

# 20TH MULTIPLE DISTRICT CONVENTION

## ARUSHA, TANZANIA

26 TH - 29 TH APRIL 2023

***Supporting Monduli District, Maasai Community of  
30K+ with Water Harvesting Programs***

***Global-Regional-Local Partnership***



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*[California, United States]*

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*[Monduli District, Tanzania]*

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*[California, United States]*

# Global-Regional-Local partnership



SACRED HEART SCHOOLS  
ATHERTON



# Monduli District, Nanja Dam: What is the challenge?



Rainy season



Dry season

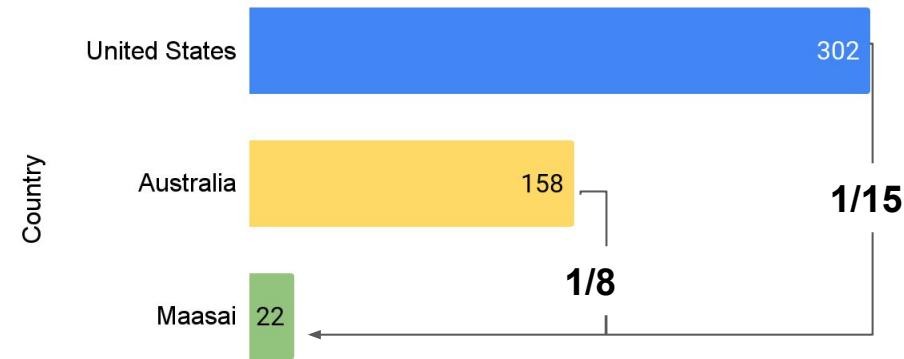
***Walk 8.5 hours/day ; 30,000 Maasai***

# Amount of water is not the challenge; Collection is.

Annual Rainfall (in)

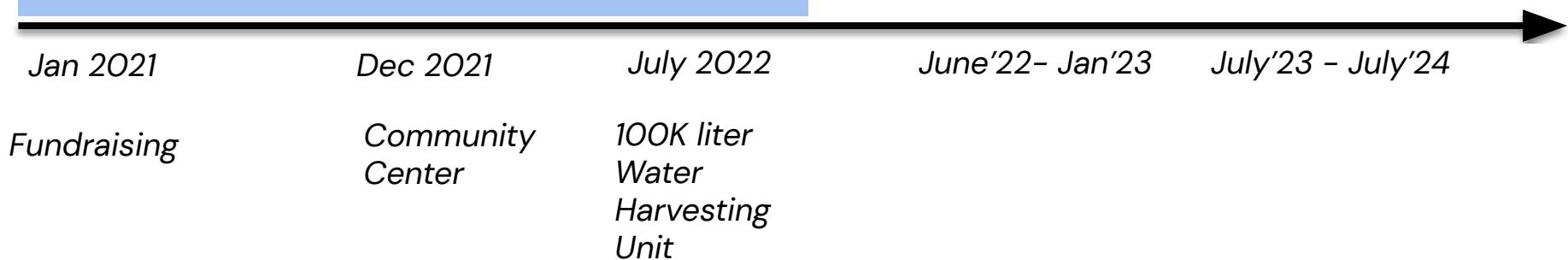


Water Consumption Per Capita Per Day (L)



# Snapshot of our journey as school students

## PHASE 1



# Community Center



# 1st Water Harvesting Unit: 100,000 liters



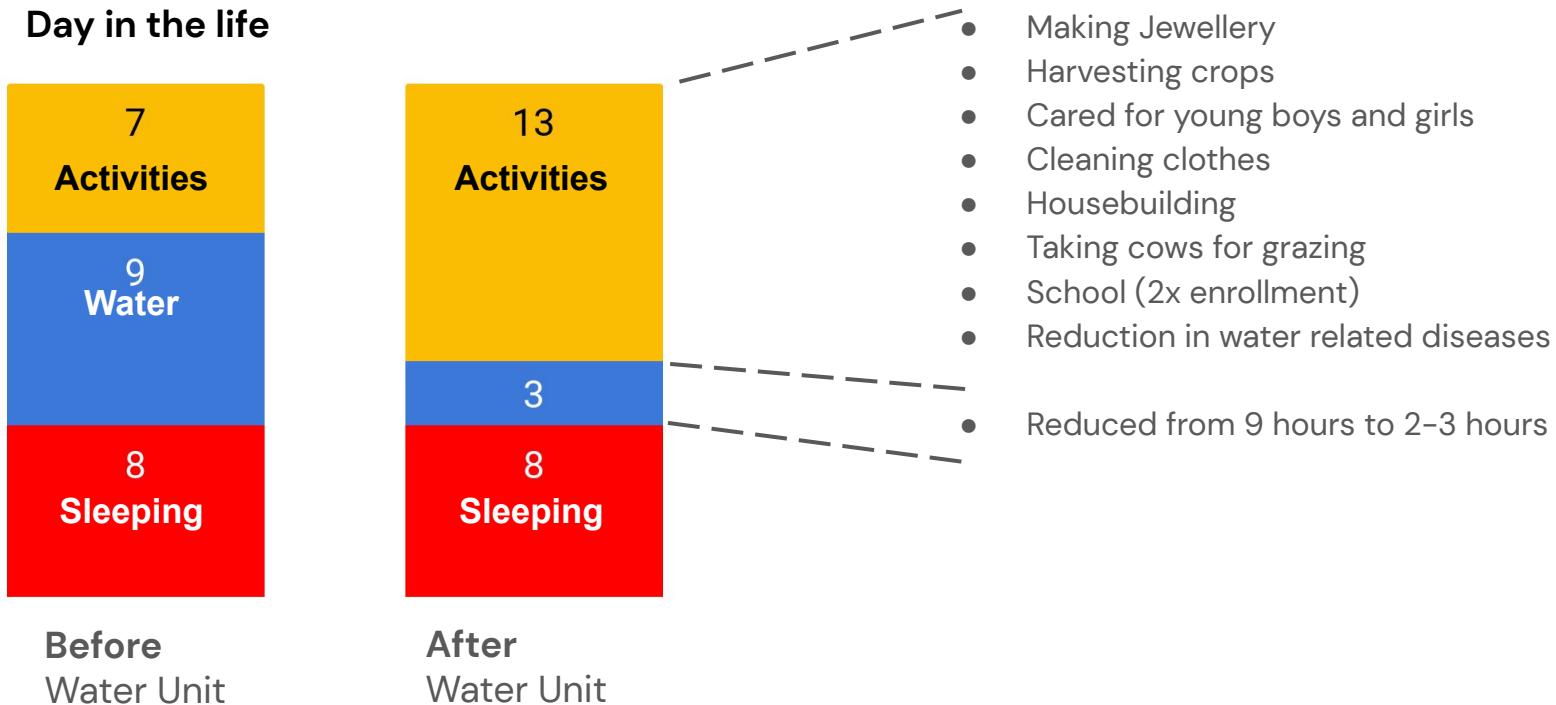
Supports 4000+ Maasai  
100K Liters

Solar powered pump

# **Impact of the 1st Water Harvesting Unit for 4000+**

- 1. Reduced walking from 9 hrs/day down to 2-3 hrs/day**
- 2. Doubled enrollment/frequency of school attendance**
- 3. Doubled hours spent on economic, social and educational activities**
- 4. Reduced water related sickness**

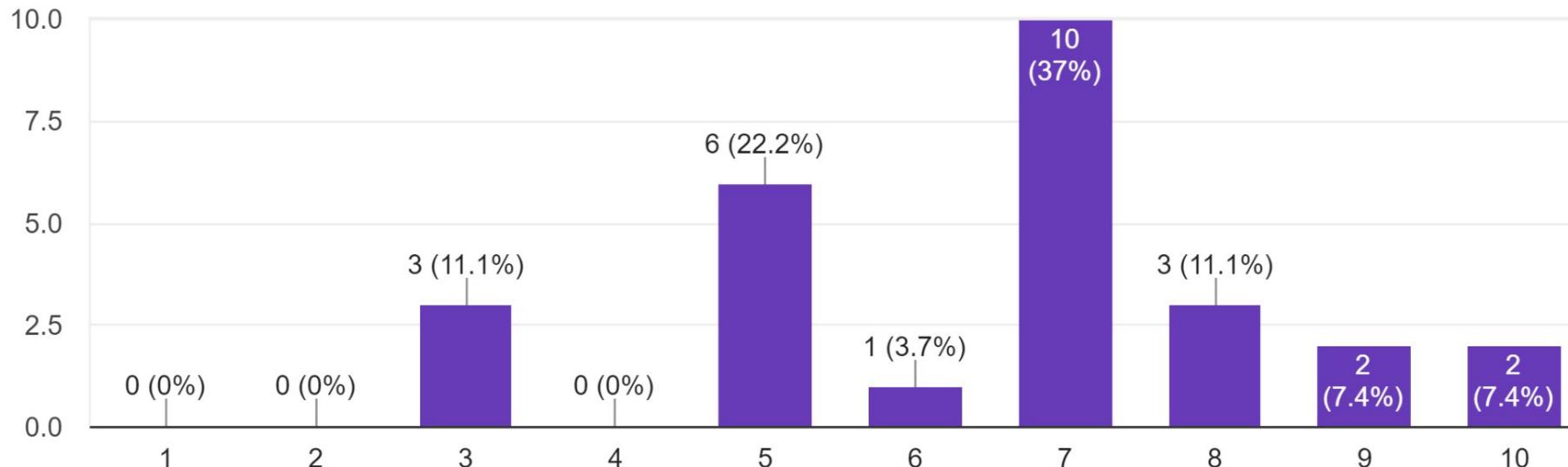
# Before and after the Water Harvesting Unit: Doubled the time spent on economic, social, and agricultural activities



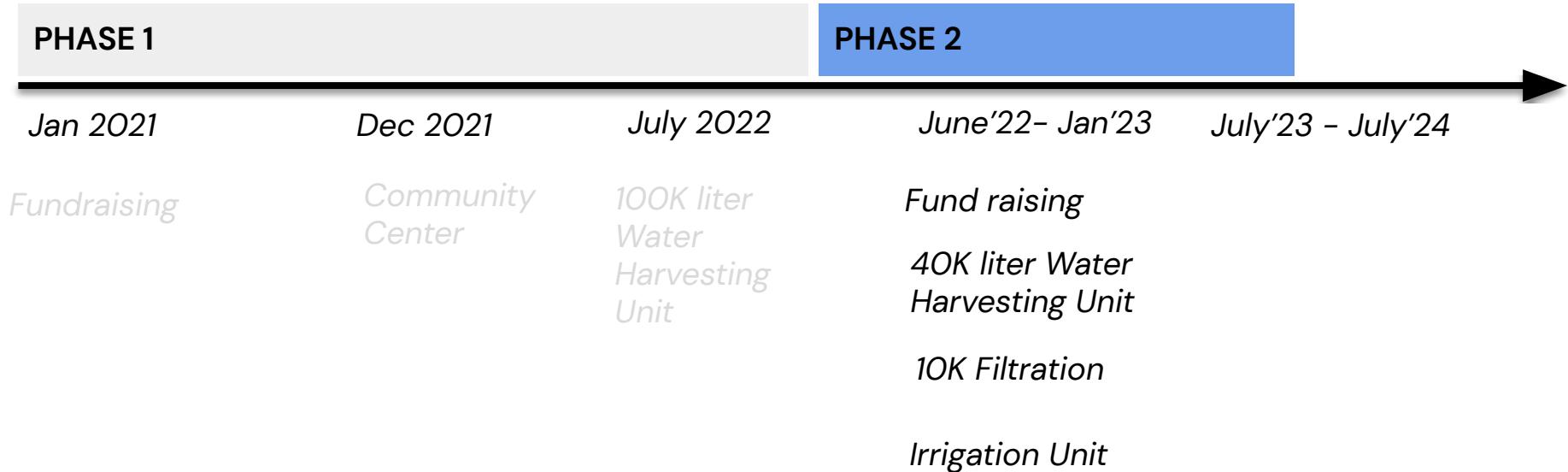
Source: Representing 500+ Maasai members [40+ interviews]

## Time Spent walking for water (In Hours)

27 responses



# Snapshot of our journey as school students



## Phase 2: Team of 6 schools students working with Mbayani's leadership



# Phase 2 Water Harvesting Units : July'22 – Feb'23



Filtration Unit  
1500+ Maasai



Irrigation Unit



40k Liter unit  
2000 Maasai

# Phase 2: Challenges



# Phase 2: Real-time barometric measuring unit deployed



# Phase 2: 40+ in-depth research/surveys



## Phase 2: Offsite with Maasai community members to brainstorm new solutions



# Snapshot of our journey as school students

PHASE 1		PHASE 2		PHASE 3...
Jan 2021	Dec 2021	July 2022	June'22- Jan'23	July'23 - July'24
<i>Fundraising</i>	<i>Community Center</i>	<i>100K liter Water Harvesting Unit</i>	<i>Fund raising</i> <i>40K liter Water Harvesting Unit</i> <i>10K Filtration</i>	<i>Fund raising</i> <i>Boma WHU subsidy program</i> <i>Low cost Water purifier pilot</i> <i>Irrigation Unit</i> <i>Water Challenge</i>

## Phase 3

1. At Boma subsidized water harvesting units [50%] for 1500-2000 Maasai
2. Pilot use of low cost water purifiers
3. Competition to deploy and design local solutions

# Our learnings

**Local champion [Mbayani, Kai] is key**

No one person can keep carrying it forward; **bring in more minds and hearts!**

**Get the best from across the globe ! Don't be shy!**

**Deploy 100% of the funds raised to the initiative!**

**Enable community to shape and own solutions**, the execution and maintenance

***“People say that time is money. Time itself does not change life. Creativity changes life. Time only puts an expiry date on opportunities.”***

***“It means being responsible to imagine what does not exist and help create it for those who don’t have it”***

***Joseph Shuaka, Maasai***





KARIMU  
INTERNATIONAL HELP FOUNDATION



SHS

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ATHERTON

DURHAM ACADEMY

# Thank You!

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# Thank You!

## Guidance/expert teams

Deepak Ramola, Aayushi Jaiswal, Apoorva Bakshi [Project Fuel]

Manish Chavda [Lions Club]

Nelson Mattos [Karimu]

Sharon/Offir [Engineers w/out Borders]

## Donors and parents

50+ donors

Piyush and Kamala Pandey

Alka and Sharad Gupta

Adam and Monica Barycza

Kathryn & Matt Avery

Pooja & Abhi Taneja

Sunil and Bala Bahl

Shilpa and Saurabh Rastogi

## Students/Parents

Arhaan Gupta-Rastogi

Adam Barycza

Kanishk Pandey

Kashi Pandey

Roshan Taneja

Yuvraj Taneja