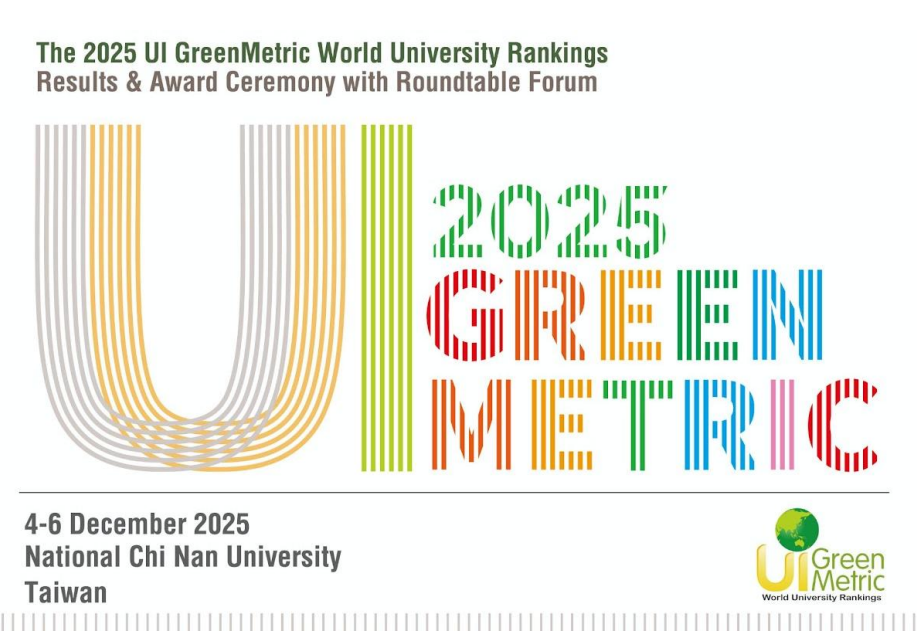




2025 UI Green Metric World University Rankings Results and Award Ceremony with Roundtable Forum



Environmental Governance of Fo Guang University: Carbon Reduction, Disaster Prevention, and Sustainability Education

Office of Sustainable Development, Fo Guang University

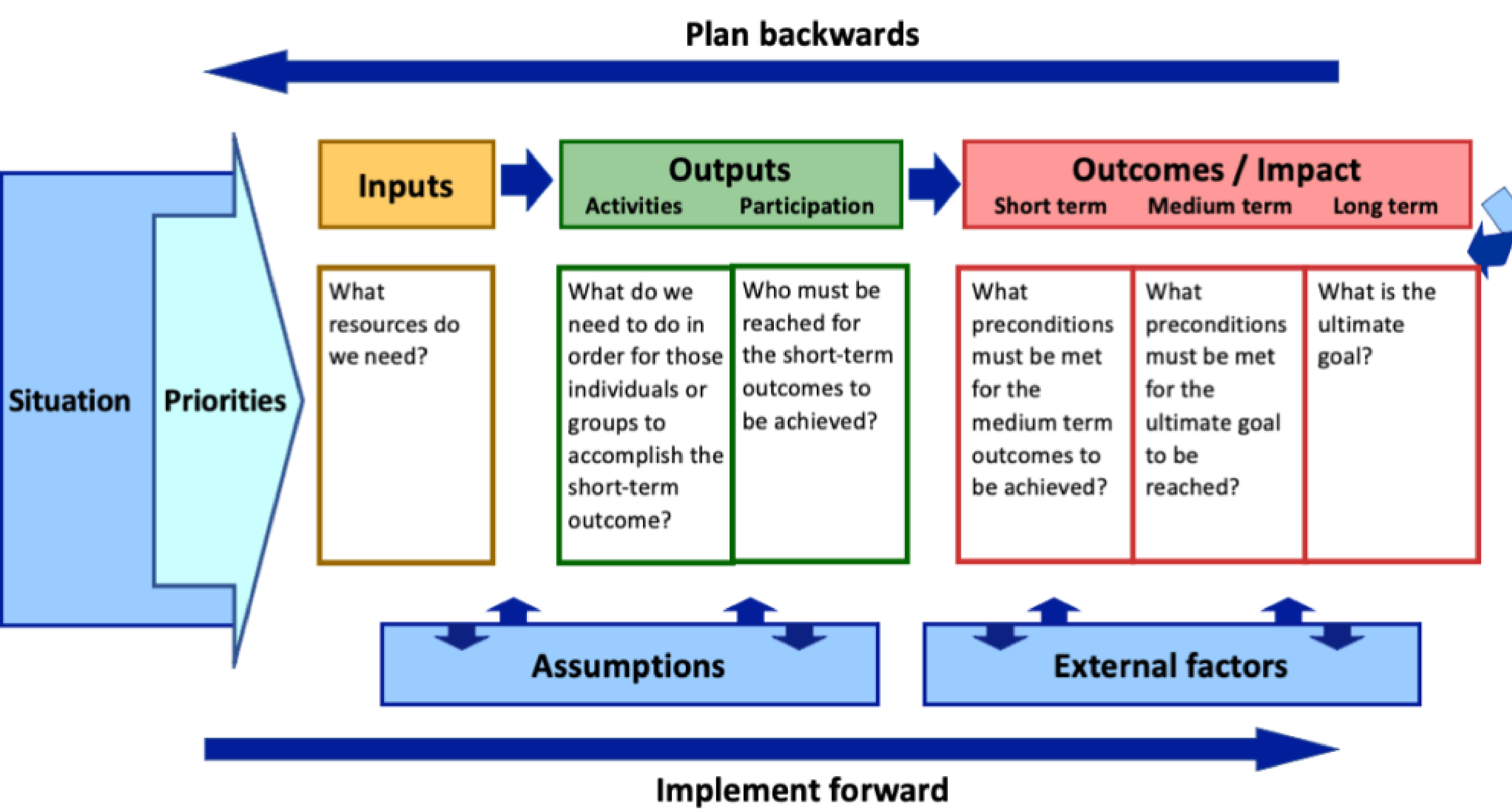
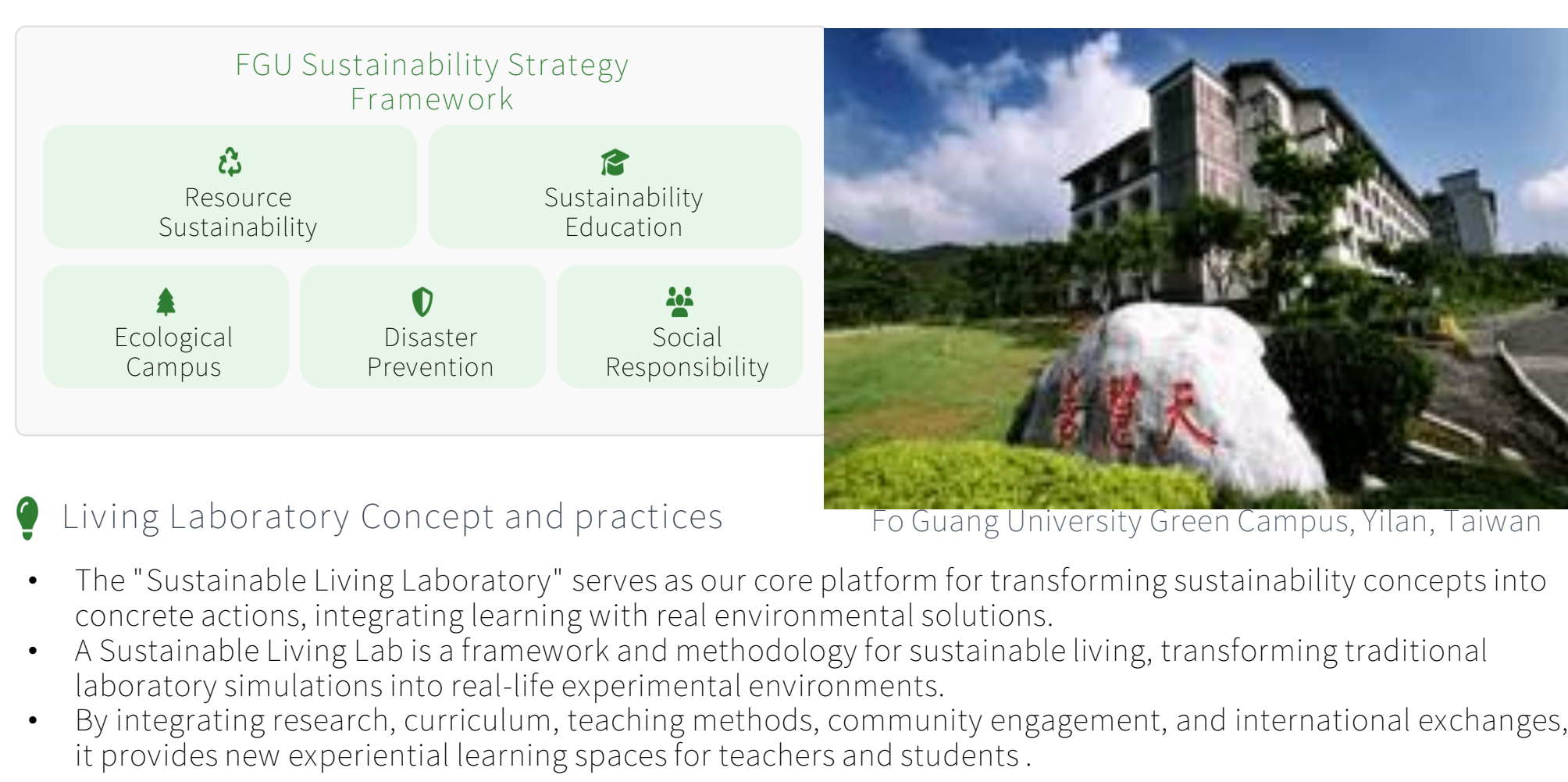
Yuan-Ron Ma Hong-Teng Chou Yu-Pei Chien

Fo Guang University has strategically embedded sustainable development into its institutional governance framework, guided by the vision of a "Green University, Joyful Learning Environment." Grounded in Venerable Master Hsing Yun's philosophy, the university aligns its medium-term development plans with the UN Sustainable Development Goals (SDGs) and commits to achieving net-zero emissions by 2050. **Governance and Implementation:** The university employs a PDCA quality assurance mechanism to advance resource sustainability management and cultivate an ecological campus. Cross-departmental bodies, including the Energy Management Committee and Environmental Safety and Health Committee, incorporate ISO 50001 standards. Resources from the Higher Education Sprout Project support energy-saving improvements, interdisciplinary courses, and faculty professional development. **Stakeholder Collaboration:** Aligned with SDG 17, the university collaborates with government agencies, industry partners (Cisco, Green Ji-Quan), NGOs, and local communities. These partnerships extend university social responsibility across Yilan's 12 townships, co-creating initiatives such as "Sustainable Vegetarian Ecosystems" and "Zero-Carbon Tourism". **Environmental Performance:** Utilizing a "Sustainable Living Laboratory" platform, the university has achieved a 41.42% reduction in cumulative greenhouse gas emissions since adopting ISO 50001 in 2018. Comprehensive campus optimization encompasses tree planting, water resource management, green procurement, and innovative disaster prevention training integrating carbon reduction with resilience. **Assessment and Innovation:** Performance evaluation employs a logic model framework with clear goals, activities, outputs, and outcome indicators. Regular ISO 50001 audits and ISO 14064-1 greenhouse gas inventories ensure transparency and continuous improvement. The university innovatively integrates disaster prevention, carbon reduction, and AI-enabled ecological monitoring, establishing a regional carbon management training base that cultivates sustainability-literate citizens and serves as a hub for local sustainable development.

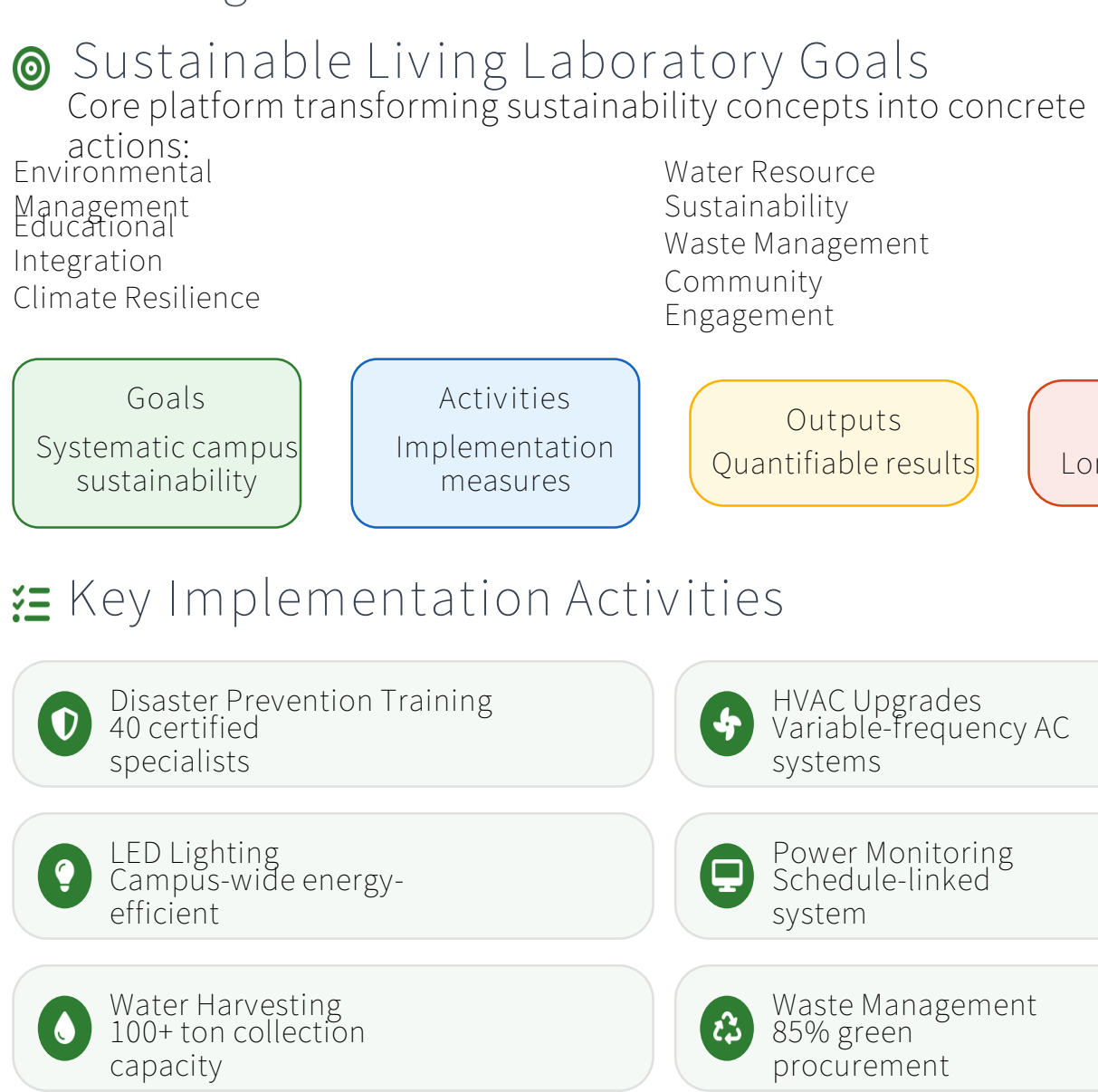
Environmental Management Policies and Strategic Planning

Fo Guang University's Sustainable Development Framework

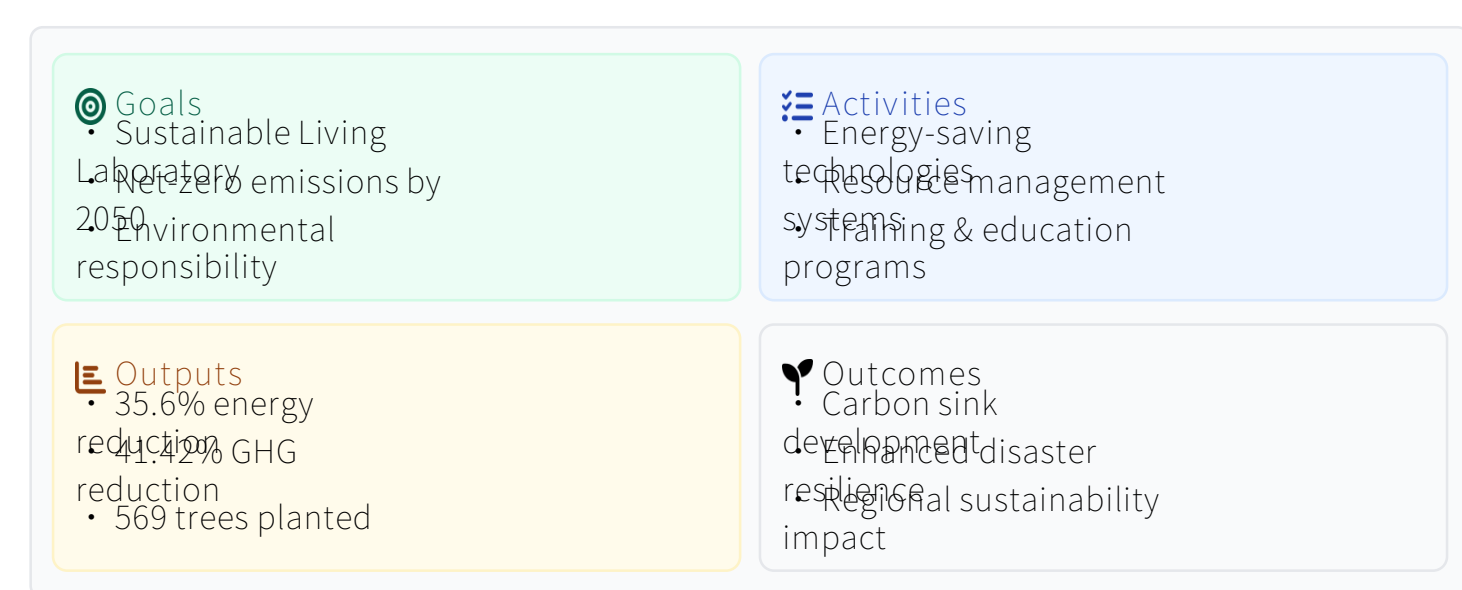
- Vision and Philosophy**
Founded on Venerable Master Hsing Yun's principle, FGU is committed to a "Green University, Joyful Learning Environment" vision, embedded in our core university governance.
- Strategic Alignment with SDGs**
Our strategies correspond to the following UN Sustainable Development Goals:
- Net-Zero Commitment**
FGU has committed to achieving net-zero emissions by 2050 through comprehensive carbon reduction measures and sustainable campus practices.
- PDCA Quality Assurance Mechanism**
We implement the Plan-Do-Check-Act cycle to systematically advance sustainability initiatives.



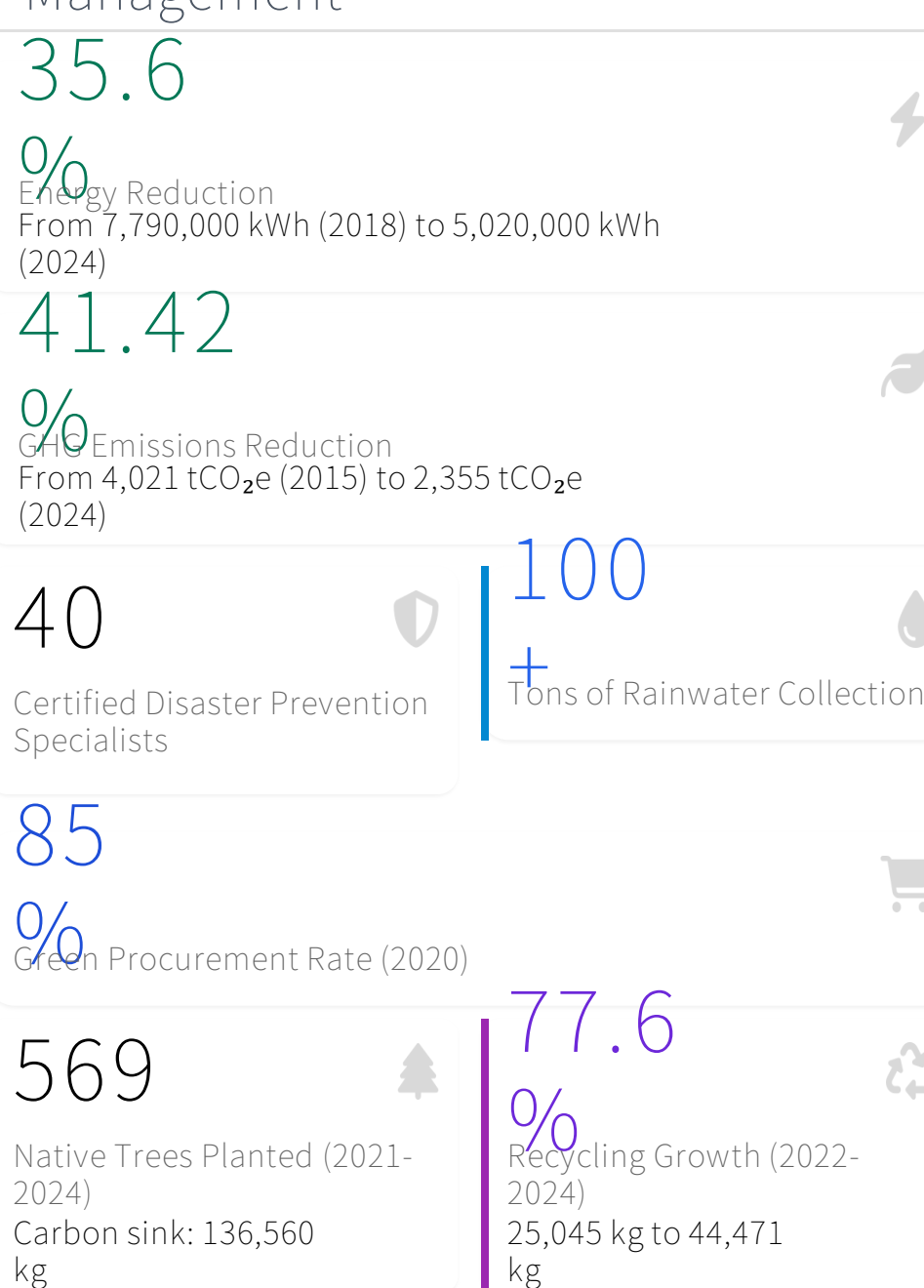
Logic Model — Goals and Activities



Logic Model Implementation



Logic Model — Output Indicators



Logic Model — Performance Evaluation

