CASE STUDY:
PRIVATE SECTOR IN WATER STEWARDSHIP

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Montevideo, October 9th, 2017
“...use of water that is socially equitable, environmentally sustainable and economically beneficial, achieved through a stakeholder-inclusive process that involves site and catchment-based actions...”
General Objective:
Mantain the quality and quantity of freshwater in the Motagua-Polochic System
PAYMENT FOR ENVIRONMENTAL SERVICES SCHEME

WATER

LOWER WATERSHED

USERS

WATER FUND

UPPER WATERSHED

PROVIDERS
METHODOLOGY

Studies to guide decision making processes.

- Legal and institutional framework
- Hydrology
- Livelihoods
- Project portfolio
- Project implementation
WATER AWARENESS
Consumo total de agua en el proceso. 75,968 m³

- Tratamiento de agua. (Merma del Proceso) 10,780 m³
- Lavadora de Botellas. 9394 m³
- Enjuagado de envases. 3750 m³
- CIP 3600 m³
- Otras (limpieza general incluida) 4487 m³
- Lubricación de cintas 971 m³
- Sistemas de refrigeración 2689 m³
- Agua para calderas 100 m³
- Sanitarios 1300 m³

Consumo total de agua para bebidas 38,897 m³
ABASA (TCCC bottler)

EUSA

WATER FUND (Industry)
COLLECTIVE ACTION

WHY?

CORPORATE GUIDELINES

MARKET DEMANDS

REGULATORY COMPLIANCE

...???
Stable Isotopes Study

δ$^2$H

δ = - 39‰
δ = - 40‰
δ = - 85‰
δ = - 59‰
δ = - 60‰
δ = - 40‰
Stable Isotopes Study
Stable Isotopes Study - Communication
Diagnóstico biofísico, socioeconómico y de elementos de gestión de la subcuenca Teculután, Reserva de la biosfera Sierra de las Minas, Guatemala

Juan Carlos Rosello M.

Guatemala mayo 2016
COLLECTIVE ACTION
Plan de Manejo de la cuenca Teculután, Reserva de la Biosfera Sierra de las Minas, Guatemala

Juan Carlos Rosito M.

Guatemala mayo 2016
Integrated Watershed Management
Integrated Watershed Management
Integrated Watershed Management
Integrated Watershed Management
Integrated Watershed Management
Integrated Watershed Management - Communication
INFLUENCE GOVERNANCE

ESTABLISHMENT OF MANAGEMENT COMMITTEE

IMPLEMENTATION OF WATERSHED MANAGEMENT PLAN

MONITORING AND EVALUATION

PARTICIPATORY DECISION MAKING
THANKS FOR YOUR ATTENTION