SEAMEO CENTRES POLICY RESEARCH NETWORK (CPRN) SUMMIT 2025

Building Bridges to a Sustainable Future: Inclusive Collaboration and Innovation in Education, Science, and Culture

SEAMEO VOCTECH researcher's perspective

Dr Paryono
SEAMEO VOCTECH

HOSTED BY
SEAMEO VOCTECH Regional Centre, Brunei Darussalam

SUPPORTED BY
MINISTRY OF EDUCATION BRUNEI DARUSSALAM
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CfBT Education Services
german cooperation
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SEAMEO VOCTECH's Strategic Research Supporting Policy Development in Southeast Asia

Research Project

- **Smart Education Readiness Index (SERI)**
- Graduate Employment Study & Employer Satisfaction Survey (commissioned by HiED MoE)
- Regional TVET Teacher Standards for ASEAN
- HRD Readiness in ASEAN

CPRN Research

Policy relevance

- **Adopted as KPI by MoE Brunei and education institutions in SEA**
- Guides study programme review
- Supports regional alignment
- Informs HRD strategy

SERI Framework for Assessing the Readiness of TVET Institutions for IR 4.0.

BLOCKS	PROCESS			TECHNOLOGY			ORGANISATION	
PILLARS	Curriculum	Stakeholder Engagement	Teaching & Learning	Infra-structure	Intelligence	Connectivity	Structure & Management	Talent Readiness
DIMENSIONS	General/ transversal skills	Industry	Teaching & learning process	Digital infrastructure readiness	Automation	Risk & cyber security management	Embedded IR 4.0 in the organisation's vision & mission	Current workforce is capable to adopt IR 4.0-related technologies
	Specific/ specialised skills	Non-industry	Assessment	Digital Storage	Machine Learning	Digital inter-connectivity	Policies that guide institution to adapt IR 4.0-related technologies	Training plans in place to develop our workforce's capabilities, skills and competencies
				Innovative analysis			Plans to implement IR 4.0-related technologies	Capable task force to drive IR 4.0 integration

- Assessing TVET institutions for digital transformation using SERI (Smart Education Readiness Index) framework:
- A complete assessment matrix can be found at https://voctech.org/wp-content/uploads/2023/05/SERI-Assment-Matrix_For-SV-SEA-VET.Net_.pdf

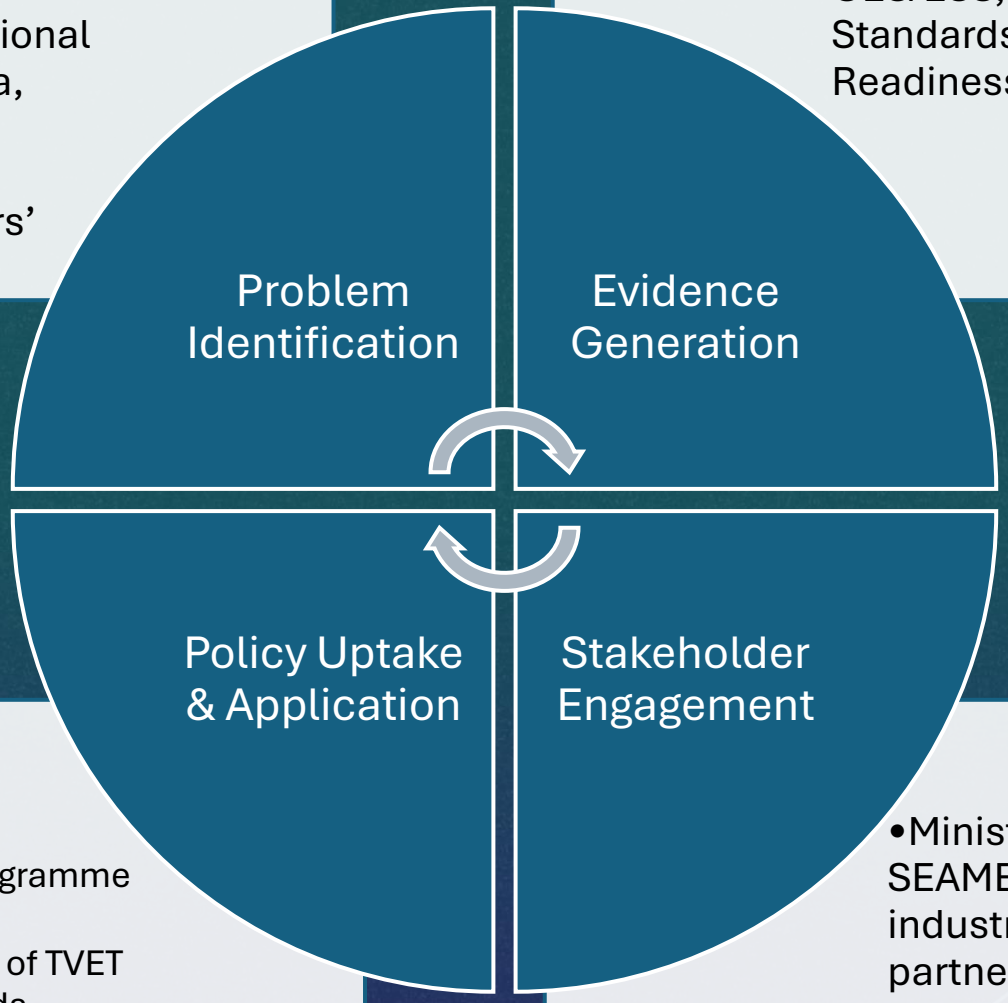
From Research to Policy Impact:

Request from High Official Meeting (SEA-TVET HOM) and supported by SEAMES and MoE Brunei → Framework and assessment tool development and pilot testing → Adoption at the institutional (continuous improvement) and national level (KPI monitoring tool) → Continue refinement and socialisation

From Research to Policy Impact: Bridging the Gap

- Based on national/regional TVET agenda, issues & challenges, policymakers' request

- GES/ESS, SERI, Standards, HRD Readiness survey



- SERI as KPI tool
- GES/ESS for programme improvement
- ASEAN adoption of TVET teacher standards

- Ministries, ASEAN and SEAMEO Secretariat, industry, Development partners

Thank you