

Sewing Machine Powered by Solar PV



Mafalu Lotolua
TPCC
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Background

- **Birth of the Project**
 - FFEKT President requested TEC for assistance.
- **Project Title**
 - Empowering Fakapotopotoga Fafine Ekalesia Kelisiano Tuvalu (FFEKT) Women to Create Business Opportunities through Renewable Energy Systems and Promote Healthy Living
- **Project Goal**
 - Promote rooftop solar PV's, livelihood improvements for FFEKT Women through improving a small sewing business while simultaneously enhancing biodiversity and health benefits through a home gardening opportunity.
- **Project Purpose**
 - Solar PV to power sewing business running perfectly
 - FFEKT food garden producing healthy vegetables for sale to local population
 - FFEKT women undertake small business training

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- **Project Outputs**
 - Sewed materials for sale
 - Fresh vegetables for sale
 - Women trained

- **Donor**
 - IUCN, Suva, Fiji.

- **Total Funding**
 - Euro85,000

Linkage to National Strategy for Sustainable Development 2021-2030- TE KETE

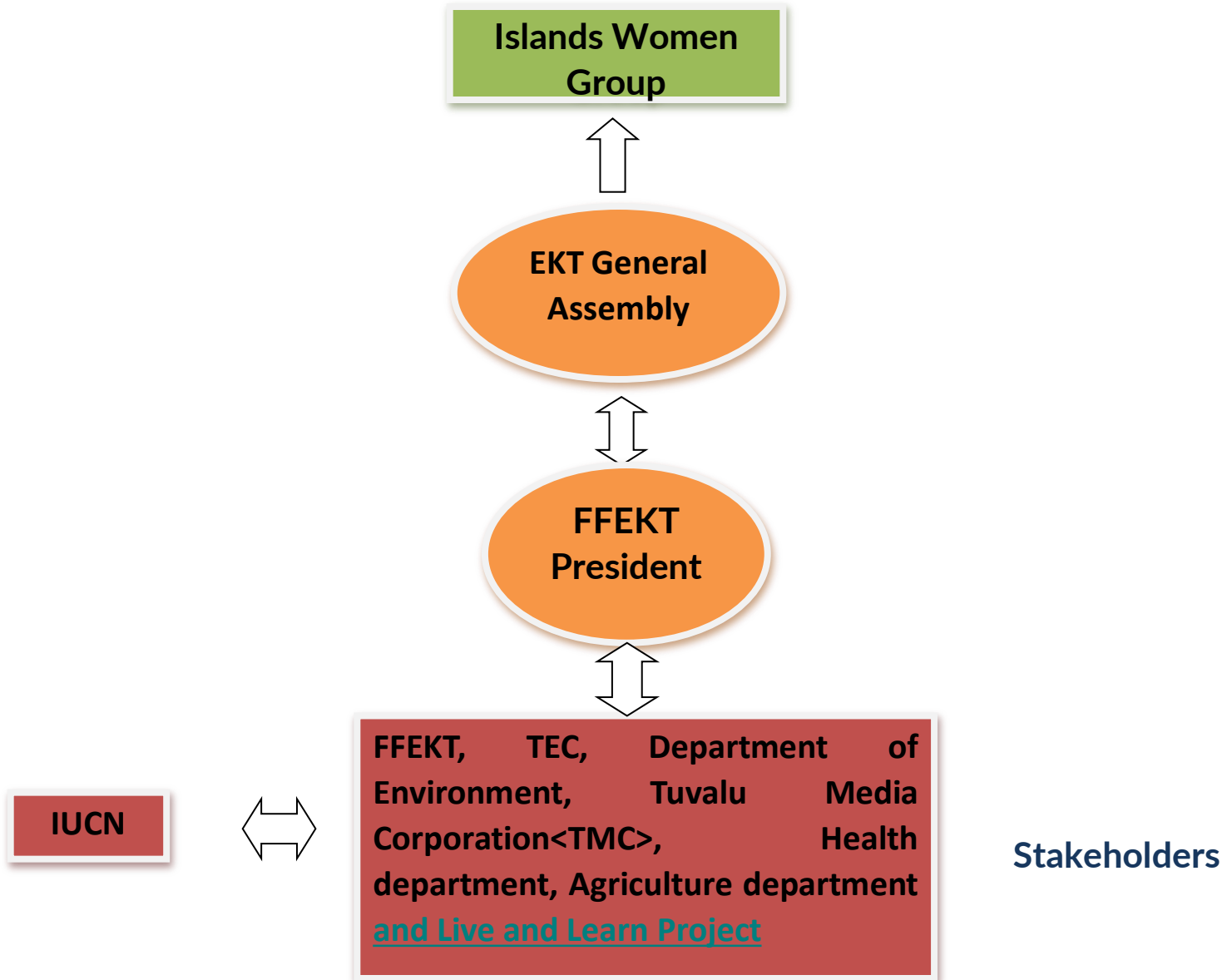
- Outcome 6 – Macroeconomic Resilience Increase
 - 2.6.4: Provide a conducive business environment to encourage private sector growth and local exports and also to reduce reliance on imported food products
- Outcome 9 – Develop, Improve and Strengthen Private Sector
 - 2.9.3: Provide conducive environment that foster private sector development including readily access to finance
- Outcome 10 – Health and Well Being Improved
 - 3.10.2: Foster strong nutritious dietary practices by eating local food
- Promote Energy Polices includes:
 - promote and implement the use of appropriate proven, affordable and cost effective renewable energy technologies both for urban and rural applications

Project Activities

- Installation of solar PV to power sewing machines
- Acquisition of sewing accessories
- Installation of home garden plots
- Small business training
- Education and Awareness Programs
- Monitoring and Evaluation



Project Management



System Layout

- Solar Capacity – 1kW
- Battery Capacity – 16kWh



Business Opportunities

- Participate in the tendering process
- O&M

Fakafetai Lasi