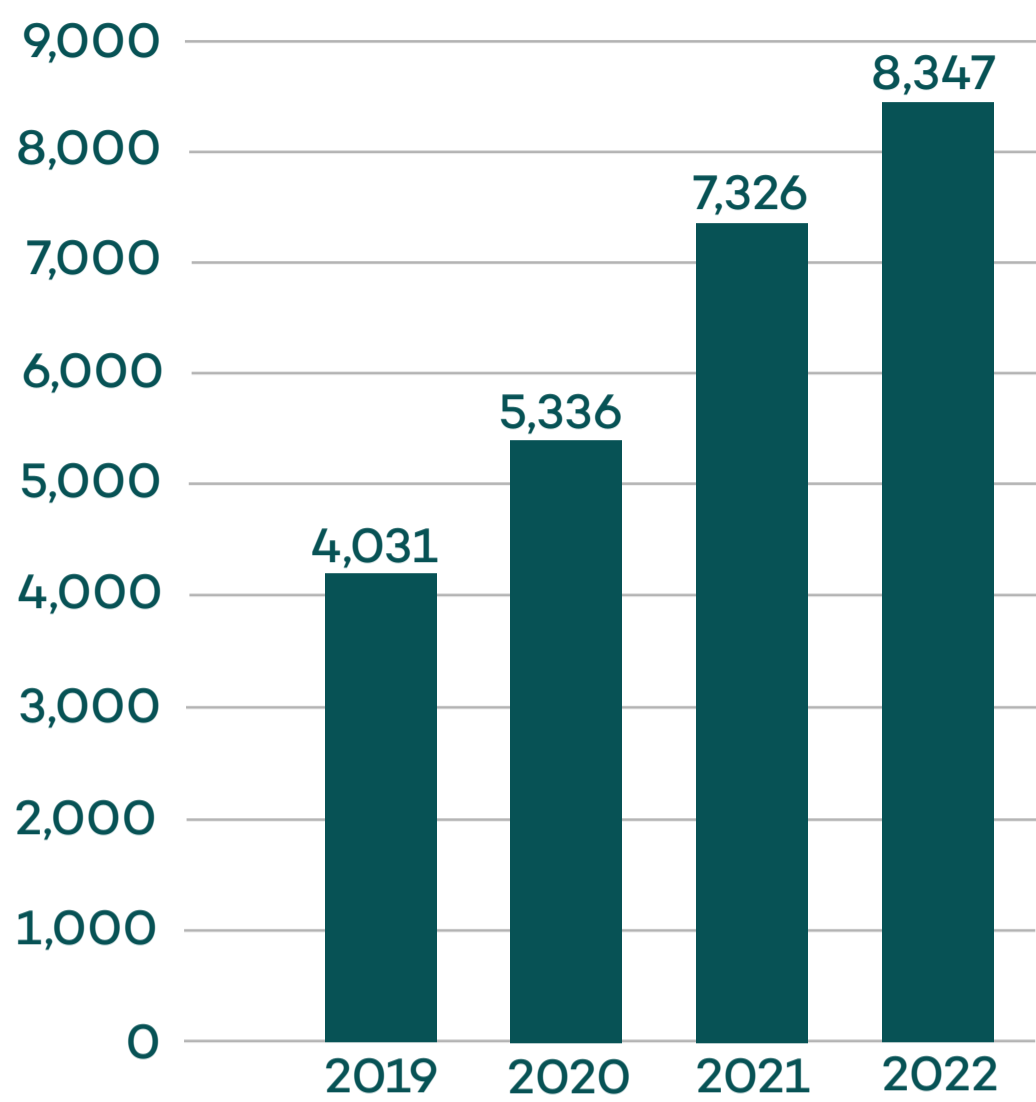


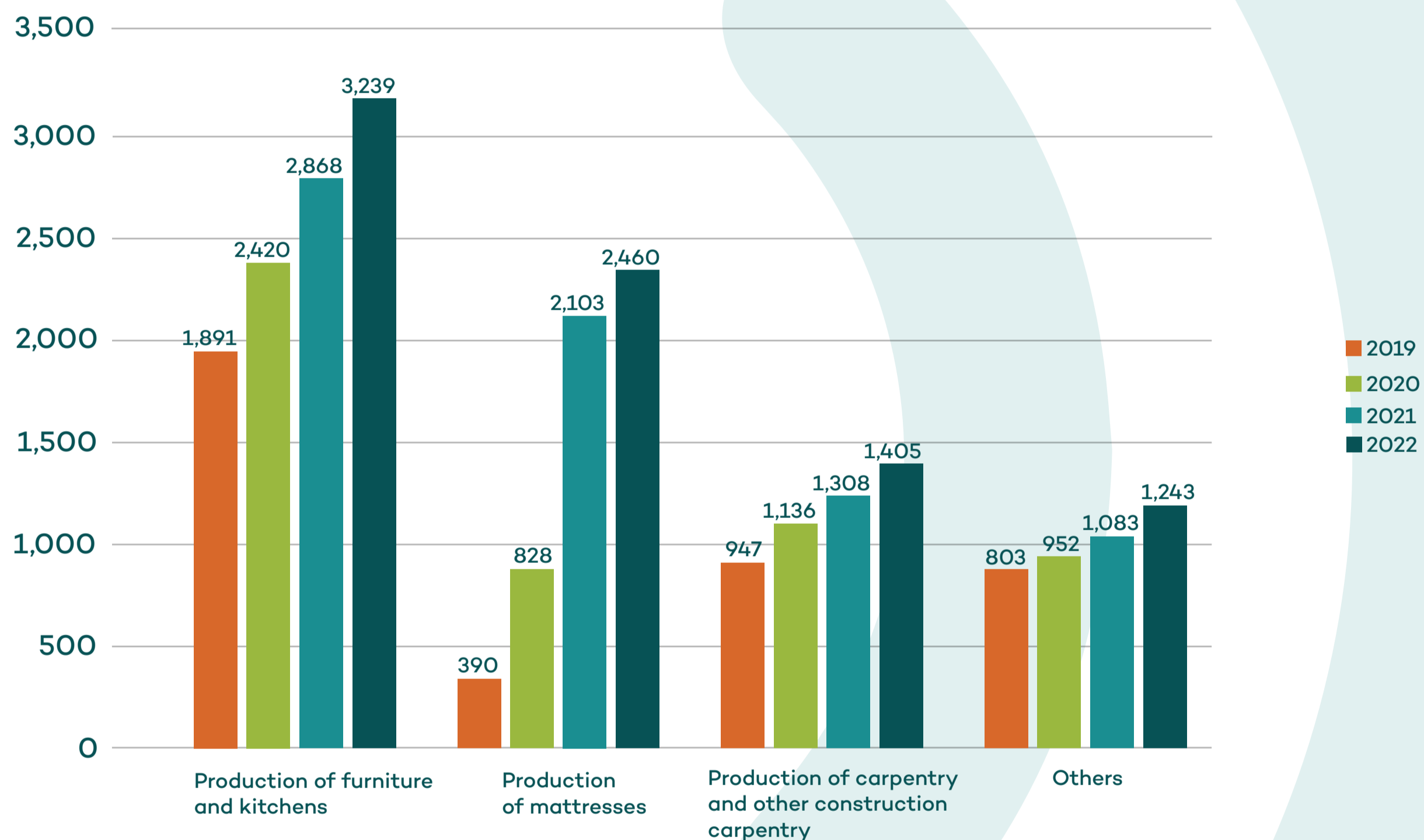
NUMBER OF EMPLOYEES IN THE WOOD PROCESSING SECTOR



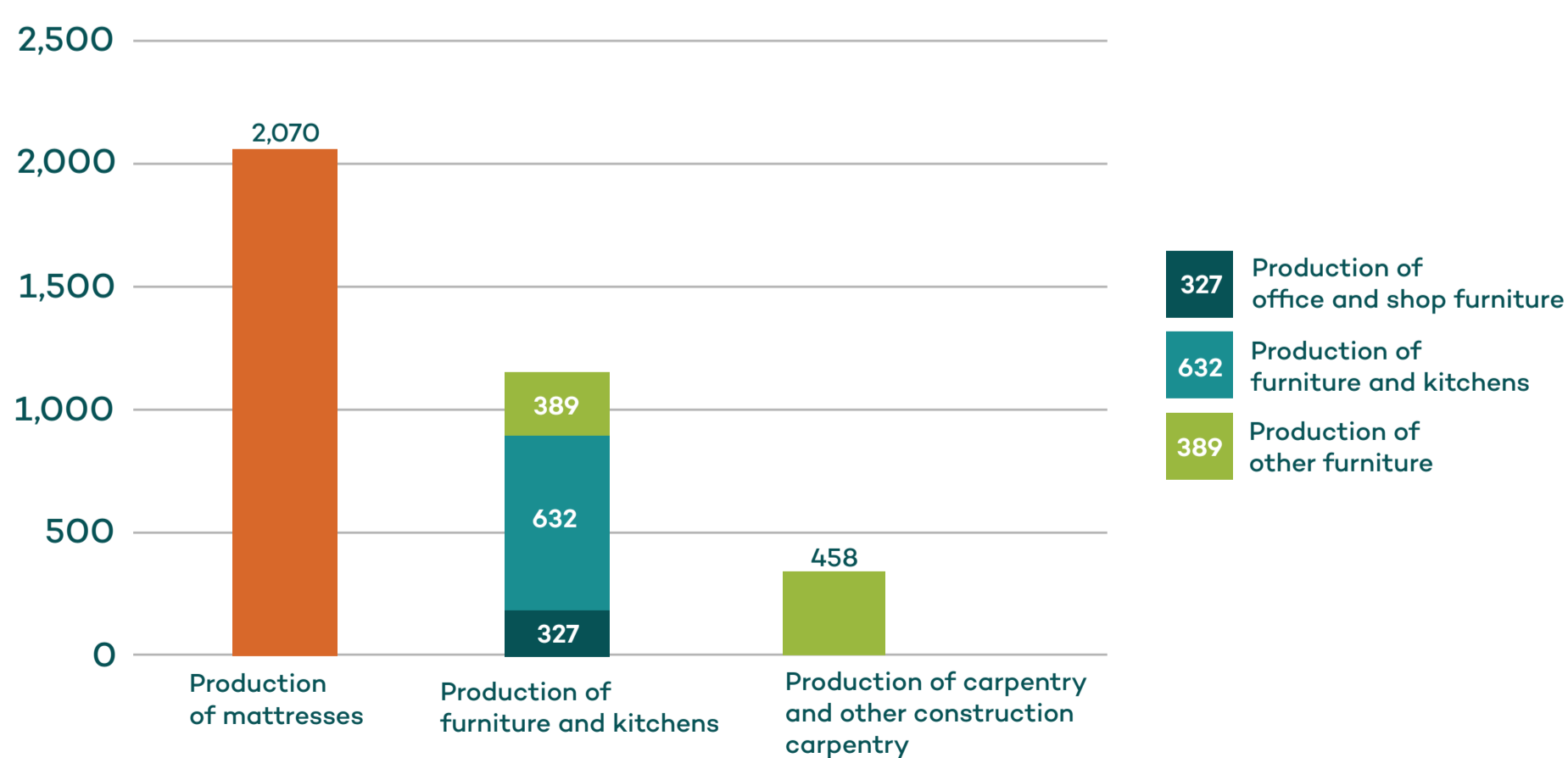
The increase in the number of employees in the **Wood Processing** sector during the period **2019 - 2022** is:

4,316

EMPLOYMENT BY SUB-ACTIVITIES



INCREASE IN NUMBER OF EMPLOYEES IN THE WOOD PROCESSING SECTOR FROM 2019-2022



Anecdotal Evidence...

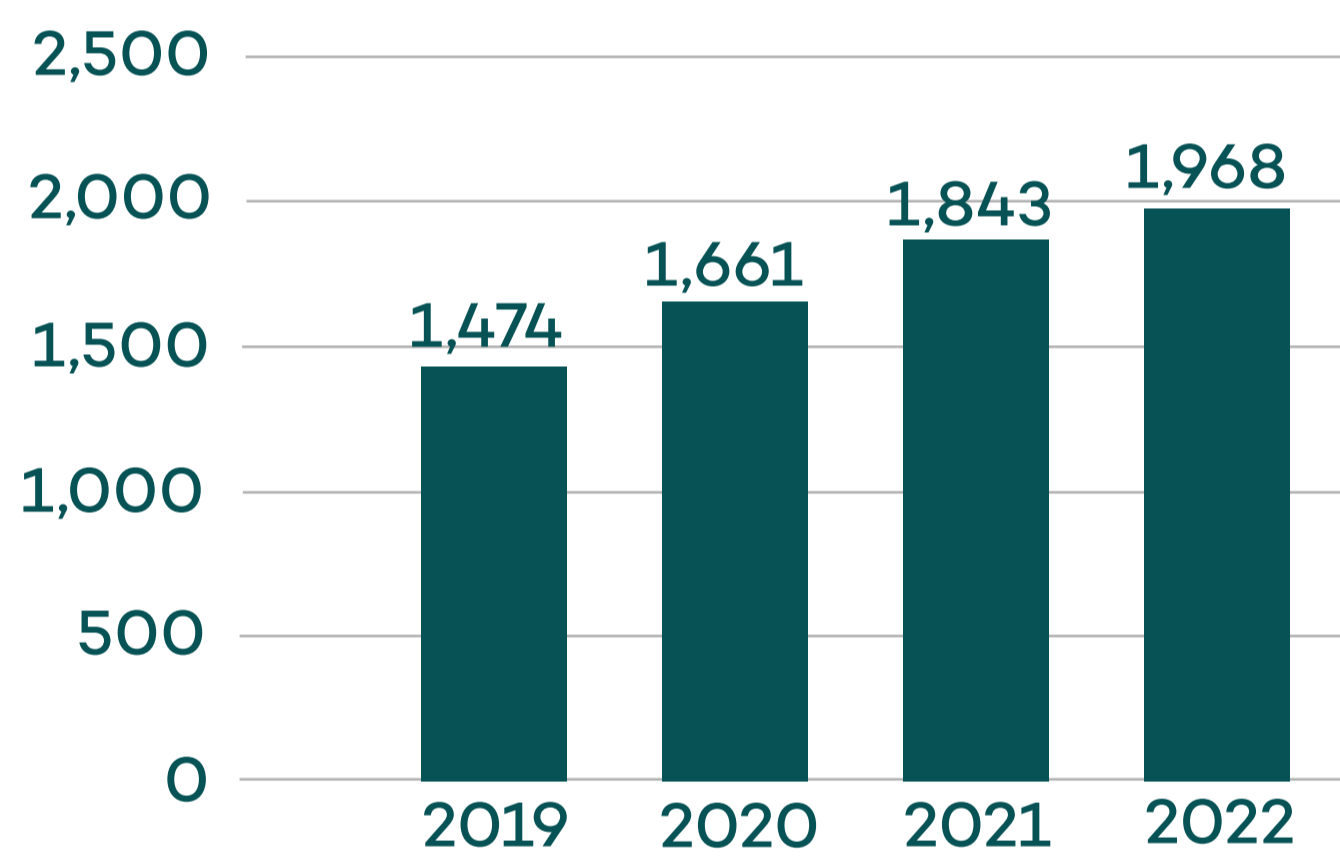
...The workforce gap in wood processing is around **1000-2000**.

Data source: TAK - Tax Administration of Kosovo

EMPLOYMENT IN WOOD PROCESSING BY SUB-ACTIVITIES

DESCRIPTION OF THE ACTIVITY	PROCESSING WORKERS			
	2019	2020	2021	2022
Wood sawing and carpentry	346	423	499	577
Production of veneer sheets and panels based on wood (furniture)	29	31	41	80
Production of floor parquet	4	8	10	12
Production of carpentry and other construction work	947	1,136	1,308	1,405
Production of wooden containers	24	39	40	63
Production of other wood products; production of articles from cork, straw and woven materials	400	451	493	511
Production of office and shop furniture	502	605	706	829
Production of kitchen furniture	686	930	1,104	1,318
Production of other furniture	703	885	1,058	1,092
Production of mattresses	390	828	2,103	2,460
TOTAL:	4,031	5,336	7,362	8,347

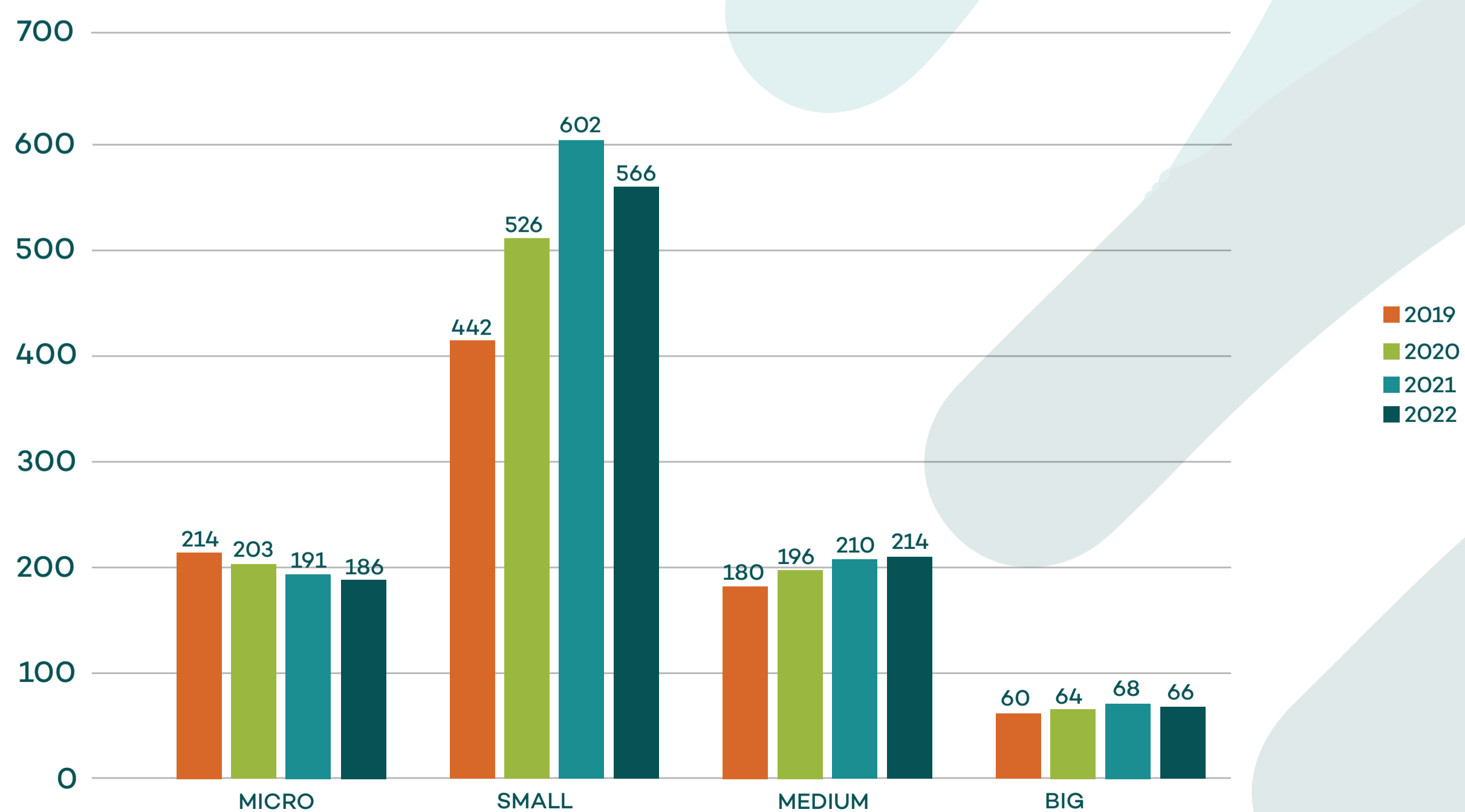
INCREASE IN THE NUMBER OF ACTIVE BUSINESSES 2019-2022



The number of active businesses has increased by **494**

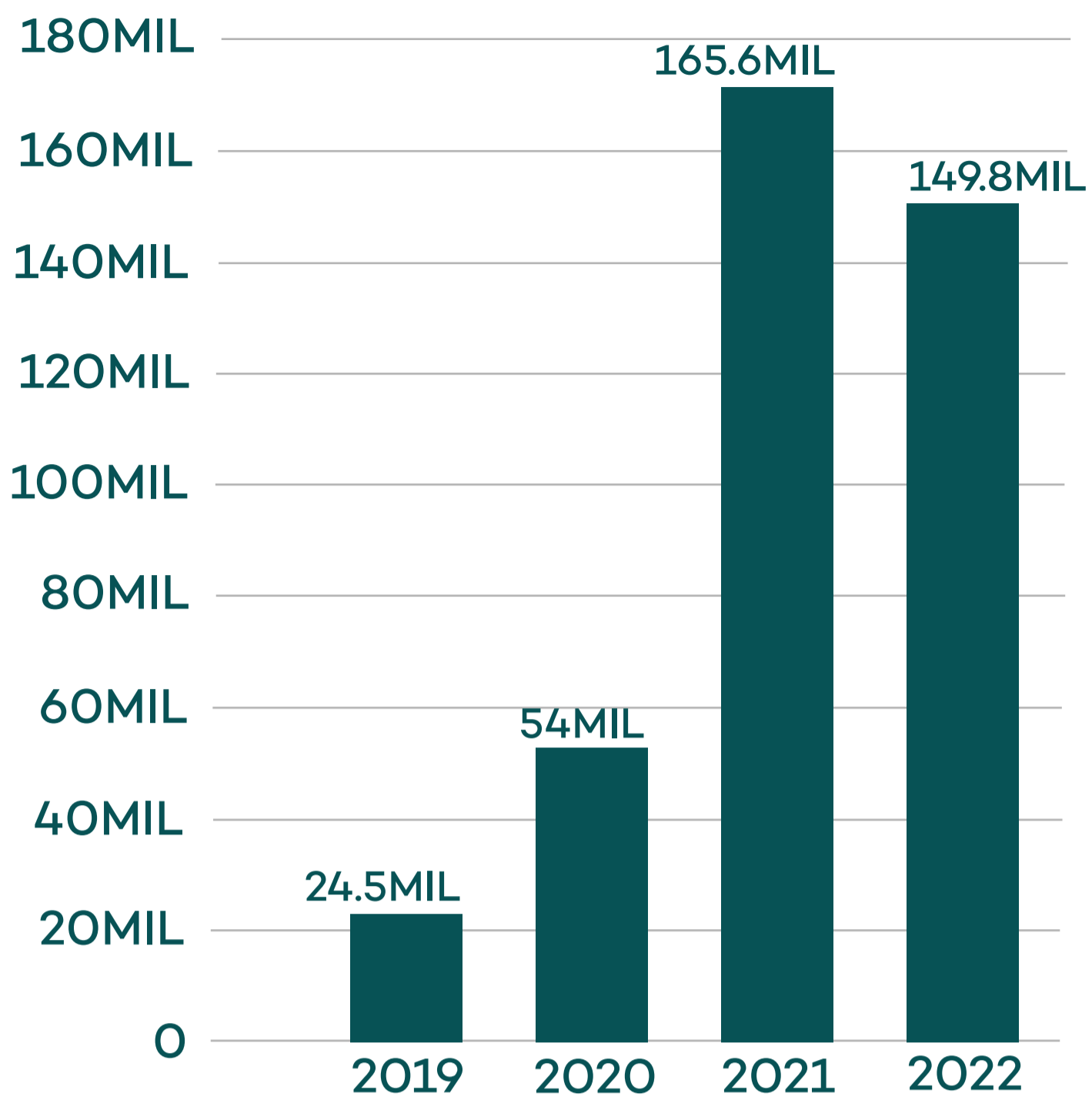
During the time period **2019-2022**

NUMBER OF ACTIVE COMPANIES BY SIZE



Data source:
TAK - Tax Administration of Kosovo

EXPORT



Data source: KAS - The Kosovo Agency of Statistics

Export in **Wood Processing** from 2019-2021 has increased by:

141.1 Mil

The export of **Mattresses** from 2019-2021 has increased by:

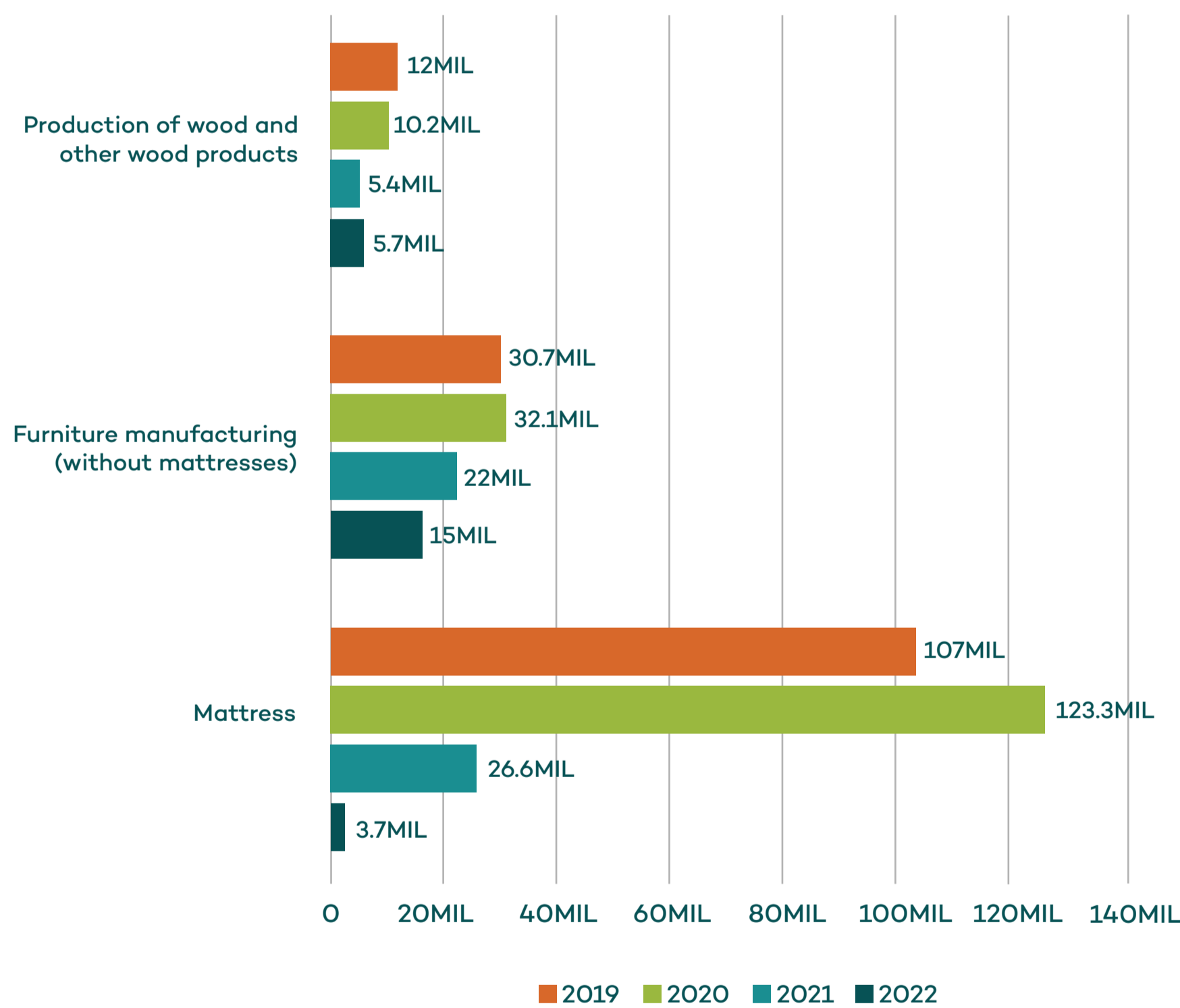
119.6 Mil

The export of other **Wood products** from 2019-2021 has increased by:

21.5 Mil

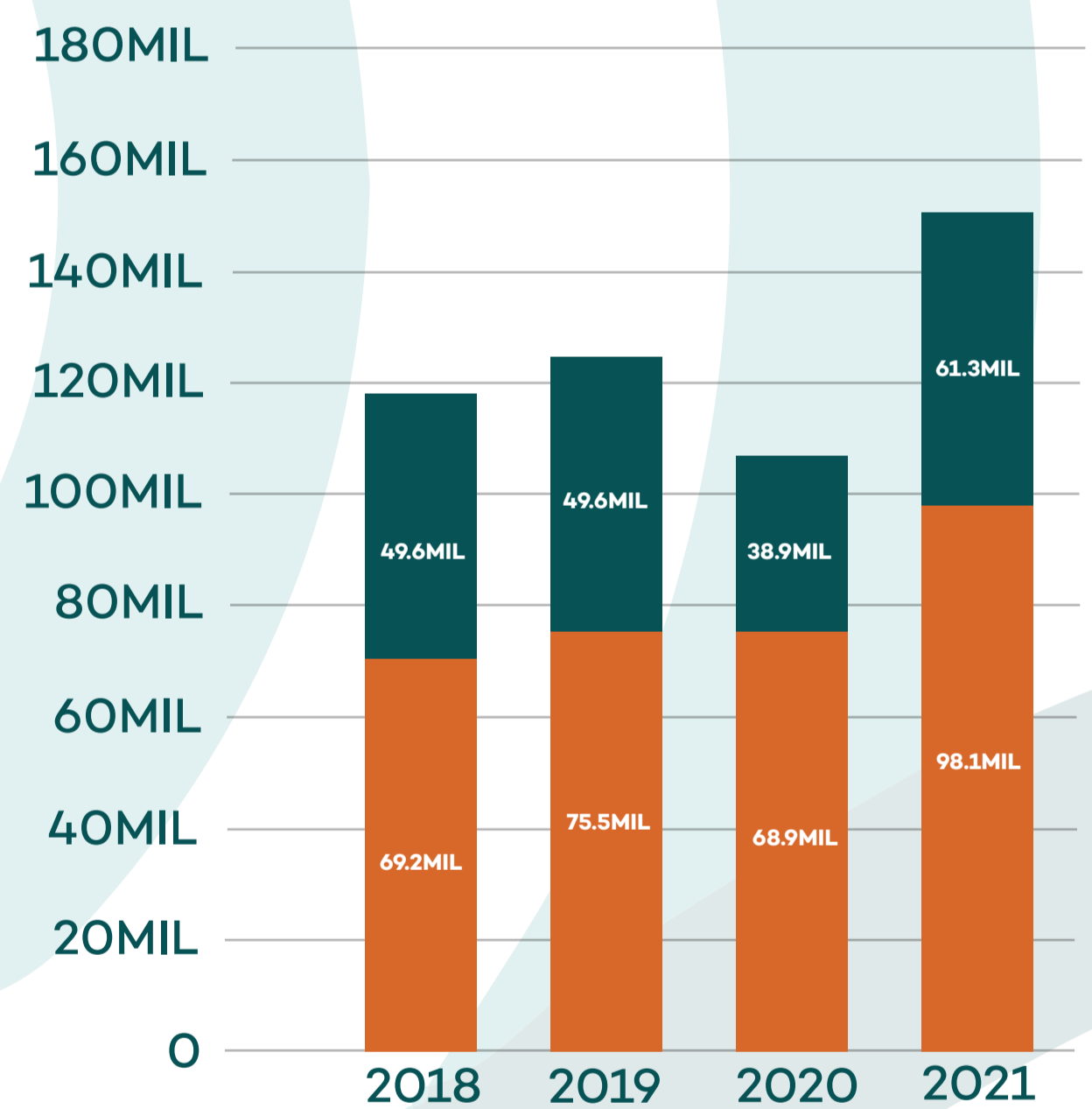
Data source: KAS - The Kosovo Agency of Statistics

EXPORT BY PRODUCT GROUPS



Data source: KAS - The Kosovo Agency of Statistics

IMPORT



MANUFACTURE OF WOOD AND OF PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE: MANUFACTURE OF ARTICLES OF STRAW AND PLAITING MATERIALS
 PRODUCTION OF FURNITURE

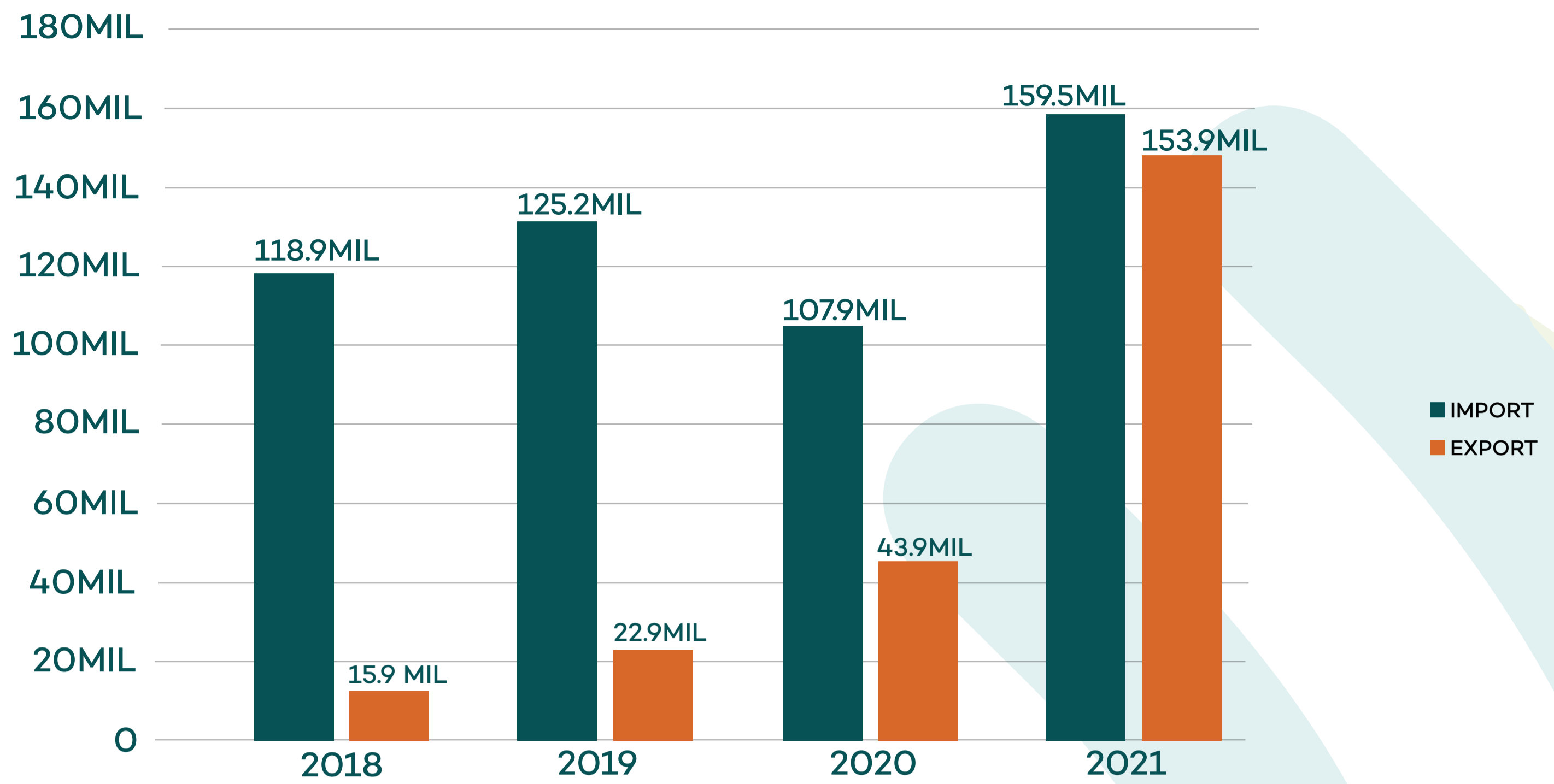
Data Source: MIET

Import in **Wood Processing** from 2018 to 2021 has increased by:

40.6 Mil

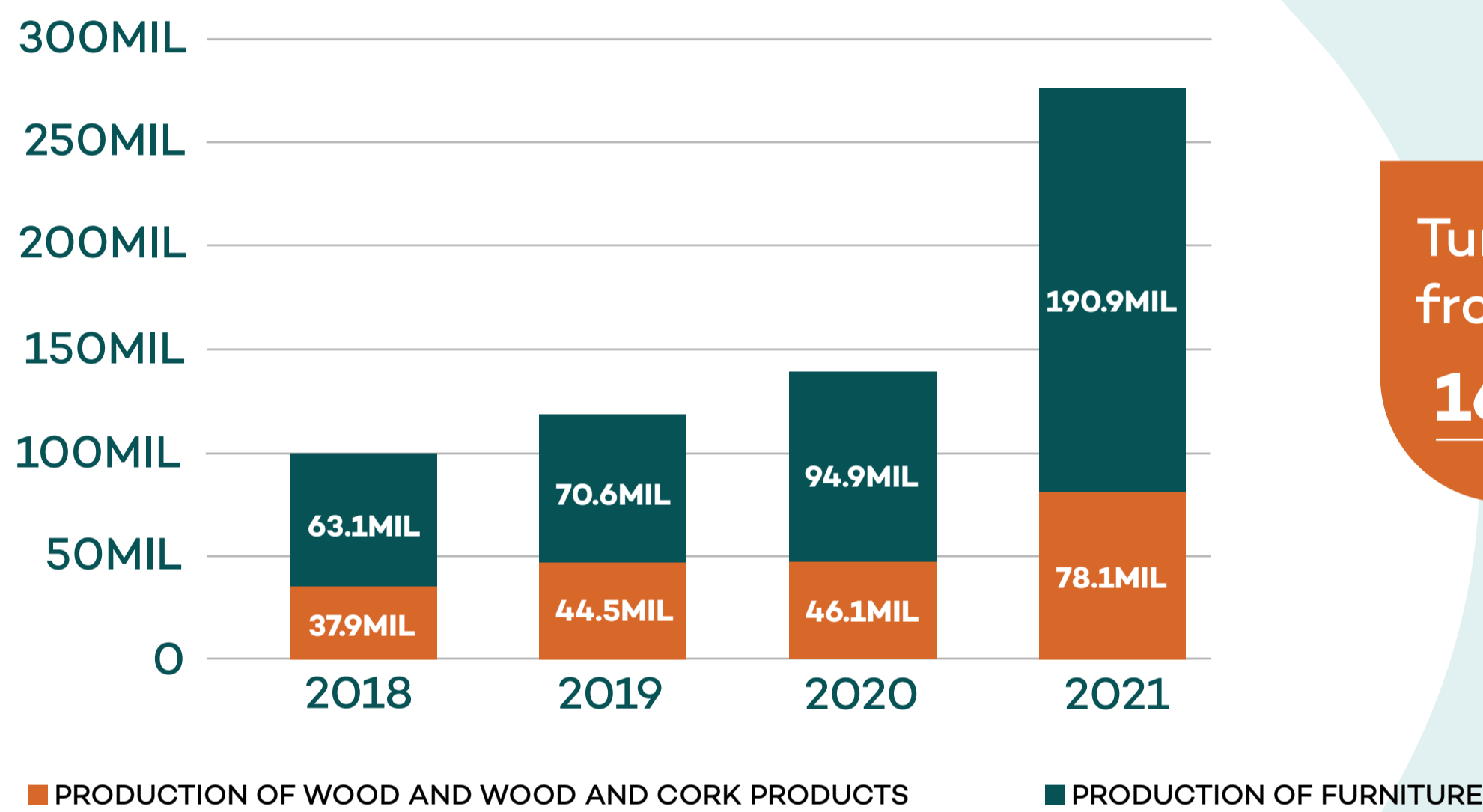
Data Source: MIET

IMPORT AND EXPORT OF WOOD PROCESSING



Data Source: MIET

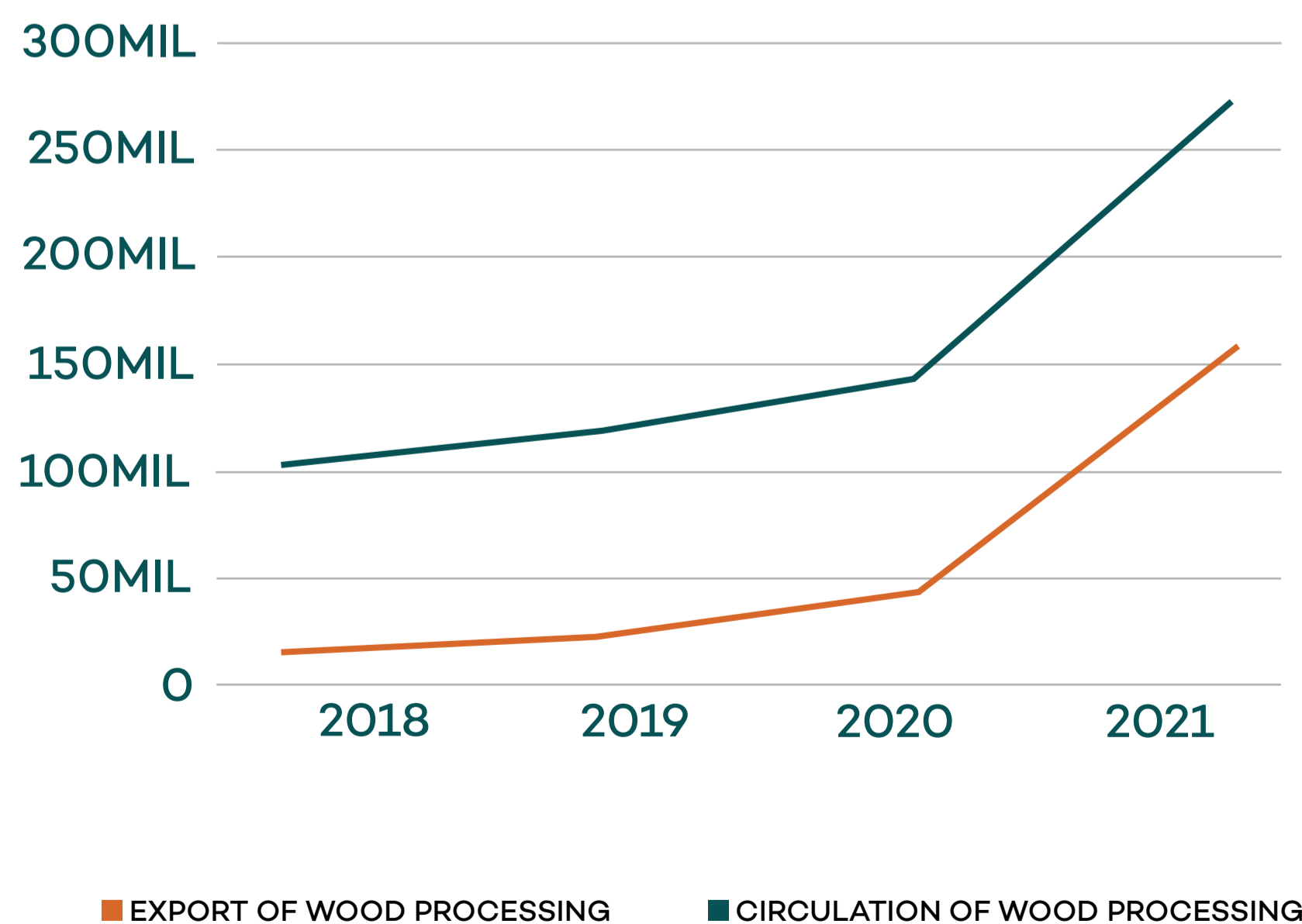
TURNOVER OF THE WOOD PROCESSING SECTOR



Turnover in Wood Processing from 2018 to 2021 has increased by: **167.9 Mil**

Data source: KAS - Kosovo Agency of Statistics

THE TURNOVER RATIO WITH THE EXPORT OF WOOD PROCESSING



% OF EXPORT FOR 2021

57%

% OF EXPORT FOR 2018

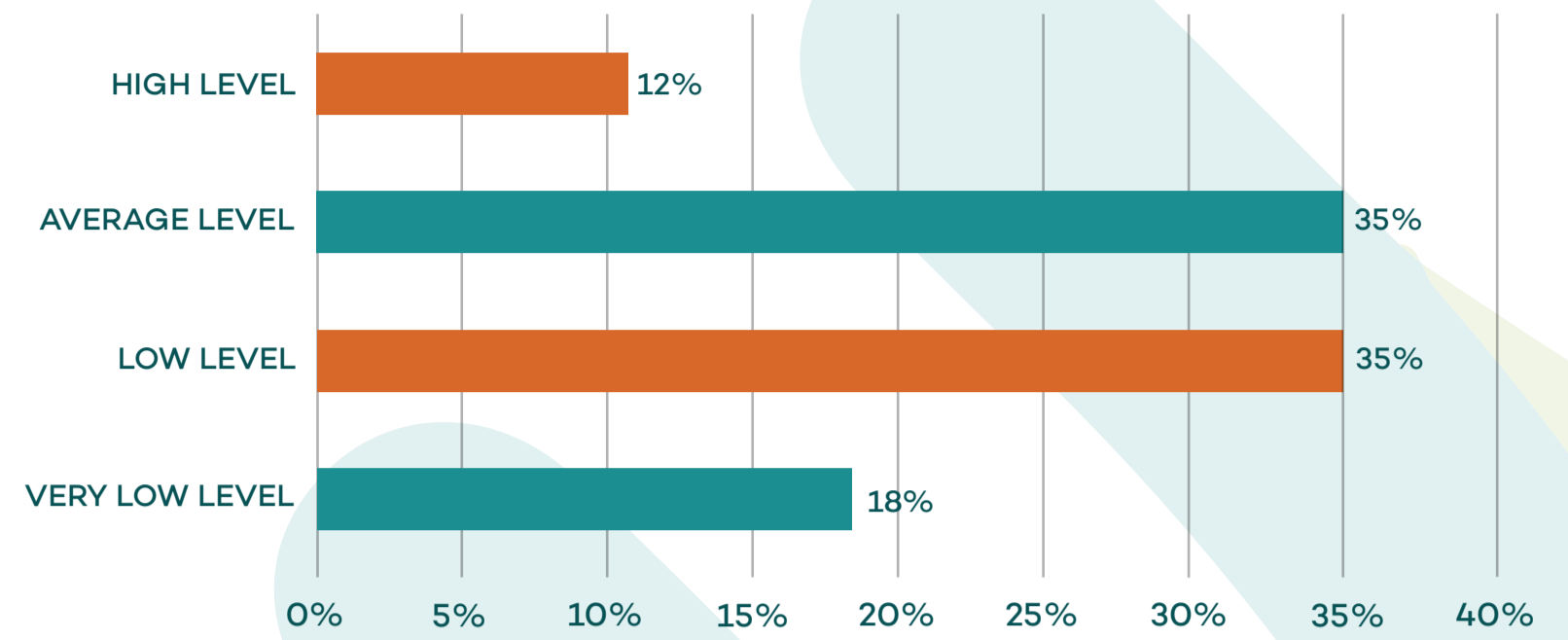
16%

LABOR DEMAND

MOST WANTED/HARD TO FILL POSITIONS:

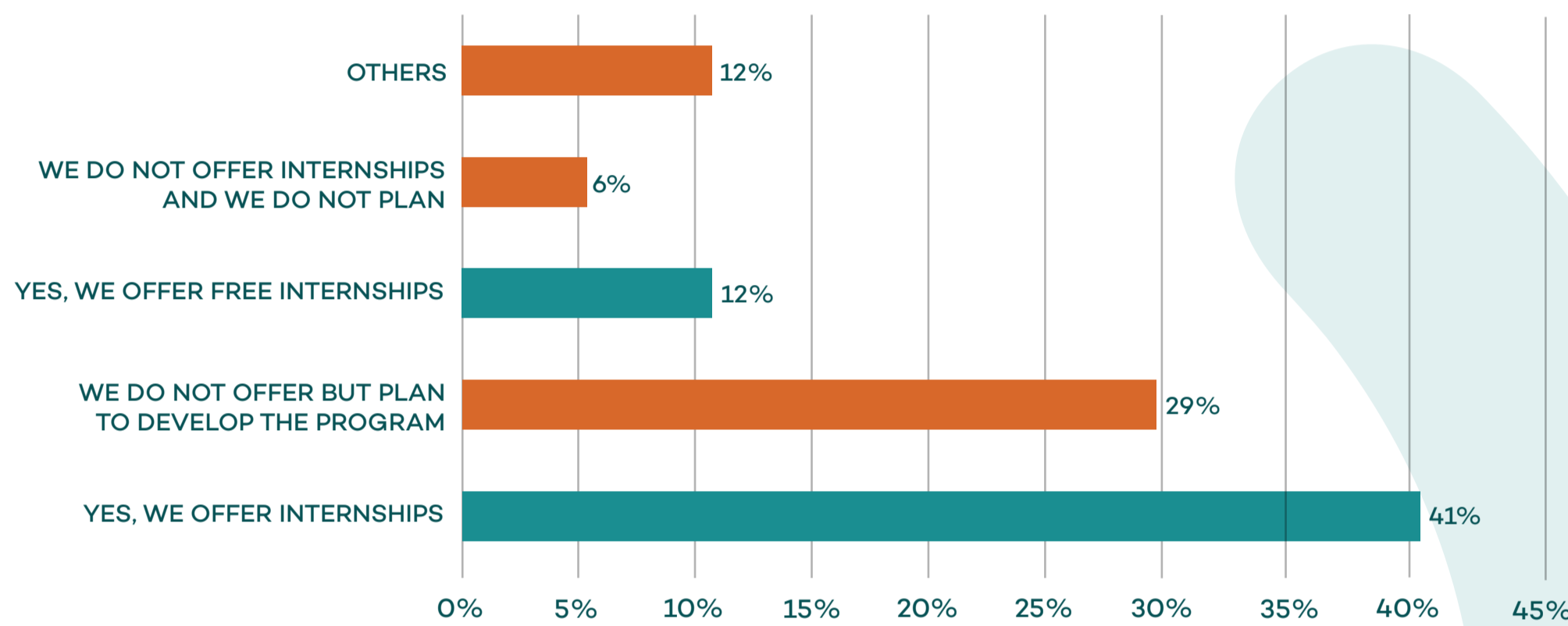
- CNC PROGRAMMER
- CNC OPERATOR
- FURNITURE DESIGNER
- PAINTING EXPERT
- SALES AND MARKETING
- E-COMMERCE/DIGITAL MARKETING

SKILL LEVEL OF RECENT GRADUATES IN WOOD PROCESSING



Data source: Nixha, A. and Wiegel, W. (2018). "Value chain analysis of the wood construction material sub-sector".

OPPORTUNITIES FOR PRACTICAL WORK IN WOOD PROCESSING

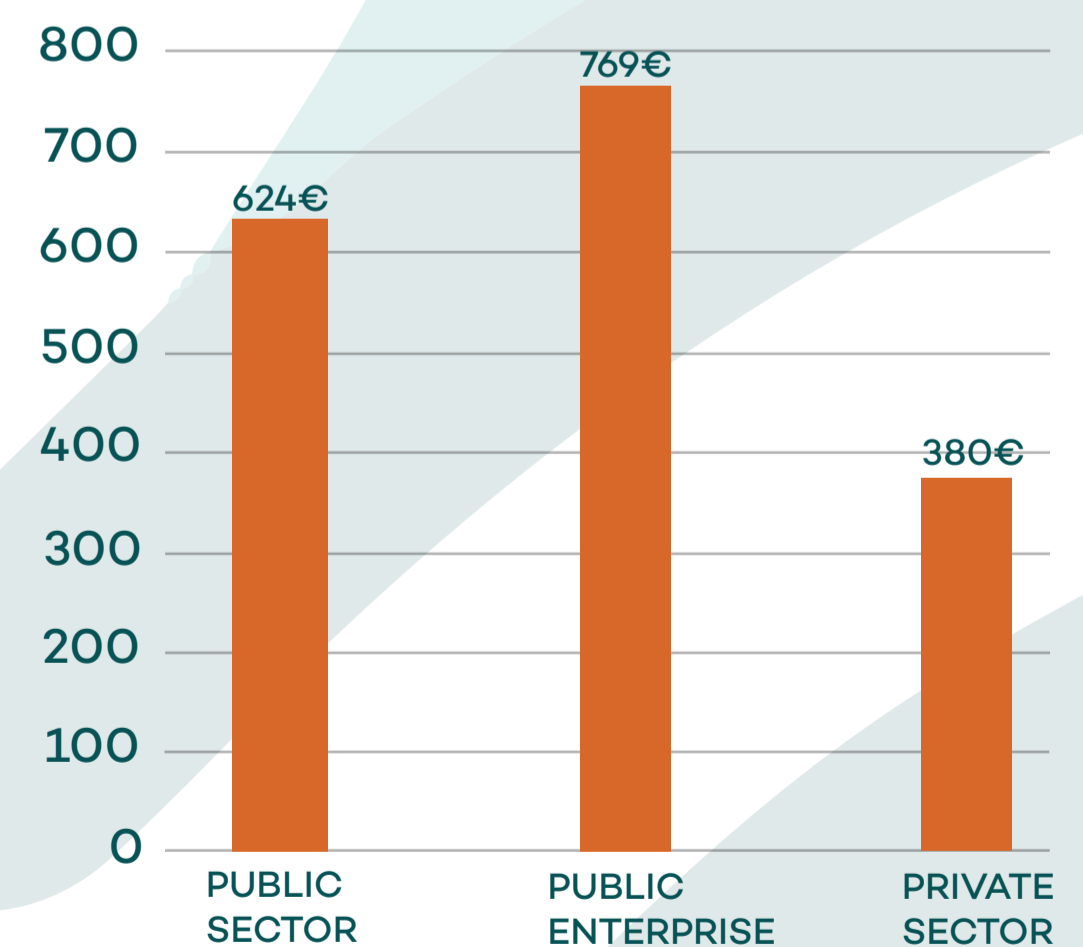
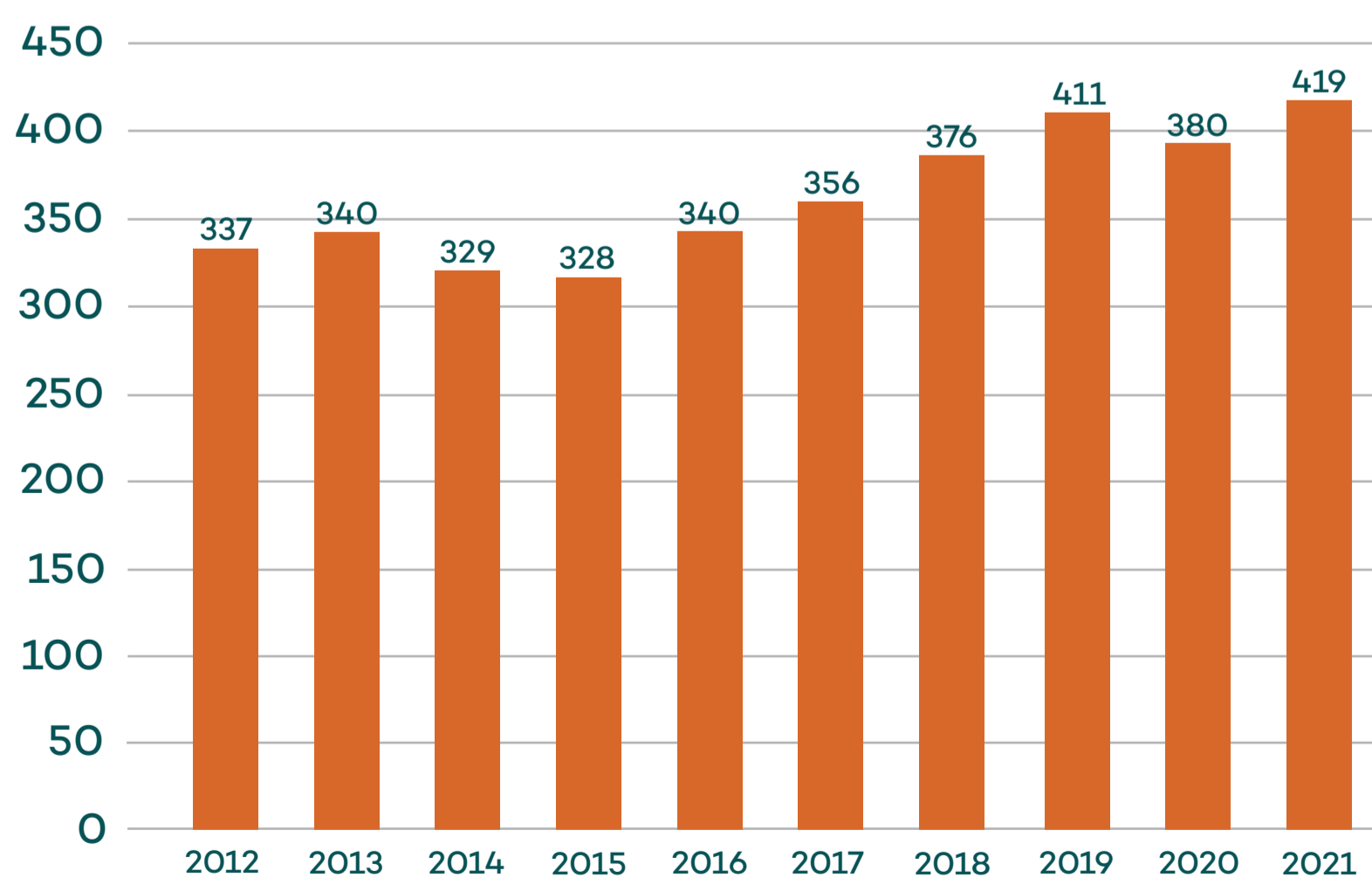


Data source: Nixha, A. and Wiegel, W. (2018). "Value chain analysis of the wood construction material sub-sector".

LABOR COMPENSATION

- FIXED SALARY IN THE WOOD PROCESSING SECTOR
- PERFORMANCE-BASED PAY IMPROVES INITIATIVE AND MOTIVATION

AVERAGE SALARY IN THE PRIVATE SECTOR

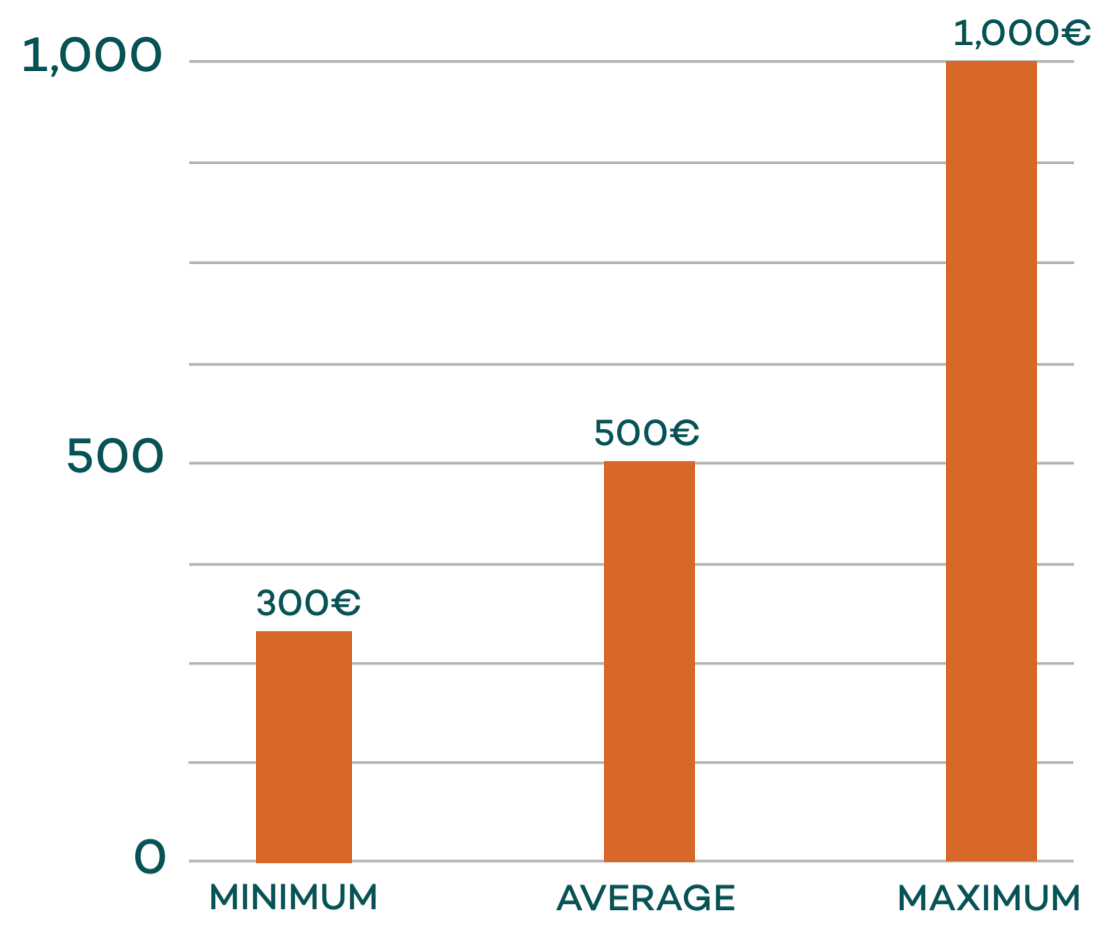


AVERAGE SALARY IN KOSOVO

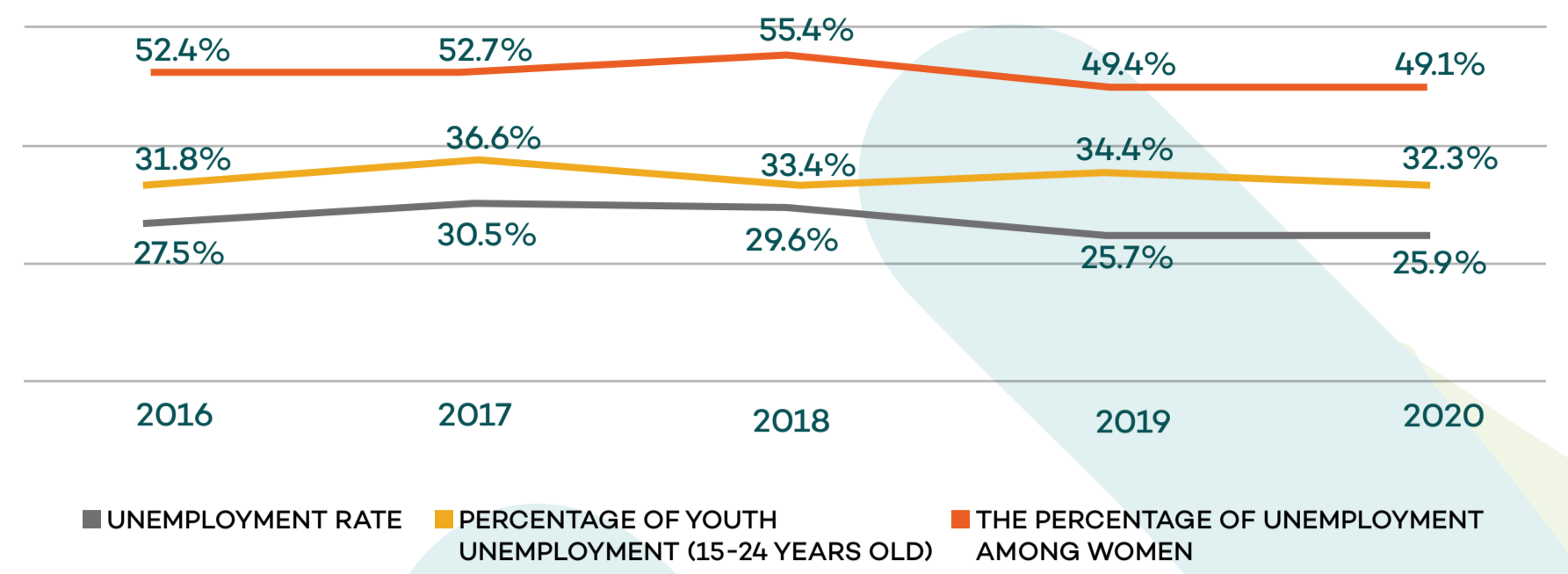
466€

Data source: The big picture - A progressive economic agenda for Kosovo, 2021, Friedrich-Ebert-Stiftung Kosovo

AVERAGE SALARY IN THE WOOD SECTOR - PEJA

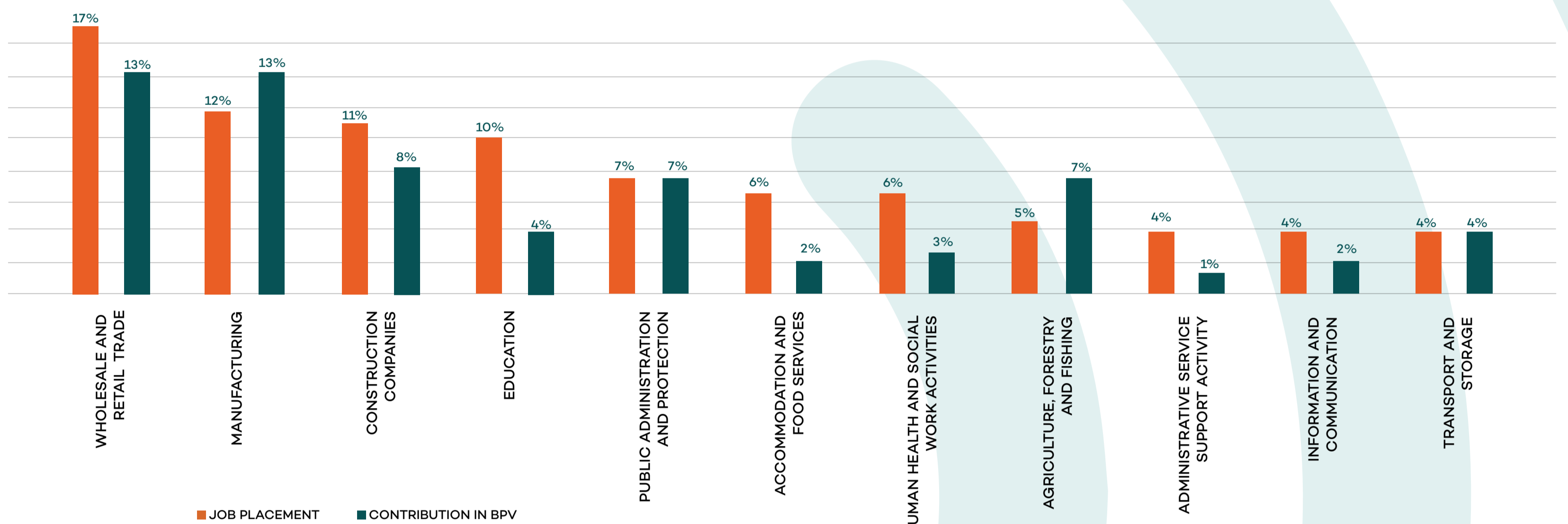


UNEMPLOYMENT WOMEN AND YOUTH



Data source: The big picture - A progressive economic agenda for Kosovo, 2021, Friedrich-Ebert-Stiftung Kosovo & USAID's COMPETE Activity report

EMPLOYMENT BY SECTORS AND CONTRIBUTION TO GDP



Data source: The big picture - A progressive economic agenda for Kosovo, 2021, Friedrich-Ebert-Stiftung Kosovo

EMPLOYMENT RATE ACCORDING TO EMPLOYMENT AGENCY

	2017	2018	2019	2020	2021
Unemployment	93,866	95,890	70,790	168,980	82,042
Vacancies	12,511	14,847	15,647	11,160	10,747
Jobs	6,042	6,764	8,711	6,961	6,252

AVAILABLE POSITIONS WOOD SECTOR

Available positions	2018	2019	2020	2021	2022	TOTAL
7115 - Carpenters (carpenters) and joiners	437	371	285	221	216	1,530
7522 - Furnishers and similar workers	61	53	42	42	42	281
7523 - Workers for setting up and operating woodworking machine tools	0	7	5	5	32	49
8172 - Woodworking factory workers	23	7	35	26	18	109
7521 - Wood handlers	23	7	35	26	18	109

EMPLOYMENT AGENCY

REGISTERED UNEMPLOYMENT	2018	2019	2020	2021	2022	TOTAL
7115 - Carpenter and joiner	139	123	374	88	72	796
7522 - Furniture and similar work	13	9	20	4	4	50
7523 - Workshops for setting up and operating tools for wood processing machines	4	5	3	3	3	18
8172 - Factory workers for wood processing	2	6	17	1	9	35
7521 - Wood handlers	2	2	11	0	1	16

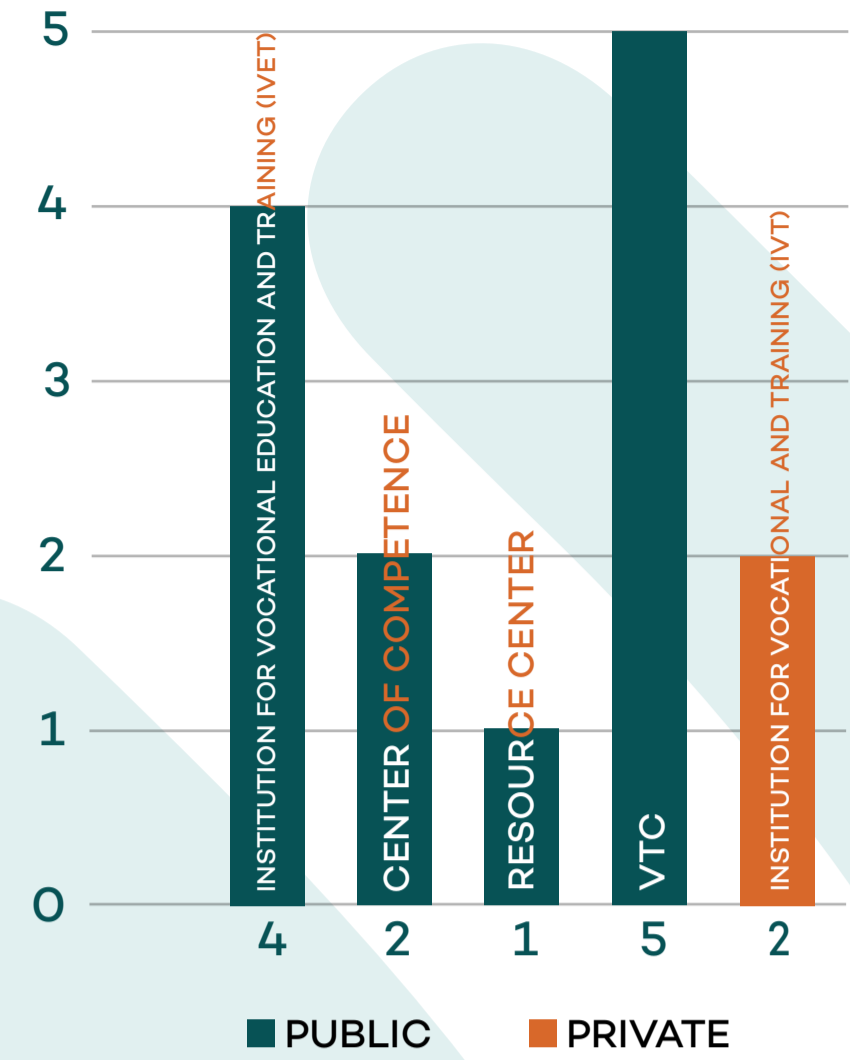
NUMBER OF INTERMEDIATIONS

REGISTERED UNEMPLOYMENT	2018	2019	2020	2021	2022	TOTAL
7115 - Carpenter and joiner	155	229	140	62	90	676
7522 - Furniture and similar work	0	7	4	4	5	20
7523 - Workshops for setting up and operating tools for wood processing machines	9	0	19	18	5	51
8172 - Factory workers for wood processing	27	23	24	14	12	100
7521 - Wood handlers	0	3	2	2	0	7

Data source: Kosovo Employment Agency

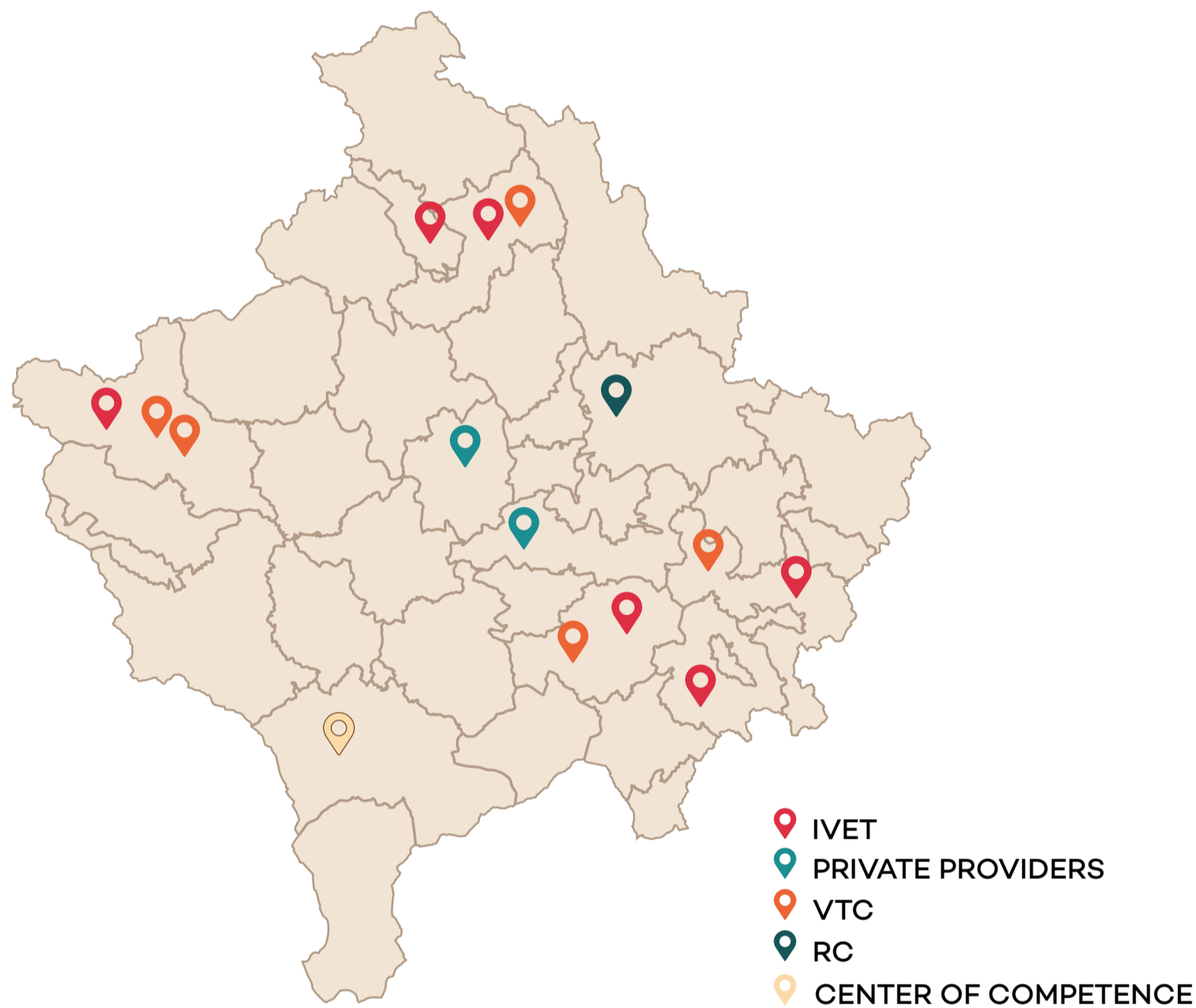
NUMBER OF TRAINING PROVIDERS IN THE WOOD PROCESSING SECTOR AND THEIR STATUS

TRAINING PROVIDERS	Nr. of Institutions	Accredited
Institution for Vocational Education and Training (IVET)	4	N/A
Center of competence	2	N/A
Vocational Training Center	5	0
Resource Center	1	N/A
Total service providers - Public	12	0
Institution for Vocational and Training (IVT)- Private	2	2
Total providers - Public and Private	14	0



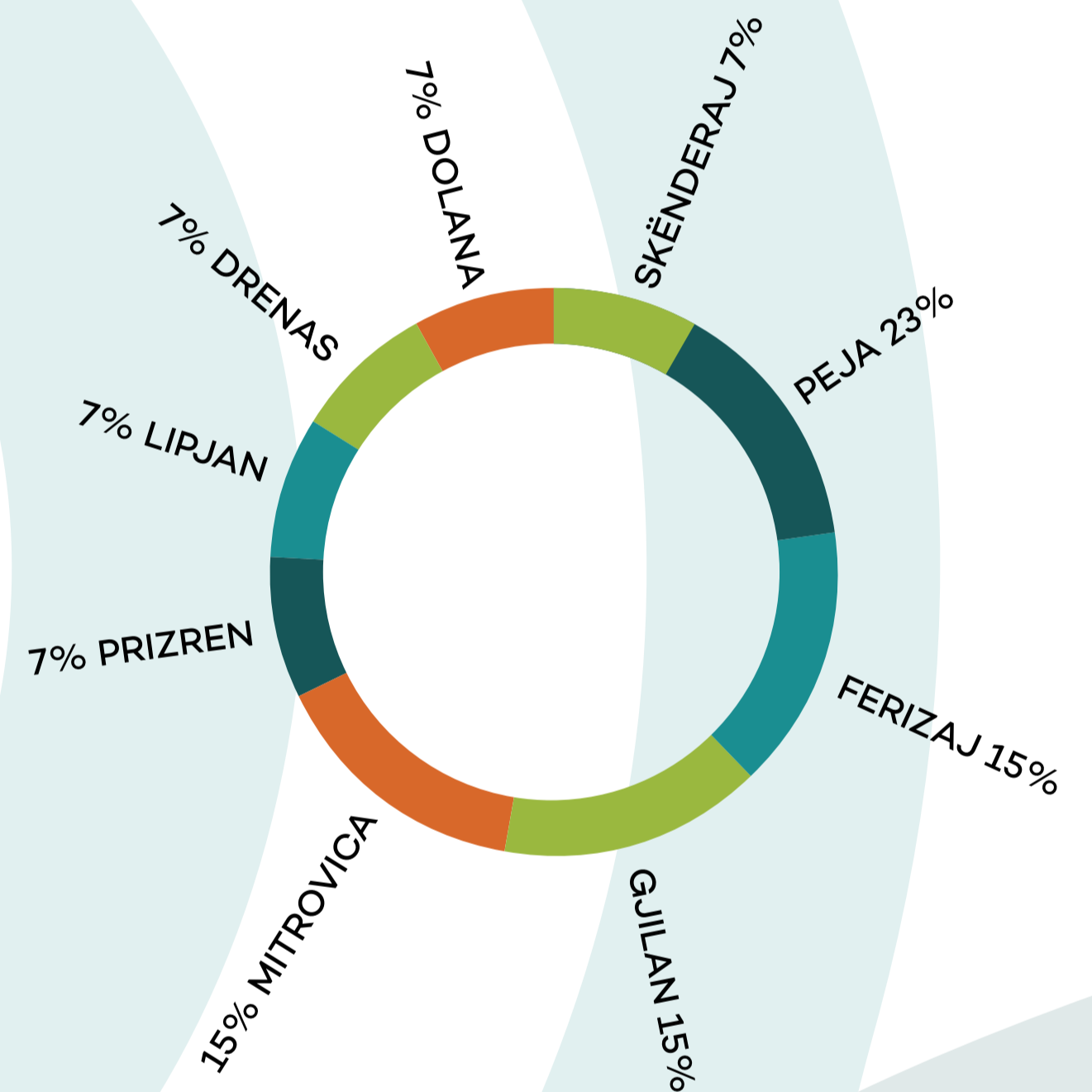
Data source: MESTI 2022, "EMIS" & interviews with training providers

TRAINING PROVIDERS IN THE WOOD PROCESSING SECTOR BY MUNICIPALITY



Data source: MESTI 2022, "EMIS" & interviews with training providers

DISTRIBUTION PERCENTAGE OF TRAINING PROVIDERS BY MUNICIPALITY



LIST OF PROFILES PROVIDED BY PRIVATE AND PUBLIC PROVIDERS IN THE WOOD PROCESSING SECTOR

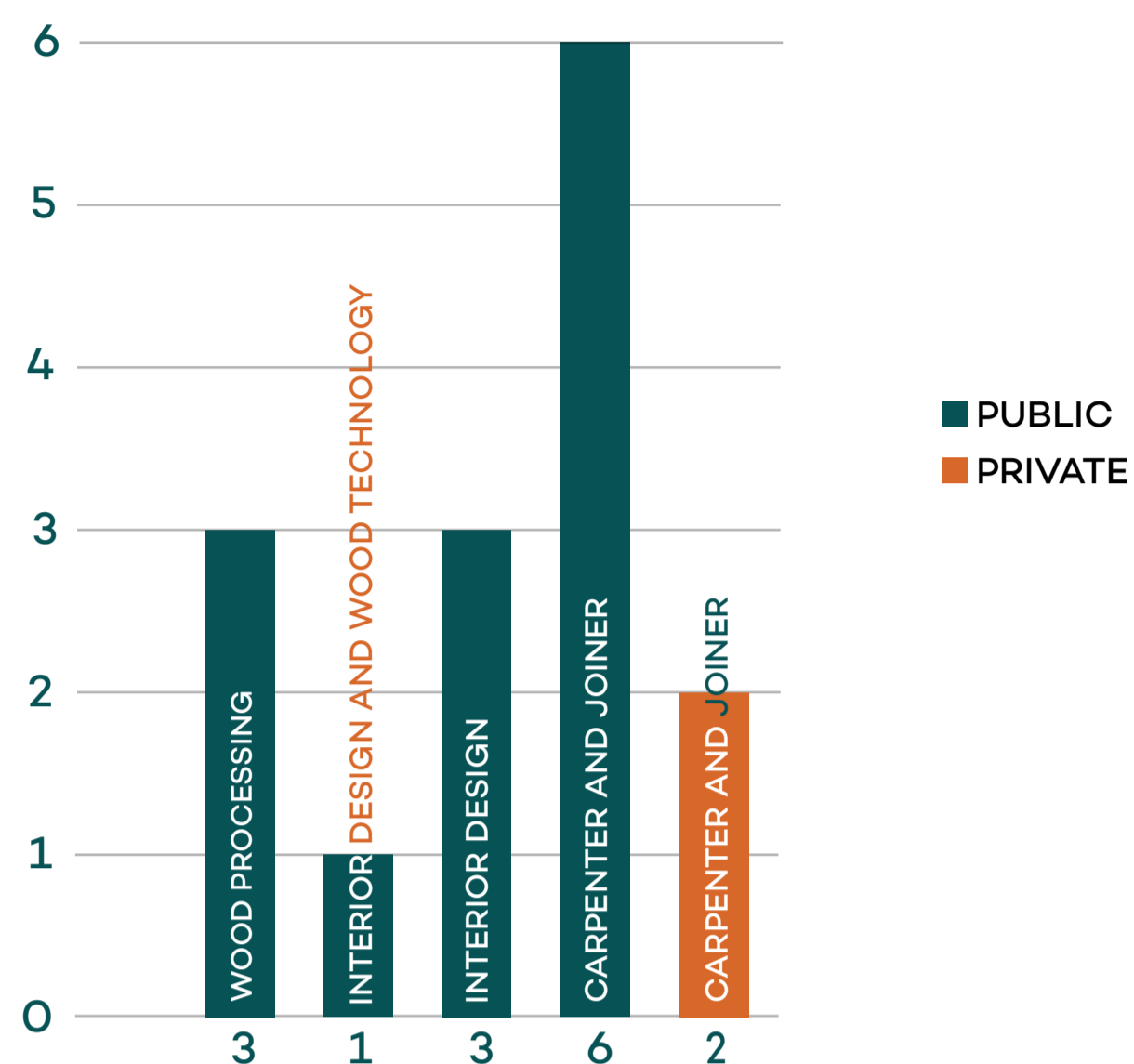
- 1- WOOD PROCESSING
- 2- INTERIOR DESIGN
- 3- INTERIOR DESIGN AND WOOD TECHNOLOGY
- 4- CARPENTER AND JOINER

OCCUPATIONAL STANDARDS AND YEAR OF DEVELOPMENT - WOOD PROCESSING

OCCUPATIONAL STANDARDS
CARPENTER AND JOINER
YEAR 2019

Data Source: MESTI 2022 and NQA

PROFILES BY NUMBER OF PRIVATE AND PUBLIC PROVIDERS



Data source: MESTI and AKK

PROFILE MODULES OFFERED BY PUBLIC TRAINING PROVIDERS

PROFILE: INTERIOR DESIGN		PROFILE: WOOD PROCESSING	
1	Drawing and painting	1	Wood anatomy
2	Art history	2	Technical drawing & descriptive geometry
3	Theory of form	3	Woodworking machines
4	Descriptive geometry	4	Sawing patterns
5	Basics of design	5	Final processing of wood
6	Interior design	6	Wooden constructions
7	Knowledge of materials	7	Surface treatment
8	Perspective	8	Furniture design
9	Furniture design	9	Adhesives & adhesive techniques
10	Building constructions	10	Wood drying
11	Designing	11	AutoCAD 2D & 3D
12	ICT	12	CNC machines
13	Entrepreneurship		

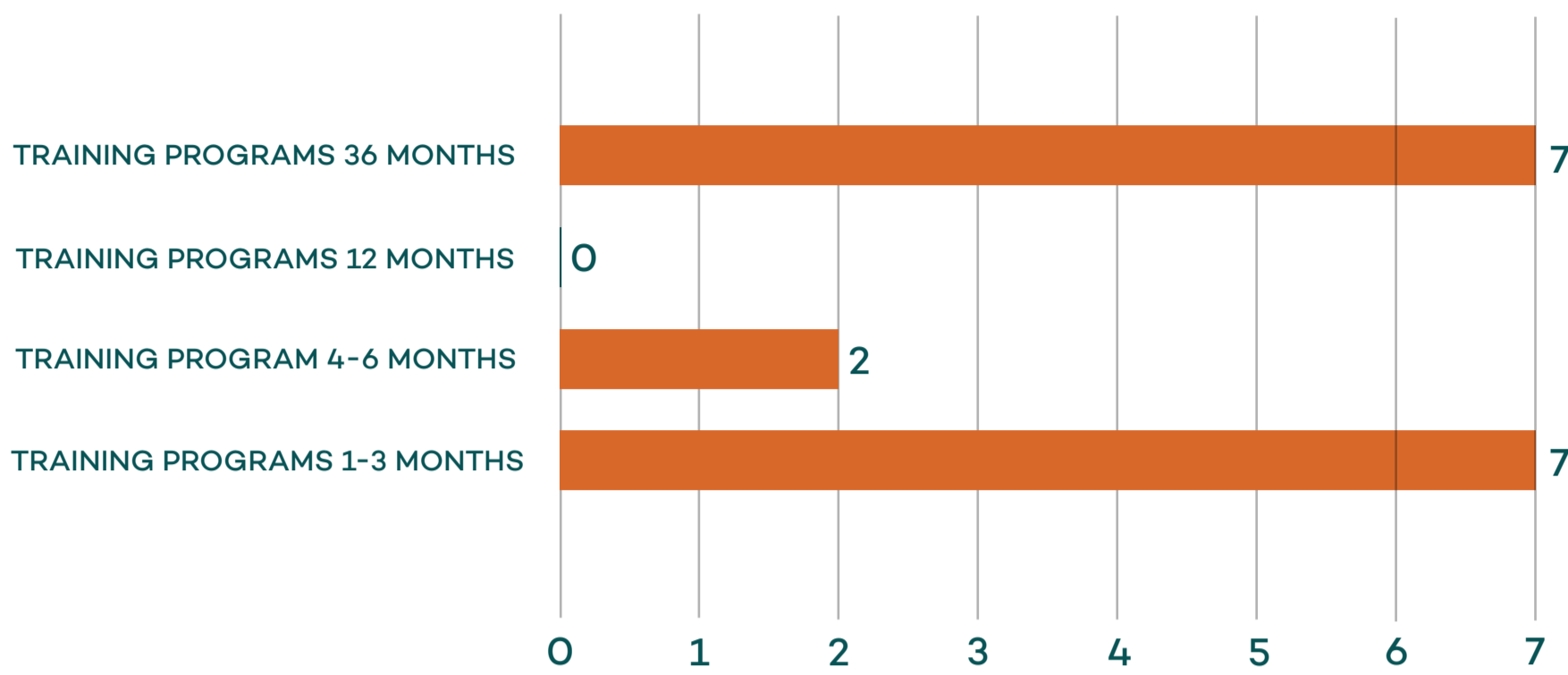
MODULES OF PRIVATE TRAINING PROVIDERS FOR CARPENTRY - SHEHU

IVT SHEHU (A) PROFESSIONAL MODULES		No. OF HOURS
1	Introduction to carpentry and Protection at work and environmental protection	30
2	Cutting wood materials with hand machines	50
3	Milling and decorating with hand machines	50
4	Sanding of wooden materials	45
5	Cutting wood materials with static machines	60
6	Planing, milling and turning with static machines	50
7	CNC equipment programming	80
8	Operation of CNC machines	80
9	Coloring of wooden materials	55
10	Assembly of final wood products	31
11	Realization of ambulatory/mobile carpentry services	31
12	Administrative and commercial work in carpentry	20
TOTAL PROFESSIONAL MODULES:		582
(B) ELECTIVE MODULES		No. OF HOURS
13	European Regulation on the determination of the obligations of operators who place timber and timber products on the market	30
14	Business Management (Entrepreneur)	0
TOTAL ELECTIVE MODULES:		30
TOTAL (PROFESSIONAL MODULES & ELECTIVE MODULES):		612

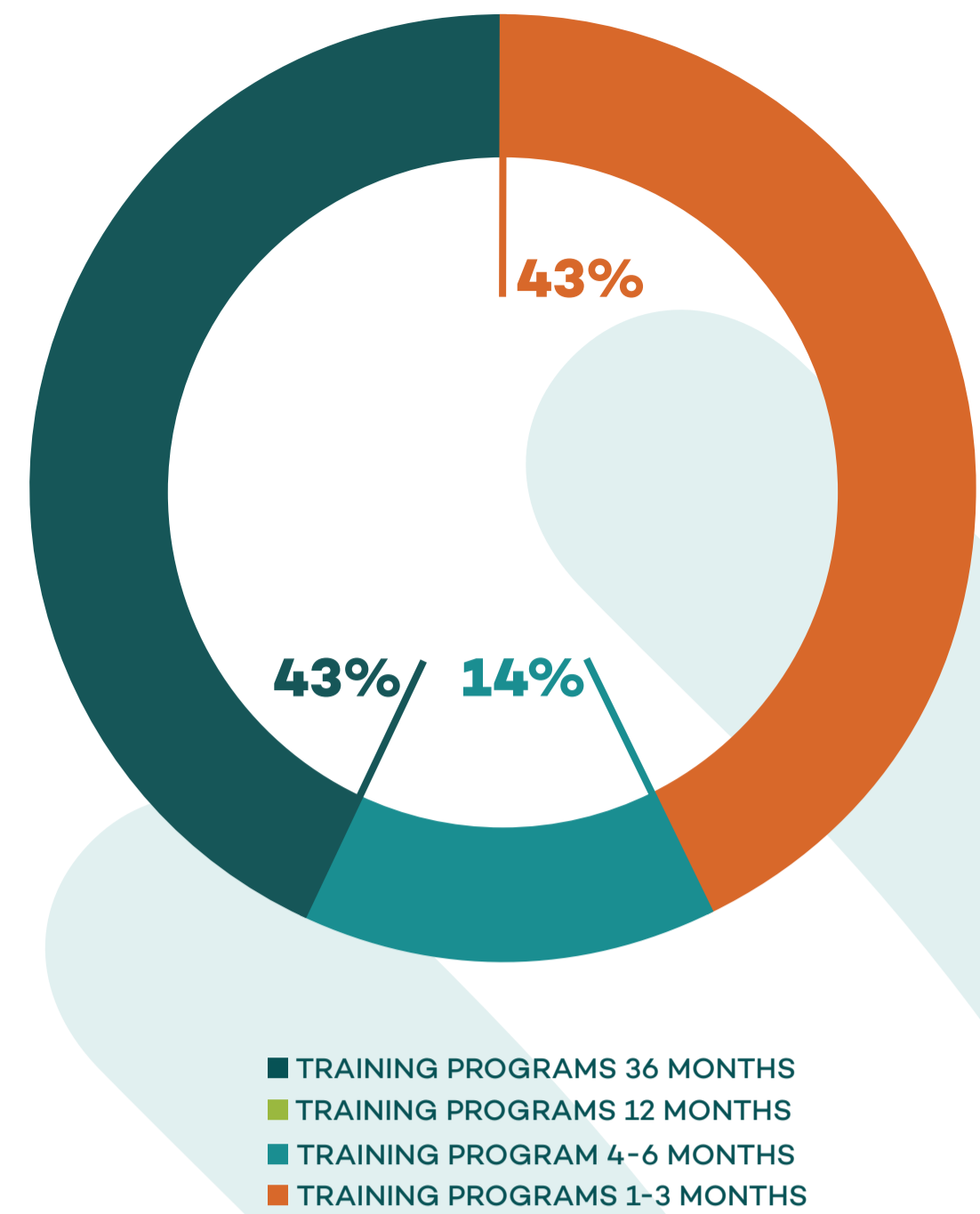
MODULES OF PRIVATE TRAINING PROVIDERS FOR CARPENTRY - DEKORITI

IVT DEKORITI (A) PROFESSIONAL MODULES		No. OF HOURS
1	Introduction to carpentry and Protection at work and environmental protection	30
2	Processing of wooden materials with classic machines	130
3	Sanding and coloring of wooden materials	140
4	CNC machine programming with Autodesk Fusion 360	120
5	Operation of CNC machines	120
6	Assembly of final wooden products and realization of ambulatory/mobile carpentry services	30
7	Administrative and commercial work in carpentry	20
TOTAL PROFESSIONAL MODULES:		590
(B) ELECTIVE MODULES		No. OF HOURS
8	Basics of furniture design and construction	30
9	Basics of quality control in wood processing	0
TOTAL ELECTIVE MODULES:		30
TOTAL (PROFESSIONAL MODULES & ELECTIVE MODULES):		620

NUMBER AND PERCENTAGE OF TRAINING PROVIDERS BY DURATION



Data Source: MESTI and visits



NUMBER OF GRADUATES IN PRIVATE AND PUBLIC INSTITUTIONS- WOOD PROCESSING

NUMBER OF PRIVATE GRADUATES 2021/22

184

NUMBER OF PUBLIC GRADUATES 2021/22

93

Data Source: MESTI and visits

THE COST OF TRAINING AND THE INCOME OF GRADUATES

THE COST OF TRAINING PRIVATE PROVIDERS

970€ TRAININGS

400€ MODULE

INCOME OF GRADUATES

600€ - 800€ CNC OPERATOR

1000€ - 2000€ CNC PROGRAMMER

Data Source: SHEHU & Dekoriti