



MINISTRY FOR DEVELOPMENT OF  
ECONOMY, TRADE AND AGRICULTURE  
OF UKRAINE

**#ЕКСПОРТУЙ**  
EXPORT STRATEGY TEAM

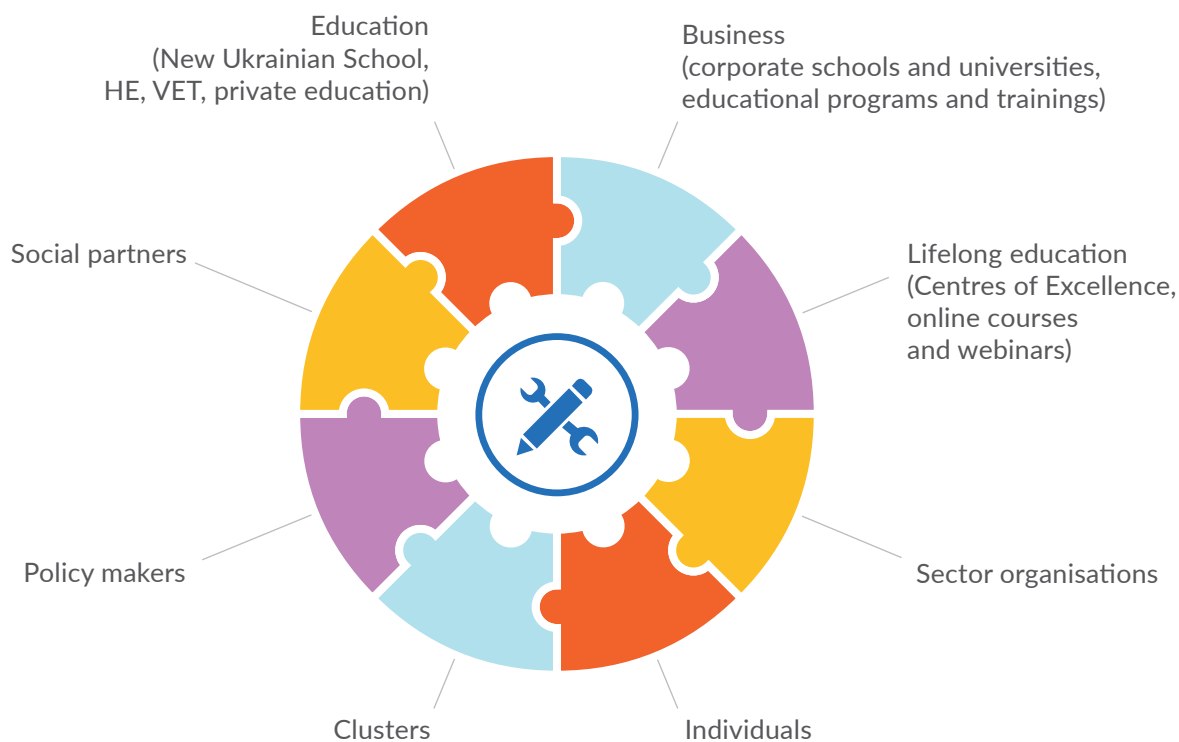


# Skills development in Ukraine

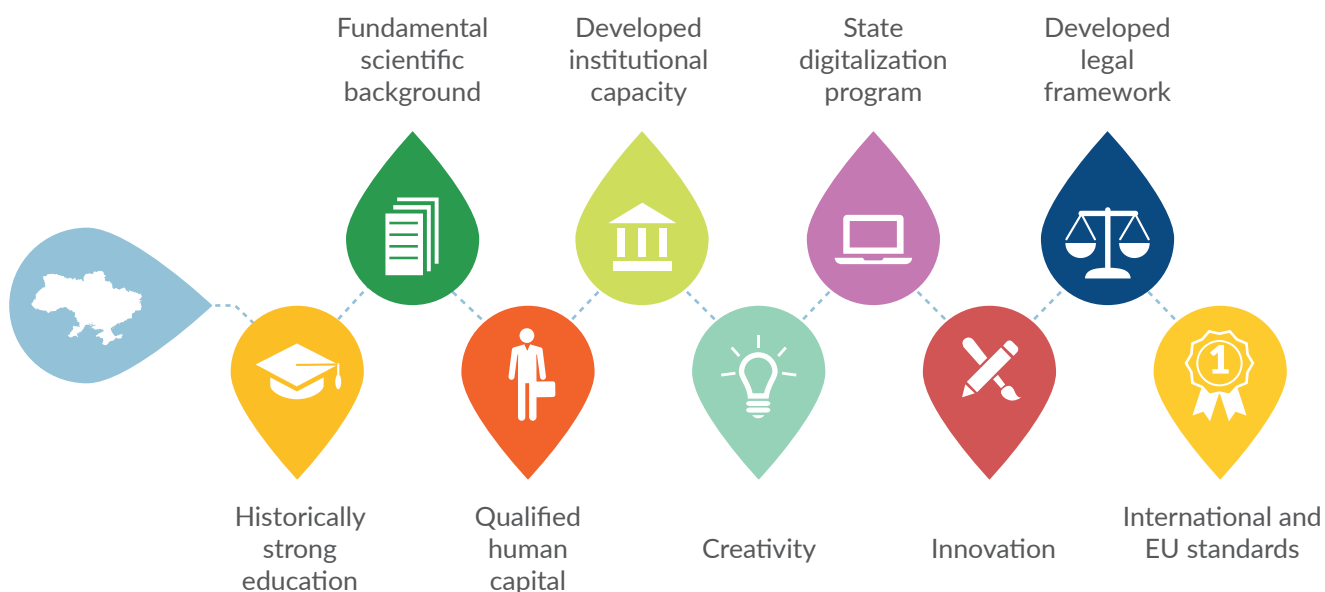
## CROSS-SECTOR OVERVIEW

Ukraine has a high level of educational attainment: many university students, high literacy rate and significant number of graduates who contribute to industrial and scientific progress. However, in the increasingly fast-paced world employers become more demanding, so the need for the development of new skills is growing rapidly.

## SKILLS DEVELOPMENT ECOSYSTEM



## WHY UKRAINE



## KEY FIGURES



**1,44<sup>mln</sup>**

students at universities,  
academies, institutes



**333,6k** graduates from universities,  
academies, institutes in 2019



**50,2k** graduates from colleges  
and technical schools



**281**  
universities, academies, institutes



**338**  
colleges and technical schools



Around **900** state-owned  
VET providers



Around **2 000** private  
VET providers



Around **20** private  
business schools



**100+** R&D centres



**99%** literacy



**73%** Ukraine's labor force with  
advanced education in 2018



**75,3%** Gross enrolment ratio,  
tertiary education in 2018



Member of the PISA



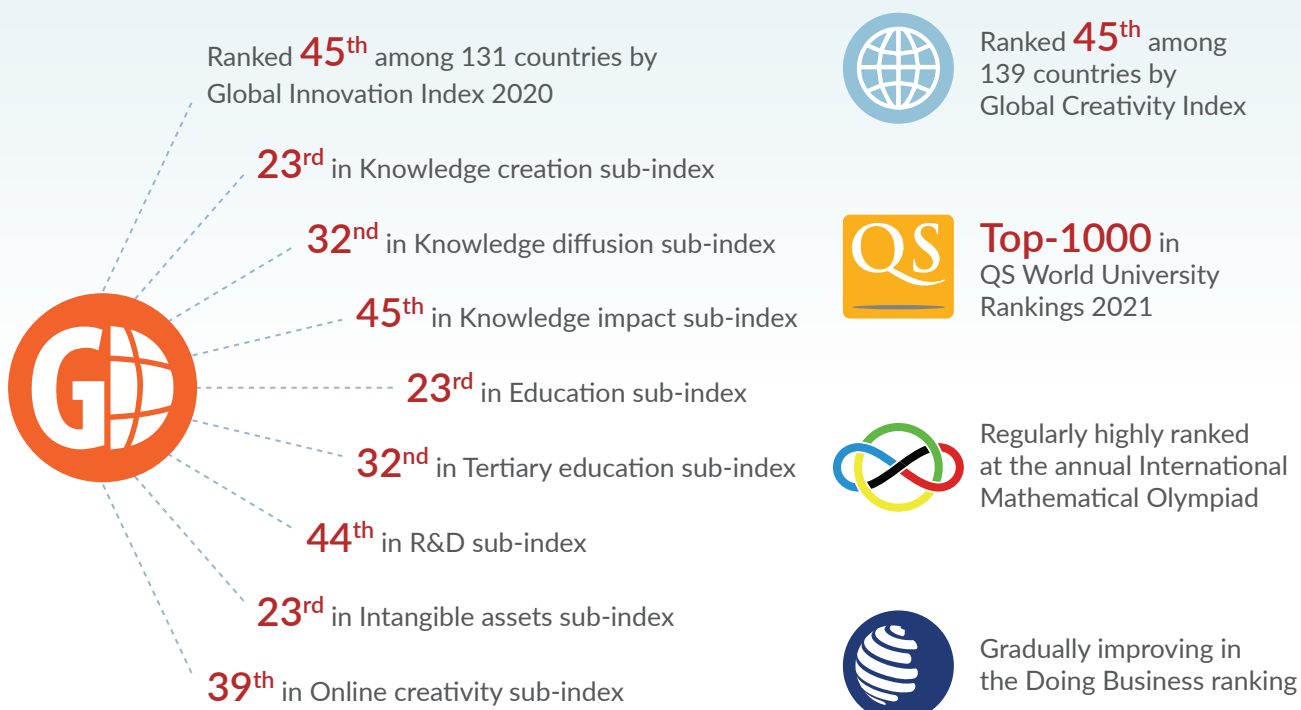
Member of the Bologna Process



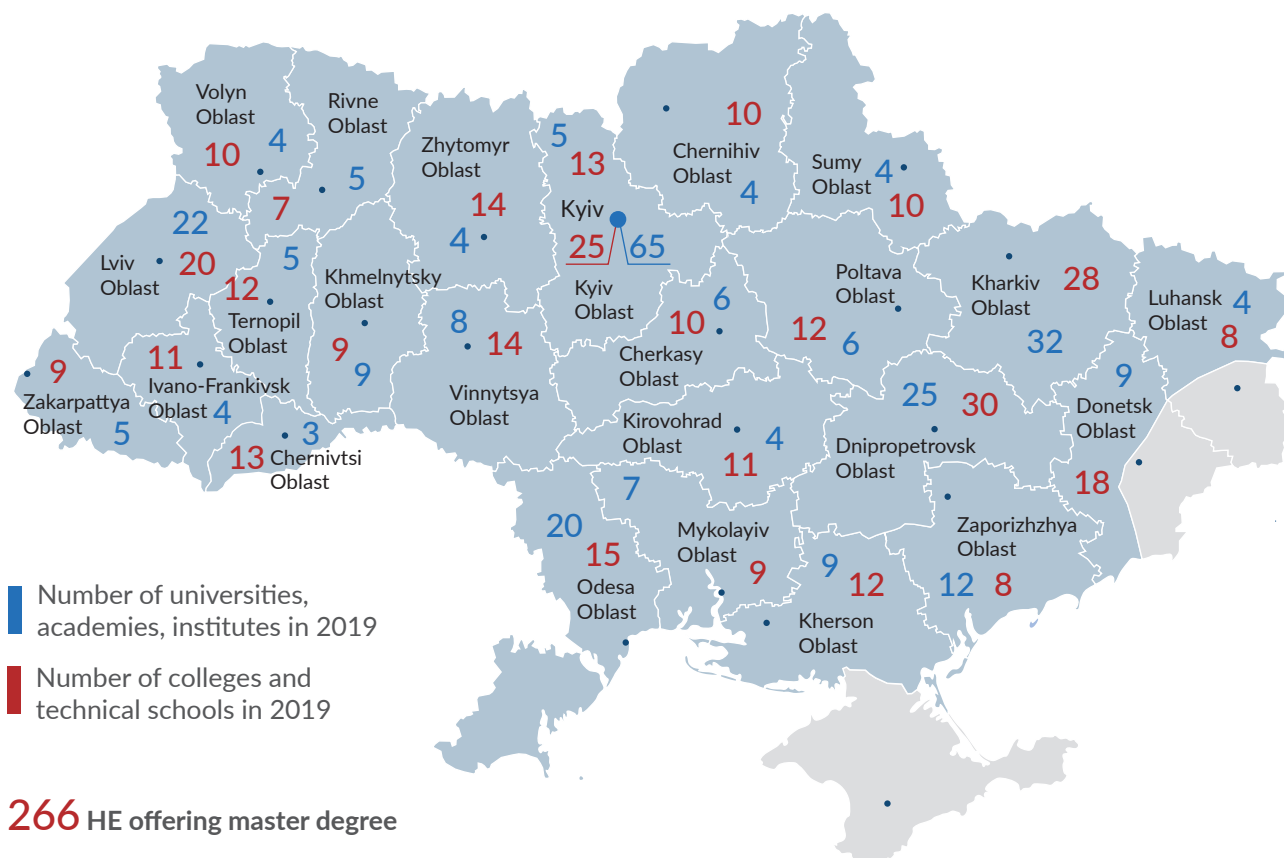
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## UKRAINE IN GLOBAL RANKINGS

Ukraine shows an overall increase in 2020's Global Innovation Index. The country has significantly improved in education (20 ranks up) and R&D (10 ranks up)



## MAJOR HE and VET INSTITUTIONS



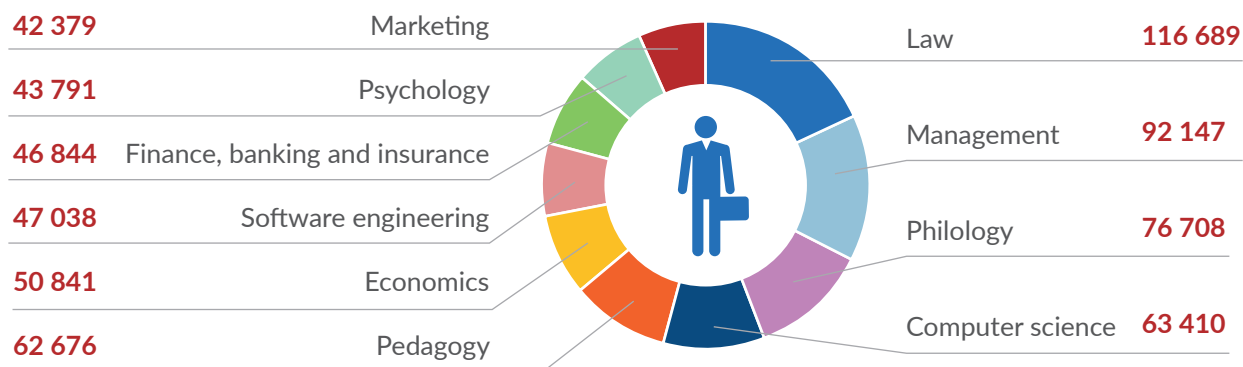
**266** HE offering master degree

### Specialty

Management and administration	199	Mechanical engineering	57
Social sciences	166	Electrical engineering	55
Information technology	109	Architecture	53
Law	103	Journalism	48
Public administration	95	Transport	45
Education/pedagogy	93	Mathematics and statistics	37
Natural sciences	91	Electronics and telecommunications	37
Humanities	87	Civil security	37
Culture and art	80	Chemical and bioengineering	36
Service sector	69	Agricultural sciences	34
International relations	64	Biology	31
Automation and instrumentation	63	Veterinary medicine	14
Health care	63	Theology	6
Production and technology	58	Military sciences, national security, state border security	5
Social work	58		



## Top 10 specialties 2020 by number of applications



## Top 10 most popular HE institutions by number of applications



- 1 Taras Shevchenko National University of Kyiv
- 2 National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
- 3 Ivan Franko National University of Lviv
- 4 Lviv Polytechnic National University
- 5 Kyiv National University of Trade and Economics
- 6 National Aviation University
- 7 Kyiv National Economic University named after Vadym Hetman
- 8 V. N. Karazin Kharkiv National University
- 9 National Pedagogical Dragomanov University
- 10 National University of Life and Environmental Sciences of Ukraine

## CLUSTERS and HE/VET COOPERATION

Ukrainian clusters engage advanced companies in development of the national education system. They aimed to create and modernize innovational tech programs through cooperation between companies and universities.



**Kyiv IT Cluster** cooperates with National Technical University of Ukraine Igor Sikorsky Kyiv Polytechnic Institute, Kyiv Academic University, National University of Kyiv-Mohyla Academy, State University of Telecommunications, Kyiv National Economic University named after Vadym Hetman and European University



**Lutsk IT Cluster** cooperates with Lesya Ukrainka Eastern European National University, Lutsk National Technical University and ITEA courses



**Lviv IT cluster** closely cooperates with Ivan Franko National University of Lviv, Lviv Polytechnic National University, and in 2017–2019, cluster worked on the construction of innovational student labs



**Precarpathian Eco-Energy Cluster** cooperates with Vasyl Stefanyk Precarpathian National University and Ivano-Frankivsk National Technical University of Oil and Gas



**Lviv Publishing and Printing Cluster** cooperates with Stavropigion Higher Vocational School of Lviv and Ukrainian Academy of Printing



**Ivano-Frankivsk IT Cluster** cooperates with Ivano-Frankivsk National Technical University of Oil and Gas and Vasyl Stefanyk Precarpathian National University



**IT Cluster Konotop** cooperates with Classical Vocational College of Sumy State University, Konotop Institute of Sumy State University and Konotop Industrial and Pedagogical Professional College of Sumy State University



**Cherkasy IT Cluster** cooperates with Cherkasy State Business College



**Kharkiv IT Cluster** cooperates with National Technical University "Kharkiv Polytechnic Institute", V. N. Karazin Kharkiv National University and Kharkiv National University of Radio Electronics



**Chernihiv IT Cluster** cooperates with Chernihiv Polytechnic National University



**Vinnytsia IT Cluster** cooperates with Vasyl' Stus Donetsk National University, Vinnytsia National Technical University, Vinnytsia State Pedagogical University, Vinnytsia Technical College, Beetroot Academy and Rainbow School

In 2019, 950 Ukrainian organizations carried out R&D work, of which 43.1% refer to the public sector; 42.9% – to business; 14% – to HE.



# CROSS-SECTOR EXPORT STRATEGY SKILLS DEVELOPMENT IN UKRAINE

## Vision

Development of highly skilled workforce supported by initial and continuous industry-relevant learning programs leading to export competitiveness and growth

## Strategic Objectives



Facilitate entrepreneurial spirit among the youth and help SMEs develop managerial skills

- Provide high-quality learning opportunities for new and existing export businesses
- Ingrain training programs into the larger entrepreneurship ecosystem
- Enhance collaboration between the industry, HE and VET



Align educational offering to business needs, in particular SMEs

- Collect consistent, up-to-date labor market information to meet needs of the priority sectors
- Provide market-oriented information on labor offering and needs to meet aspirations of young people and track jobs in high demand by export sectors
- Establish a national platform for communication between government and business aimed at collaboration, planning and development of skills necessary to enhance exports and competitiveness



Develop a national cluster program for collaboration and development of skills necessary to facilitate export growth and competitiveness

- Ensure economic welfare by fostering innovations, soft skills, management and technical skills through increasing the variety of high-quality learning strategies and learning activities
- Ensure that flexible and diverse HE and VET offerings are available, which will help develop a vibrant and responsive HE and VET ecosystem
- Develop a knowledge base of cluster initiatives
- Launch a cluster development program





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NON - GOVERNMENTAL UNION  
FOUNDATION FOR SUPPORT OF REFORMS IN UKRAINE

