



Structural changes on labour market and what the future will be like

Ivan Láska

1

**Structural
changes**

2

Future

3

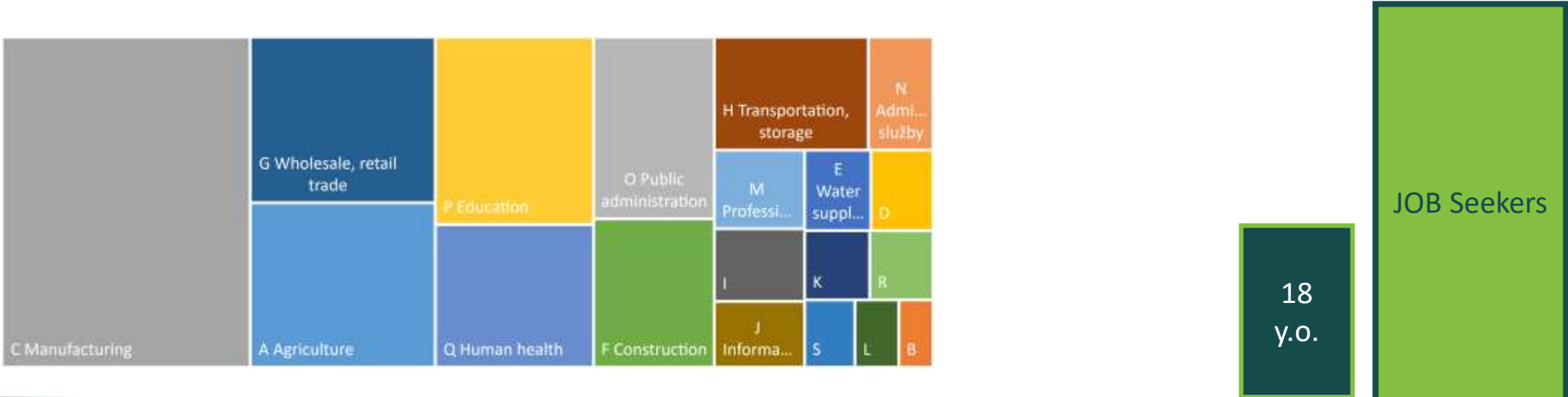
**Graduates
tracking**

**„I SKATE TO WHERE
THE PUCK IS GOING TO
BE, NOT WHERE IT HAS
BEEN.“**

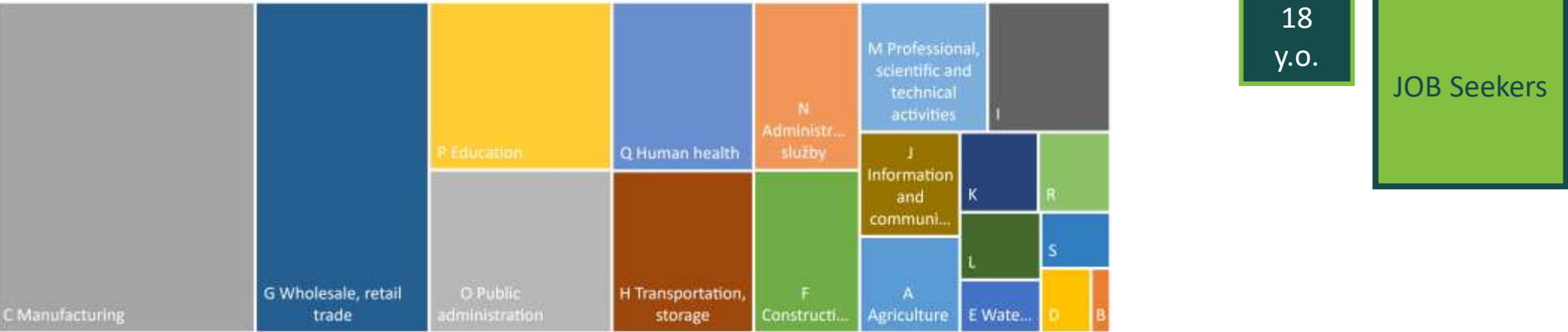
Wayne Gretzky

RISE OF TRADE, FALL OF AGRICULTURE

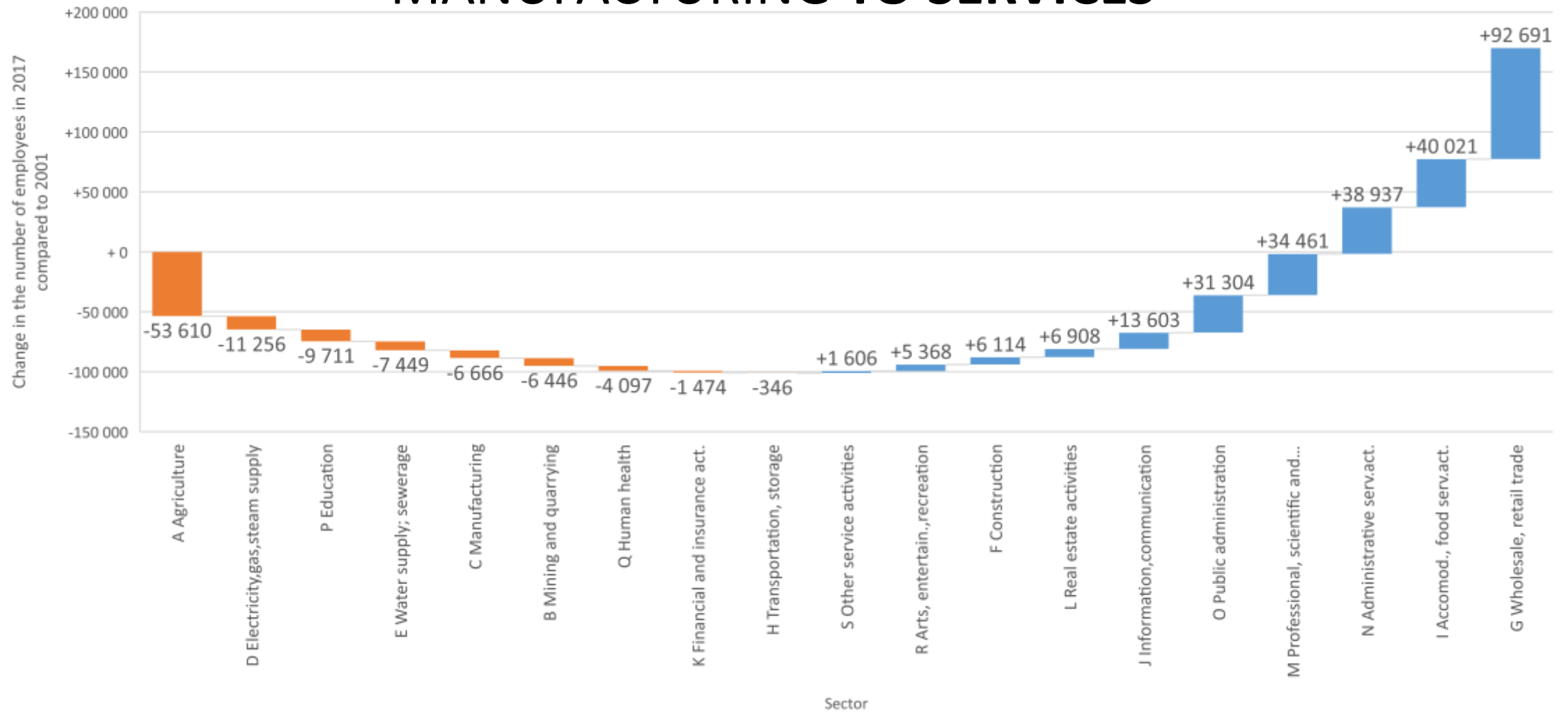
1995



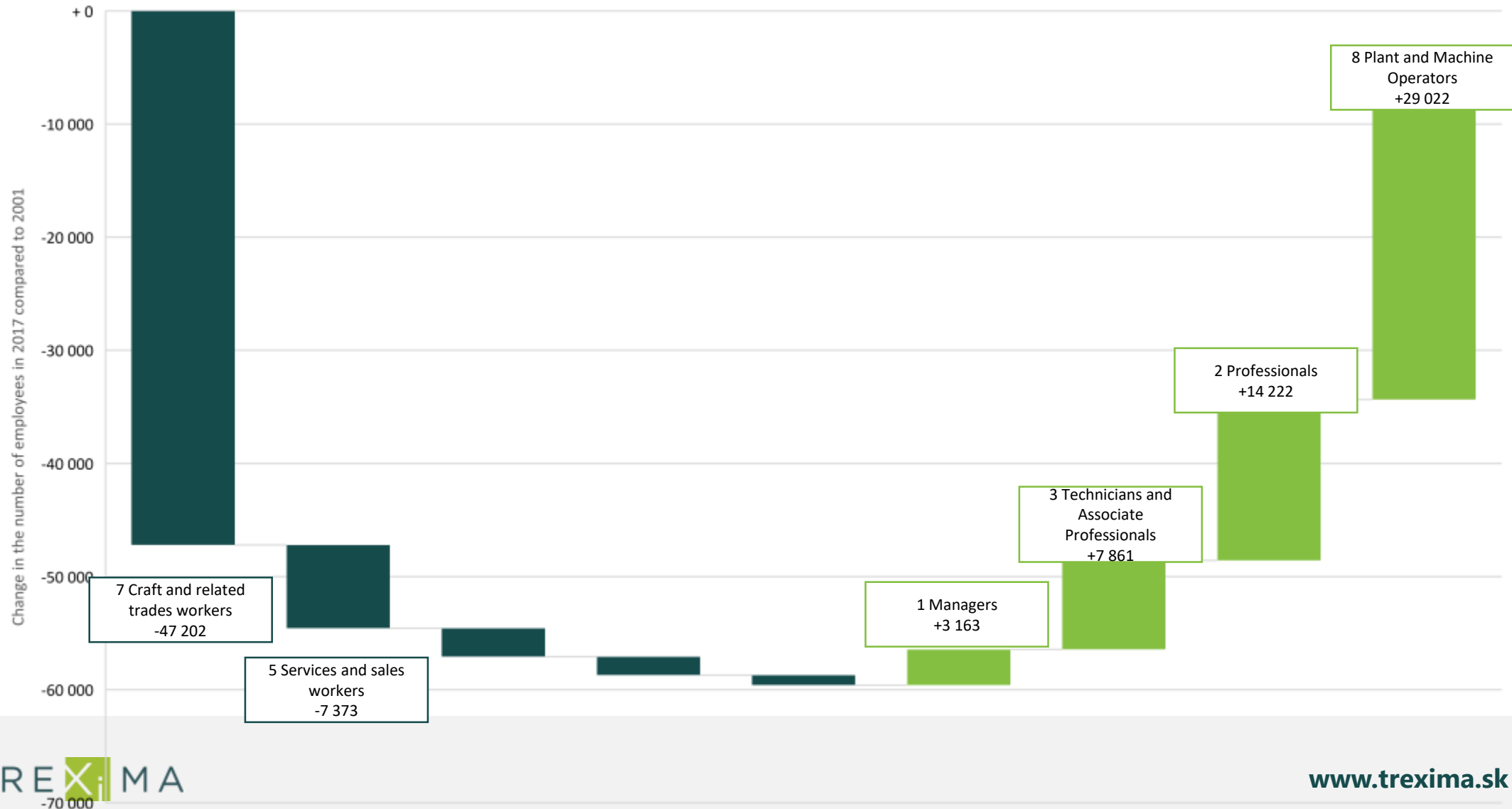
2018



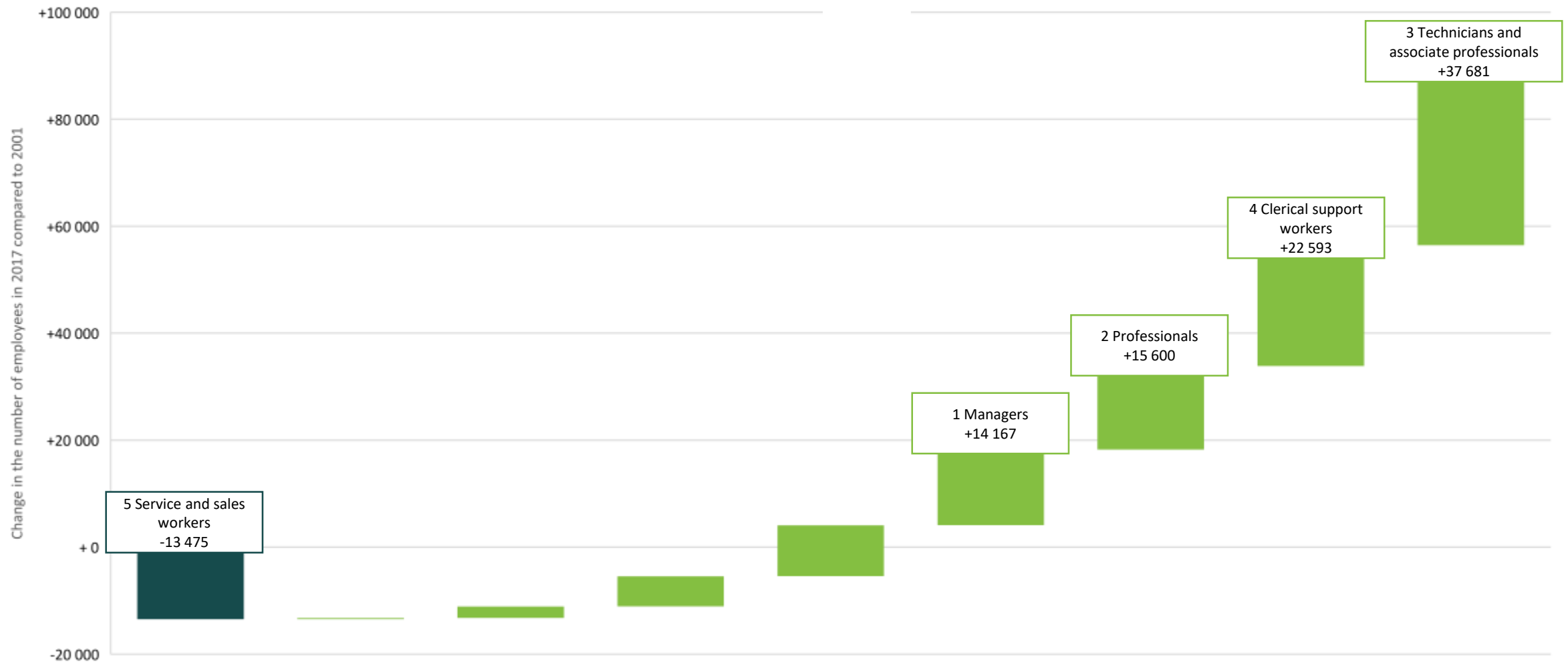
STRUCTURAL CHANGE FROM MINING, AGGRICULTURE AND MANUFACTURING TO SERVICES



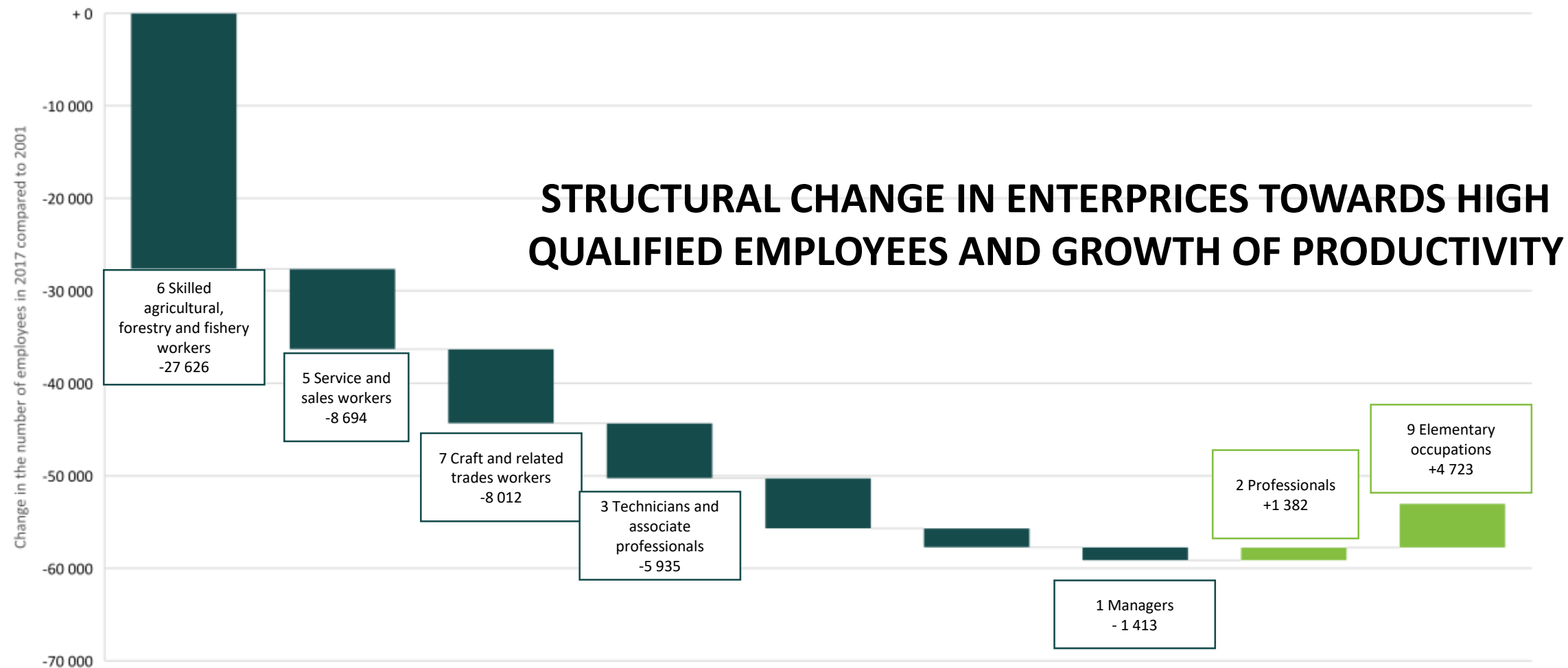
THE DEMAND FOR LOW AND HIGH SKILLED PEOPLE IS RISING IN MANUFACTURING



NUMBER OF SERVICE AND SALES WORKERS IS DECREASING, WHILE DEMAND FOR HIGH QUALIFIED EMPLOYEES IS INCREASING



INCREASED DEMAND FOR HIGH QUALIFIED EMPLOYEES CAN BE SEEN ALSO IN AGRICULTURE



HIGHEST EMPLOYMENT RECORDED NOT DESPITE, BUT THANKS TO TECHNOLOGIES

THE EDUCATION SYSTEM WILL PLAY A KEY ROLE IN
INCOMING CHANGES

THE QUALITY OF EDUCATION SYSTEM AND THE
QUALITY OF SCHOOLS CAN BE AT MOST THAT OF
THE QUALITY OF TEACHERS

THEY ARE THE BLOOD AND ENGINE OF THE EDUCATION SYSTEM

INVESTMENT IN TEACHERS IS AN INVESTMENT,
NOT A COST

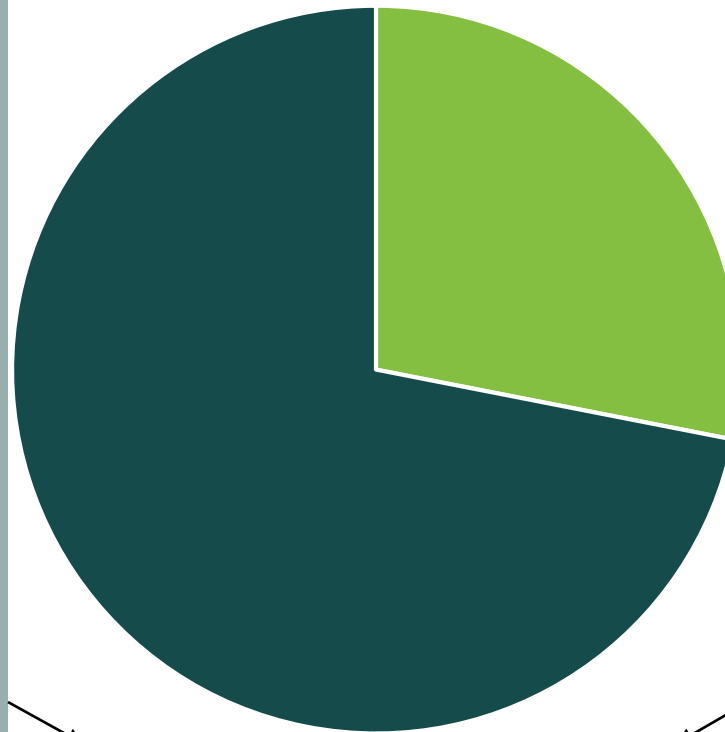


LABOUR MARKET NEEDS FOR 2018 - 2023

Labour market needs as a result of labour replacement (Replacement demand)

70 %

- ✓ Stochastic models
- ✓ Estimating the labour market exit probability in occupations, sectors and regions according to age and gender



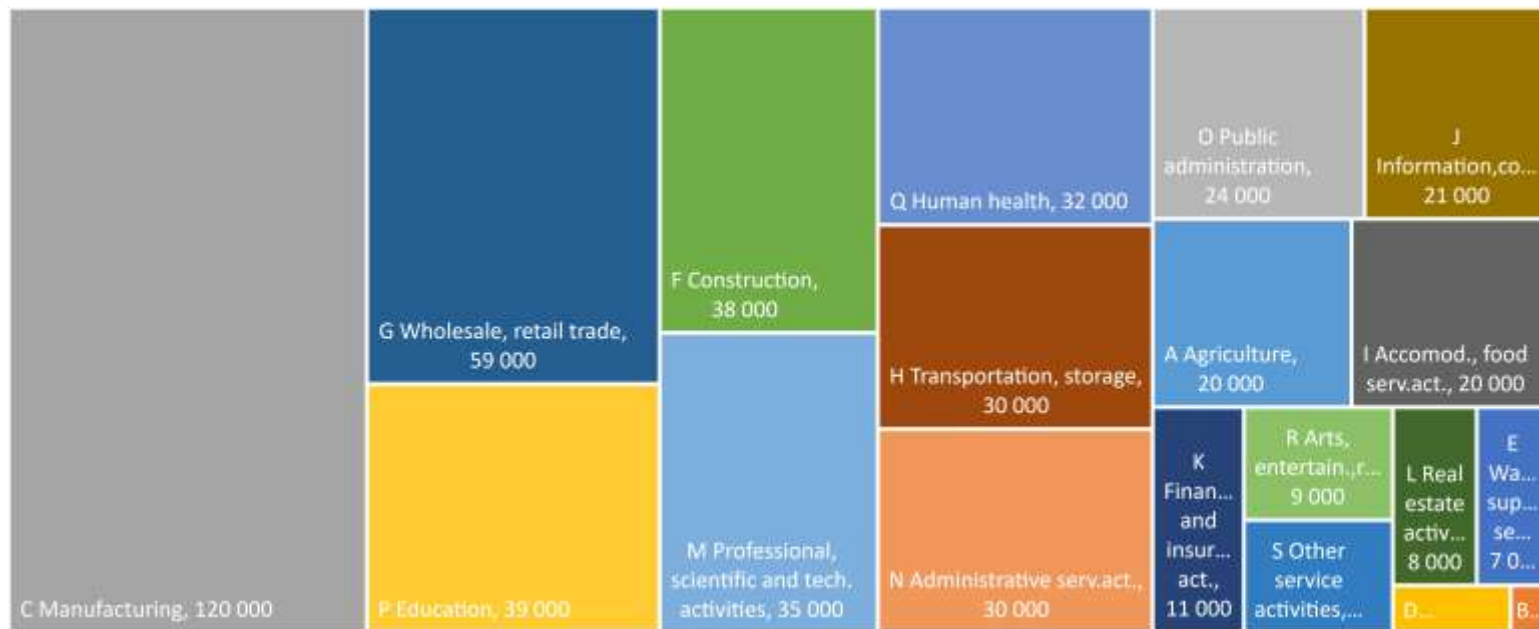
Labour market needs as a result of economic development (Expansion demand)

30 %

- ✓ Econometric models (development from 2001)
- ✓ Field surveys on expected development:
 - enterprises
 - self employed
 - investments
 - students
- ✓ Official macroeconomic forecasts of the Ministry of Finance
- ✓ Soft data from sector experts

Labour market needs
ISCO-08
NACE Rev. 2
NUTS3
KOV

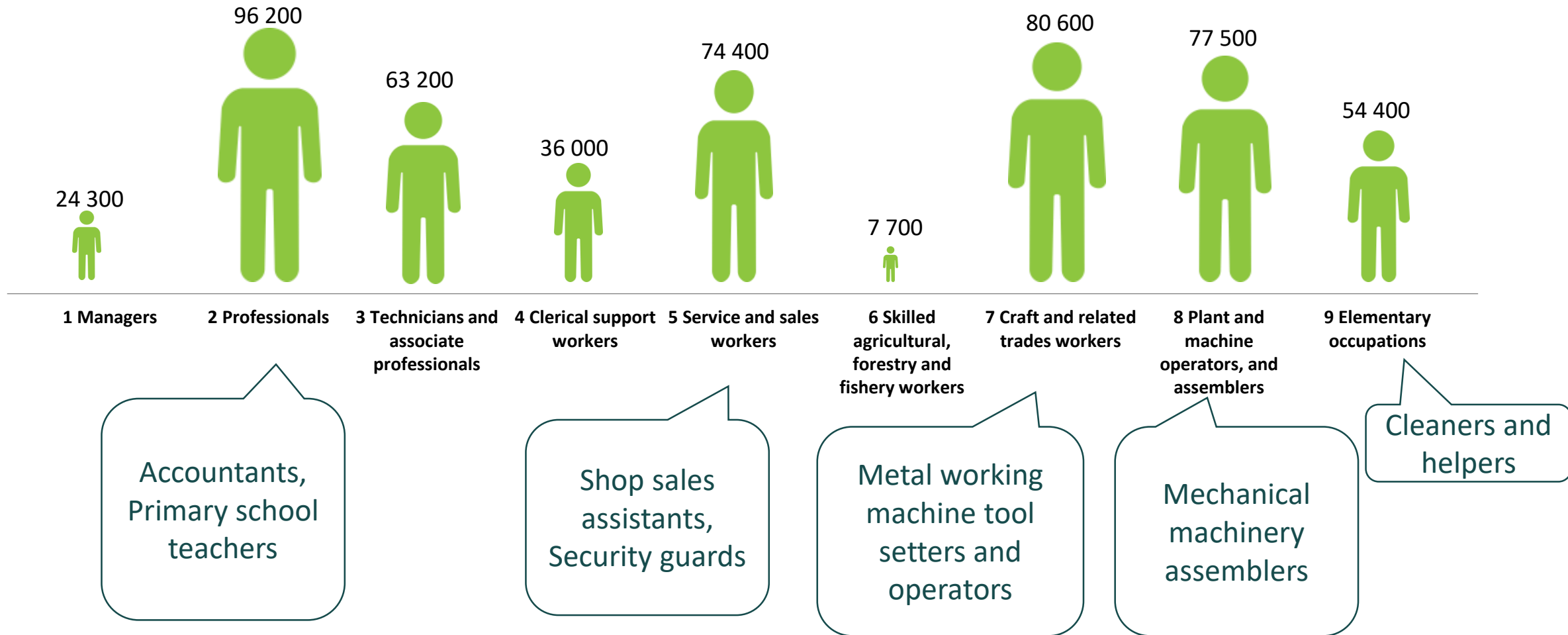
Domestic labour force will not be sufficient to meet the demand



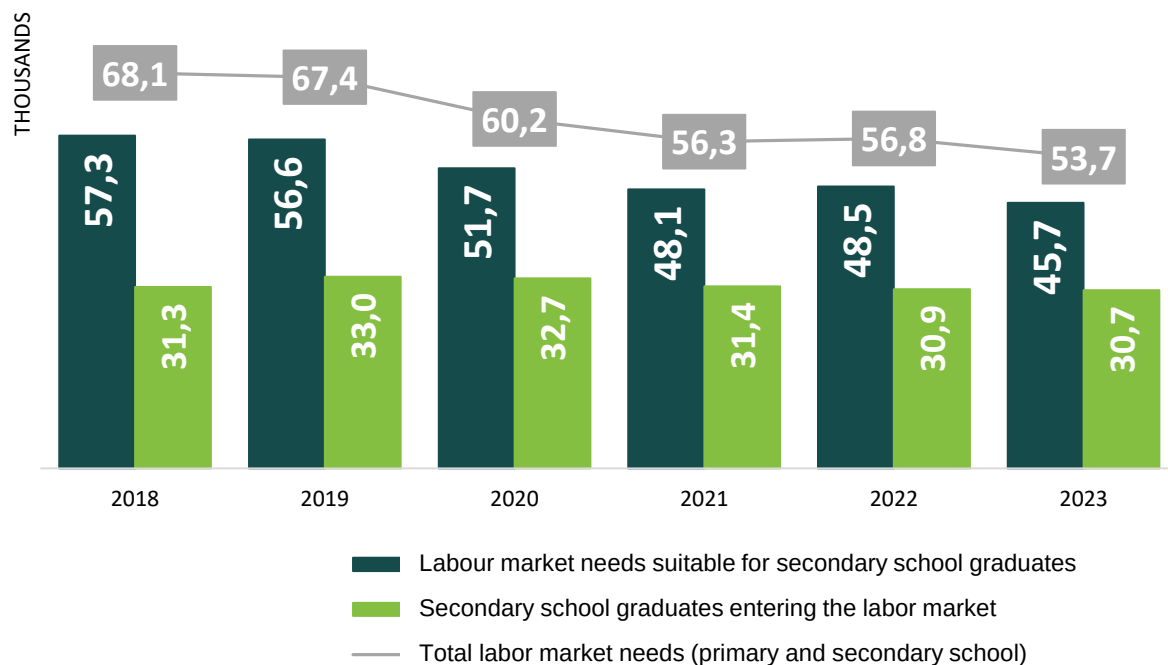
It is necessary to harmonize the structure of education system with labor market needs!



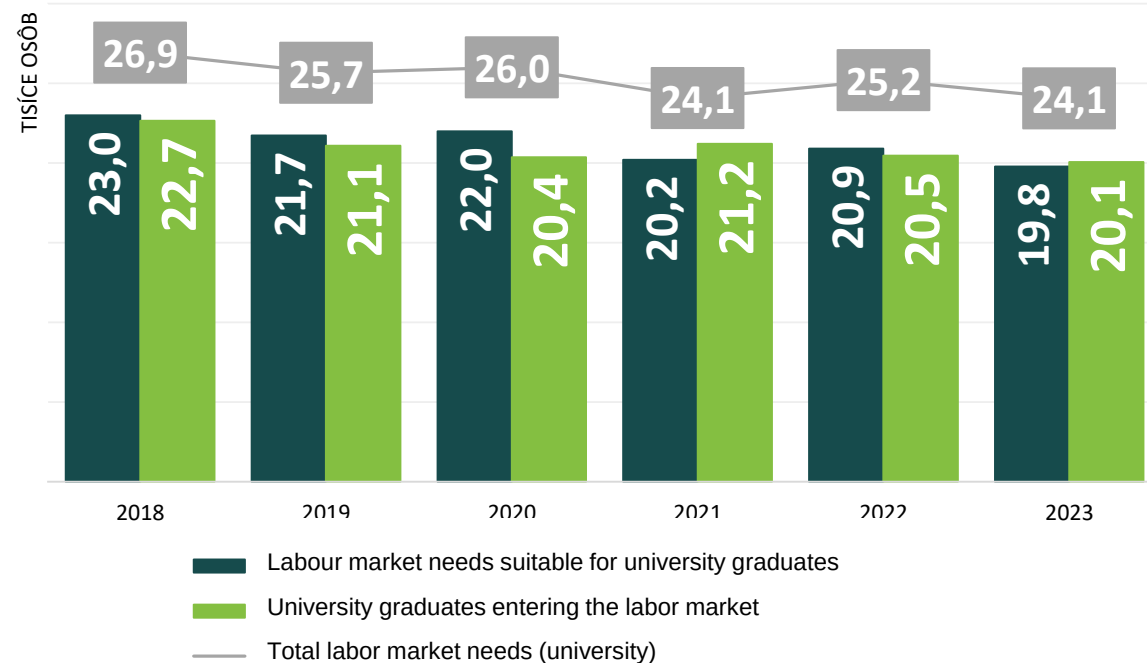
BY 2023, DEMAND FOR PROFESSIONALS, SKILLED WORKERS AND OPERATORS WILL PREVAIL



THE BIGGEST SHORTAGE OF SECONDARY SCHOOL GRADUATES IS EXPECTED

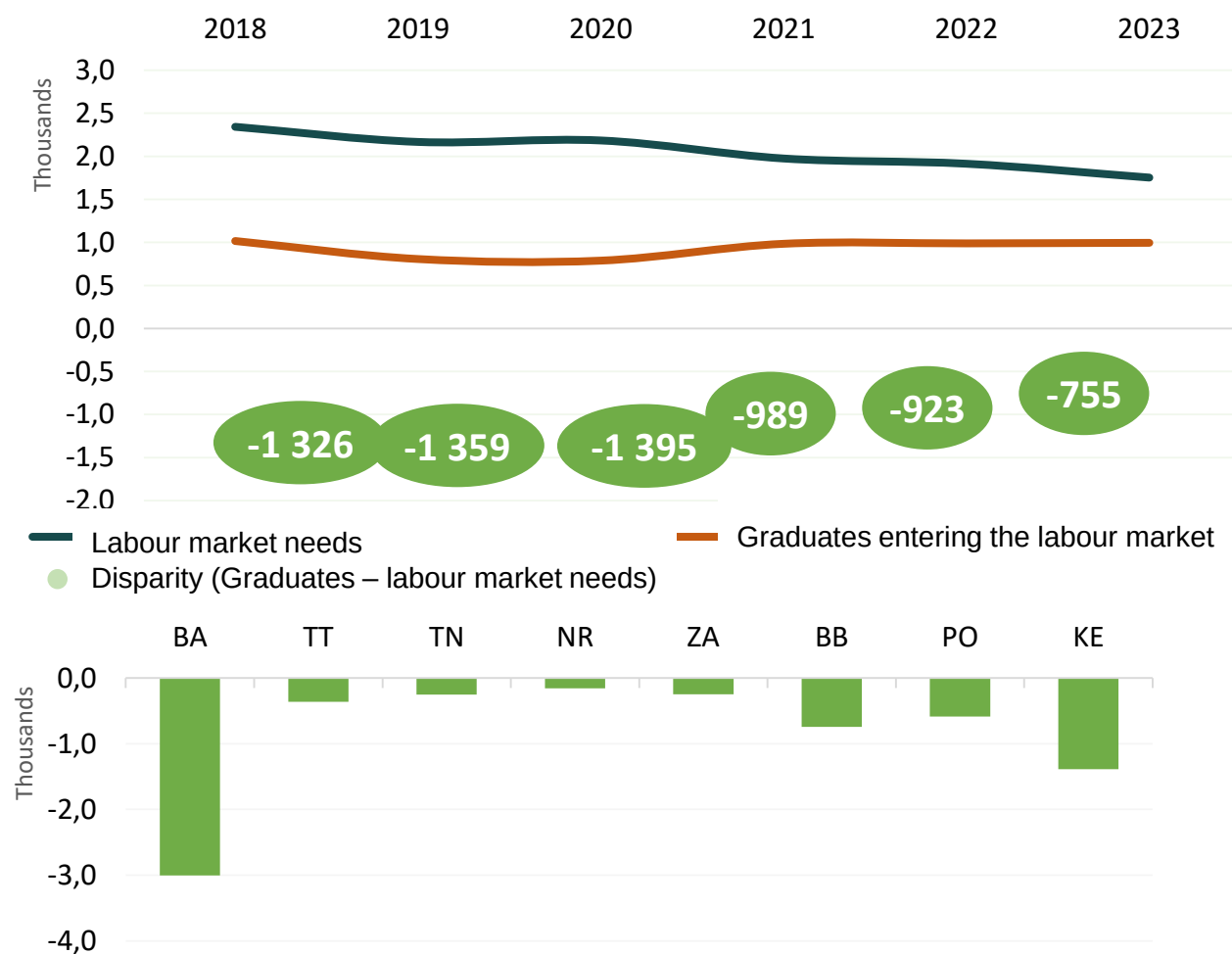


On average 19 000 of secondary school graduates will be missing every year.



LACK OF LABOUR FORCE – UNIVERSITY

Informatics (University)

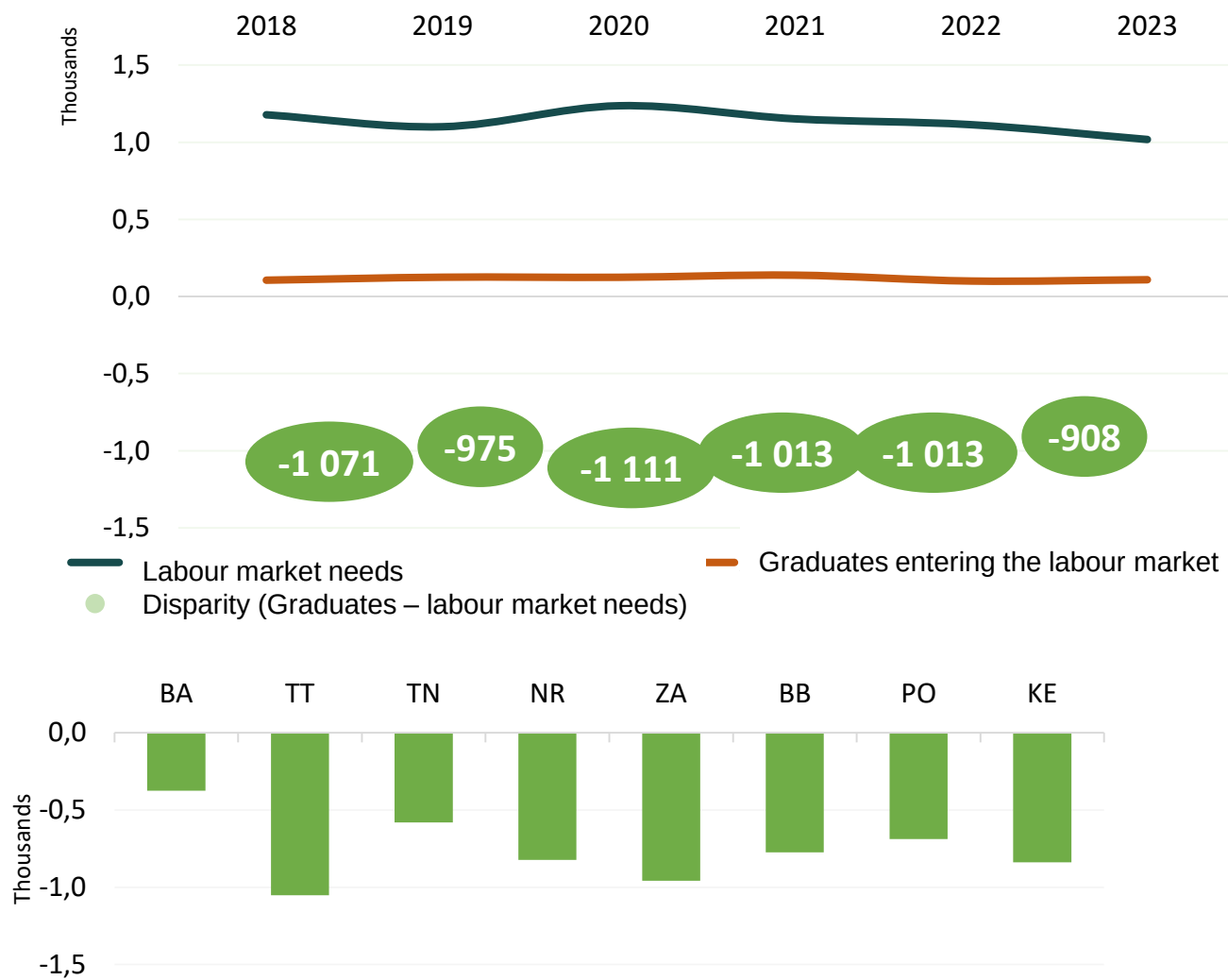


Zhluk odborov vzdelania – Špecialisti v oblasti IT:

- Informatika
- Aplikovaná informatika
- Softvérové inžinierstvo
- Počítačové inžinierstvo
- a pod.

LACK OF LABOUR FORCE – UNIVERSITY

Accounting and auditing (University)

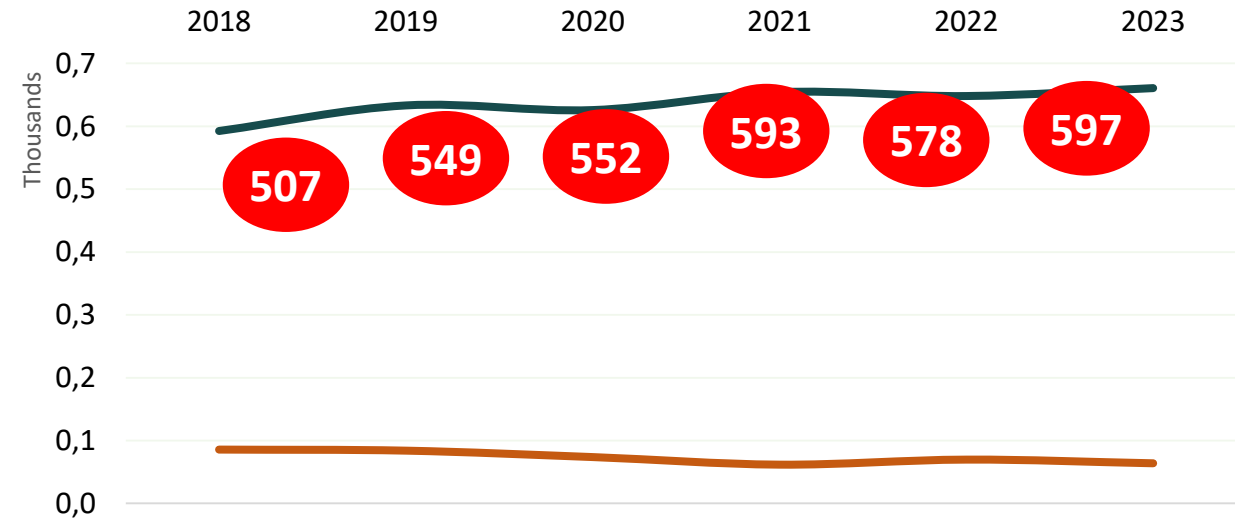


Zhluk odborov vzdelania – Účtovníctvo a audítorstvo (VŠ):

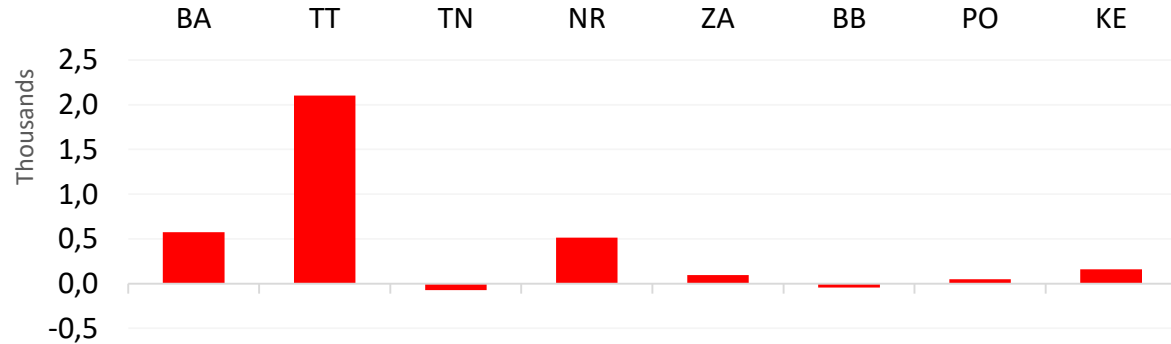
- Účtovníctvo
- a pod.

SURPLUS OF LABOUR FORCE – UNIVERSITY

Journalism and mass media communication



— Labour market needs — Graduates entering the labour market
● Disparity (Graduates – labour market needs)

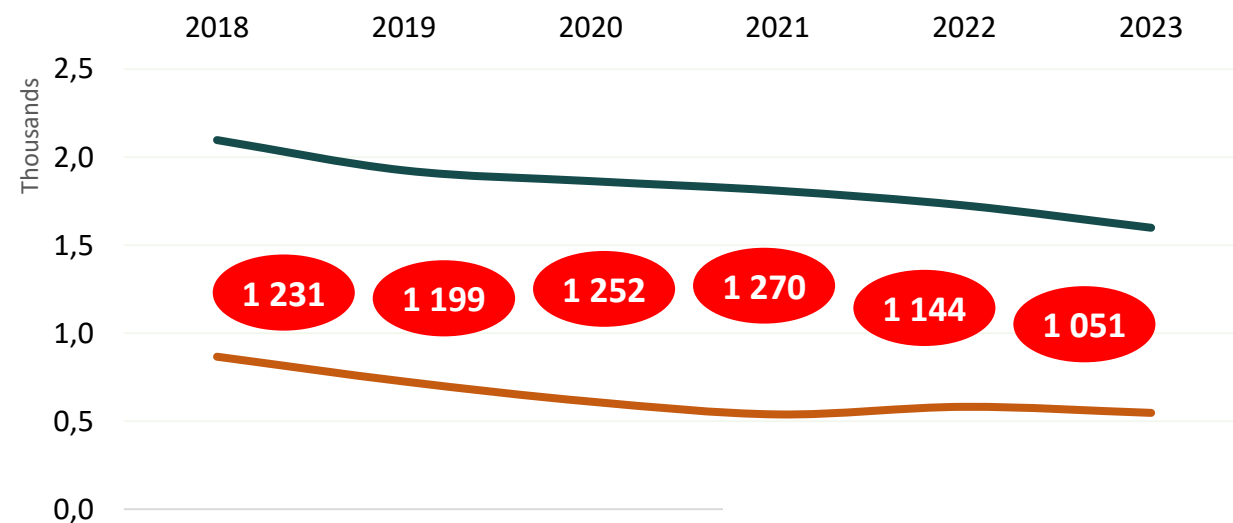


Zhluk odborov vzdelania – Žurnalistika a masmediálna komunikácia (VŠ):

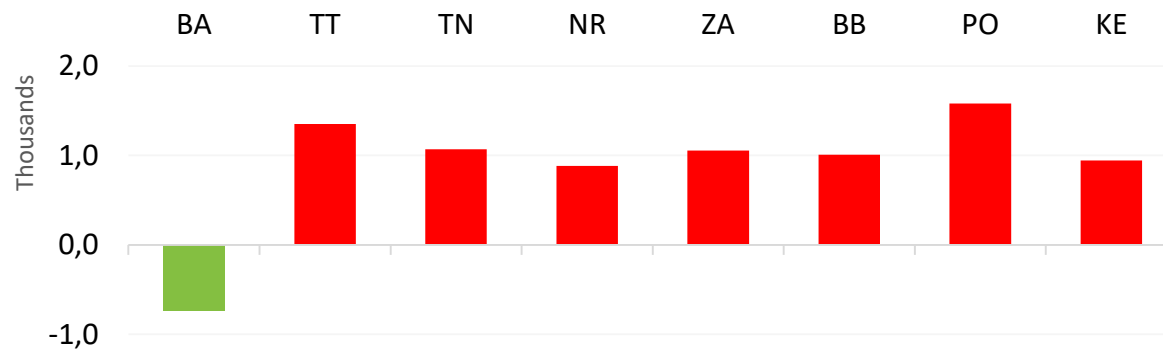
- Masmediálne štúdiá
- Žurnalistika
- a pod.

SURPLUS OF LABOUR FORCE – HIGH SCHOOL

Tourism workers



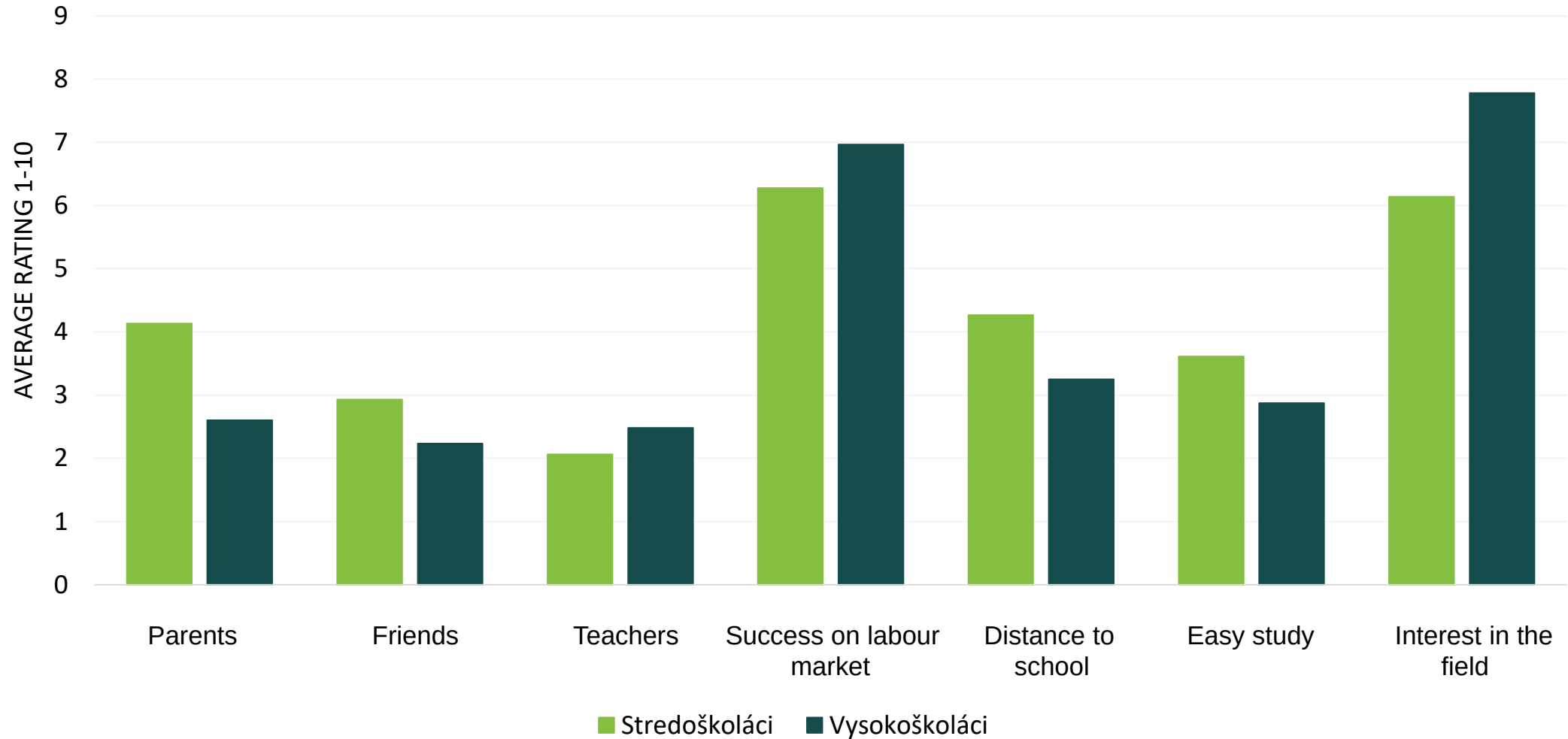
— Labour market needs — Graduates entering the labour market
● Disparity (Graduates – labour market needs)



Zhluk odborov vzdelania – Pracovníci v oblasti cestovného ruchu:

- Hotelová akadémia
- Služby v cestovnom ruchu
- Cestovný ruch
- a pod.

Factors in Choosing Educational Path



*I want to work in
the field of study*

91 % college students want to work in the field

76 % high school students want to work in the
field





General Medicine
Logopaedia
Psychology

Physiotherapist
General Nurse
Medical Assistant
Medical Laboratory Technician
Dental Assistant



Software Engineering
Computer Engineering
Informatics
Cybernetics
Applied Informatics

Computer Systems



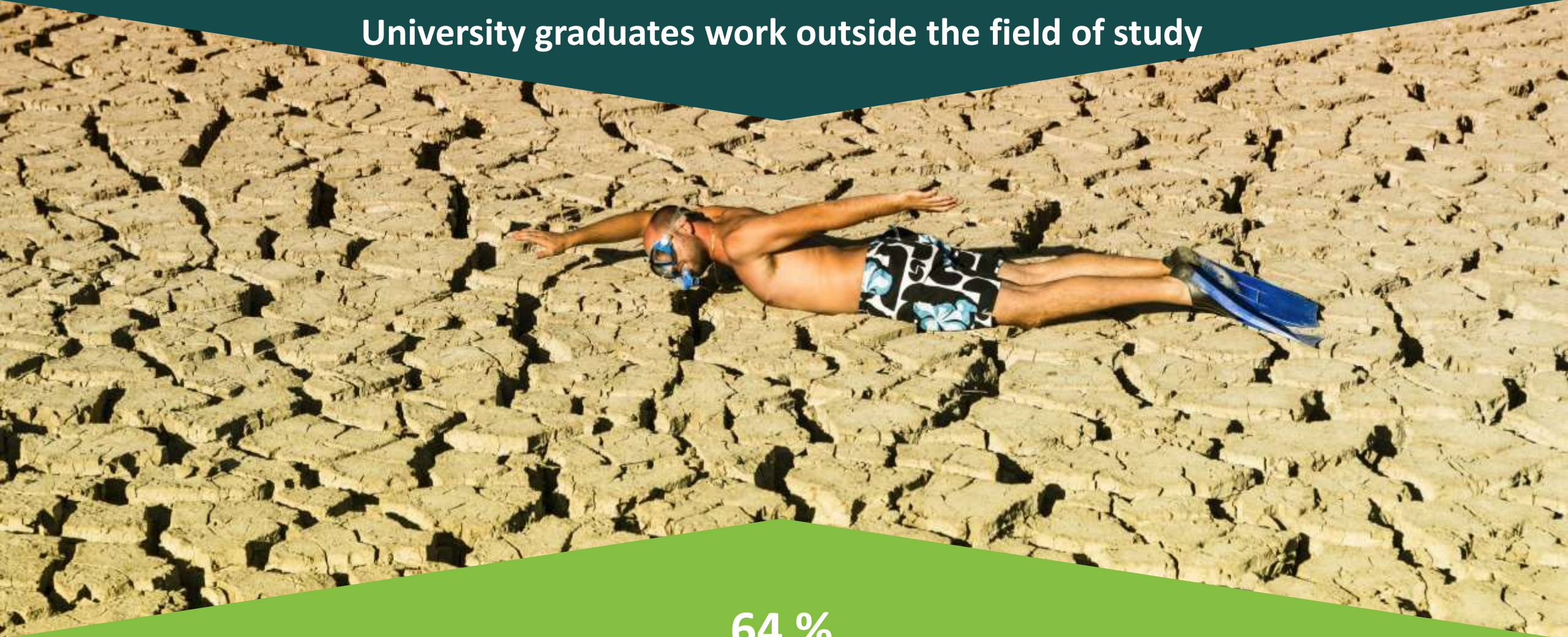
Electrical Engineering
Engineering Design
Construction
Hydraulic Systems

Electrical Engineering
Mechanic Repairman
Machine Setter
Machine Mechanic
Metal Worker
Machine Engineer
Tool Maker



54 %

University graduates work outside the field of study



64 %

High school graduates work outside the field of study



Tourism
Philosophy
Sociology
Ethnology
Adult Education

Tourism Management
Preservation
Hotel Academy
Rural Tourism



Agriculture
Landscaping
Agricultural and
Forestry Technology
Nutrition
Livestock Production

Gardener
Forestry Production
Rural Tourism
Agricultural Production
Agricultural Economics



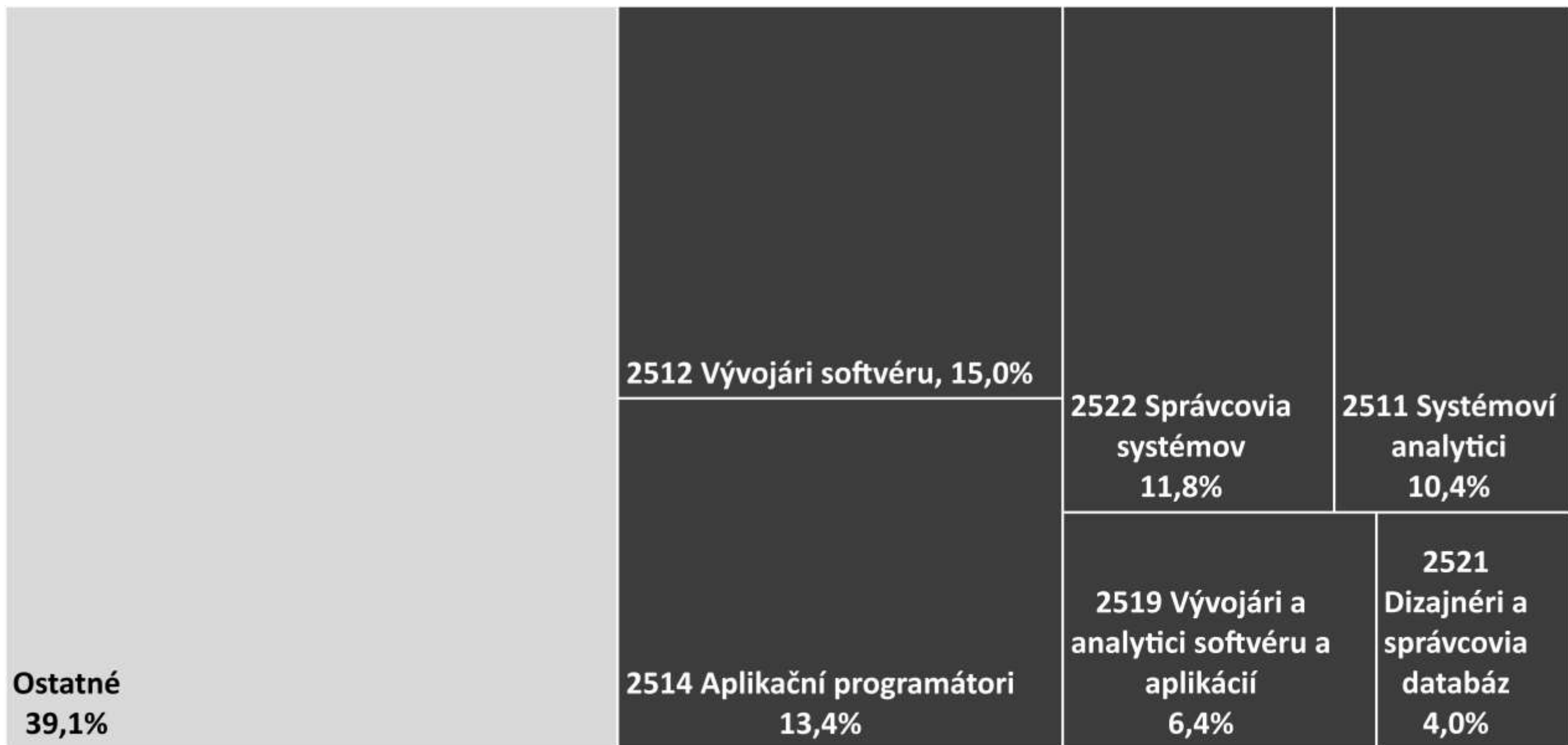
Esthetics
Visual Arts
Cultural Studies

Animation
Promotional Art
Graphic Design
Clothing Design
Goldsmith and Jeweller
Photographic Design

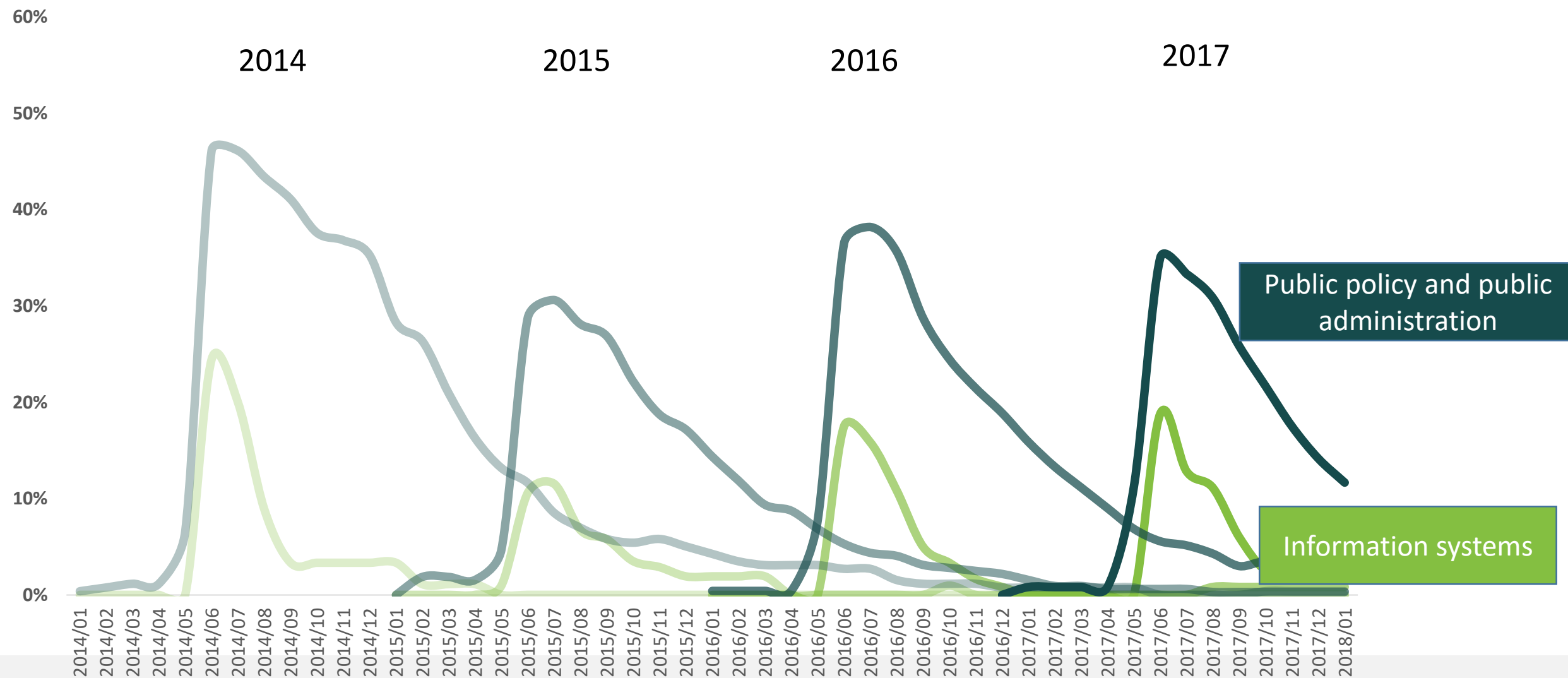
What are general secondary school graduates doing?

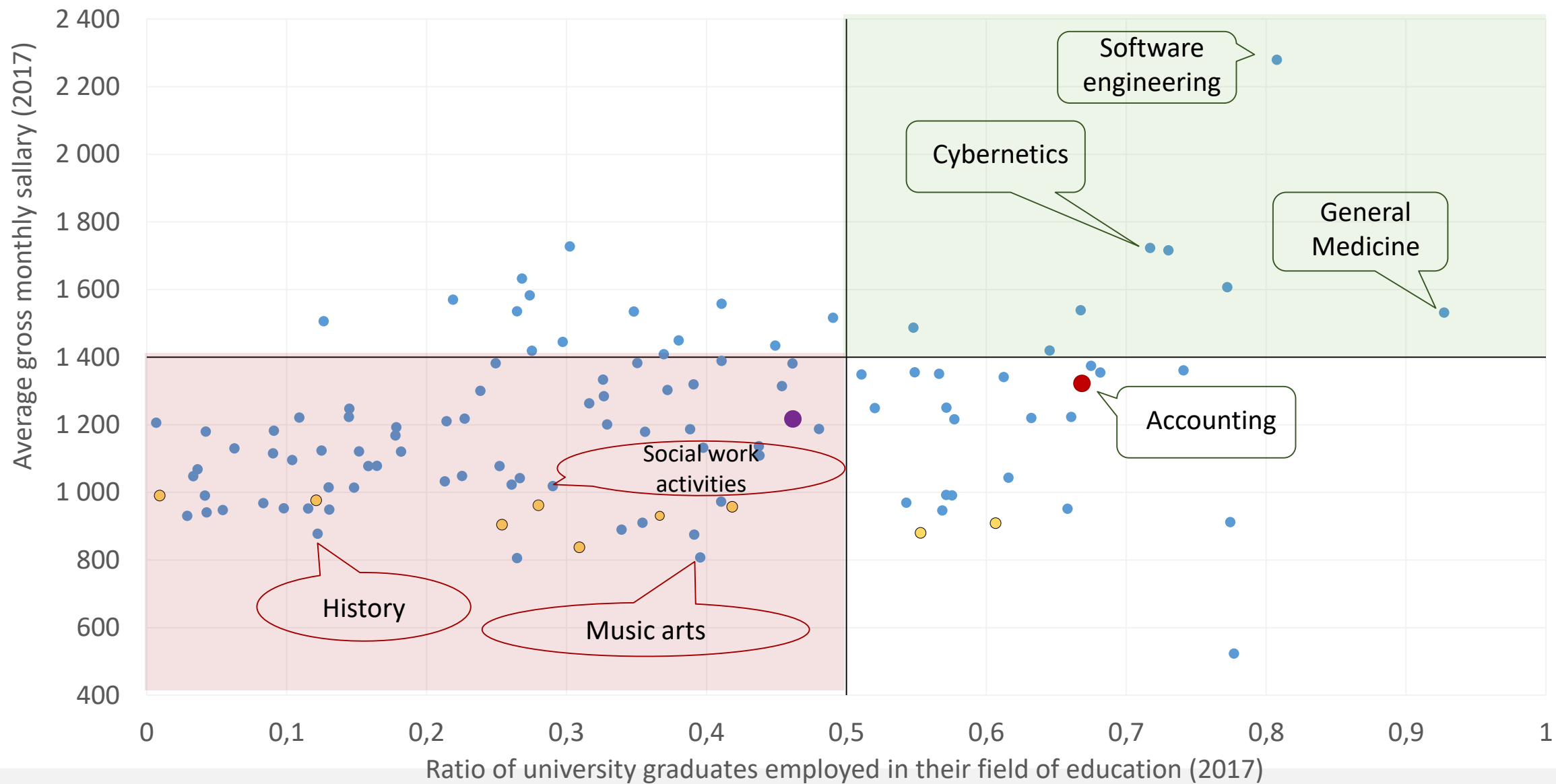


Where graduates of computer science find their employment?



Secondary school graduates are being able to find a job quicker



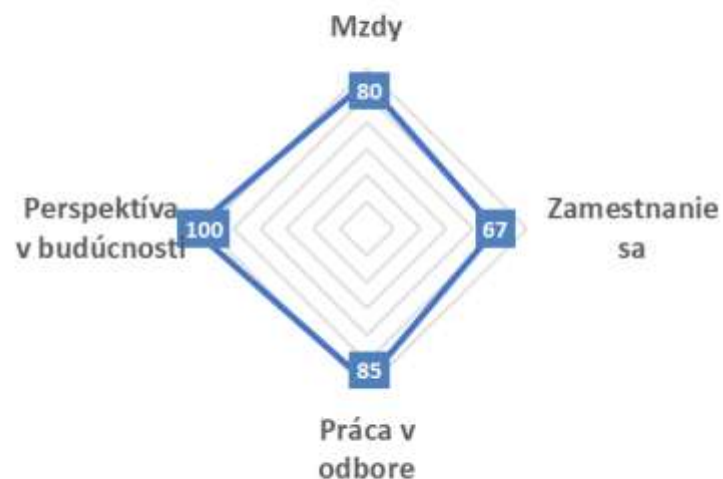




What to do
with data?

2511t Aplikovaná informatika

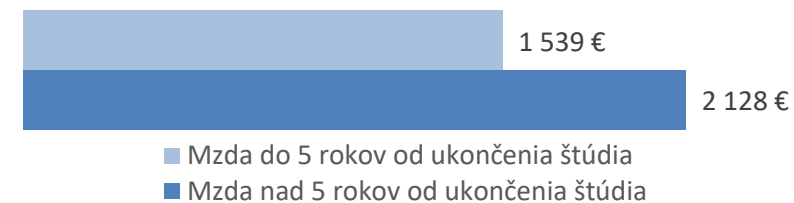
Celkové uplatnenie
absolventov



Škála hodnôt 0 - 100, kde hodnota vyjadruje podiel absolventov s horším uplatnením.

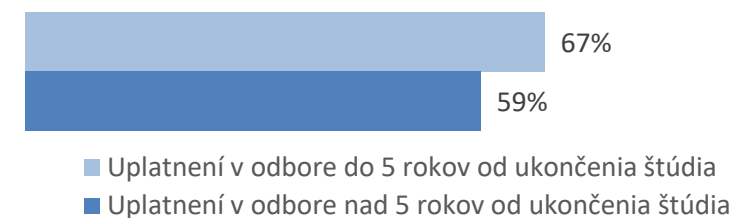
Average salary in the field
of education in 2017

1 697 €



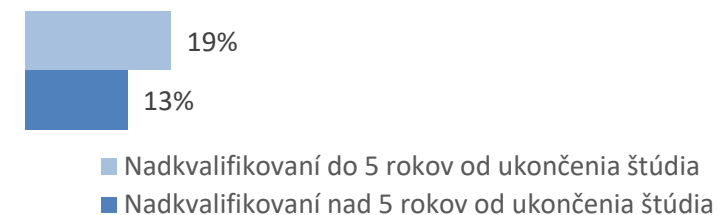
64%

Graduates who found
employment in their field of
education



17%

Over-qualified
graduates



3 mesiace od ukončenia štúdia

14%

6 mesiacov od ukončenia štúdia

6%

12 mesiacov od ukončenia štúdia

2%

24 mesiacov od ukončenia štúdia



UPLATNENIE ABSOLVENTOV

TRENDY TRHU PRÁCE



ZOBERTE SVOJU BUDÚCNOSŤ
DO VLASTNÝCH RÚK A OPRITE SA O

NAŠE DÁTA

UPLATNENIE ABSOLVENTOV

Chceš sa uplatniť na trhu práce?
Klikni sem a zvoľ si správne svoje štúdium.

 SK TRENDY REGIO TRENDY MOJE TRENDY

TRENDY TRHU PRÁCE

Zaujíma ťa budúcnosť na trhu práce?
Klikni sem a zorientuj sa.

 SK TRENDY REGIO TRENDY MOJE TRENDY

SK
TRENDYREGIO
TRENDYMOJE
TRENDY

STREDNÁ ŠKOLA

VYSOKÁ ŠKOLA

Región:

Košícký kraj

Pracovná oblasť:

- ☐ Poľnohospodárske vedy
- ☒ Spoločenské vedy
- ☐ Technické vedy
- ☐ Zdravotnícke vedy

Odbor vzdelania:

Kuchár

Possibility to change the settings and view the results according to users preferences.

Názov odboru vzdelania:

KUCHÁR

Stredné odborné vzdelanie s výučným listom

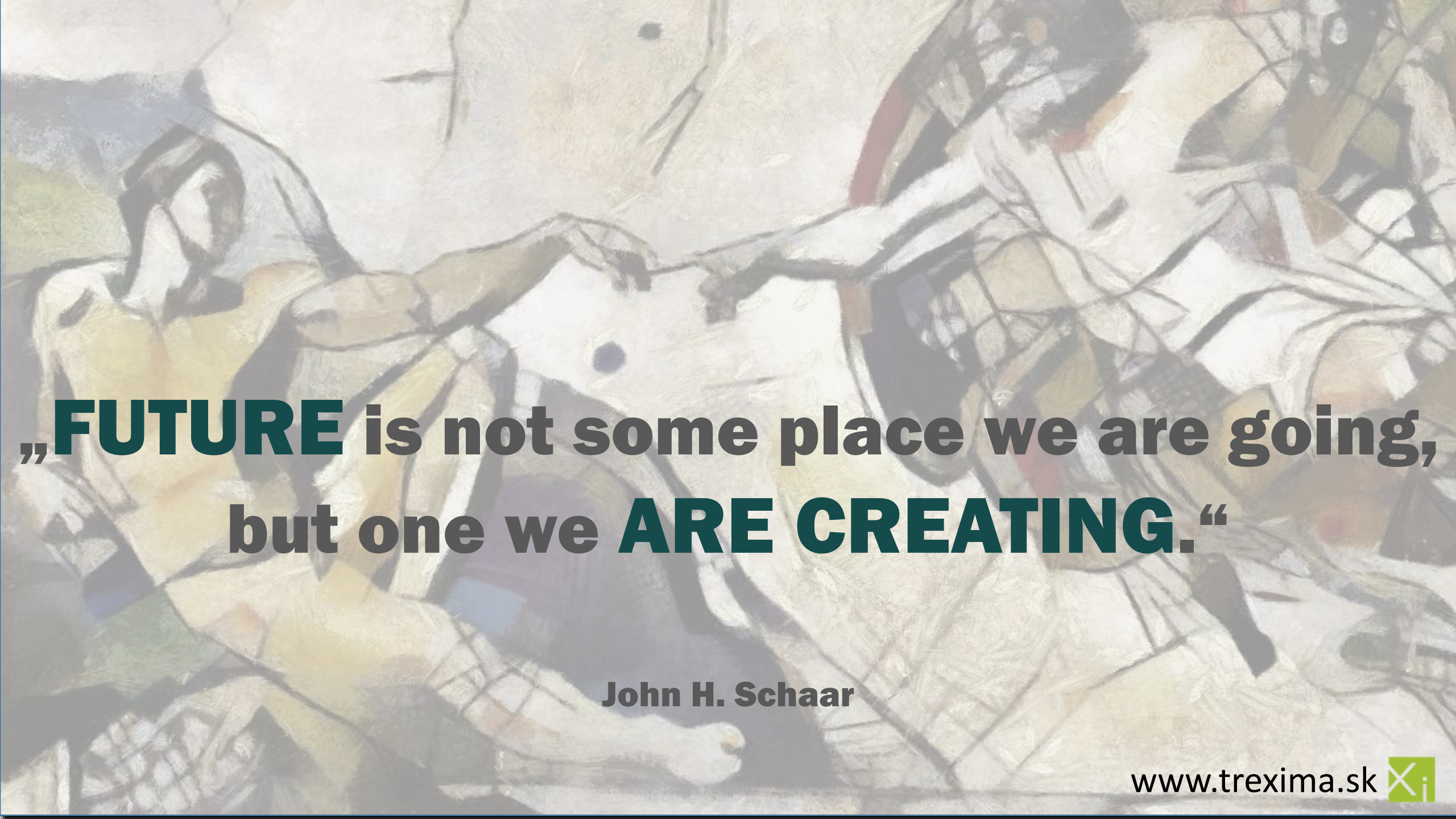
25
bodov zo 100

Perspektíva
v budúcnostiZamestnanie
saPráca v
odbornosti

Mzdy

Zobraziť
TOP 25

Uvedený odbor vzdelania získal celkové hodnotenie 25 bodov zo 100, čo znamená, že patrí medzi 25 % najmenej perspektívnych stredoškolských odborov vzdelania v Košickom kraji. Je to dané nižšími mzdami v porovnaní s ostatnými odbornosťami. V roku 2017 ukončilo daný odbor v Košickom kraji 81 absolventov a priemerná hrubá mesačná mzda absolventov bola v roku 2017 na úrovni 741 EUR.

An abstract painting in a cubist style, featuring two figures holding hands. The figures are composed of various geometric shapes and colors, including yellows, oranges, and greys. The background is a complex, layered composition of similar colors and lines, creating a sense of depth and movement. The overall tone is warm and textured.

„FUTURE is not some place we are going,
but one we **ARE CREATING.**“

John H. Schaar



Thank you for your attention

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