

the European Union and the Republic of Türkiye

Concept of Micro-Credentials



Implementation of Turkish Qualifications System and Framework Operation



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Microcredentials

Why should we care?

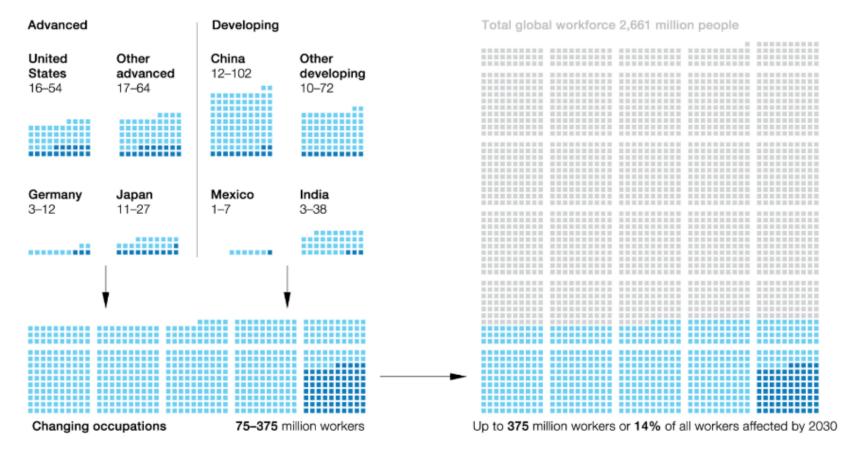




Globally, up to 375 million workers may need to switch occupational categories.

Number of workers needing to move out of current occupational category to go find work, 2016-30 (trendline scenario)1

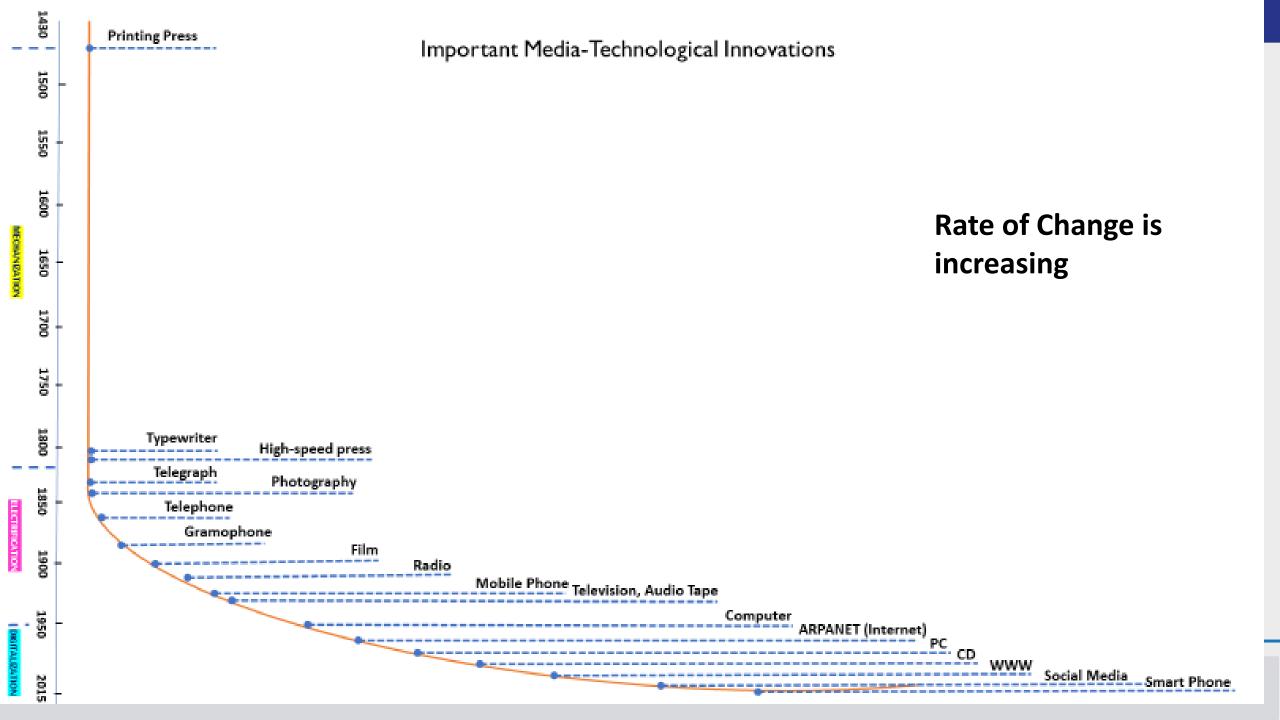
Midpoint automation
 Additional from rapid automation adoption (each block = 1 million workers)



¹ Some occupational data projected into 2016 baseline from latest available 2014 data.

McKinsey&Company | Source: US Bureau of Labor Statistics; McKinsey Global Institute analysis

Technology is driving Radical Change in Employment and Societies



Occupational Sectors increasingly focus on Skills rather than

Qualifications or Professions





Which factors are most important when hiring potential employees?



Degrees are losing value as currency for employment

Source: 2016-2017 Accenture, Grads of Life and HBS Project on Managing the Future of Work, Hiring and Talent Management Survey.



Megatrends

- Increasing cost of Higher Education
- No more jobs for life
- Employer demands for flexibility and reaction times
- Move to skills-base rather than qualification base
- Decreasing value of a degree





Summary?

 The value of degrees and qualifications is decreasing

The End of Traditional Education and Degrees



The European Standards and Guidelines for Quality Assurance call on Higher Education Institutions to



enable flexible learning pathways;

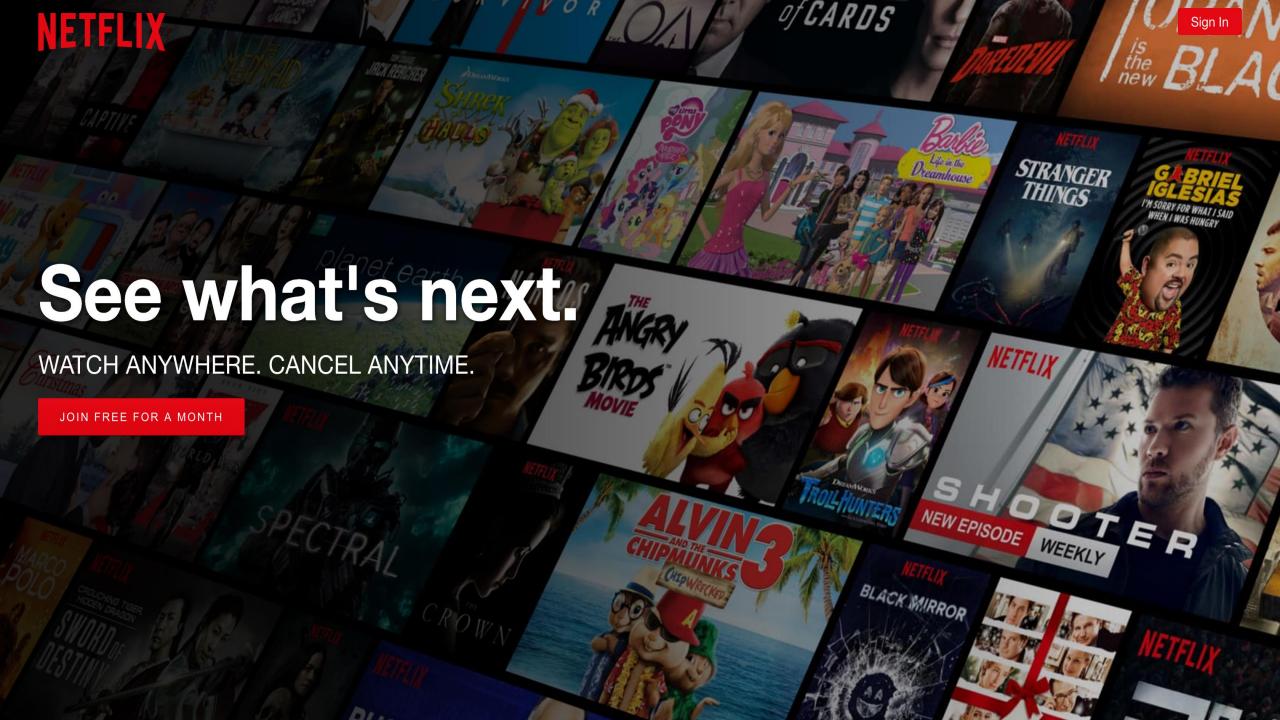


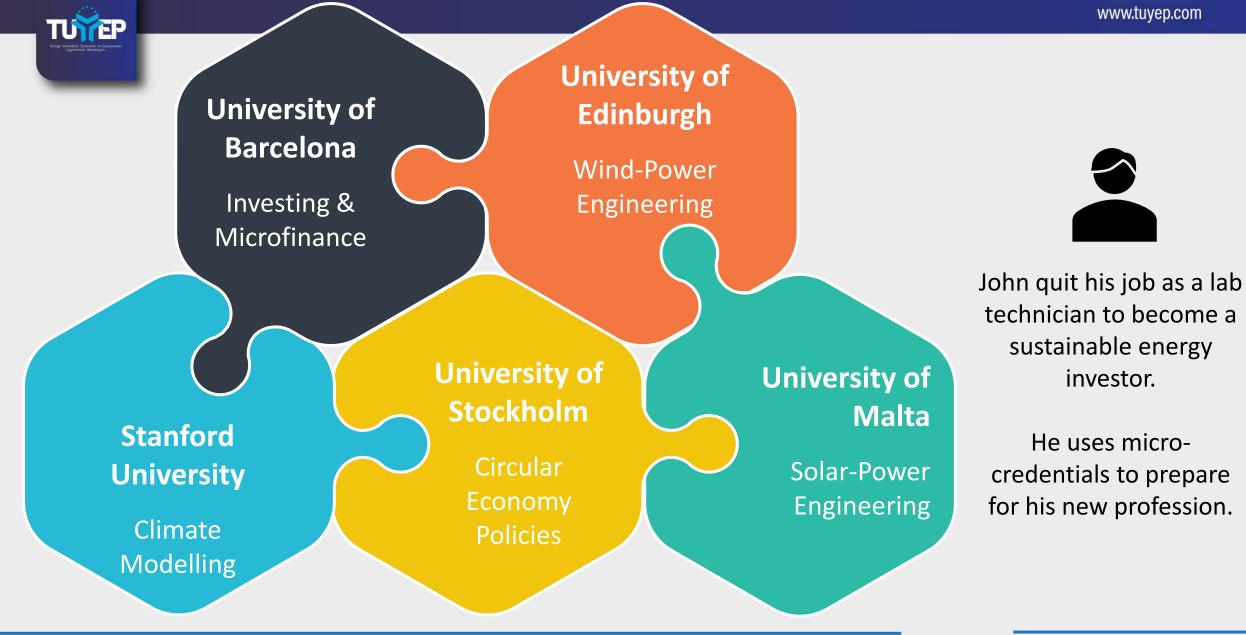
use different modes of delivery



encourage a sense of autonomy in learners

ESG 2015: Standard 1.5 – Student-centred learning, teaching and assessment



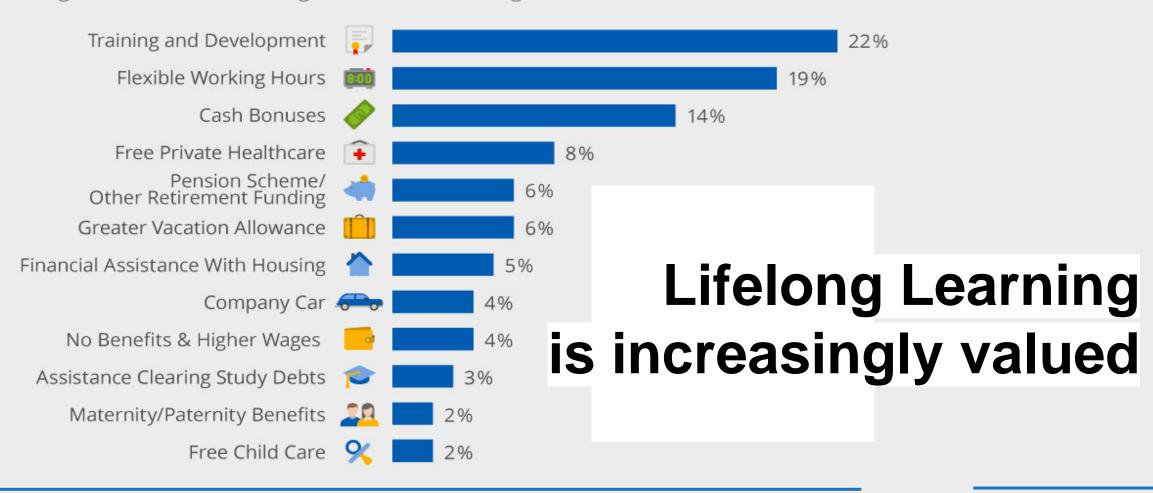


MOOCs make pathways like this possible



Which Working Benefits Do Millennials Value Most?

% of global millennials ranking each of the following benefits first

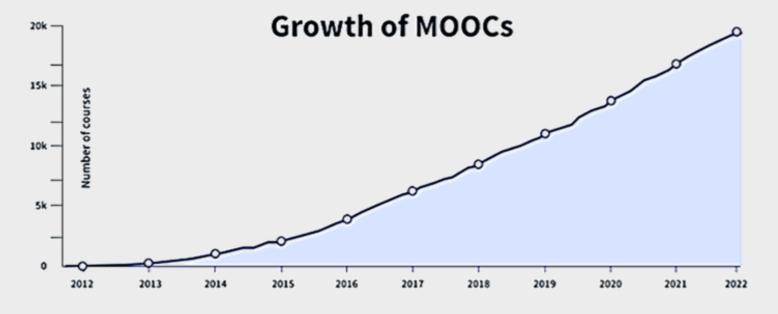








The Rise of Micro-Credentials



By the Numbers: MOOCs in 2021 Statistics do not include China



Platform	Registered Learners	Types of Micro-Credentials (as of 2022)
Coursera	97 million (as of 2021)	Specialisation, MasterTrack, Professional Certificate
edX	42 million (as of 2021)	XSeries, MicroBachelors, MicroMasters, Professional Certificate, Professional Education
Udacity	11.5 million (as of 2019)	Nanodegree
Future Learn	17 million (as of 2021)	Program, ExpertTrack, Microcredential
LinkedIn Learning	17 million (as of 2020)	Path



Which factors are most important when hiring potential employees?



Micro-Credentials are gaining value for employment

Source: 2016-2017 Accenture, Grads of Life and HBS Project on Managing the Future of Work, Hiring and Talent Management Survey.



Megatrend

Rise of High Quality Micro-Credentials



Megatrend

Rise of Non-Accredited Higher Education

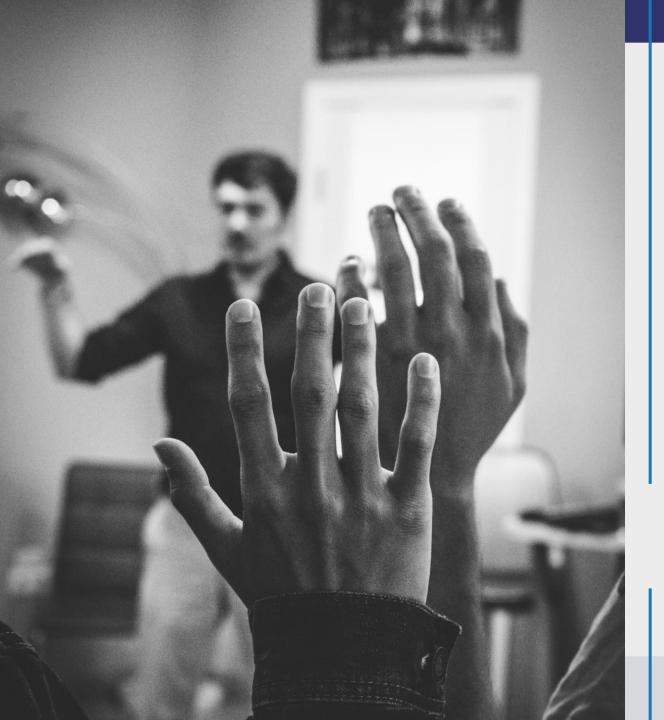




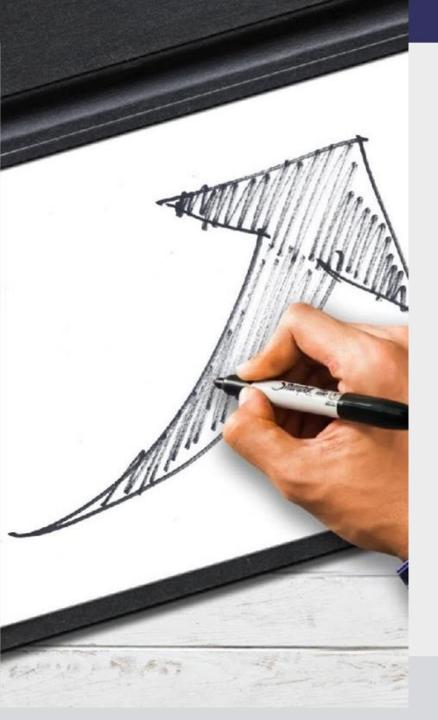
Summary

- The value of degrees and qualifications is decreasing
- New Models of Education are Thriving

The End of Traditional Education and Degrees



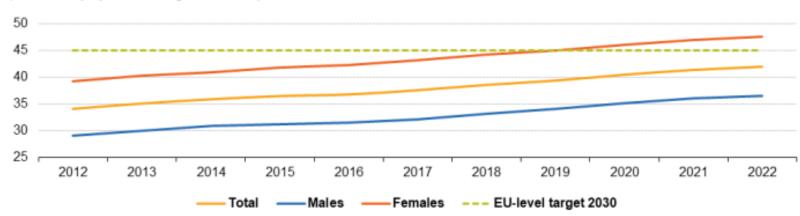
Should I go to University?



Higher Education and Tertiary Education Qualifications are still in increasing demand

Population aged 25-34 with tertiary educational attainment (ISCED 5-8), by sex, EU, 2012-2022

(% of the population aged 25-34)



Note: Break in the series in 2014 and 2021.

Source: Eurostat (online data code: edat_lfse_03)



CREDENTIAL GAP BY MIDDLE SKILLS OCCUPATIONAL FAMILY

Occupational Family (+ Top Titles)	Credentials Gap	%Job Holders with BA+ (Source: American Community Survey)	% Postings Requiring Bachelor's Degree (Source: Burning Glass)	2013 Job Postings in Middle Skills Occupations (Source: Burning Glass)
Management - Production Supervisors - Transportation, Storage, and Distribution Managers	26%	42%	68%	710,652
Office and Administrative Services - Executive Secretaries and Executive Assistants - Insurance Claims Clerks	25%	20%	45%	865,134
Business and Financial Operations - Employment, Recruitment, and Placement Specialists - Training and Development Specialists	21%	51%	72%	535,921
Computer and Mathematical - Computer User Support Specialists - Computer Network Support Specialists	21%	39%	60%	226,240
Sales and Related - Wholesale and Manufacturing Sales Representatives - Supervisors of Retail Sales Workers	13%	43%	56%	1,391,113

Many Professions have *upgraded* to requiring degrees

Burning Glass (2014: Moving the Goalposts: How demand for a Bachelor's Degree is Reshaping the Workforce

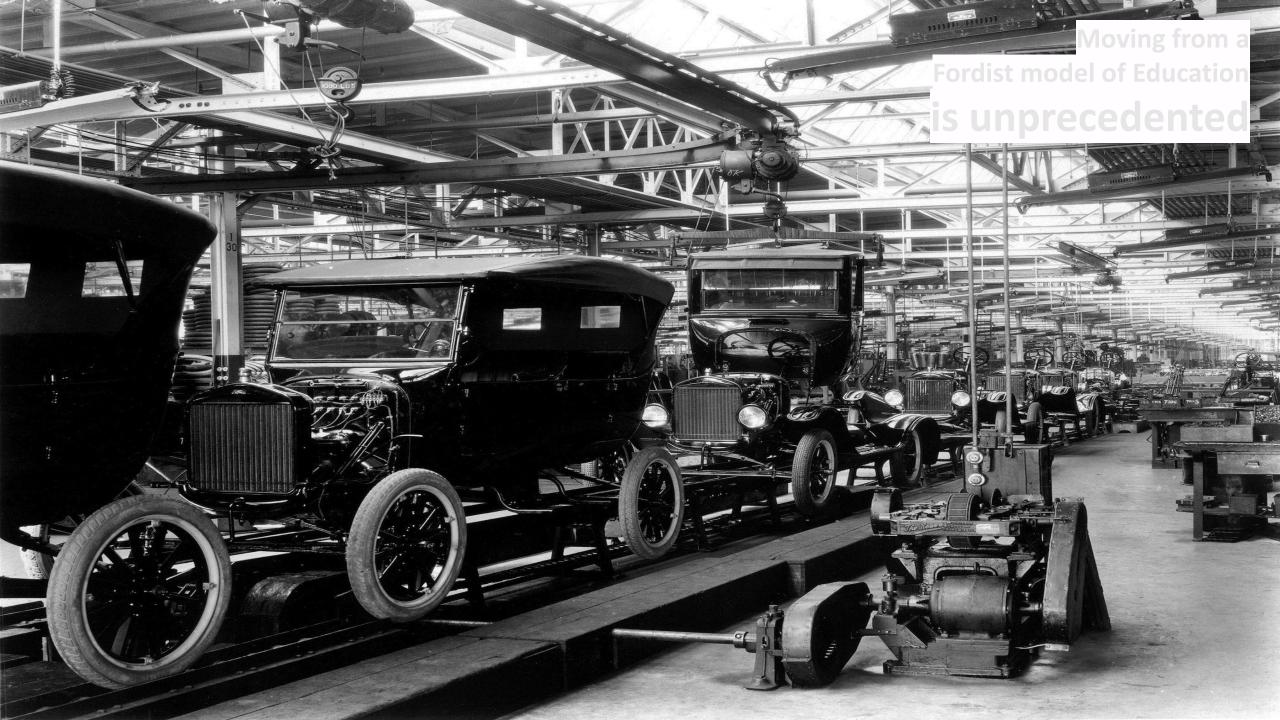




Summary

- The value of degrees and qualifications is decreasing
- New models of (higher) education are thriving

The Golden Age of Traditional Degrees





University of Barcelona

Investing & Microfinance **University of** Edinburgh

Wind-Power Engineering

University of

Malta Solar-Power



To have value these microcredentials have to be recognised by his future employer

Stanford University

Climate Modelling **University of** Stockholm

> Circular Economy **Policies**

Engineering



Is there a middle way?

Typically the value of a credential is considered to be a function of the:

reputation of the organization issuing the credential



Quality Assurance

demand for and/or inherent value of the experience or skill described by the credential



Competence Standards

the technical quality of the credential



Technology & Standards



Value of a Qualification

The wide acceptance of degrees is as much a function of all of these elements



Bologna has improved technical quality of qualifications

- Recognition Conventions
- Qualifications Frameworks
- Diploma Supplements
- Credit Systems

No common European format exists for describing qualifications and their learning outcomes: this hinders their comparability.

but digital tools have been ignored



...but only at qualification/degree level

Although the EQF aims to promote flexible learning pathways and focuses on learning outcomes independently of where the qualification has been acquired, no common arrangements exist for credit transfer and accumulation for credentials related to the EQF.

European Council
Recommendation on new
Qualification Framework



A simple Idea....

Modules / Credits not Degrees should become the default unit of learning



A challenging Idea....

Modules / Credits not Degrees should become the default unit of learning A hundred increase in volume of the increase in

A hundredfold increase in volume of credentials data held and generated



A challenging Idea....

ECTS not Qualifications should become the default unit of learning

Only automatic or semi-automatic recognition is feasible



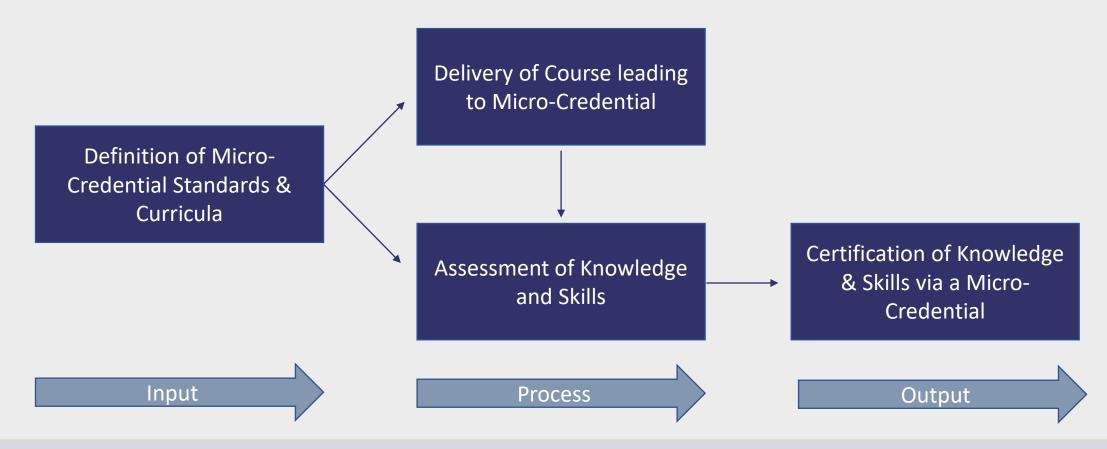
EU Council Definition of Micro-Credentials

,Micro-credential' means the record of the learning outcomes that a learner has acquired following a small volume of learning. These learning outcomes will have been assessed against transparent and clearly defined criteria.

Learning experiences leading to micro-credentials are designed to provide the learner with specific knowledge, skills and competences that respond to societal, personal, cultural or labour market needs. Micro-credentials are owned by the learner, can be shared and are portable. They may be stand-alone or combined into larger credentials. They are **underpinned by quality assurance following agreed standards** in the relevant sector or area of activity.



Processes encompassed in the definition of Micro-Credentials





Classifying Micro-Credentials

Skill Credential	Micro-Credential Modules	Short Learning Programmes
4-25 hours of learning	25-150 hours of learning	150-1500 hours of learning
Awarded within the context of non-formal learning	Awarded within the context of formal learning and include options for assessment	Awarded within the context of formal learning and include options for assessment
Not explicitly quality assured by external QA	Often explicitly quality assured by external QA	Always explicitly quality assured by external QA
Linked to the acquisition of a specific competence	Linked to the acquisition of a set of academic learning outcomes	Can be mapped to qualification frameworks, either as 'partial qualifications' or as a special category of micro-qualifications
		Linked to specific career progression goals



How are micro-credentials like electric cars?

proven concept
proven technology
social imperative
public demand
legacy and new providers
easy to get
enable new types of mobility





How are micro-credentials like electric cars?

not accepted everywhere
not fully trusted
are not interoperable
face scaling issues
compete with legacy systems





A roadmap to facilitating micro-credential uptake

Qualification Frameworks

supplement via thematic competence/qualification frameworks

Diploma Supplements

enhance through bundles of credit supplements

Quality Assurance

link ECTS more explicitly to Quality Assurance

Recognition

Common descriptors & tech standards



Thank You for Your Attention



Happy to Answer any Questions!

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