



### SWOT ANALYSIS MATRIX

Year: **2022**

Office/Unit: **RENEWABLE ENERGY RESEARCH CENTER**

(1) Key Area	PESTLE	(2) ACTIVITY/PROCESS	(4) STRENGTHS (S)	(5) WEAKNESSES (W)	(7) OPPORTUNITIES (O)	(8) THREATS (T)
Ensuring Research Relevance (G2, KRA1)  Communication of Research Results (G2, KRA5)	<b>POLITICAL</b>	Publication of research outputs				
	<b>ECONOMIC</b>					<b>RERC-22-T1</b> High competition and reduced funding for Research
	<b>SOCIAL</b>					
	<b>TECHNOLOGICAL</b>				<b>RERC-22-O1</b> The Philippine Government is supporting RDE of RE Technologies through R.A. 9367-The Biofuel Act of 2006 and R.A. 9513-The Renewable Energy Act of 2008	
	<b>LEGAL</b>					
	<b>ENVIRONMENTAL</b>					
	<b>Human Resource (Internal)</b>			<b>RERC-22-W1</b> The Center has no regular research staff.	<b>RERC-22-O2</b> The two (2) existing Science Research Assistance (SRAs), who are registered AB Engineers, are very qualified to be given regular Science	<b>RERC-22-T2</b> Transfer of the two (2) trained JO SRAs of the Center to other agencies interested to hire them

(1)		(2)	(4)	(5)	(7)	(8)
Key Area	PESTLE	ACTIVITY/PROCESS	STRENGTHS (S)	WEAKNESSES (W)	OPPORTUNITIES (O)	THREATS (T)
					Research Specialist position	
				<b>RERC-22-W2</b> RERC Director scheduled to retire from service in February 2022	<b>RERC-22-O3</b> New RERC Director carrying new and innovative ideas	
					<b>RERC-22-O4</b> Availability of regular faculty members with engineering and socio-economics background as affiliate researchers of the Center	
	<b>Operations (Internal)</b>		<b>RERC-22-S1</b> Through the years, the Center has conducted a number of RE-related researches and developed and /or promoted RE technologies	<b>RERC-22-W3</b> The Center lacks laboratory facilities for the conduct of advanced RE researches in biofuels, bio-energy, and other RE-related technologies		
				<b>RERC-22-W4</b> The Center lacks portable equipment for field monitoring of installed RE facilities	<b>RERC-22-O5</b> Opportunity to request laboratory tools and equipment from the university and other external funding agencies	
					<b>RERC-22-O6</b> Promotion of faculty researchers through their publication output	<b>RERC-22-T3</b> Heavy teaching workload of potential affiliate faculty researchers
					<b>RERC-22-O7</b> Existence of a duly accredited international scientific	

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					journal (Annals of Tropical Research) and an Institutional Journal (Science and Humanities Journal) in the Visayas State University	
	Financial (Internal)				<b>RERC-22-O8</b> Funding for publication fee in ISI/Scopus Indexed Journal upon request to OVPREI	<b>RERC-22-T4</b> Delayed procurement process and processing of financial documents of RDE funds causing delay of project implementation
	Marketing/Promotion		<b>RERC-22-S2</b> Research paper published in reputable national and international journals			
Ensuring Research Relevance (G2, KRA1)  Communication of Research Results (G2, KRA5)	<b>POLITICAL</b>	Utilization of research outputs by the industry or other beneficiary				
	<b>ECONOMIC</b>					
	<b>SOCIAL</b>					
	<b>TECHNOLOGICAL</b>					
	<b>LEGAL</b>					<b>RERC-22-T5</b> Potential intellectual piracy of other SUCs with similar mandate
	<b>ENVIRONMENTAL</b>					<b>RERC-22-T6</b> Typhoons and other weather disturbances may damage the RE demonstration units in the RE Park
	<b>Human Resource (Internal)</b>					
	<b>Operations (Internal)</b>		<b>RERC-22-S3</b>			

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			The Center has established working models of RE technology models through its Energy Park as showcase prototypes			
	Financial (Internal)					
	Marketing/Promotion			<b>RERC-22-W5</b> The Center has no experience in participating trade fairs/exhibits to promote RE technologies	<b>RERC-22-O9</b> Several LGUs, NGOs, and private companies are looking for appropriate RE technologies that are viable alternative sources of energy for agri-industrial purposes	
Community Empowerment (G3, KRA2)	<b>POLITICAL</b>	Partnerships with Local Government Units (LGUs), industries, Non-Government Organizations (NGOs), National Government Agencies (NGAs), MSMEs and other stakeholders as a result of extension				
	<b>ECONOMIC</b>					
	<b>SOCIAL</b>					
	<b>TECHNOLOGICAL</b>					
	<b>LEGAL</b>					
	<b>ENVIRONMENTAL</b>					<b>RERC-22-T7</b> Constrained project implementation due to severe weather disturbances hindering the connection between two interested parties

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	Human Resource (Internal)			<b>RERC-22-W6</b> Limited manpower. The Center has no regular research staff, one (1) permanent administrative staff, and SRAs are on Job Order status	<b>RERC-22-O10</b> Presence of faculty members and researchers in VSU with diverse and relevant fields of expertise on RE	
	Operations (Internal)		<b>RERC-22-S4</b> The Center has existing collaborations and working relationships with some LGUs NGOs, NGAs and other stakeholders which can be strengthened		<b>RERC-22-O11</b> Emerging development needs on renewable energy and interests of LGUs, industries, NGOs, NGAs, MSME and other stakeholders in this period of pandemic and climate change	
	Financial (Internal)					
	Marketing/ Promotion		<b>RERC-22-S5</b> Well-established RE Park showcasing demonstration units for students, stakeholders, and other interested parties			
Capability Development (G2, KRA4)	<b>POLITICAL</b>	Conduct of trainings and provisions of advisory service				
	<b>ECONOMIC</b>					
	<b>SOCIAL</b>					
Enhanced capacities of faculty, staff and students to engage in extension (G3, KRA1)	<b>TECHNOLOGICAL</b>				<b>RERC-22-O12</b> Internet infrastructure of the country is a priority program of the Department of Information and	

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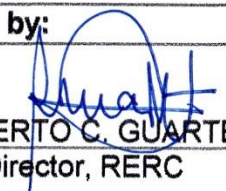
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Community Empowerment (G3, KRA2)					Communications Technology (DICT)	
	LEGAL					
	ENVIRONMENTAL					
	Human Resource (Internal)					
	Operations (Internal)		<b>RERC-22-S6</b> Availability of training facility with adequate equipment and technology	<b>RERCC-22-W7</b> Limited space for face-to-face training		
				<b>RERCC-22-W8</b> No internet connectivity for online trainings and webinars	<b>RERC-22-O13</b> VSU is focused on providing Internet connectivity to all its campuses	
	Financial (Internal)					
	Marketing/Promotion					
Communication of Research Results (G2, KRA5)	<b>POLITICAL</b>	Delivery of extension programs consistent with the SUC's mandate and priority programs				<b>RERC-22-T8</b> High competition and reduced funding for Extension
Enhanced capacities of faculty, staff and students to engage in extension (G3, KRA1)	<b>ECONOMIC</b>					
	<b>SOCIAL</b>					
	<b>TECHNOLOGICAL</b>					
	<b>LEGAL</b>					
	<b>ENVIRONMENTAL</b>					
Community Empowerment (G3, KRA2)	Human Resource (Internal)			<b>RERC-22-W9</b> There is no regular research staff in the Center	<b>RERC-22-O14</b> Availability of faculty members and researchers in VSU which can be tapped for extension programs and services	

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	Operations (Internal)		RERC-22-S7 Operational RE Park, an extension program aligned with the VSU's mandate and priority programs	RERC-22-W10 Lack of digital media facilities and equipment		
	Financial (Internal)					
	Marketing/ Promotion					

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Date: January 12, 2021	Date:	Date:

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