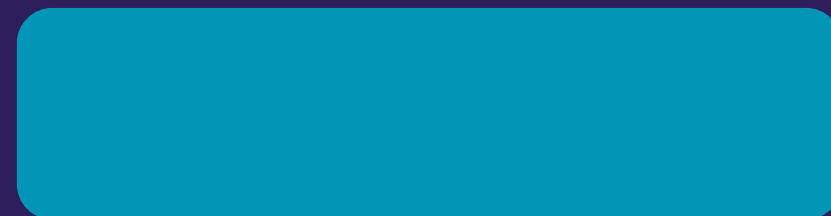
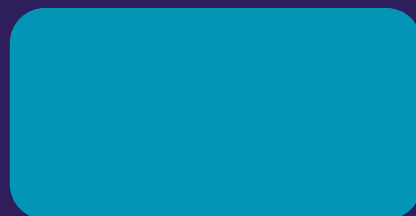


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THANK YOU!



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