

Bridging Innovation and Learning in TVET

UNESCO-UNEVOC

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Setting the scene

- Construction & infrastructure sector is undergoing three major transitions:
 1. Greening – low-carbon, sustainable building practices
 2. Digitalisation – tech reshaping how we design, build & train
 3. Migration – workforce mobility, skills transfer, inclusion
- TVET must adapt rapidly to meet new skills demands & sustainability goals

What is BILT

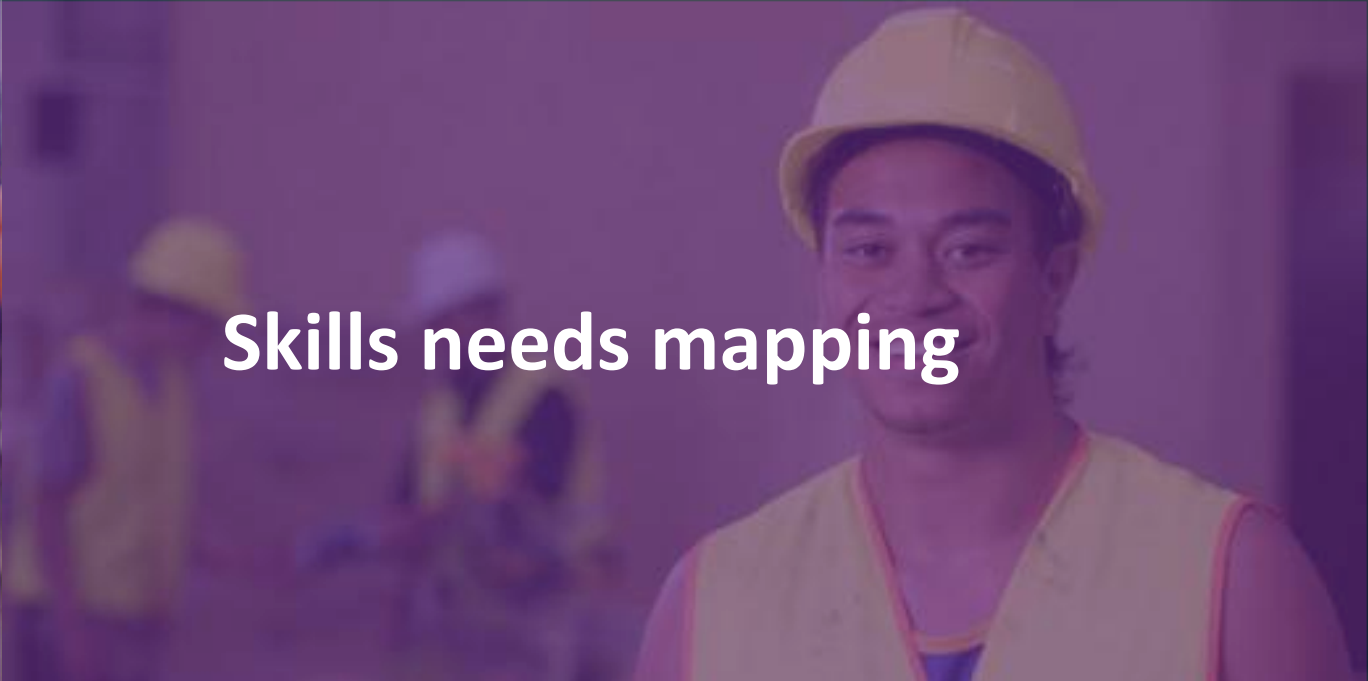
- Bridging Innovation and Learning in TVET – UNESCO-UNEVOC global platform
- Facilitates peer learning & innovation adoption across regions
- First sector-specific Expert Group for C&I (2024–25)
- Members from Africa, Asia-Pacific, Europe – policy, industry, training





BILT Expert Group 2024/25 objective

**Facilitating dialogue
and knowledge sharing**



Skills needs mapping



**Innovative initiatives
recommendations**

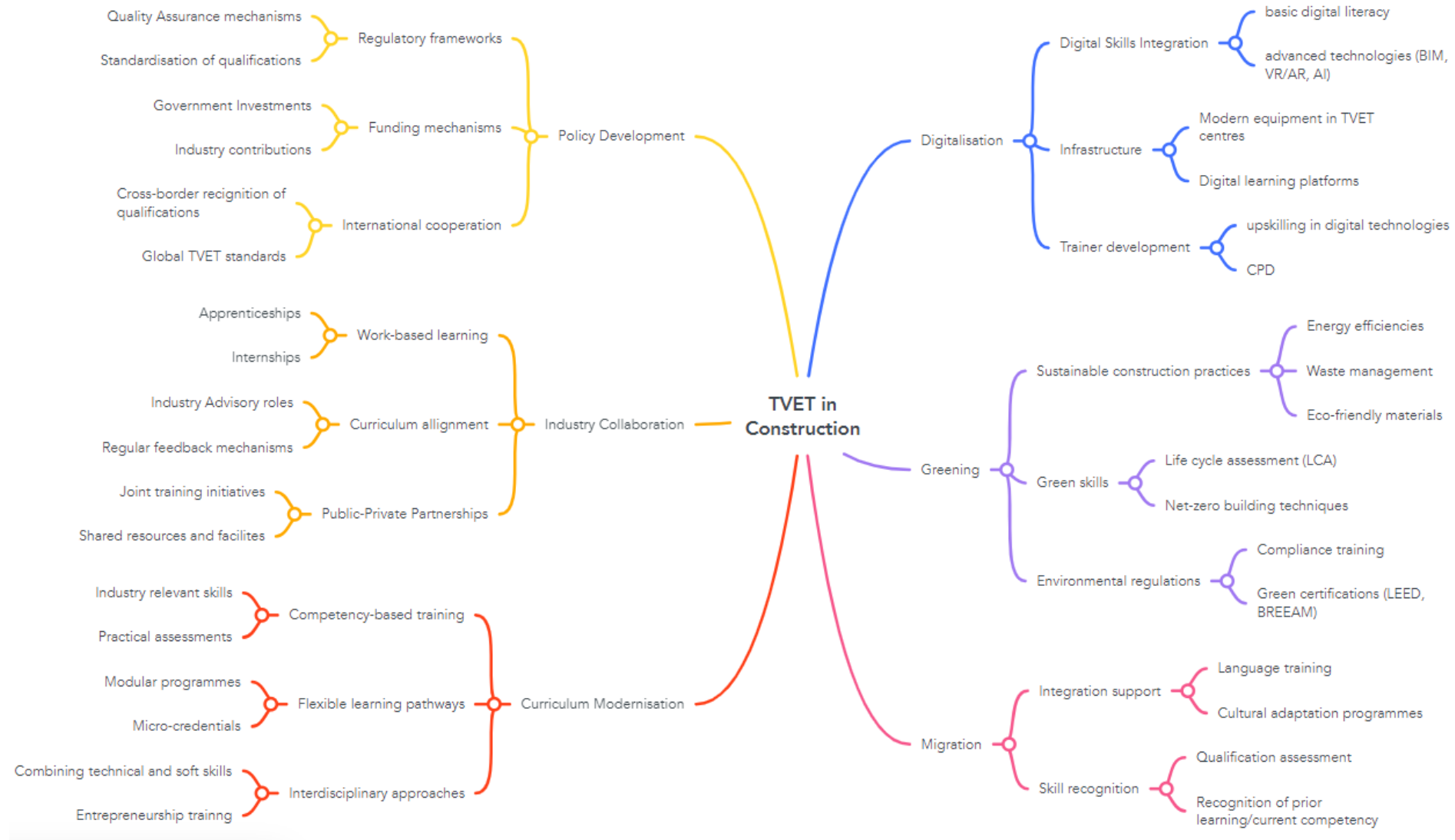
**Establish strategic
partnerships**

Collaborative methodology for global insights

- * Expert group review from various regions
- * Innovative Learning Practices
- * Systematic mapping review / scoping review
- * Significant variations in TVET approaches



Initial mapping



Challenges across the themes

- * Skills shortages
- * Educator skill need
- * Increase quality apprenticeships and work-integrated learning
- * Improve industry connections





Increase investment



Green construction curricula



**Policy frameworks to
support migrant workers**

Partnership with industry

Macro-level: policy

Strengthen TVET frameworks to support green, digital and migration transitions

- Integrate sustainability, digitalisation and inclusion explicitly in **national qualification standards**.
- **Embed recognition of prior learning (RPL)** into national skills systems to validate informal and migrant-acquired skills.
- Align TVET policies with **labour market strategies**, climate goals, and safe/ethical migration frameworks.
- Increase **public investment** in digital and green training infrastructure, especially in low-resource contexts.
- Promote **cross-border policy alignment** for credential recognition and skills portability.

Meso-level: advocacy and partnerships

Build coalitions for transformation

- Strengthen **industry–TVET partnerships** to co-design curricula, especially for emerging green & digital occupations.
- Foster **international and regional cooperation** to share innovative practices and harmonise standards.
- Advocate for **gender equality and inclusion** in all TVET reforms, targeting underrepresented groups in C&I.
- Promote awareness campaigns that **rebrand the sector** as safe, innovative, and inclusive.
- Encourage **bilateral/multilateral agreements** to facilitate safe migration pathways and skills mobility.

Micro-level: provision and delivery

- **Innovate at the training provider level**
- Embed **green skills and digital competencies** across full qualifications and targeted micro-credentials.
- Leverage **emerging technologies** (BIM, XR, drones, AI) to modernise teaching and assessment.
- Implement **blended learning models** to increase accessibility for remote, migrant, and disadvantaged learners.
- Develop **context-specific short courses** to address urgent skills gaps (e.g., retrofitting, energy efficiency).
- Provide **trainer upskilling** in both pedagogy and technology use to keep pace with industry change.