

Capacity building in renewable energy & energy efficiency in Fiji

European Union Pacific Technical and Vocational Education and Training Project



EU PacTVET

European Union Pacific Technical and Vocational Education and
Training on Sustainable Energy and Climate Change Adaptation Project

Objectives

- EU-PacTVET project background
- Development of regional qualifications
- Regional Certificates 1 to 4 in Sustainable Energy
- Accreditation of regional qualifications
- Conclusion

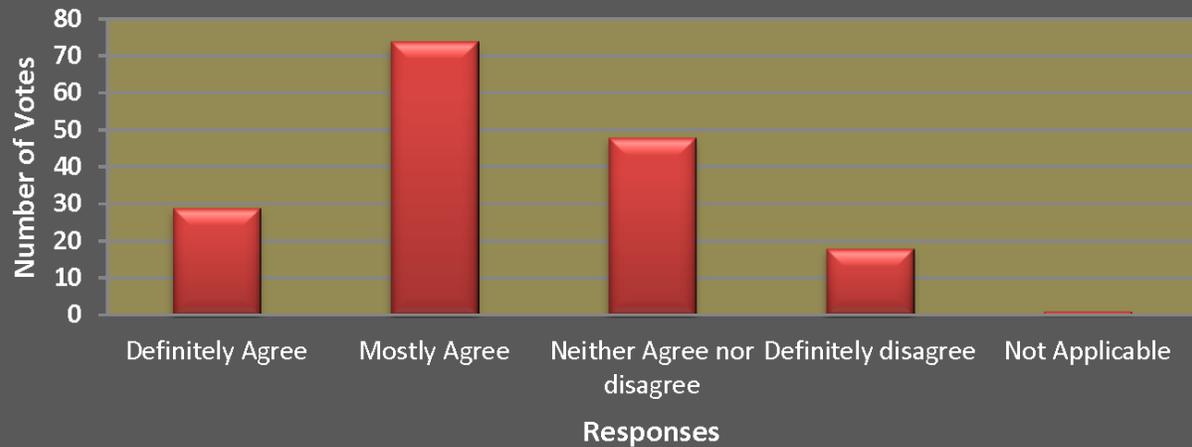
EU-PacTVET project background

- **Purpose:** Enhance and/or create P-ACP countries' regional and national capacity to respond to climate change adaptation and sustainable energy challenges
- **Donor:** European Union (co-financing from GIZ)
- **Funding amount:** EUR 6.3 million
- **Duration:** Total of 71 months (ends 30 June 2020)
- **Countries:** 15 P-ACPs (Cook Islands, FSM, Fiji, Kiribati, Marshall Islands, Nauru, Niue, Palau, PNG, Samoa, Solomon Islands, Timor Leste, Tonga, Tuvalu, Vanuatu)
- **Implementation agencies:** SPC and USP

Development of regional qualifications

- **2015:** The project conducted a Training Needs & Gaps Analysis across the 15 P-ACPs

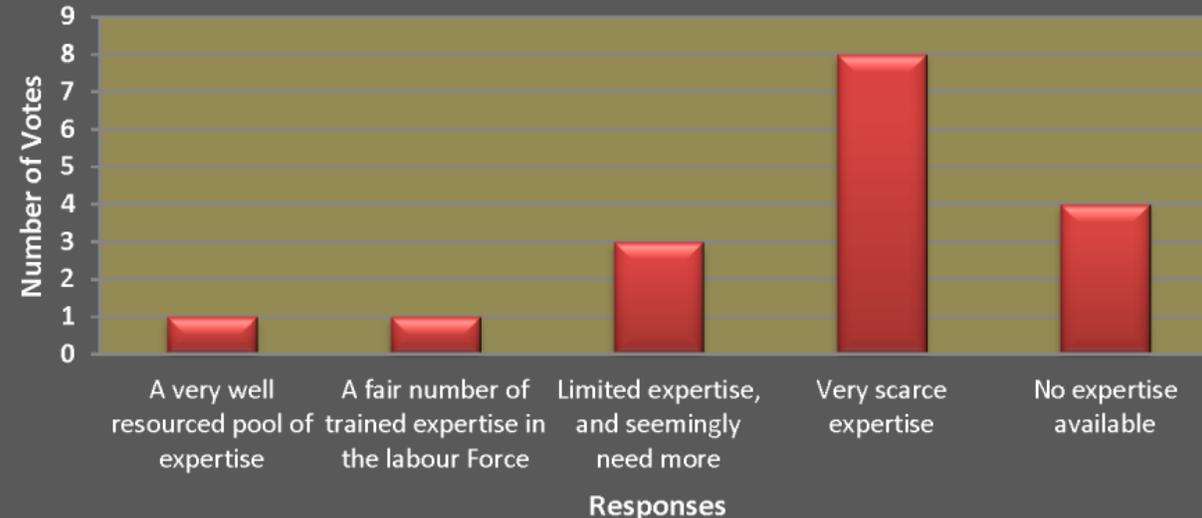
TVET Graduates employed in SE Industries are Lacking certain Transferable/Functional Skills [utilities/Energy Offices]



Mastery of Knowledge-based Skills on Sustainable Energy in the Energy Sector [Utilities/ Energy Offices]

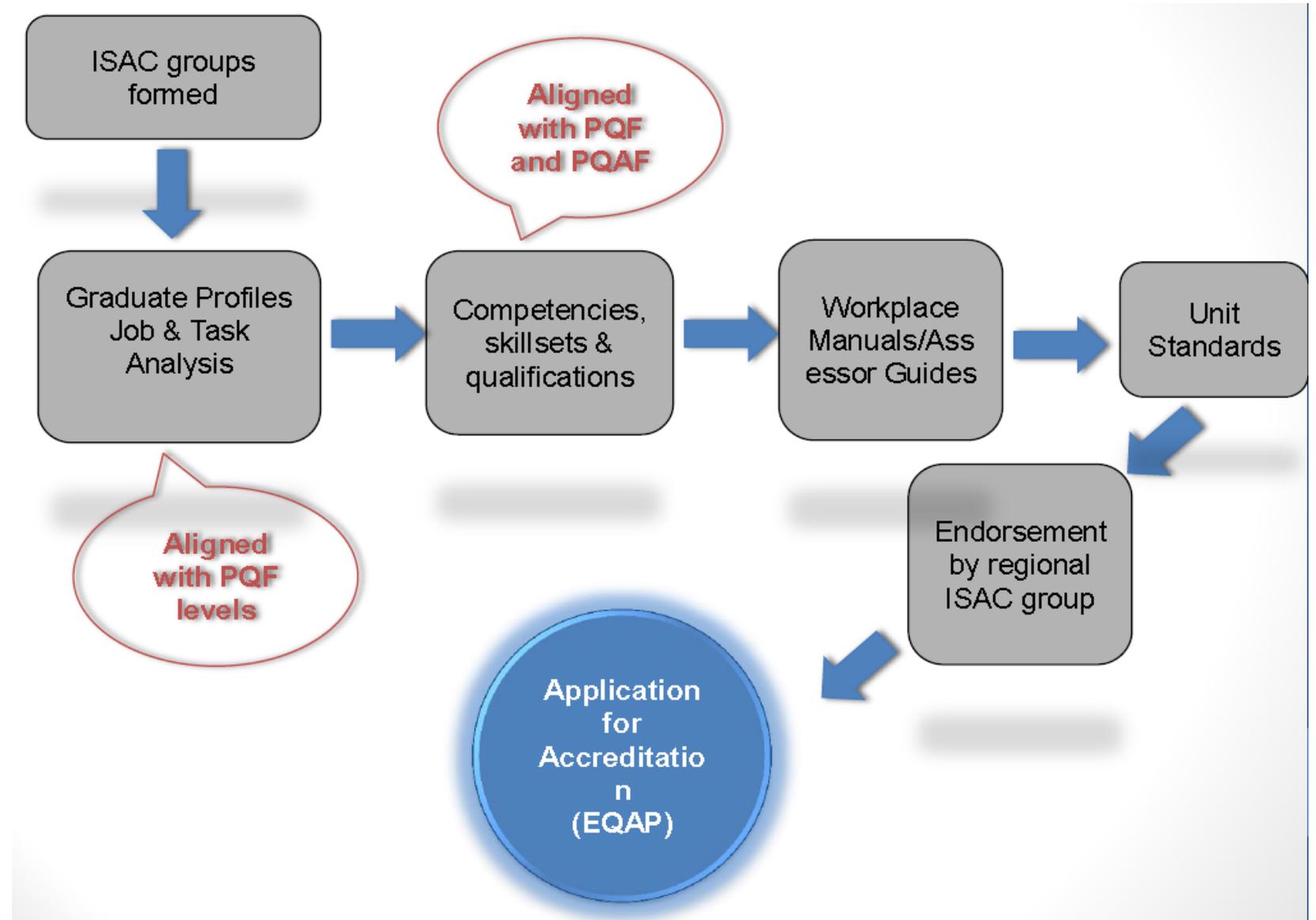


Lack of Capacity to Collect, Compile and Analyse Hydrological Data [Utilities/Energy Offices]



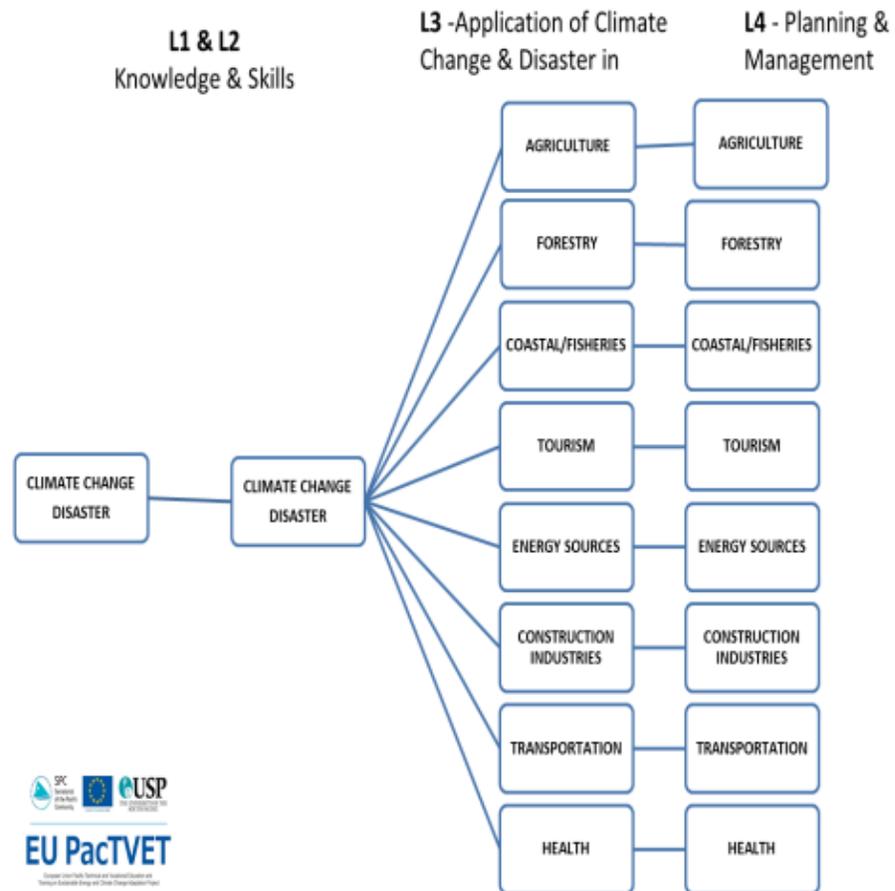
Development of regional qualifications (cont'd)

- **Late 2015 – Early 2017:**
The project worked with the regional ISAC groups to develop 8 regional qualifications
- Certificates 1 to 4 in Resilience
- Certificates 1 to 4 in Sustainable Energy

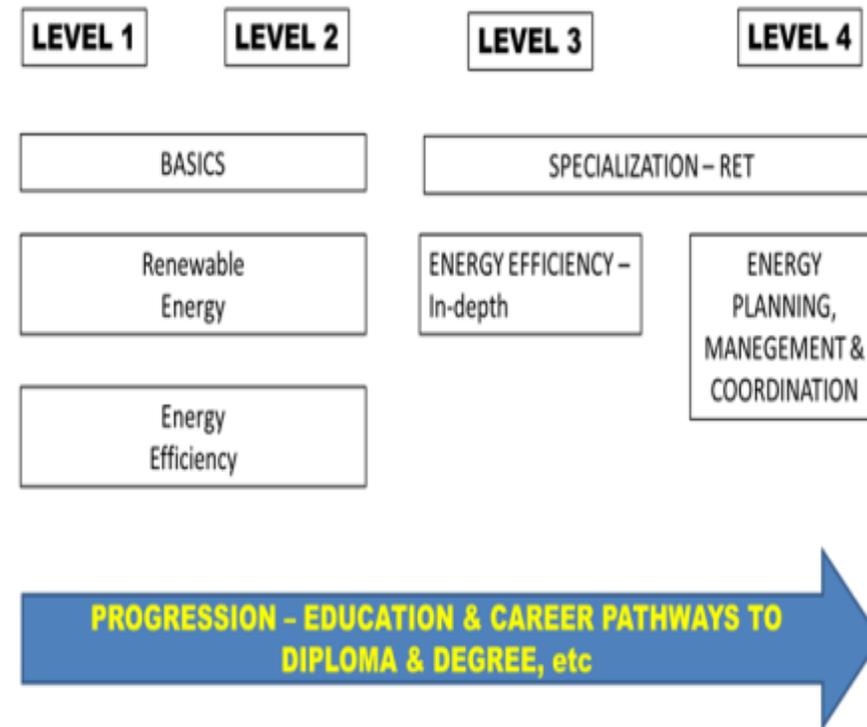


Development of regional qualifications (cont'd)

Regional Certificates I-4 in Resilience (Climate Change Adaptation and Disaster Risk Reduction)



Regional Certificates I-4 in Sustainable Energy



Regional Certificates 1 to 4 in Sustainable Energy (cont'd)



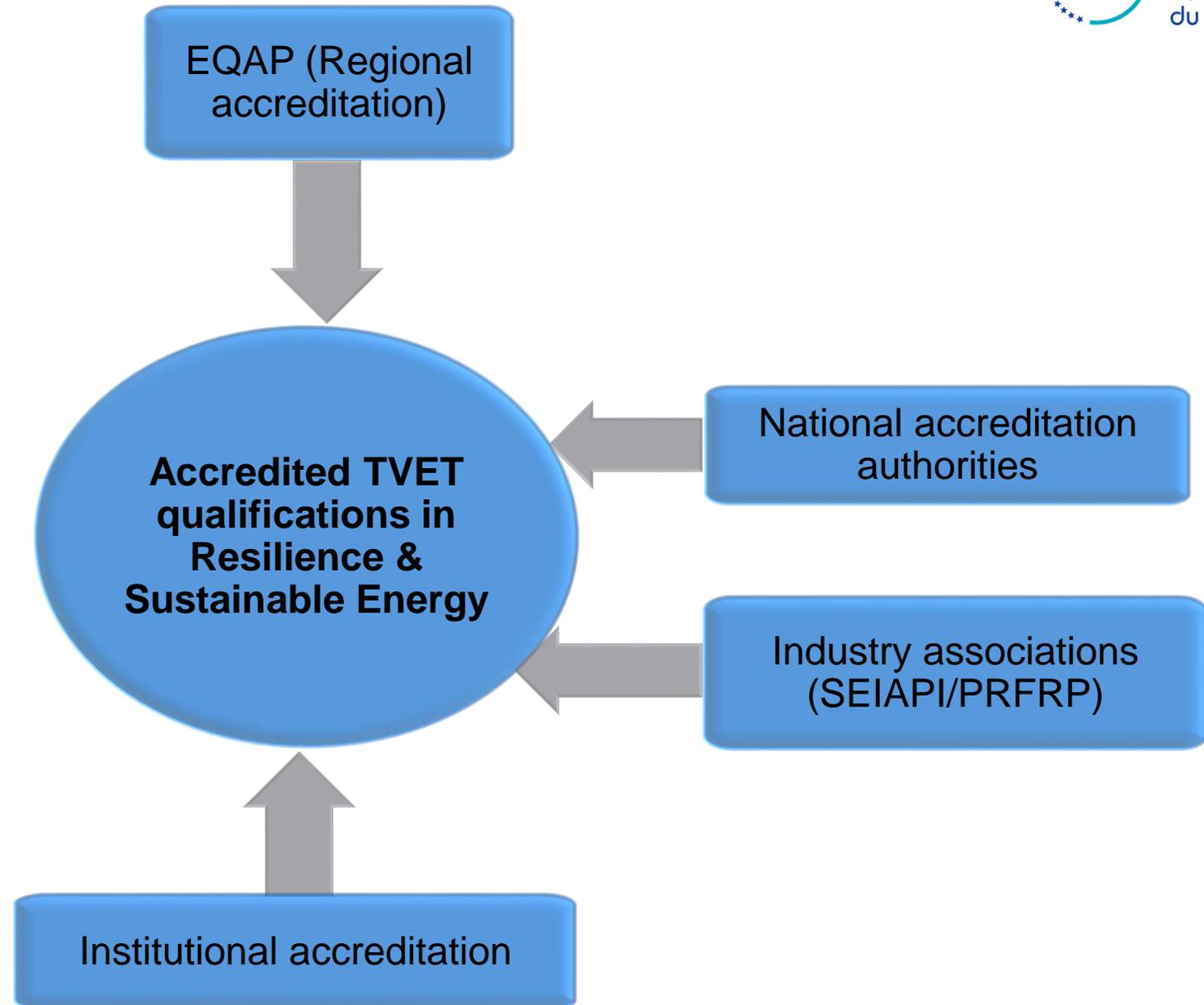
GENERIC UNIT STANDARDS (CG) (Note: may be included in qualifications one level higher or lower)

ID	Title <i>Unit Codes: CG=Generic Unit Strands: EM=Energy Management (1); Energy Efficiency = EE (2) RE specialisations (3): S=Solar; HW= Hybrid Wind Systems; B=Biomass; MH=Micro Hydro</i>	PQF CP	Applied Qualification Levels				Energy Mgmt Level 4
			1	2	3 All strands +EE	4 RE	
TEAMWORK							
CG2001	Participate in a team towards an objective	4					
WORK SKILLS							
CG2002	Collect, present and apply workplace information	4					
CG3001	Provide quotations for installation or service jobs	4					
CG4001	Source and purchase material/parts for installation or service jobs	4					
COMMUNICATION							
CG1001	Apply appropriate workplace communication skills	6					
CG2003	Identify and apply Appropriate Cultural Protocols for Pacific Island countries and communities	6					
CG4102	Coordinate effective workplace communications	6					
PROJECT SKILLS							
CG3002	Carry out simple project activities in Sustainable Energy	6					
CG4103	Administer and support projects in Sustainable Energy	7					
SAFETY							
CG1002	Apply workplace health and safety procedures	3					
CG3003	Comply with scheduled and preventative maintenance program processes	5					
CG4002	Contribute to WHS Hazard Identification and Risk Assessment for work sites	5					
TOTALS	Generic Units		4 (17)	3 (14)	3 (15)	2 (9)	3(18)
	Core Skill Units		4 (23)	4 (26)	6 (30) EE 4(25)	5 (31)	4 (23)
	Credit Points		40	40	45 EE(40)	40	40

Accreditation of regional qualifications

- **2017 –2018:**

- All 8 qualifications regionally accredited by EQAP
- Development of learning resources
- Training of trainers
- Training delivery
- Toolkit for delivery of regional qualifications is being finalised by EQAP



Conclusion

The EU-PacTVET project is:

- addressing the need to include Resilience and Sustainable Energy in TVET curriculum;
- working towards a paradigm shift away from ad-hoc trainings to more formal trainings that lead to a qualification;
- actively contributing towards the portability of qualifications within the Pacific region;
- working towards the recognition of trainings for future employment and higher education; and
- creating a pool of certified trainers (general and content-specific)

