

Torino Process 2022-2024

Monitoring of policy and system performance for lifelong learning: **BOSNIA AND HERZEGOVINA 2023**

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TORINO PROCESS ARCHITECTURE



Level 1

Monitoring policy and system performance

How well do education and training systems deliver good and equitable opportunities for learning?



Reviewing national policies and systems

Which policies influence system performance for lifelong learning, and how?

 System-wide overview, all countries (annual)

 In-depth analysis of selected policies and themes (on demand)

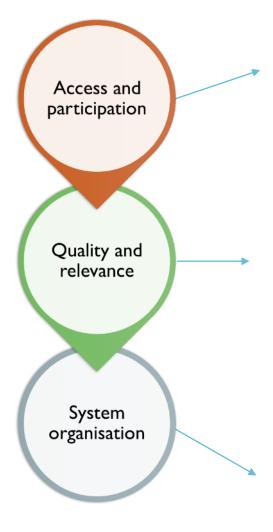


MONITORING PERFORMANCE THROUGH OUTCOMES



SYSTEM AND POLICY PERFORMANCE = the extent to which countries deliver on their promises (commitments) to learners and other stakeholders in education and training

SCOPE OF MONITORING #1



- 1. Access (Dimension A1)
- 2. Participation (Dimension A2)

- 3. Quality/relevance (Dimension B1)
- 4. Excellence (Dimension B2)
- **5. Innovation** (Dimension B3)
- **6.** Responsiveness (Dimension B4)

- 7. System organisation (Dimension C1)
- 8. Resourcing (Dimension C2)

(3 areas of commitment)

(8 monitoring dimensions)

Dimension A.2 PARTICIPATION Outcome A.2.1 Flexible pathways: vertical permeability Outcome A.2.2 Flexible pathways: horizontal permeability	Dimension A.1	ACCESS
Outcome A.1.3 Access to other opportunities for lifelong learning, including in-company Dimension A.2 PARTICIPATION Outcome A.2.1 Flexible pathways: vertical permeability Outcome A.2.2 Plexible pathways: horizontal permeability Outcome A.2.3 Progression of learners to successive stages of education and training an Dimension B.1 QUALITY AND RELEVANCE Outcome B.1.1 Key competences for lifelong learning and quality of learning outcomes Adult skills and competences Outcome B.1.2 Participation in work-based learning Outcome B.1.3 Participation in career education Dimension B.2 EXCELLENCE Outcome B.2.1 Excellence in pedagogy and professional development Outcome B.2.2 Excellence in programme content and implementation Excellence in governance and provider management Outcome B.2.2 Excellence in social inclusion and equity Dimension B.3 INNOVATION Outcome B.3.1 Systemic innovation: access to opportunities for lifelong learning Outcome B.3.2 Systemic innovation in promoting participation and graduation Outcome B.3.3 Systemic innovation in boosting quality of outcomes Outcome B.3.4 Relevance of learning content: green transition Relevance of learning content: digital transition Relevance of learning content: digital transition Outcome B.4.1 Responsiveness of programme offering Dimension C.1 STEERING AND MANAGEMENT Outcome C.1.1 Data availability Participatory governance Reliable quality assurance and public accountability	Outcome A.1.1	Access and attractiveness: initial VET
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Outcome C.1.3 Reliable quality assurance and public accountability	Outcome C.1.2	
	Outcome C.1.3	
	Outcome C.1.4	Professional capacity of staff
Outcome C.1.5 Internationalisation	Outcome C.1.5	Internationalisation
Dimension C.2 RESOURCING		
Outcome C.2.1 Adequate financial resource allocations and use	Outcome C.2.1	Adequate financial resource allocations and use
Outcome C.2.2 Adequate human resource allocations and use	Outcome C.2.2	Adequate human resource allocations and use
Outcome C.2.3 Adequate material base	Outcome C.2.3	
(30 noticy/system outcomes)		

(30 policy/system outcomes)

SCOPE OF MONITORING #2



Age

- Youth
- Adults

Gender

- Female
- Male

Learning setting

- Formal
- Non-formal

Populations of strategic interest

- · Disadvantaged youth
- · Long-term unemployed
- Inactive
- Migrants

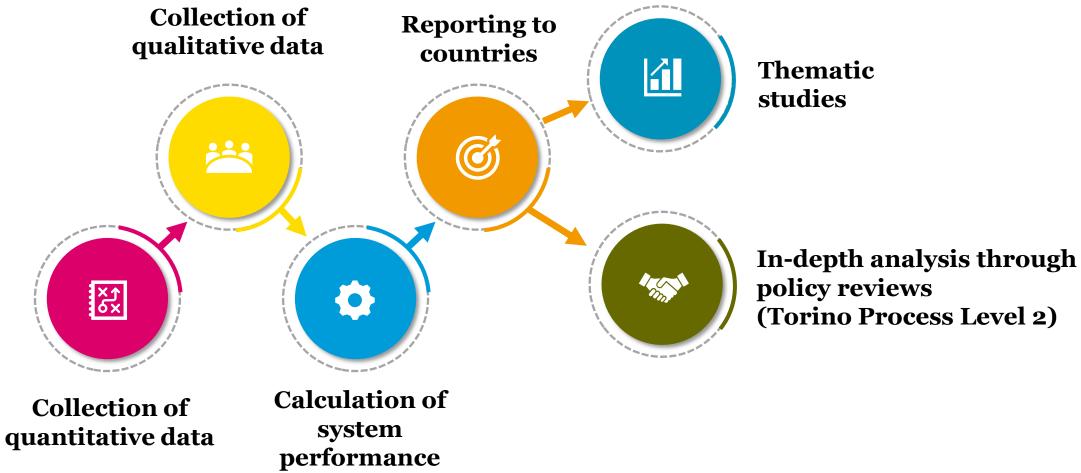
Pathway

- General
- VET

COLLECTION AND ANALYSIS OF MONITORING EVIDENCE

indices (SPIs)









TORINO PROCESS VET SYSTEM MONITORING RESULTS BOSNIA AND HERZEGOVINA 2023



INTERNATIONAL COMPARABILITY AND CONSISTENCY OF MONITORING RESULTS

FIGURE 1. COMPARABILITY AND CONSISTENCY OF MONITORING RESULTS: BOSNIA AND HERZEGOVINA (2023)

International comparability of performance results (0=least comparable, 100=fully comparable)

Bosnia and Herzegovina: 47.4/100 International average: 33.6/100

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Risk of bias regarding system performance (0=highest risk, 100=lowest risk)

Bosnia and Herzegovina: 38.3/100 International average: 45/100

	0	10	20	30		40	50	60	70	80	90	100

Tendency to be self-critical regarding system performance (most critical=0, neutral=50, least critical=100)

Bosnia and Herzegovina: 41.8/100 International average: 52.8/100

	0	10	20	30 4	4	50	60	70	80	90	100



KEY TAKEAWAYS



Access and Attractiveness: The VET system of BIH faces accessibility and attractiveness issues, especially for the CVET subsystem. VET supports its learners effectively, reducing dropout rates, but needs increased flexibility for learners who want to switch between parallel educational paths.



Quality and Participation: The quality and relevance of VET in BIH presents a challenge, particularly for younger learners. Despite the satisfactory level of career guidance and the country's adaptability to strategic changes such as digitalization, the skills gained from the program do not necessarily translate into increased employability



Excellence and innovation: BIH is committed to achieving excellence and innovation, with mixed results. The efforts to promote high-quality teaching and PD have had average success, while governance and provider management have seen more significant improvement. The system's capacity for promoting inclusivity and innovation could be enhanced.

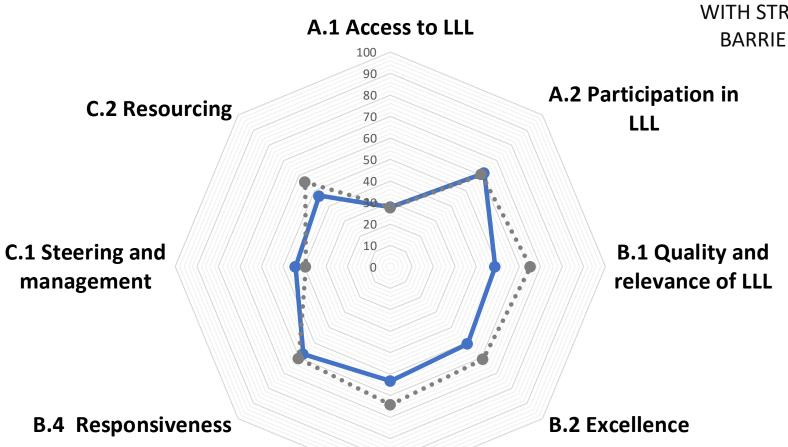


System Management and Organisation: The VET system demonstrates both strengths and weaknesses in organisational efficiency and performance. Despite a good ability to manage data and strong leadership, engaging external stakeholders needs attention, just like quality assurance, human resources management, and strategic allocation of material resources.

OVERVIEW OF BIH VET SYSTEM PERFORMANCE ACROSS KEY DIMENSIONS







STRENGTHS: PARTICIPATION IN LEARNING (DIMENSION A.2)
WITH STRONG RETENTION ONCE ENROLLED BUT POTENTIAL
BARRIERS AT ENTRY LEVEL; STEERING AND MANAGEMENT
(DIMENSION C.1) SLIGHTLY ABOVE AVERAGE

WEAKNESSES: LOW ATTRACTIVENESS (DIMENSION A.1), INDICATING NEED FOR IMPROVED ACCESS POLICIES

SUB-OPTIMAL QUALITY AND RELEVANCE OF LEARNING (DIMENSION B.1)

RESOURCE AND RESOURCE ALLOCATION SHORTAGES (DIMENSION C.2)

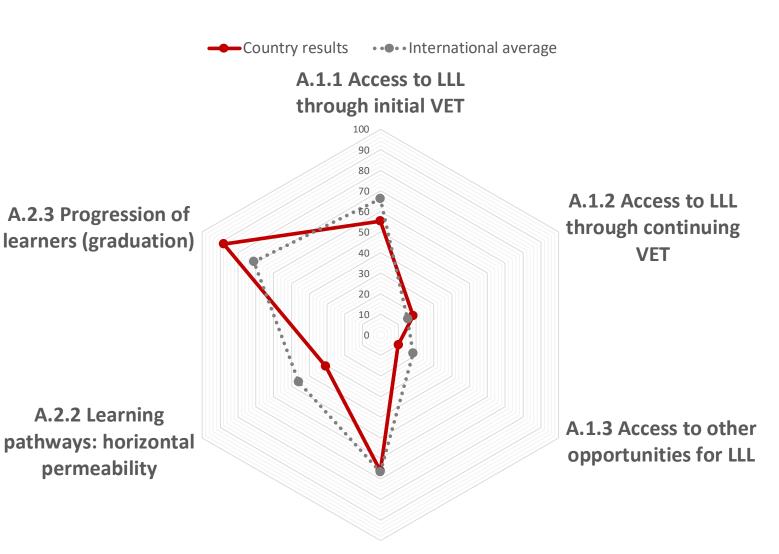
MODERATE RESULTS REGARDING EXCELLENCE (DIMENSION B.2); MORE EFFORT NEEDED TO INTEGRATE INNOVATIVE PRACTICES (DIMENSION

B.3)

AVERAGE ADAPTABILITY TO EXTERNAL CHANGES (DIMENSION B.4), MORE ATTENTION TO LABOUR MARKET NEEDS

ACCESS AND ATTRACTIVENESS OF VET IN BIH (AREA A)





OUTCOMES TRACKED: ACCESS TO IVET, CVET,
AND OTHER LIFELONG LEARNING
OPPORTUNITIES, PERMEABILITY OF THE VET
SYSTEM, AND PROSPECTS OF LEARNERS TO
GRADUATE AND PROGRESS TO SUBSEQUENT
LEVELS

RESULTS - ACCESS: SIGNIFICANT DIFFERENCES IN ACCESSIBILITY AND ATTRACTIVENESS BETWEEN IVET AND CVET

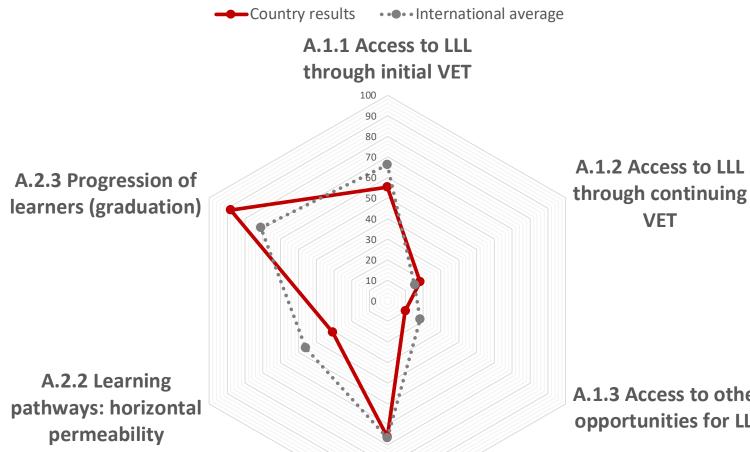
BOTH VET SUBSYSTEMS ARE LEGALLY ACCESSIBLE, BUT PERFORM POORLY IN PROMOTING LEARNER ACCESS

ACCESS AND ATTRACTIVENESS ARE KEY AREAS FOR IMPROVEMENT IN BOSNIA AND HERZEGOVINA'S VET SYSTEM

CHALLENGES IN ACCESSING ADULT EDUCATION EXTEND BEYOND VET PROGRAMS, OFTEN DUE TO COSTS BORNE BY LEARNERS

PARTICIPATION AND PERMEABILITY OF VET IN BIH (AREA A)





A.1.3 Access to other opportunities for LLL

STRENGTHS: LOW RISK OF FAILURE AND DROPOUT FOR ENROLLED VET LEARNERS

ROBUST SUPPORT FOR VERTICAL PERMEABILITY, ALLOWING LEARNERS TO ADVANCE OR TRANSITION TO DIFFERENT **PATHWAYS**

AREAS FOR IMPROVEMENT:

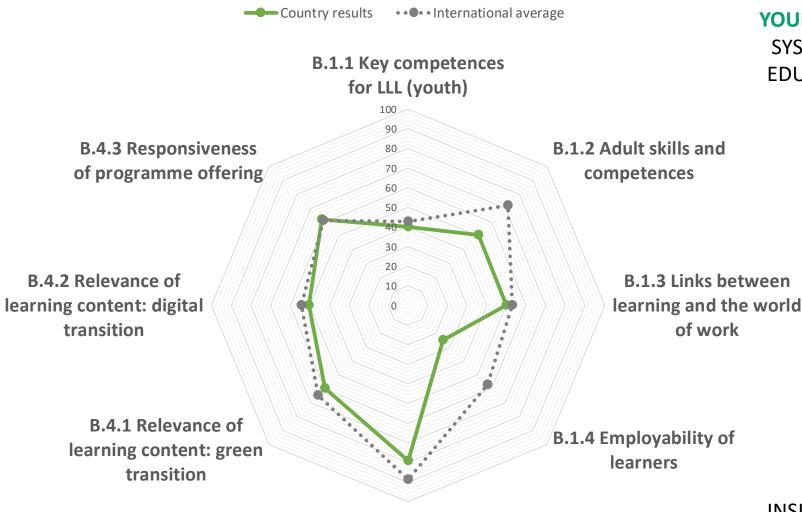
CHALLENGES EXIST IN HORIZONTAL PERMEABILITY, I.E., TRANSITIONING BETWEEN PARALLEL TRACKS OF **EDUCATION**

A ROBUST SYSTEM FOR VALIDATING PRIOR LEARNING AND INCREASED SYSTEM FLEXIBILITY WOULD ENHANCE THE LEARNING AND CAREER PROSPECTS FOR LEARNERS

A.2.1 Learning pathways: vertical

QUALITY OF LEARNING AND PROVISION OF BASIC SKILLS (AREA B 1)





B.1.5 Opportunities for

career guidance

YOUNG LEARNERS: BOSNIA AND HERZEGOVINA'S VET SYSTEM FACES CHALLENGES IN DELIVERING QUALITY EDUCATION TO BOTH YOUNG AND ADULT LEARNERS.

STUDENTS IN VET DO NOT ACQUIRE ADEQUATE LEVELS OF BASIC LITERACY AND NUMERACY

ADULTS: ADULT LEARNERS POSSESS BASIC SKILLS MORE FREQUENTLY THAN YOUNGER LEARNERS, BUT THESE COMPETENCIES ARE LESS DEVELOPED COMPARED TO OTHER COUNTRIES.

LACK OF COMPREHENSIVE MONITORING SYSTEM FOR ADULT EDUCATION MAKES PROFICIENCY EVALUATION A CHALLENGE.

SHARED GAPS: EMPLOYERS INDICATE INSUFFICIENT FOREIGN LANGUAGE, DIGITAL, IT, SOFT AND SOCIAL SKILLS AMONG ADULT LEARNERS.

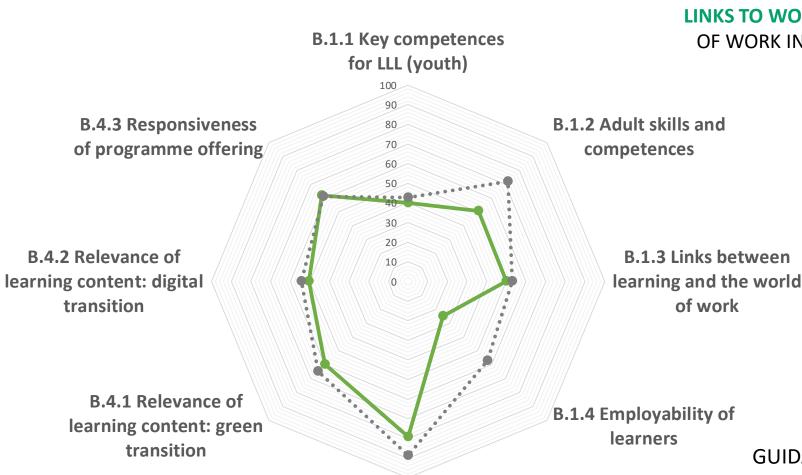
EXPOSURE TO WORK AND EMPLOYABILITY OF GRADUATES

Working together
Learning for life
European Training Foundation

(AREA B 1)

Country results

One of the international average



B.1.5 Opportunities for career guidance

OF WORK IN VET PROGRAMS; EXAMPLE OF GOOD WORK-BASED LEARNING IMPLEMENTATION IN SOME CANTONS.

INCREASE IN PRACTICAL TRAINING HOURS IN IVET EXPECTED TO ENHANCE VET ATTRACTIVENESS.

EMPLOYABILITY: BIH LAGS BEHIND THE INTERNATIONAL AVERAGE IN TERMS OF EMPLOYABILITY OF VET GRADUATES;

LONG-TERM UNEMPLOYMENT COMMON AMONG IVET GRADUATES.

CAREER GUIDANCE: EMPHASIS ON CAREER GUIDANCE, WITH GOOD PROVISION OF INFORMATION ON PROFESSIONS AND EDUCATION PROGRAMS.

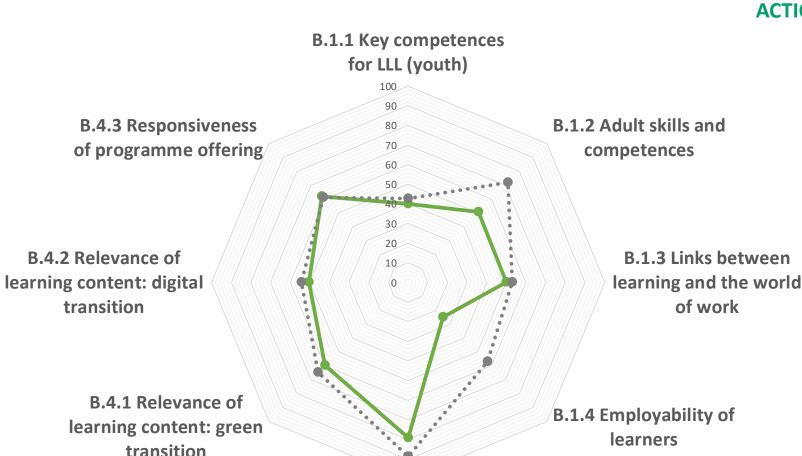
RELEVANCE OF VET AND RESPONSIVENESS TO LABOUR MARKET NEEDS

• • • • International average

Country results



(AREAB 1)



B.1.5 Opportunities for

career guidance

ACTIONS: EFFORTS TO IMPROVE RELEVANCE, SUCH AS INCREASED PRACTICAL WORK HOURS AND COLLABORATION WITH INDUSTRY PARTNERS.

OF ATTENTION: REASONABLE LEVEL
OF ATTENTION SUSTAINABILITY AND
CLIMATE CHANGE AWARENESS IN
CURRICULA; PROGRESS IN INTEGRATING
GREEN SKILLS.

DIGITAL TRANSITION: SOMEWHAT WEAKER PERFORMANCE IN DIGITAL SKILLS INTEGRATION IN THE FACE OF EVOLVING DIGITAL ECONOMY.

CAREER GUIDANCE: SPI SCORE FOR VET PROGRAM RESPONSIVENESS SLIGHTLY EXCEEDS THE INTERNATIONAL AVERAGE; READINESS TO ADDRESS BOTH STRATEGIC AND IMMEDIATE CHALLENGES...

EXCELLENCE AND INNOVATION IN THE VET SYSTEM (AREA B 2)





• • • • International average

B.2.1 Excellence: pedagogy and professional...

100

90

30 20

10

B.3.4 Systemic innovation: relevance of outcomes

B.3.3 Systemic innovation: quality of I. outcomes

B.3.2 Systemic innovation: participation and...

B.2.2 Excellence: programme content and implementation

B.2.3 Excellence: governance and provider management

B.2.4 Excellence: social inclusion and equity

B.3.1 Systemic innovation: access to opportunities for LLL

EXCELLENCE IN TEACHING AND CONTENT: EFFORTS TO

PROMOTE HIGHEST QUALITY OF TEACHING,
PROFESSIONAL DEVELOPMENT, AND PROGRAMME
CONTENT HAVE AN AVERAGE IMPACT.

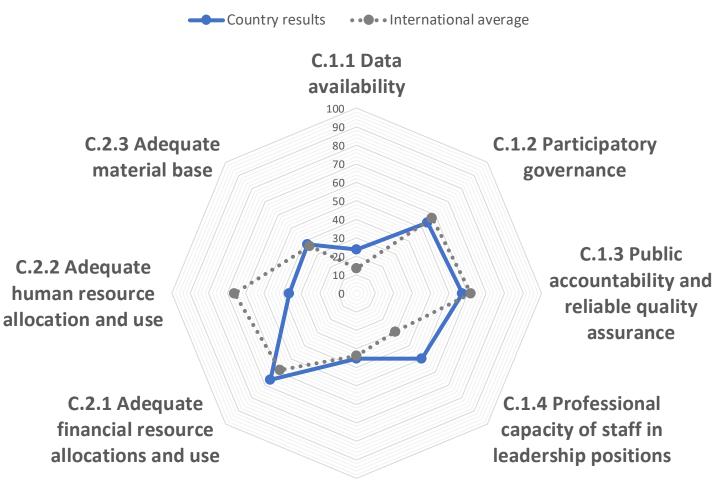
PROVIDER MANAGEMENT: ACTIONS TO PROMOTE EXCELLENCE IN GOVERNANCE AND PROVIDER MANAGEMENT WERE MORE SUCCESSFUL.

SYSTEM'S ABILITY TO PROMOTE INCLUSIVITY COULD USE IMPROVEMENT.

INNOVATION: THE SYSTEM'S OPENNESS AND CAPACITY FOR INNOVATION IN SUPPORT OF ACCESS AND PARTICIPATION IN LIFELONG LEARNING COULD USE IMPROVEMENT TOO

SYSTEM ORGANISATION (AREA C): DATA MANAGEMENT, STAKEHOLDER ENGAGEMENT, AND INTERNATIONAL EXPOSURE





C.1.5

Internationalisation

CAPACITY OF STAFF IN LEADERSHIP POSITIONS, BUT VARYING OPINIONS ON THEIR COMPETENCES...

STAKEHOLDER ENGAGEMENT: AVERAGE ENGAGEMENT FROM THE PRIVATE SECTOR AND EXTERNAL STAKEHOLDERS IN DECISION-MAKING PROCESSES.

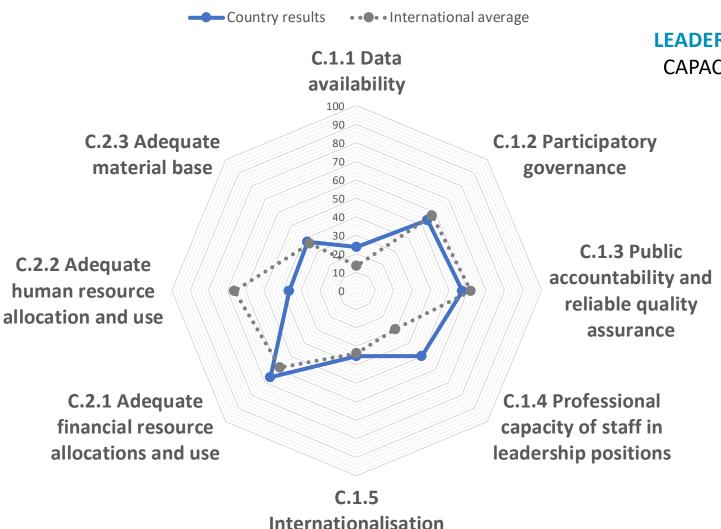
QUALITY ASSURANCE AND PUBLIC

ACCOUNTABILITY: SCOPE FOR IMPROVEMENT IN PUBLIC ACCOUNTABILITY AND QUALITY ASSURANCE MECHANISMS.

INTERNATIONALISATION: MODEST EXTENT OF INTERNATIONAL EXPOSURE; NOT WIDESPREAD OR SYSTEMIC ACROSS VET LANDSCAPE. ERASMUS+ PROGRAMS HELP.

SYSTEM ORGANISATION (AREA C): STAFFING AND RESOURCE MANAGEMENT





CAPACITY: BIH OUTPERFORMS IN PROFESSIONAL CAPACITY OF STAFF IN LEADERSHIP POSITIONS, BUT VARYING OPINIONS ON THEIR COMPETENCES.

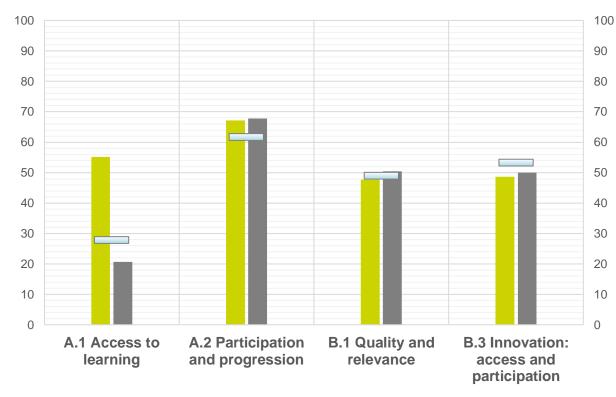
HUMAN RESOURCES: NEED FOR MORE EFFECTIVE STRATEGIES FOR PERSONNEL DEPLOYMENT AND CAREER MANAGEMENT IN VET SECTOR.

PERFORMANCE IN TERMS OF AVAILABLE FINANCIAL RESOURCES; HOWEVER, STRATEGIC ALLOCATION AND UTILISATION, ESPECIALLY FOR TEACHING RESOURCES AND INFRASTRUCTURE, NEED ENHANCEMENT.

MATERIAL BASE: SUBSTANTIAL INVESTMENTS IN PHYSICAL INFRASTRUCTURE, YET MORE REQUIRED, PARTICULARLY IN SMALLER CITIES.

GENDER ANALYSIS OF VET SYSTEM PERFORMANCE IN BIH





■ Female learners - youth ■ Female learners - adults — Average for the monitoring dimension

YOUNG WOMEN:

INCREASED ENROLLMENT IN 3-YEAR VET PROGRAMMES, ESPECIALLY IN SOME REGIONS

DEMONSTRATED RESILIENCE IN PARTICIPATION AND PROGRESSION WITHIN VET, EXCEEDING THE NATIONAL AVERAGE.

BENEFITING EQUALLY FROM QUALITY AND INNOVATIVE LEARNING STRATEGIES, ALIGNING WITH ALL LEARNERS REGARDLESS OF AGE OR GENDER.

POSSIBLE HIGHER OPPORTUNITIES FOR TERTIARY EDUCATION CONTINUATION, AS SUGGESTED BY PISA DATA.

ADULT WOMEN:

FACE SIGNIFICANT CHALLENGES ACCESSING VET, ESPECIALLY IN RURAL AREAS.

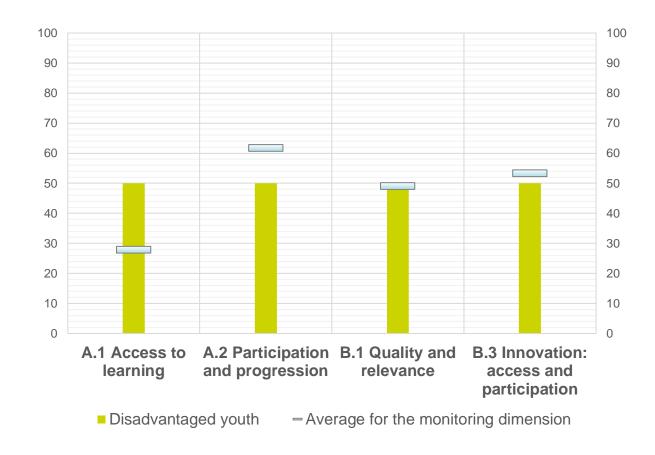
DESPITE ACCESS DIFFICULTIES, THEY DEMONSTRATE STRONG PARTICIPATION AND PROGRESSION WITHIN VET, SLIGHTLY MORE SUCCESSFUL THAN YOUNGER FEMALES.

ALSO BENEFITING FROM THE QUALITY, RELEVANCE, AND INNOVATIVE STRATEGIES OF VET LEARNING AS MUCH AS ALL OTHER LEARNERS.

PERSISTENT NEED FOR IMPROVEMENTS IN THEIR ACCESS TO VET FOR A MORE EQUITABLE SYSTEM.

VET SYSTEM PERFORMANCE FOR DISADVANTAGED YOUTH IN BIH





ACCESS TO VET: FOR DISADVANTAGED YOUTH IS ABOVE NATIONAL AVERAGE DUE TO PERCEIVED SWIFT TRANSITION TO WORK, AND STRATEGIC SUPPORTS (SCHOLARSHIPS, FREE TRANSPORTATION, TARGETED PROGRAMMES).

PARTICIPATION AND PROGRESSION: DESPITE INITIAL ACCESS, PARTICIPATION AND PROGRESSION (DIMENSION A.2) FALL BELOW AVERAGE DUE TO SOCIO-ECONOMIC HURDLES.

THE IMPACT OF SUPPORT INITIATIVES REMAINS LIMITED, WITH MOST GRADUATES OPTING FOR IMMEDIATE WORK RATHER THAN HIGHER EDUCATION.

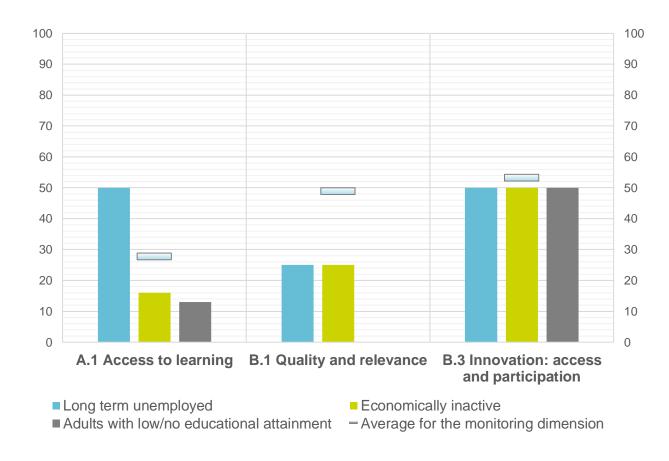
CHALLENGES EXIST IN NAVIGATING BETWEEN VET AND GENERAL EDUCATION PATHS.

QUALITY AND RELEVANCE: PERFORMANCE ALIGNS WITH NATIONAL AVERAGE IN QUALITY/RELEVANCE (DIMENSION B.1) AND INNOVATION IN ACCESS/PARTICIPATION (DIMENSION B.3).

EVIDENCE SUGGESTS DISADVANTAGED LEARNERS CAN MATCH THE ACHIEVEMENT OF ADVANTAGED STUDENTS WITH APPROPRIATE SUPPORT, YET IMPROVEMENTS NEEDED FOR OVERALL SUCCESS.

VET SYSTEM PERFORMANCE FOR DISADVANTAGED ADULTS IN BIH





LONG-TERM UNEMPLOYED LEAN TOWARDS VET, PERFORMING ABOVE AVERAGE IN ACCESS TO LEARNING DUE TO SUPPORTIVE STAKEHOLDERS AND CVET OPPORTUNITIES.

ECONOMICALLY INACTIVE ADULTS AND THOSE WITH LOW/NO EDUCATION FACE SIGNIFICANT CHALLENGES IN ACCESSING VET, UNDER-UTILISING CVET OPTIONS DUE TO LIMITED RELEVANCE OR APPEAL

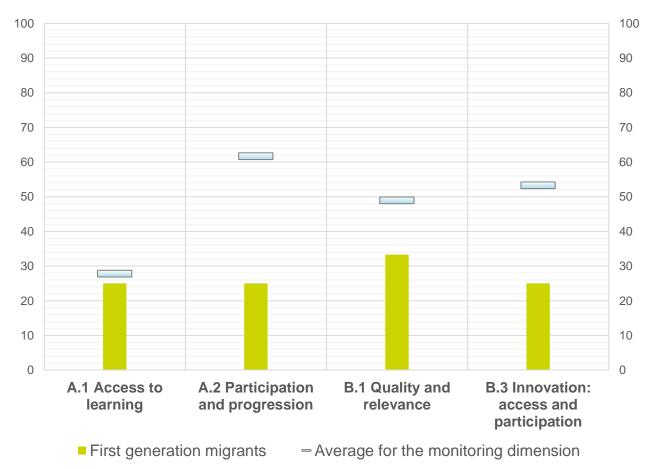
IN THE ACQUISITION OF BASIC SKILLS AND TRANSITION TO LABOUR MARKET, BOTH LONG-TERM UNEMPLOYED AND ECONOMICALLY INACTIVE GROUPS PERFORM LOWER THAN AVERAGE, INDICATING A NEED FOR PERSONALISED SUPPORT MEASURES.

ALL LEARNER GROUPS BENEFIT FROM INNOVATIVE APPROACHES LIKE DIGITAL SERVICES, JOB MATCHING SYSTEMS, AND THE ESTABLISHMENT OF DEDICATED DEPARTMENTS.

WHILE **VET SYSTEM SHOWS NO MAJOR BIASES**, THERE IS STILL ROOM FOR IMPROVEMENT TO ENSURE SYSTEM-WIDE BENEFITS FOR THESE DISADVANTAGED GROUPS.

VET SYSTEM PERFORMANCE FOR FIRST-GENERATION MIGRANTS IN BIH





MIGRANTS CAN ACCESS VET ON PAR WITH OTHER GROUPS, BUT FACE SIGNIFICANT CHALLENGES WITHIN THE VET SYSTEM UPON ENTRY

SIGNIFICANT LIMITATIONS FOR MIGRANTS IN ACTIVE PARTICIPATION AND SUCCESSFUL COMPLETION WITHIN THE VET SYSTEM.

LIMITATIONS FOR MIGRANTS MAY BE INFLUENCED BY PERCEPTIONS OF BOSNIA AND HERZEGOVINA AS A NON-PERMANENT DESTINATION.

LANGUAGE BARRIERS AND ISSUES WITH RECOGNITION OF PRIOR LEARNING ACT AS HURDLES FOR MIGRANTS' PERFORMANCE.

BEST PERFORMANCE FOR MIGRANTS IS IN QUALITY AND RELEVANCE,
BUT LIMITED DATA ON BASIC SKILLS AND COMPETENCIES ACQUISITION.

LACK OF COMPREHENSIVE DATA ON MIGRANT LEARNERS HINDERS DEVELOPMENT OF EFFECTIVE POLICIES AND PROGRAMMES.

KEY TAKEAWAYS



Access and Attractiveness: The VET system of BIH faces accessibility and attractiveness issues, especially for the CVET subsystem. VET supports its learners effectively, reducing dropout rates, but needs increased flexibility for learners who want to switch between parallel educational paths.



Quality and Participation: The quality and relevance of VET in BIH presents a challenge, particularly for younger learners. Despite the satisfactory level of career guidance and the country's adaptability to strategic changes such as digitalization, the skills gained from the program do not necessarily translate into increased employability



Excellence and innovation: BIH is committed to achieving excellence and innovation, with mixed results. The efforts to promote high-quality teaching and PD have had average success, while governance and provider management have seen more significant improvement. The system's capacity for promoting inclusivity and innovation could be enhanced.



System Management and Organisation: The VET system demonstrates both strengths and weaknesses in organisational efficiency and performance. Despite a good ability to manage data and strong leadership, engaging external stakeholders needs attention, just like quality assurance, human resources management, and strategic allocation of material resources.



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