

**ITE-VET**  
2016–2018



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Erasmus+ Programme  
of the European Union



# **1.VET System in Ukraine**

## **2. VET Teachers' Education System**

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**Інститут професійно-технічної освіти  
Національної академії педагогічних  
наук України**



**Erasmus+**

# **1. VET System in Ukraine**

# **2. VET Teachers' Education System**

**Borodiyenko Oleksandra, PhD, Head of Foreign VET  
Systems Research Department**

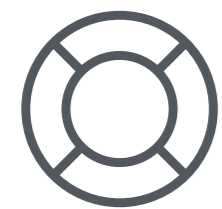
# Network



**Initial VET, Continuous VET**  
**More than 2000 Institutions**



**Public and private ownership**  
**Public – Vocational Schools, Private – Training Centers**

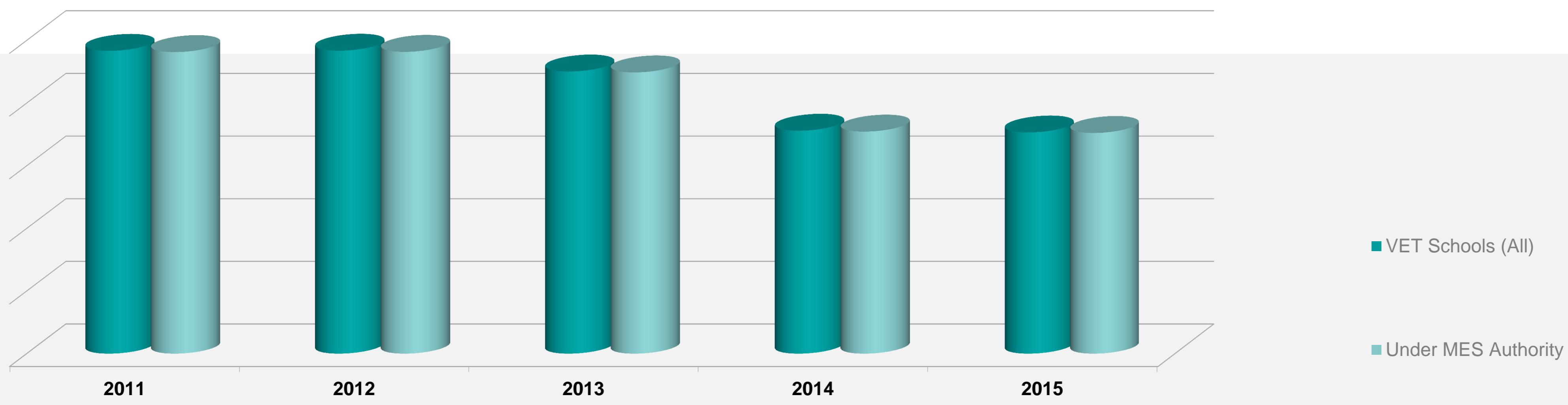


**Public Vocational Schools**  
**821, more than 400 work professions**



**Regional Scientific and Methodical Centers**



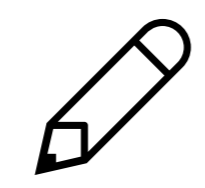


# Vocational Schools

# Key Causes



**Demographics**



**Economy**



**Prestige**



**Strategy**



# Types of VET Schools

Total - 798



**Higher Vocational School (169),  
Vocational School (99)**



**Center of Vocational Education (67)**



**Professional Lyceum (372)**



**Vocational School as a structural unit  
of the University (26),  
Training Centers at  
Institutions of Closed Type (65)**

# Educational And Practical Centers (84)

27



14

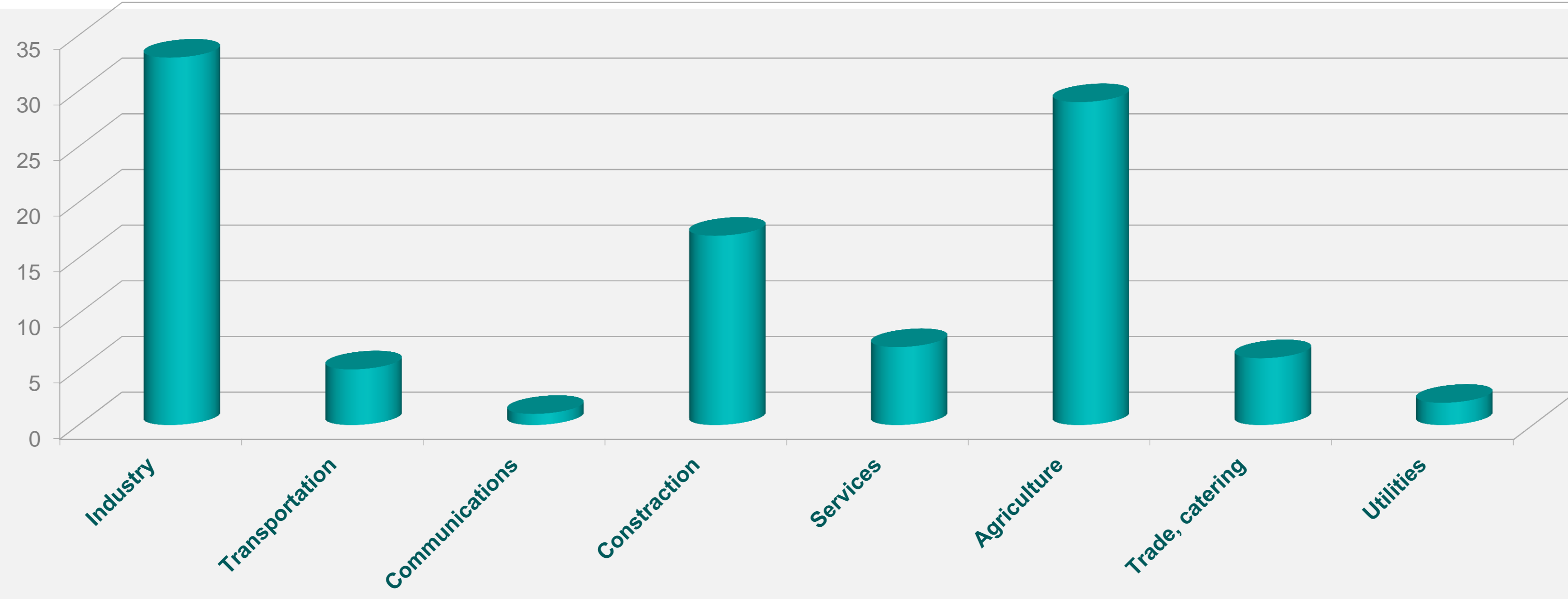


13

EPC of  
Service Sphere

127

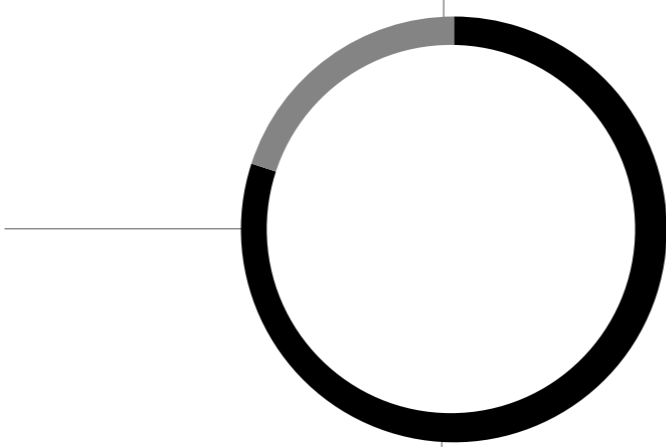
EPC of  
Agriculture



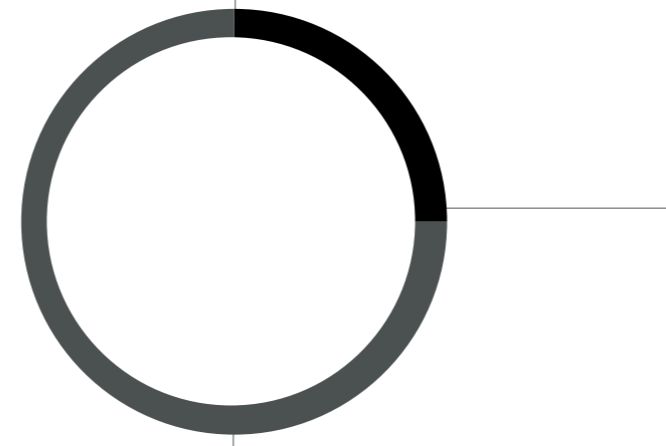
# Vocational Schools



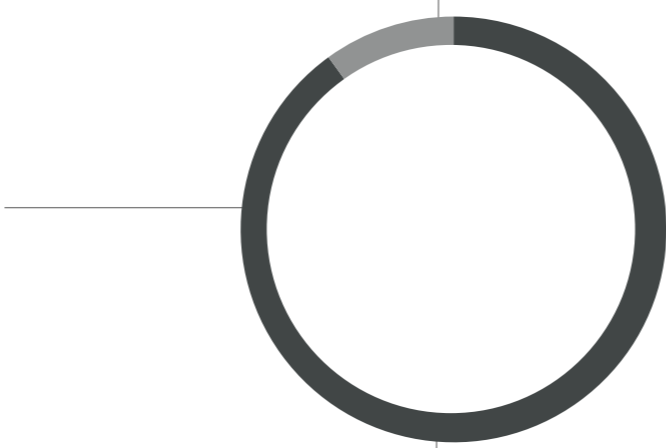
**Low Demand in Workers in Industry**



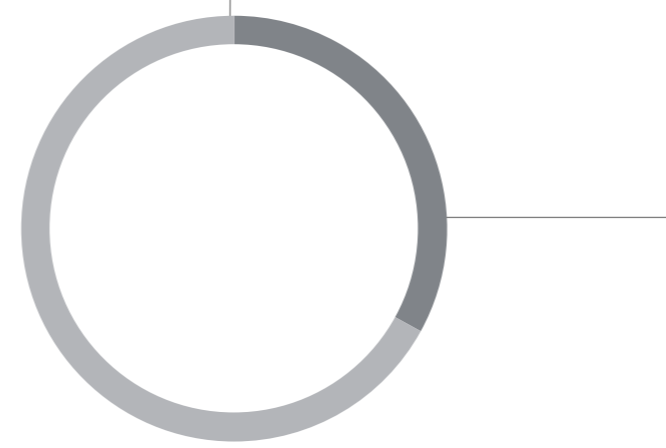
**Low Demand in Workers in Construction**

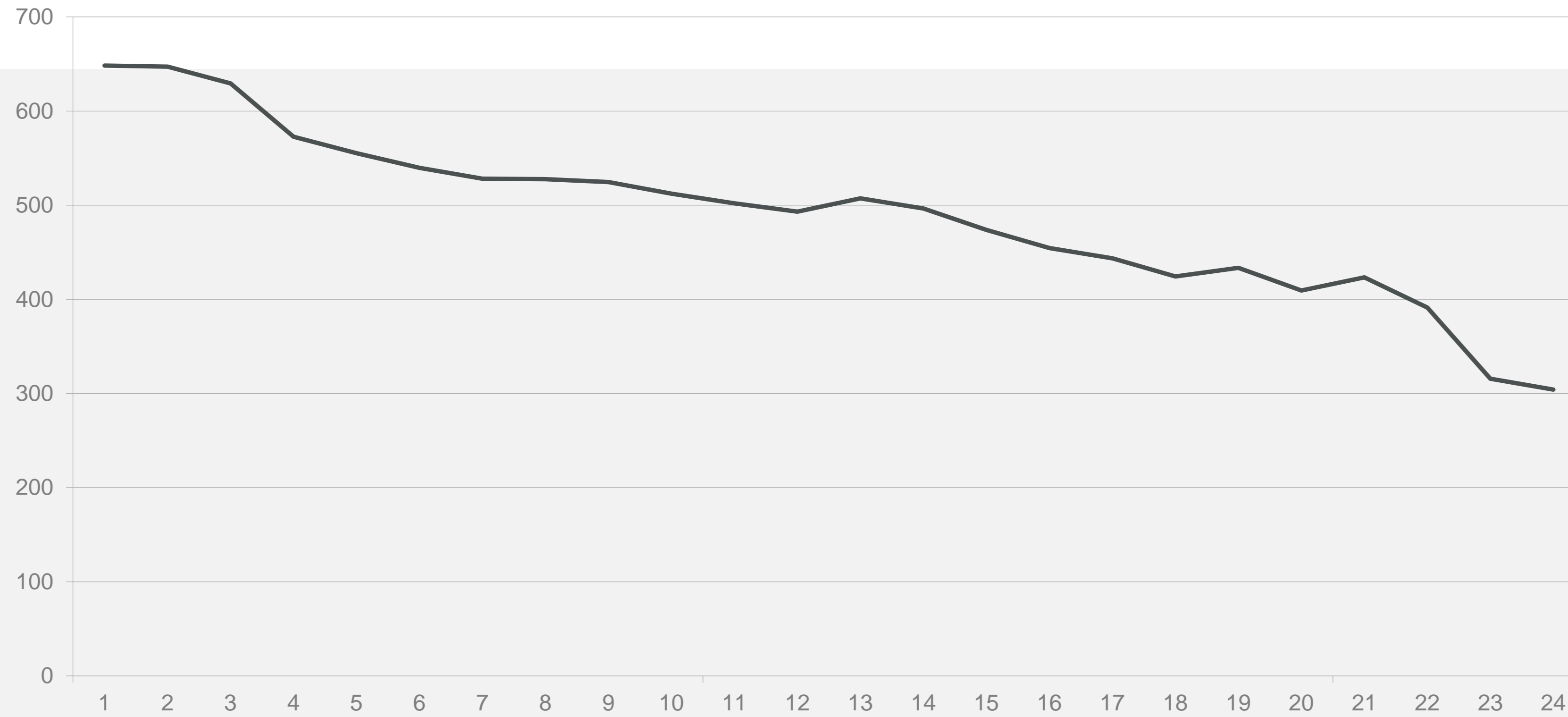


**High Demand in Workers in Service Sector**



**High Demand in Workers in Agricultural Sector**

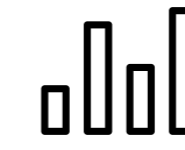




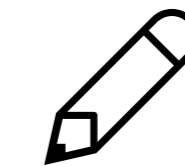
# Quantity of Students in Vocational Schools



# Categories of Learners



**Students**



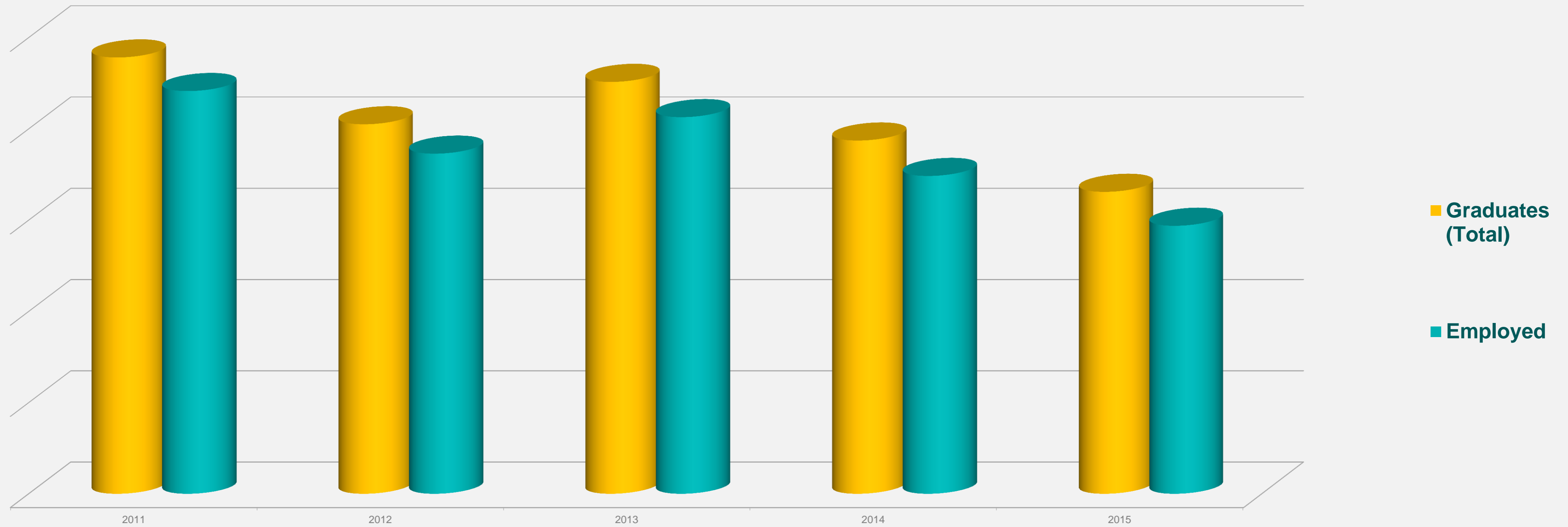
**Unemployed**



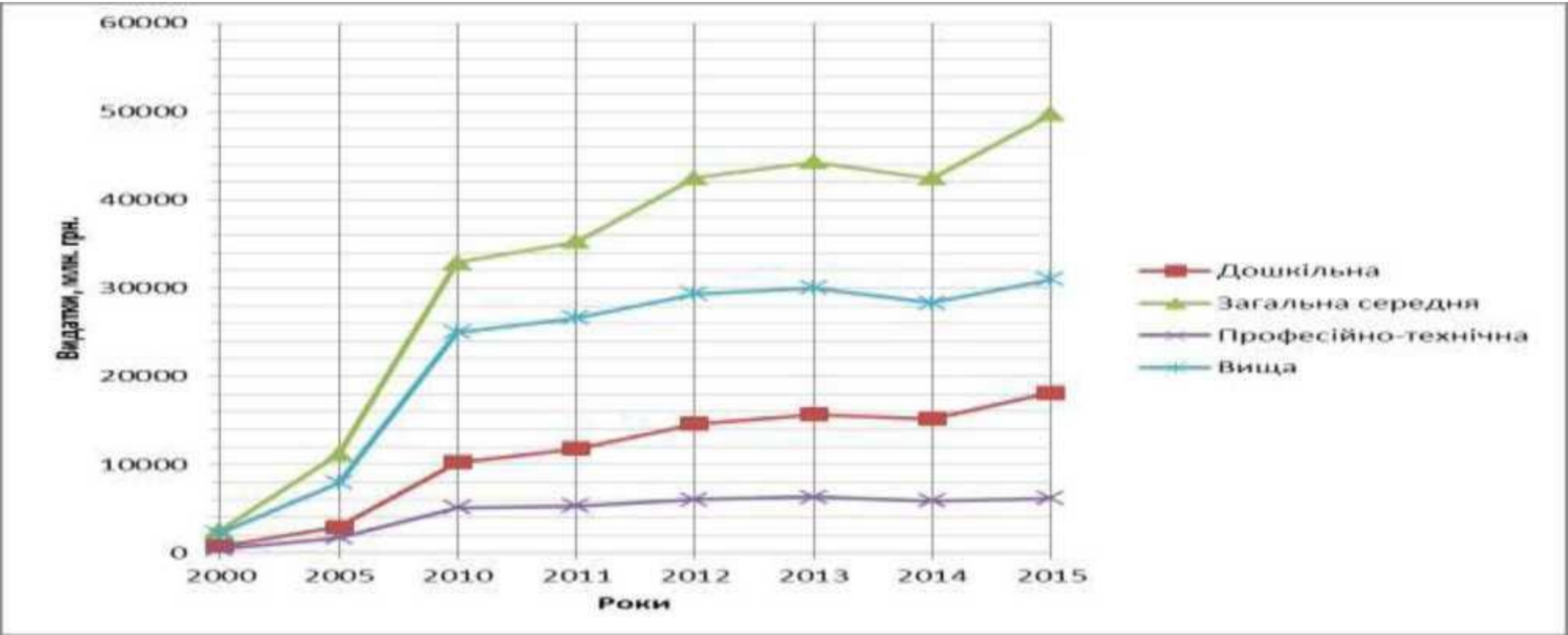
**Retraining**



**WBL**



# Employment of Graduates



# Funding

# Curriculum



**Connected with the ISCED**



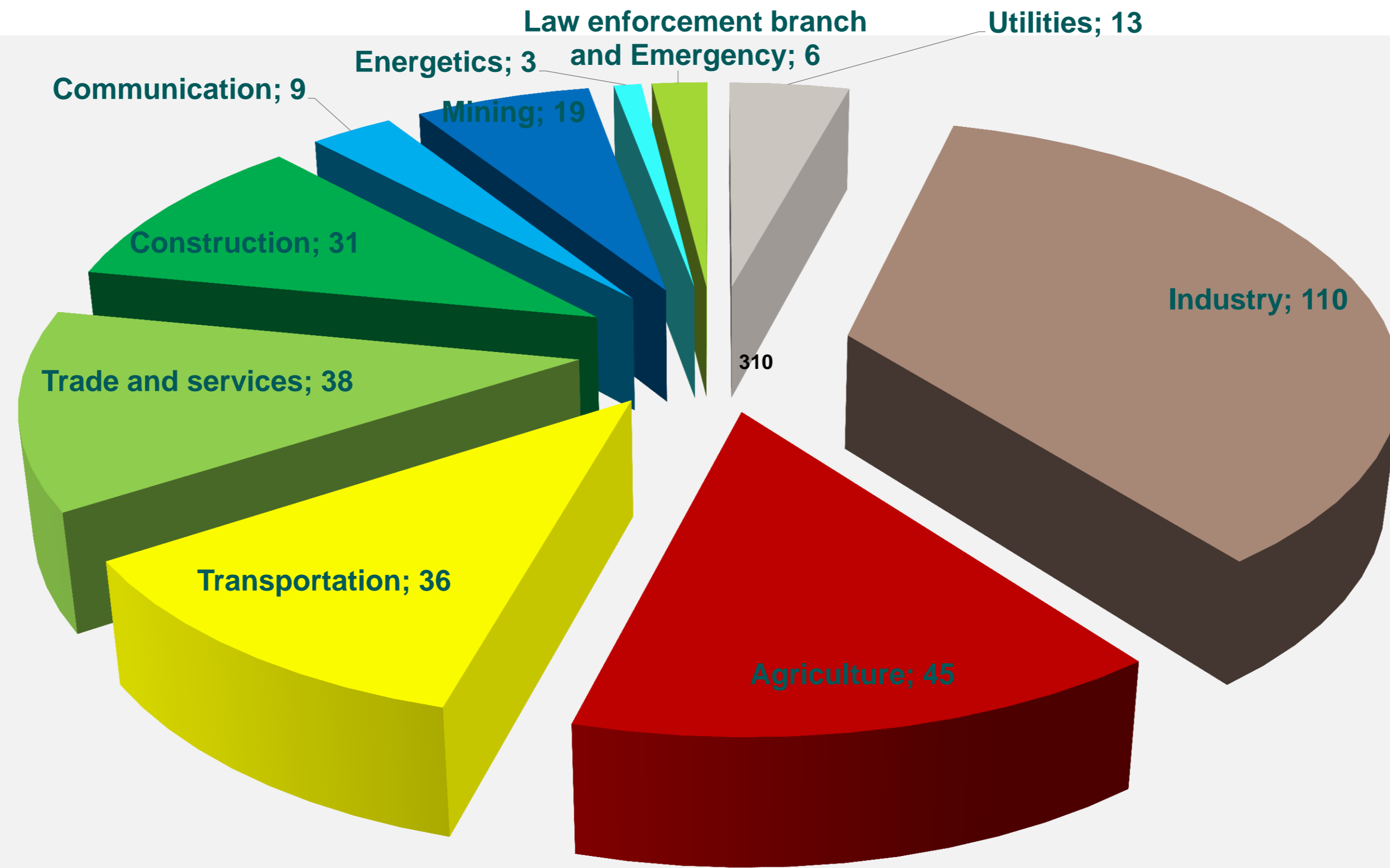
**310 State Standards of Worker Professions**

Are mandatory and Unified for Vocational Schools, Training Centers, Institutions



**Acknowledgement**

82 new state standards, 759 typical curriculums in action, 150 new curriculums are approved



# State Standards

# Governance



State Level:

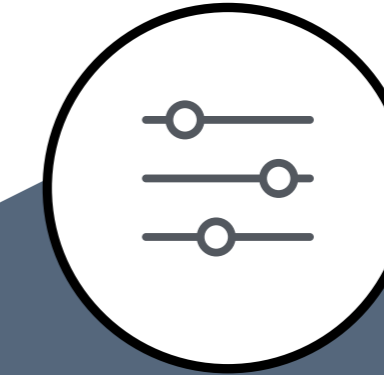
Ministry of Education  
and Science



Regional Level:

Regional State  
Administration

Kyiv City State  
Administration



Vocational School Level:

Director, appointed by  
Ministry of Education  
and Science

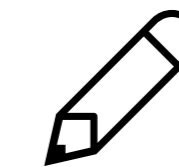




# Main Actors and Stakeholders



**Students**



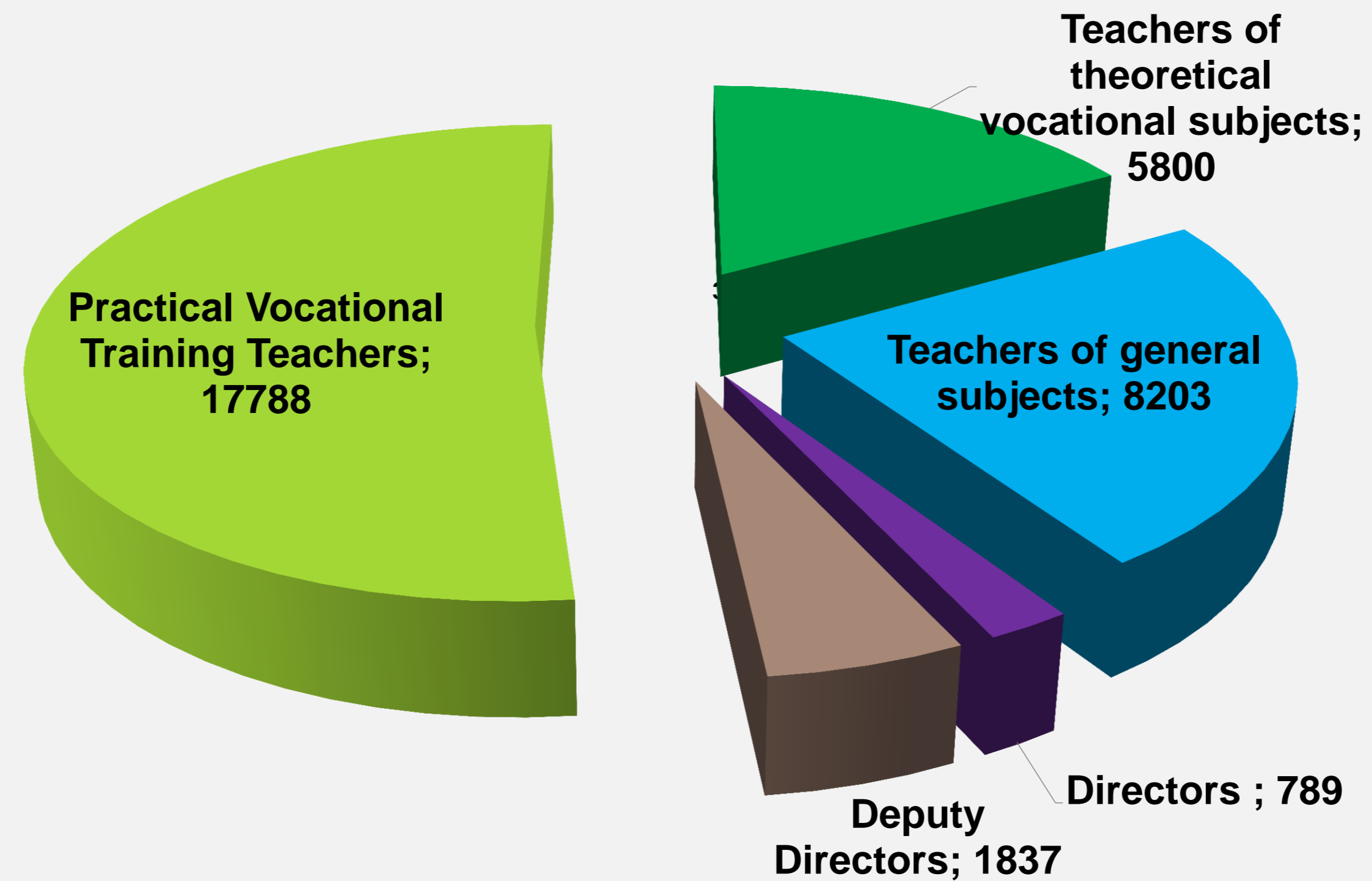
**Teaching Staff**



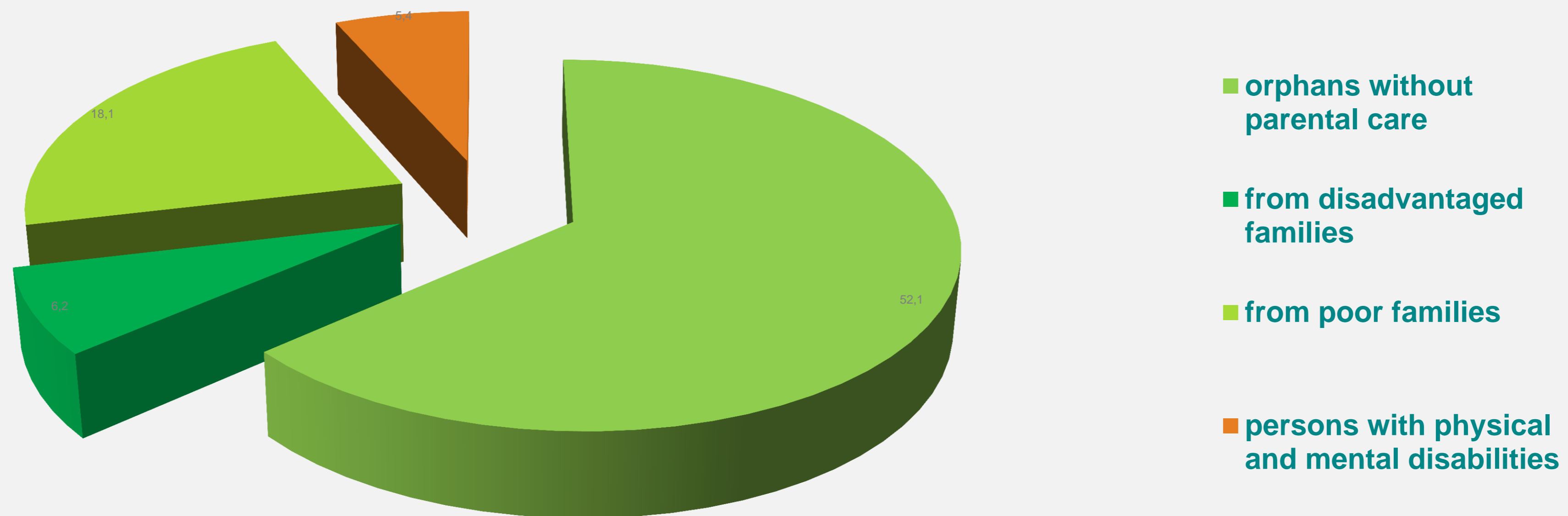
**Parents**



**Regional VET Councils**



**VET Teachers (39472)**



**Students (304 100)**

# Other Stakeholders



## Business and Associations

Enterprises, institutions, organizations and institutions that hire qualified workers and / or provide professional and practical training of applicants for vocational education. Professional associations, employers, their organizations and associations, trade unions and associations



## Education and Science

Scientific, methodical, teaching institutions



## Independent Institutions

NGOs, independent accreditation institutions, students' councils

# Core Problems



## Legislation

Outdated legal and regulatory framework



## Funding

Reordering of funding mechanism of VET schools



## State Standards

Outdated list of professions of skilled workers, state standards on specific working professionals, the lack of professional standards, developed on the basis of competence approach



## Imbalance

Imperfect mechanism of balance of supply of training of skilled workers and demand at the national and regional labor markets

# Key Challengers



## Prestige

Low prestige and funding of VET teaching staff



## Accreditation Centers

Absence of Independent centers for learning outcomes assessment



## “Brain Drain”

VET teaching staff moves to Higher Education Institutions and to real sector



## State Support

Low level of State Support of Vocational Schools moved from the temporary occupied territories



## Low Qualifications

Filling vacancies of VET teaching staff by graduates without appropriate professional qualifications



## Migration

Work migration of youth to developed countries

# Key Challengers



## Rehabilitation

Lack of effective vocational rehabilitation of participants ATO



## Integrated Professions

Imperfect mechanism of consolidation and the introduction of new working professions



## National Qualification Framework

The lack of state support and funding of implementation of the national qualifications framework, creation of professional standards on the basis of international standards



## Duplication

Duplication of functions among VET Schools and Higher Education Institutions



## E-environment

Absence of unified electronic educational environment

# VET Teachers' Education

**Specialties of VET teachers in Ukraine:**

- VET teacher (inside in – specializations: engineer-teacher, agronomist-teacher, economist-teacher, lawyer-teacher etc...)

**2002 – State classifier – new profession – VET Teacher on the Profile of.....**

Combination of theoretical and practical training

**Categories:**

-VET Teacher of the highest category

-VET Teacher of the 1st category

-VET Teacher of the 2nd category

-VET Teacher





# Levels (Educational and Qualification) of VET Teachers' Training



## Junior specialists (5 Level)

Higher Educational Institutions of I-II Levels of Accreditation



## Bachelor (6 Level)

Higher Educational Institutions of III-IV Levels of Accreditation



## Specialist

Higher Educational Institutions of III-IV Levels of Accreditation



## Master (7 Level)

Higher Educational Institutions of III-IV Levels of Accreditation

# Specializations inside the specialty “VET Teacher”

- **Construction**
- **Publishing and printing**
- **Mining**
- **Woodworking**
- **Documentation**
- **Electronics, electrical engineering, telecommunications**
- **Energetics**
- **Welding**
- **Computer Technology**
- **Engineering**
- **Oil and gas**
- **Occupational Health**
- **Services**
- **Technology of light industry**
- **Technology production and processing of agricultural products**
- **Transport**
- **Food technology**
- **Chemical technology**
- **Metallurgy**
- **Metrology, standardization and certification**

# Credits of ECTS

	<b>Junior Specialist (254)</b>	<b>Bachelor (98)</b>	<b>Master (1558)</b>
<b>Subjects of humanitarian and socio-economic cycle</b>	<b>20+5%</b>	<b>20+5%</b>	<b>10+5%</b>
<b>Subjects of mathematics and science (fundamental) cycle</b>	<b>20+5%</b>	<b>20+5%</b>	<b>20+5%</b>
<b>Subjects of professional and practical cycle</b>	<b>60+10%</b>	<b>60+10%</b>	<b>60+10%</b>
<b>Amount (Credits of ECTS)</b>	<b>180-240</b>	<b>180-240</b>	<b>90-120</b>

# Continuous VET Teachers' Training

## Institutions:

- University of Educational Management of National Academy of Educational Sciences of Ukraine
- 27 Regional Institutions for Postgraduate Teachers' Training
- Structural Units of Universities

## Forms:

- training courses
- blended learning
- module training
- individual consulting



# Initial VET Teachers' Training

## Types of Institutions:

- Specialized Engineering Pedagogics Universities
- Polytechnic Universities
- Pedagogical Universities
- Classic Universities
- Profile Specialized Universities

**Ukrainian Engineering Pedagogics Academy** – main methodical center for VET Teachers Training, Member of the International Organization of Engineering Pedagogics (IGIP).



# Initial Education for Specialization “Economy” inside the specialty “VET Teacher”



## Institutions:

- **Luhansk National Taras Shevchenko University** (licensed amount 25 – full time and 25 part time)
- **Ukrainian Engineering Pedagogics Academy** (licensed amount 60 – full time and 80 part time)
- **Kyiv National Economic University named after Vadim Hetman** (licensed amount 50 – full time)
- **Pereyaslav-Khmelnytskiy State Pedagogical University** (licensed amount 40 – full time and 25 part time)
- **Kyiv Professional Pedagogical College named after Makarenko** (licensed amount 20 – full time and 20 part time)



# Q&A