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- Funded by DFAT and managed by the Palladium Group
- Started in Fiji in 2011 and expanded to 4 other economies
- “Market Systems” approach to facilitate private sector development.



Exports



Tourism

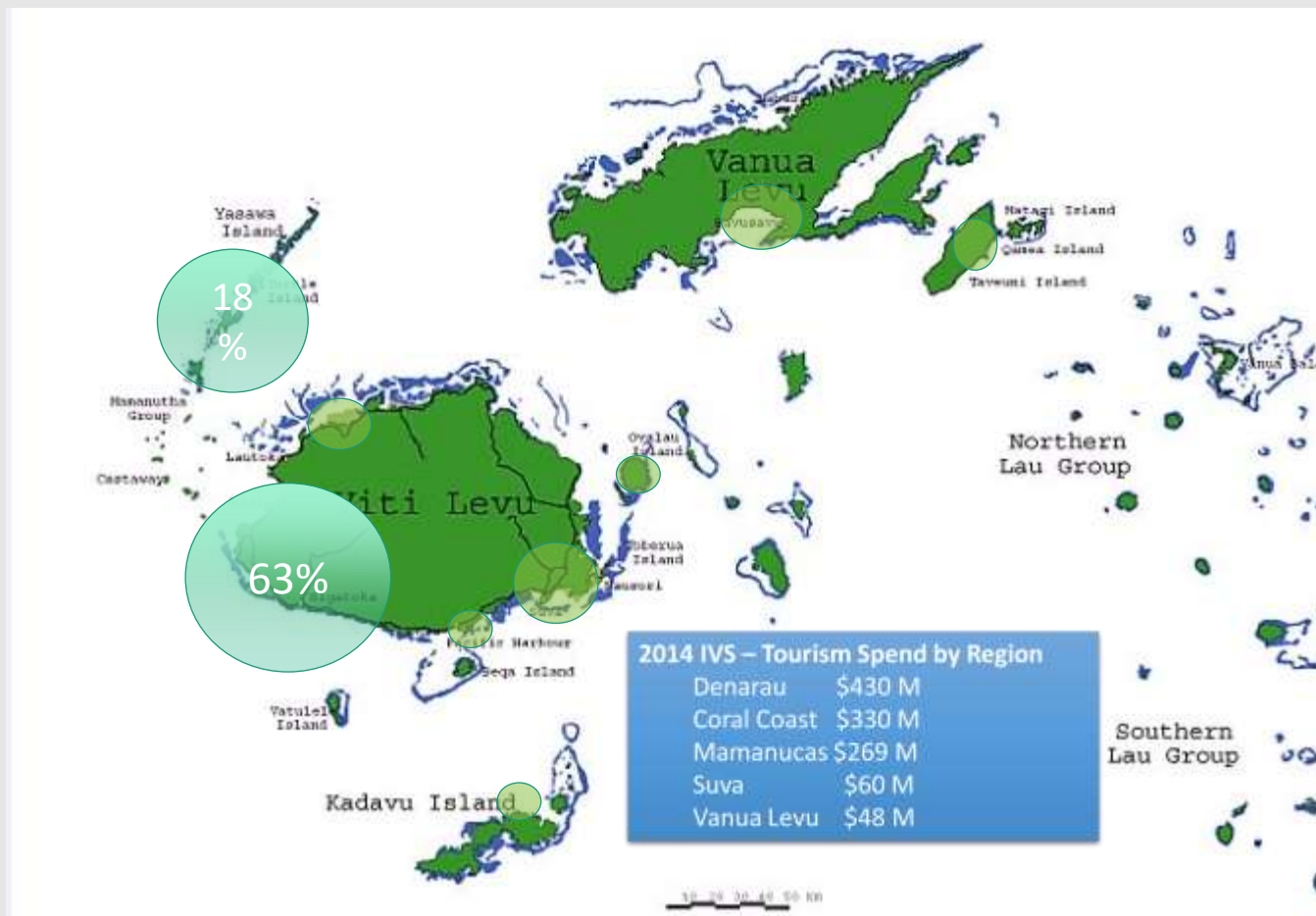


Business Enabling Services and
Infrastructure



Business Acceleration and
Expansion

More tourists to more parts of Fiji



More “Fijian” Products,
Activities & Produce For Tourists

Uses of multiplier

Design portfolio

- ⑩ Select/ prioritise destinations to work with in TOURISM
- ⑩ Identify partnerships that trigger the multiplier
- ⑩ Identify partnerships that can maximise the impact of the multiplier.

Measure impact

- ⑩ To measure the impact of additional tourists and/or increase in tourist spending on employment and income in different tourist destinations in Fiji.
- ⑩ Triangulate impact of partnerships designed to capture more of the tourist dollar in country
- ⑩ Bridge gap between impact of partnerships and systemic change in TOURISM

Influence stakeholders

- ⑩ To clarify ROI of TOURISM partnerships to internal audience
- ⑩ To communicate to donors on the impact of tourism
 - To influence public sector agencies and ministries relevant to TOURISM
 - To prime private sector for investment opportunities in TOURISM

Establish
attribution

Must have strong attribution measures in place in order to claim any benefits from multipliers

Update
multiplier
regularly

Multiplier is not static, and requires regular updating to reflect change in sector dynamics

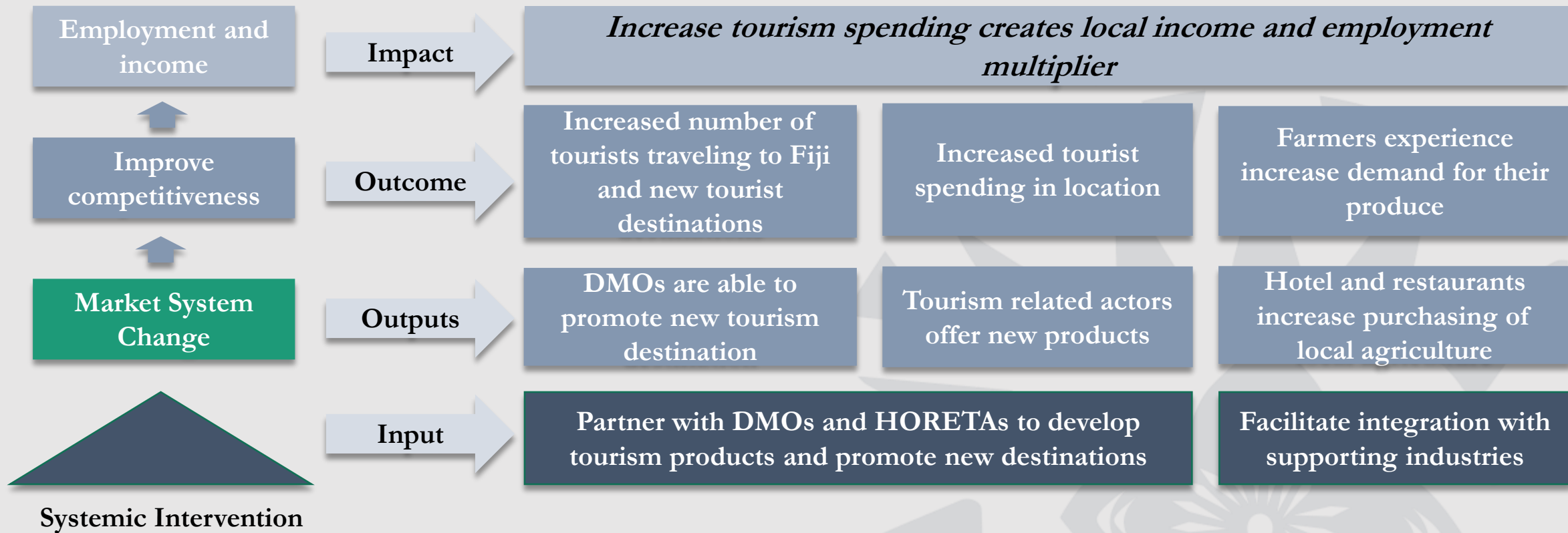
Best done for each type of tourist, tourism, and destination

The study was conducted in 2017 for Market Development Facility (MDF) Fiji, a multi-country MSD project funded by Australian Aid.

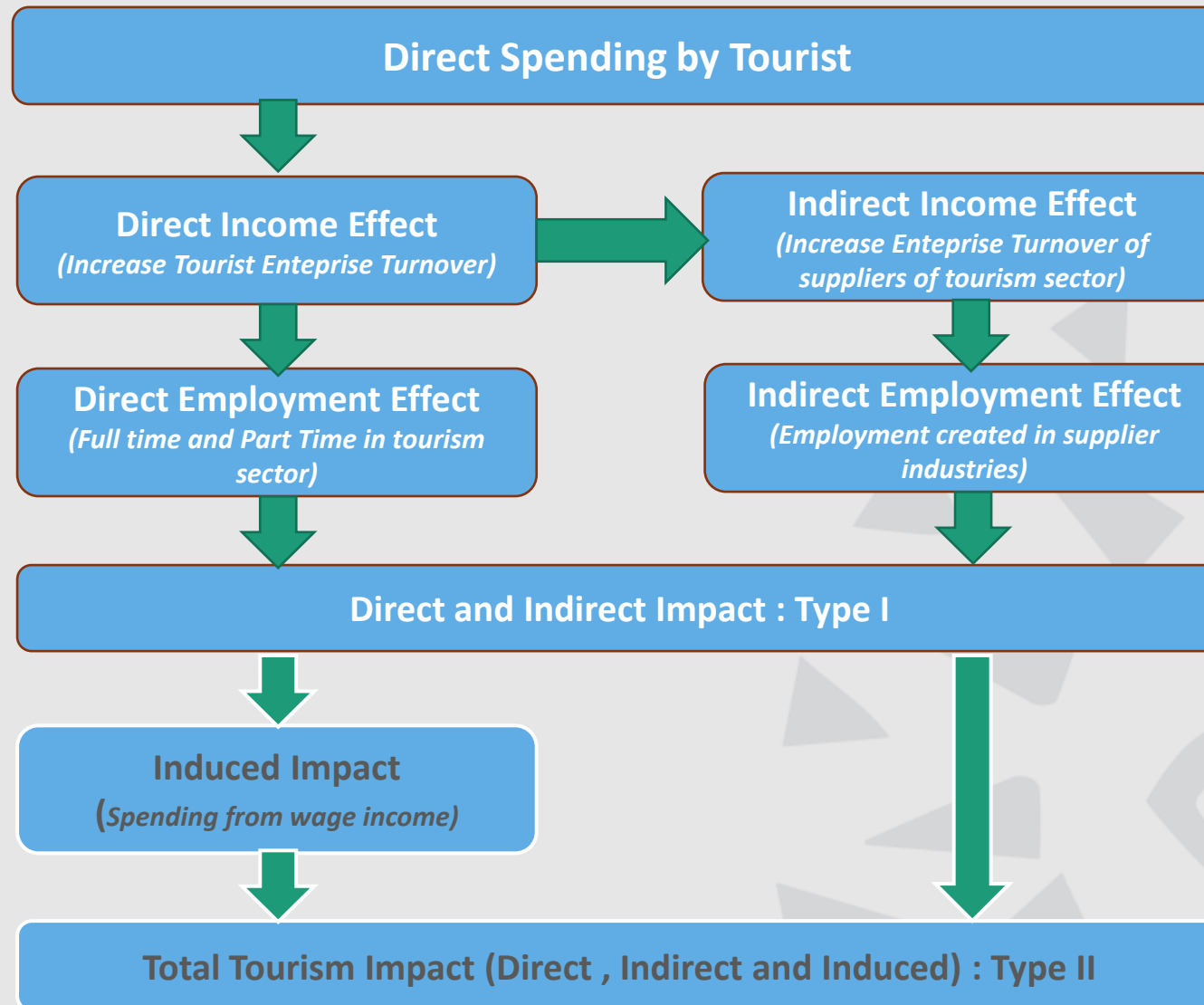
To design & implement a study to develop a local tourism multiplier :

- To measure the impact of additional tourists and/or increase in tourist spending on employment and income in different tourist destinations in Fiji.

Theory of Change for employment effect



Scope of study



Scope of study

- **Value of Additional Market transactions (Direct)**, which measures additional revenue generated from increased tourism spending, i.e. a measure of MDF's business partner (DMO) and its target market (tourists). *This is the direct tourism demand.*
- **Indirect output multiplier**, measures the impact of each additional one dollar spending on tourism products (direct tourism demand such as hotel, activities etc. where tourist directly pay) on output in all industries, such as farming enterprises supplying to hotels or activity providers hired by resorts etc
- **Employment Effect**, measures the **Direct FTE** created primarily in the accommodation sector and indirect impact on the overall economy (when plausible)



Literature review and meta-analysis

- >> Use IVS data to develop estimate for location specific tourism spending
- >> Develop per capita /visitor spending pattern estimates for key locations
- >> Collate secondary data on employment and room nights



In-depth interviews

- >> Undertake in-depth interviews with key DMO stakeholders in Raki Raki and Savusavu
- >> Validate findings from secondary data and triangulate with primary data findings
- >> Develop ratio (multiplier, efficiency factor)



Analysis and Report

- >> Use method and data triangulation to estimate : Output and employment multiplier
- >> Strategic implications of targeting outer destinations
- >> How multiplier can be used for business case analysis and MRM tasks

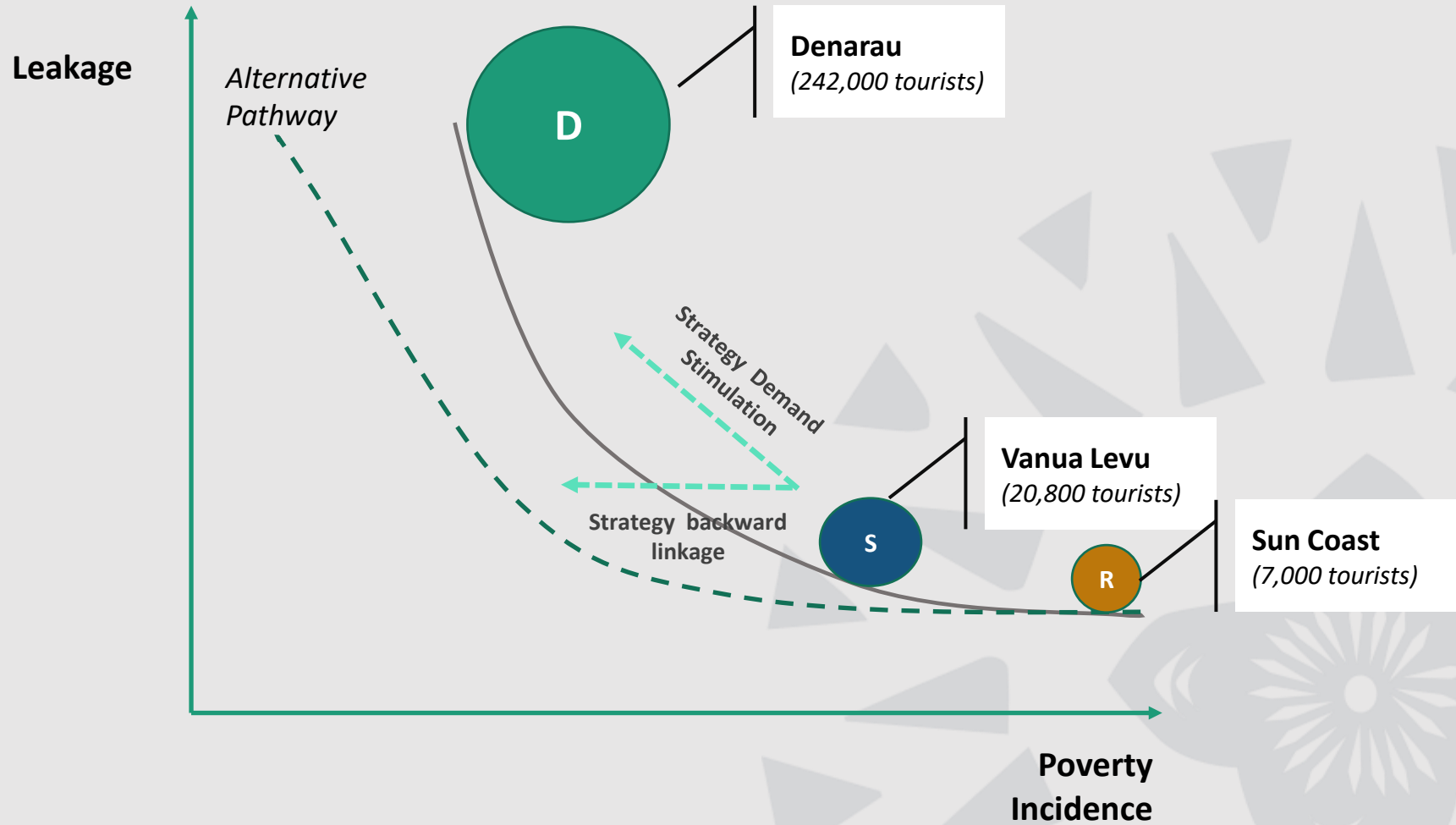
Stylized Scenario Analysis

	Rakiraki	Savusavu	Total
Number of Additional Tourists (a)	1000	1000	2000
Average Stay (b)	7	7	
Average Spending per tourist/day (c)	\$226	\$282	
Total Spending (a x b x c)	\$ 1,582,000	\$1,974,000	\$3,556,000
Deduct Tax (25%)	\$395,500	\$ 493,500	\$ 889,000
Direct Tourism Demand or Value of Additional Market transactions (e)	\$1,186,500	\$1,480,500	\$2,667,000
Output Multiplier (f)	1.35	1.35	
Total Tourism Impact (Direct+ Indirect, e x f)	\$1,601,775	\$1,998,675	\$ 3,600,450

Stylized Scenario Analysis

Elasticity Method - I	Rakiraki	Savusavu	Total
Number of Additional Tourists (a)	1000	1000	2000
Average Stay (b)	7	7	
Tourist Nights (a x b)	7000	7000	
FTE per Tourist Per night (c)	0.004	0.003	
Total Direct Employment (FTE) - [(a x b) x c]	28	22	50
Employment Multiplier	1.20	1.20	
Total Employment Impact (Direct + Indirect)	33	27	60

Strategic Implications



Things to keep in mind!

1. Multiplier are context specific, you cannot use one multiplier everywhere!
2. Think about labour dynamics – Fixed Term contract or hourly wage?
3. If you do want to use an existing multipliers then understand/ analyse/ develop /adjust
4. Triangulate - combining field and stats, never only one of them
5. Multipliers don't replace assessments, you need them to develop multipliers
6. Simplify where it makes sense (realistic assumptions)
7. Devil in the detail (like mean/median)
8. Focus on key employment changes, not trying to assess all possible multiplier impact
9. Being conservative in all steps



Thank You

Additional Material : TOR of the MDF Study

STEP	DELIVERABLE	DAYS
Step 1: Preliminary Briefing/Meeting	N/A	+/- 4 days
Step 2: Desk Review of Key Documents	Due: 22 February 2017	
Step 3: Development of Research Plan	Research Plan submitted to MDF	+/- 2 days
- Review of MDF proposed Table of Contents for Report	Due: 25 February 2017	
- Design of Research Plan and Tools, including Sampling Strategy, Interview Guide & Field Plan		
Step 4: Research Plan finalized	Research Plan finalized	+/- 1 day
- Incorporation of MDF feedback	Due: 29 February 2017	
Step 5: Training of MDF Staff	MDF Staff Training Delivered and Interview Plan/Schedule finalized	+/- 2 day
- Technical training delivered to MDF Staff on Research Tool, Sampling Strategy, Interview Guide and Field Plan	Due: 04 March 2017	
Step 6: Discussion and finalization of interview schedule		
Step 7: Field Work	Survey Data collected, cleaned & collated	+/- 5 days
- Interviews conducted by MDF Staff	Due: 25 March 2017	
- Scheduled debriefs & guidance provided to MDF survey Teams during field work		
Step 8: Analysis & Discussion	Draft Report prepared	+/- 3 days
	Due: 01 April 2017	
Step 9: Report Preparation	Final Report submitted to MDF	+/- 5 days
	Due: 30 April 2017	
International travel to Fiji	N/A	+/- 2 days
Total		24 days

Descriptive Stats

	Vanua Levu (Savusavu)		Suncoast (Rakiraki)	
Median Length of Stay (days)	7		7	
Room Density (# of visitors/room)	2.75		2.2	
Avg. Spending per tourist per day (FJD/day/tourist)	\$282	100%	\$226	100%
Hotel	\$245	87%	\$194	86%
Retail	\$10	3%	\$10	4%
Activities	\$15	5%	\$ 7	3%
Transport	\$ 3	1%	\$ 5	2%
Non-hotel F&B	\$ 7	2%	\$ 5	2%
Others	\$ 3	1%	\$ 4	2%

Analysis – Expenditure Method (Employment)

Expenditure Method	Rakiraki	Savusavu	Total
Number of Additional Tourists (a)	1000	1000	2000
Average Stay (b)	7	7	
Labor Cost per Tourist per night (c)	24	36	
Total Labor Cost (a x b x c) (f)	\$169,597	\$254,129	\$423,726
Wage Rate (FJD/hr) (g)	\$4	\$4	
Number of hr (f/g)	47,440	72,608	
Total Direct Employment (FTE)	25	38	63
Employment Multiplier	1.20	1.20	
Total Employment Impact (Direct + Indirect)	30	45	75

Analysis – Elasticity Method (Employment)

Elasticity Method – II	Rakiraki	Savusavu	Total
Number of Additional Tourists (a)	1000	1000	2000
Room Density (f)	2.2	2.75	
Room Nights (a x b)/ f (v)	3,182	2,545	5727
Total number of rooms nights (d) – Fiji	2,008,029		
Total employment (e) - Fiji	11,816		
Employment /room night (e/d)	0.0059		
Efficiency factor	0.0077		
Job to FTE Factor	1.15	1.14	
Adjusted room nights to FTE factor (w)	0.0088	0.0087	
Total Direct Employment (FTE) - (v x w)	28	22	50
Employment Multiplier	1.20	1.20	
Total Employment Impact (Direct + Indirect)	34	27	60

Business Case - Example

Potential Impact of Intervention		Scenario 1	Scenario 2	Comments
		500 tourist stay additional 2 nights	100 new tourists stay for 7 nights	
Additional Revenue	Year 1	\$128,738	\$90,117	Number of tourist x
	Year 2 (50% return)	\$64,369	\$45,058	Number of days x
	Total Revenue	\$193,107	\$135,175	Revenue per tourist per night
	ROI (Revenue)	193%	135%	
Additional Profit	Year 1	\$38,577	\$27,004	Number of tourist x
	Year 2	\$19,288	\$13,502	Number of days x
	Total Profit	\$57,865	\$40,506	Profit per tourist per night
	ROI (Profit)	58%	41%	
FTE Effect	Total Tourist Nights	1000	700	Tourists x Nights
	FTE per Tourist Per night	0.004	0.004	
	FTE (Direct)	4	3	MDF can also use this info to justify investment