



UCPP – Monitoring and Evaluation

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Roadmap



Project
Overview



Theory of
Change &
Monitoring



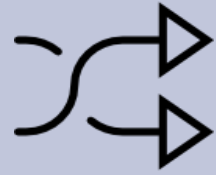
Framework
in Action



Moving
Forward



Objectives



Understand the UCPP
Theory of Change



Synthesize and Evaluate
Current M&E Practices



Develop an M&E
Framework and Action
Plan

Methods



Interviews with Stakeholders
and Experts



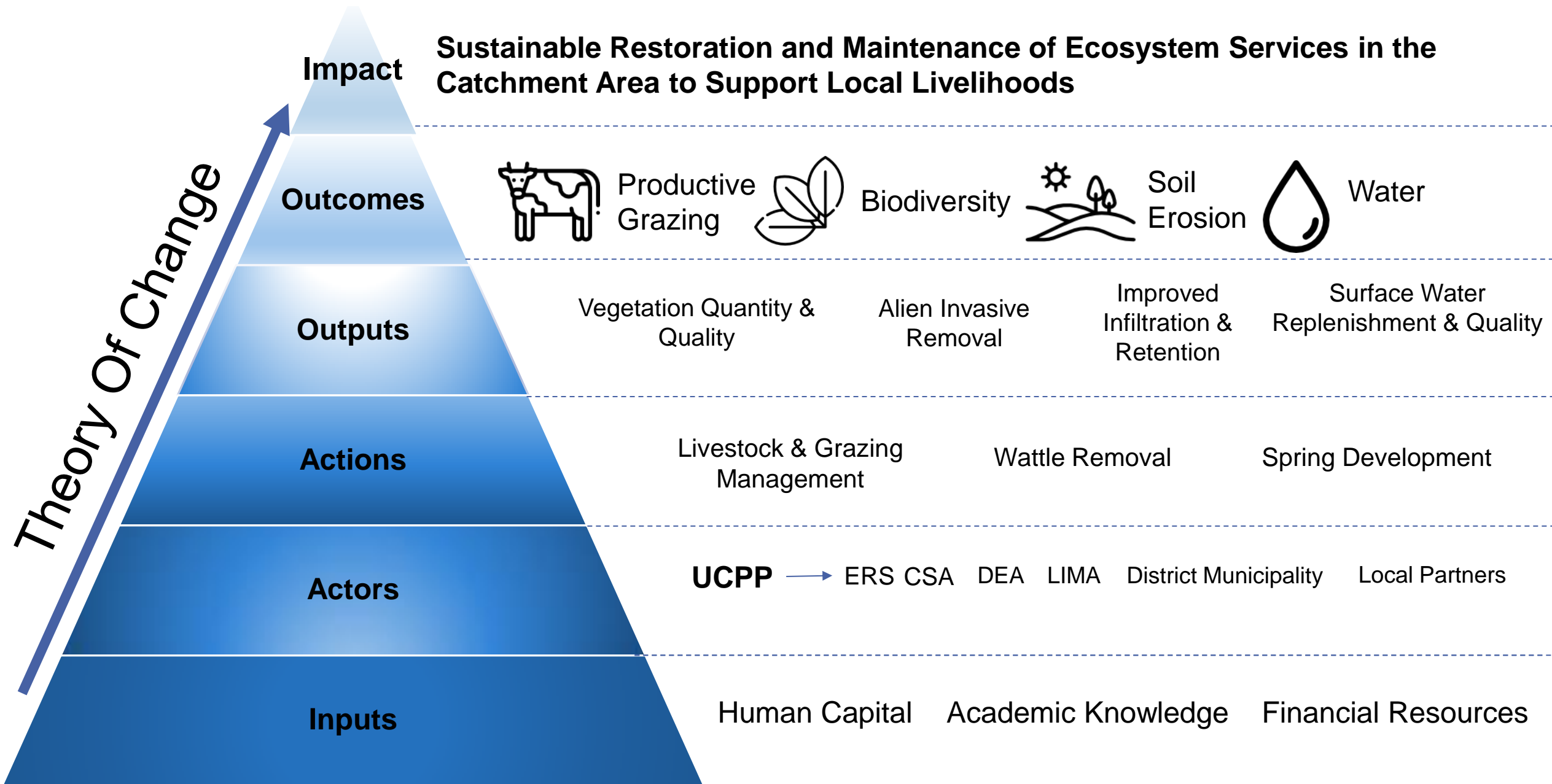
Literature Review



Field Research

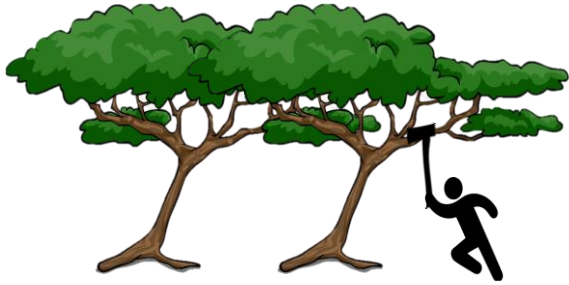


Data Analysis and Production
Function Estimation



Current Monitoring Practices

Hectares Wattle Removed

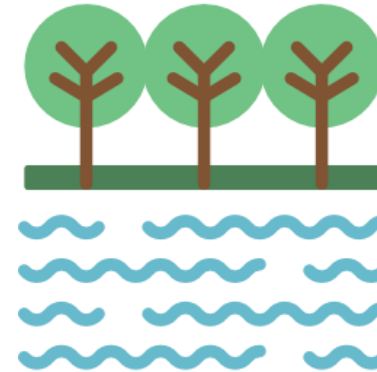


Grass Quality and Quantity



- DPM
- Magic Square
- Veld Assessment
- F-P Photography

Water Quality and Quantity



- Potability
 - Multi-point assessment
 - Mini-SASS
- Replenishment
 - Soak pits
 - Streamflow volume

Irregular data collection and little interorganizational information flow



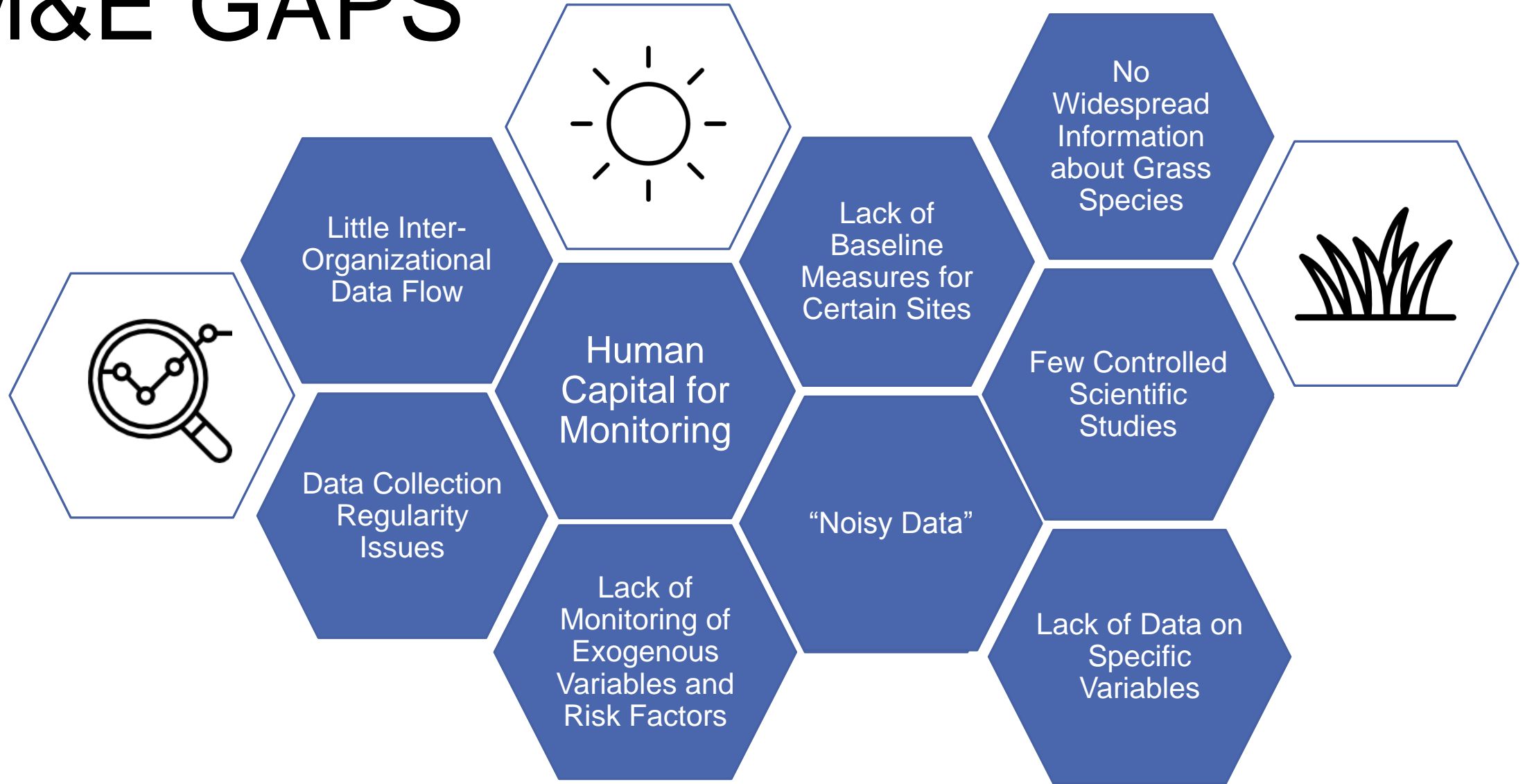
Difficult to Understand Holistic Picture!



Monitoring in Action



M&E GAPS



Our M&E Framework At A Glance

Actions

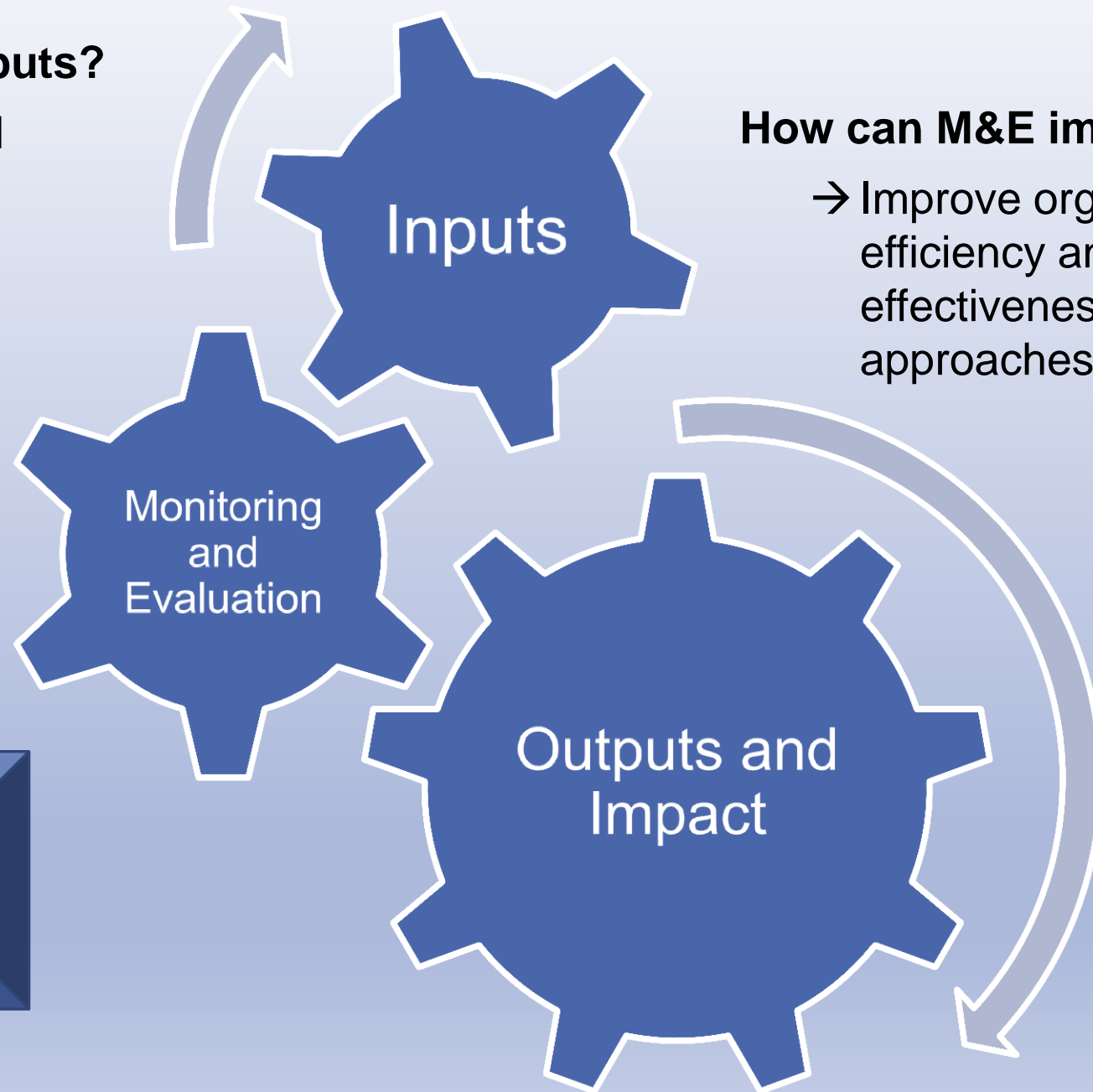
	Statement	Indicators	Sources of Evidence
<i>Impact</i>	Sustainable restoration and maintenance of the catchment area to support economic development and job creation for local people.	<ul style="list-style-type: none"> Hectares restored and maintained. Improved ecosystem services. Economic impact and job creation. 	<ul style="list-style-type: none"> Achievement of outcomes
<i>Outcomes</i>	Productive grazing landscapes.	<ul style="list-style-type: none"> Cattle health measurements on-farm and at auction 	<ul style="list-style-type: none"> Cattle mass, fertility & mortality rates
	Increased biodiversity.	<ul style="list-style-type: none"> Increased resilience of grassland ecosystems to climactic events and disease Re-growth of grassland indigenous species Improved carbon sequestration in grasslands 	<ul style="list-style-type: none"> Indigenous ecological knowledge Observations of spatial and temporal trends
<i>Outputs</i>	Alien invasive removal.	<ul style="list-style-type: none"> Hectares cleared of wattle in priority areas Biomass of alien species/hectare in designated cleared areas 	<ul style="list-style-type: none"> GIS modelling Record-keeping Wattle-water replenishment ecological production function

How can M&E improve inputs?


→ Strengthen Donor and
Community Support

How can M&E improve outputs?

→ Improve organizational
efficiency and
effectiveness by reforming
approaches



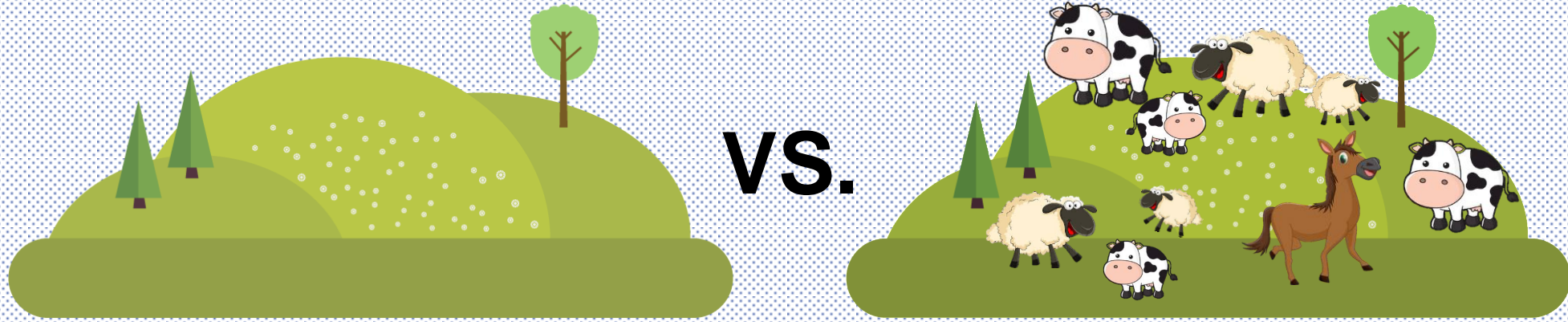
**The Role of
M&E**



Framework in Action

Data Analysis

Impact of Resting on Grassland Growth



1

Identified
Treatment and
Control: Rested
and Unrested
Areas

2

Compiled data
from June to
January

3

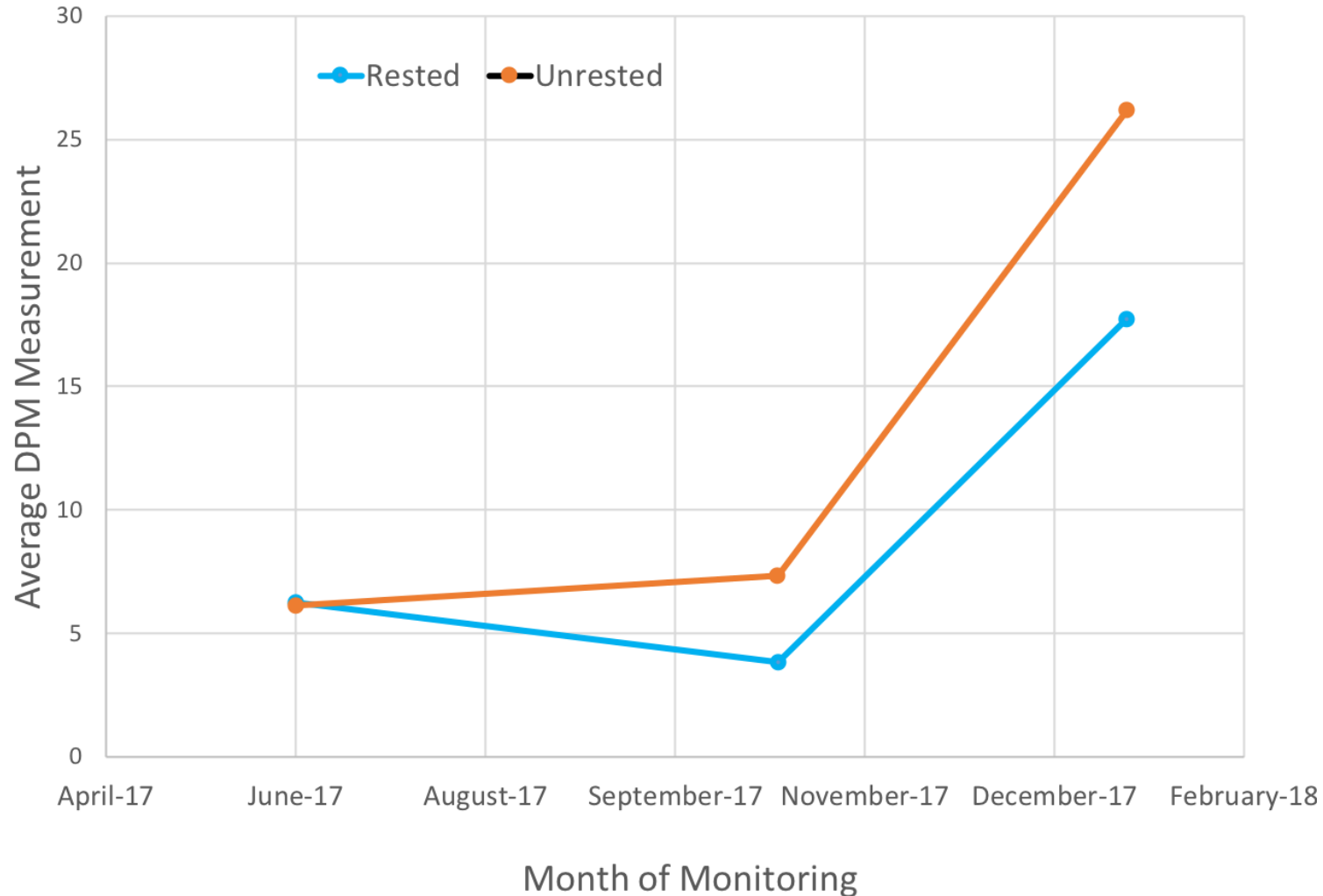
Analyzed data
to compare
grass growth
and outcomes
in two
locations.

4

Determined
that grass
biomass growth
and outcomes
were lower in
the unrested
area.

Findings and Takeaways

Biomass Measurements Over Time: Rested vs. Unrested Areas



5 cm less growth in rested area



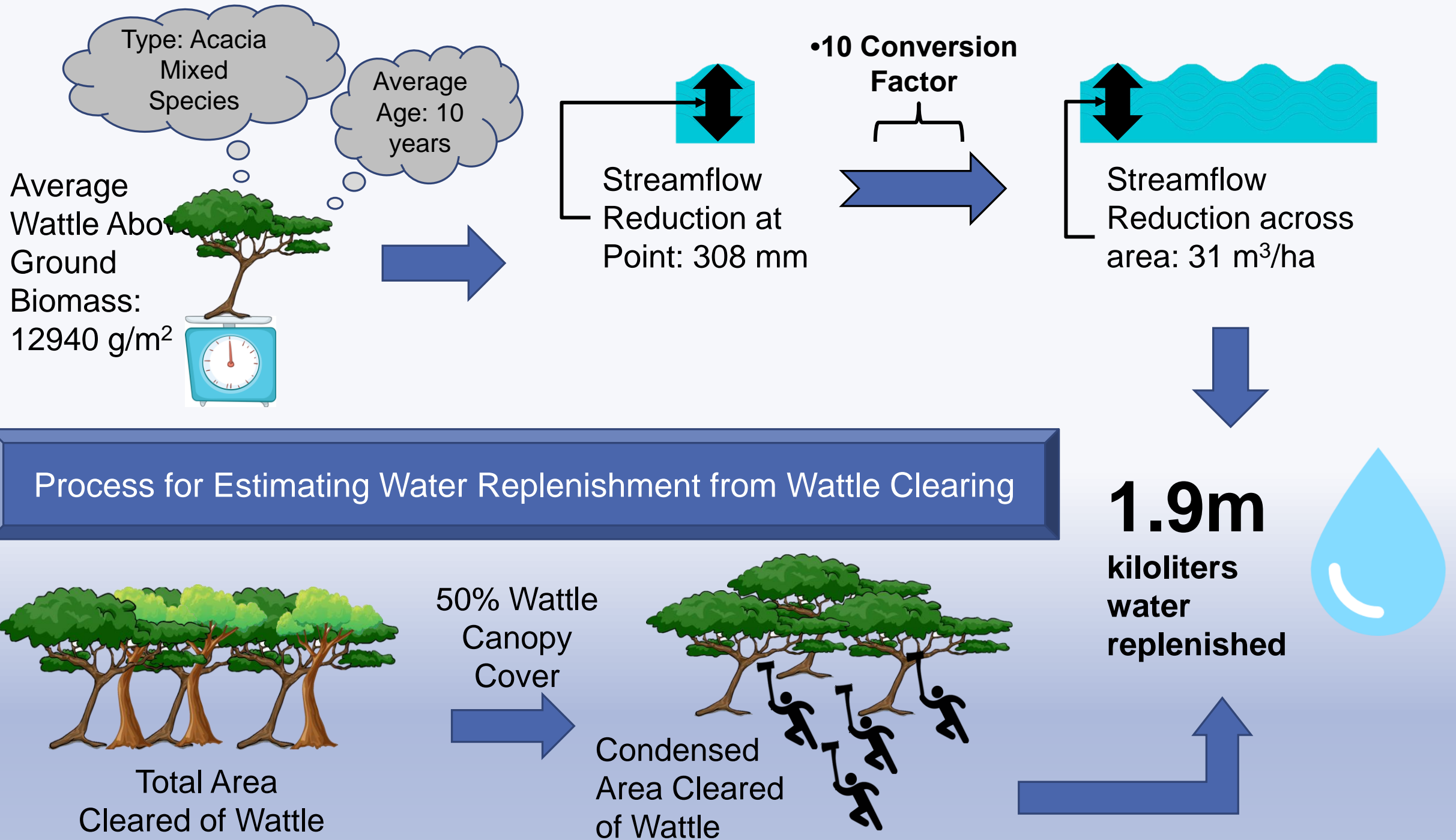
Interpretations:
Error, Monitoring,
and Theory



Takeaways and
Other Applications
of Controlled Study

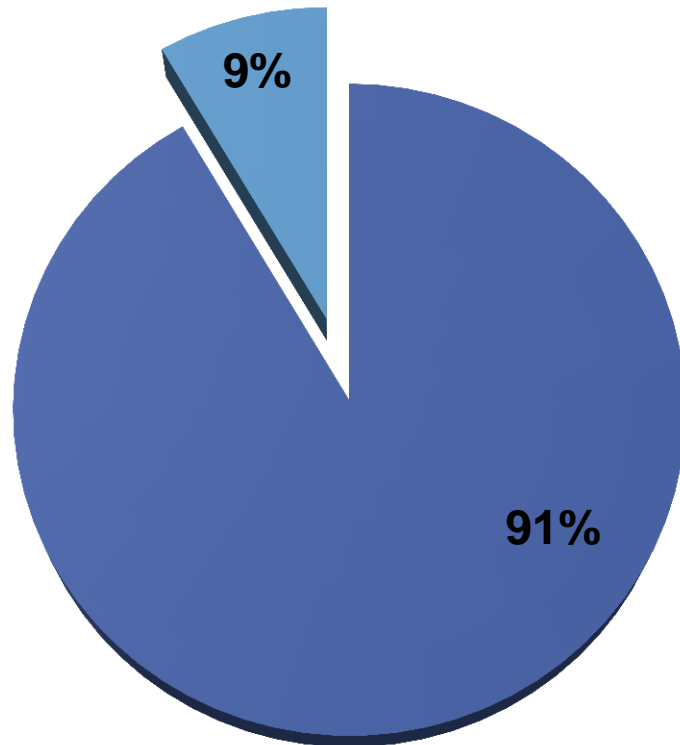
Estimating the Ecological Production Function





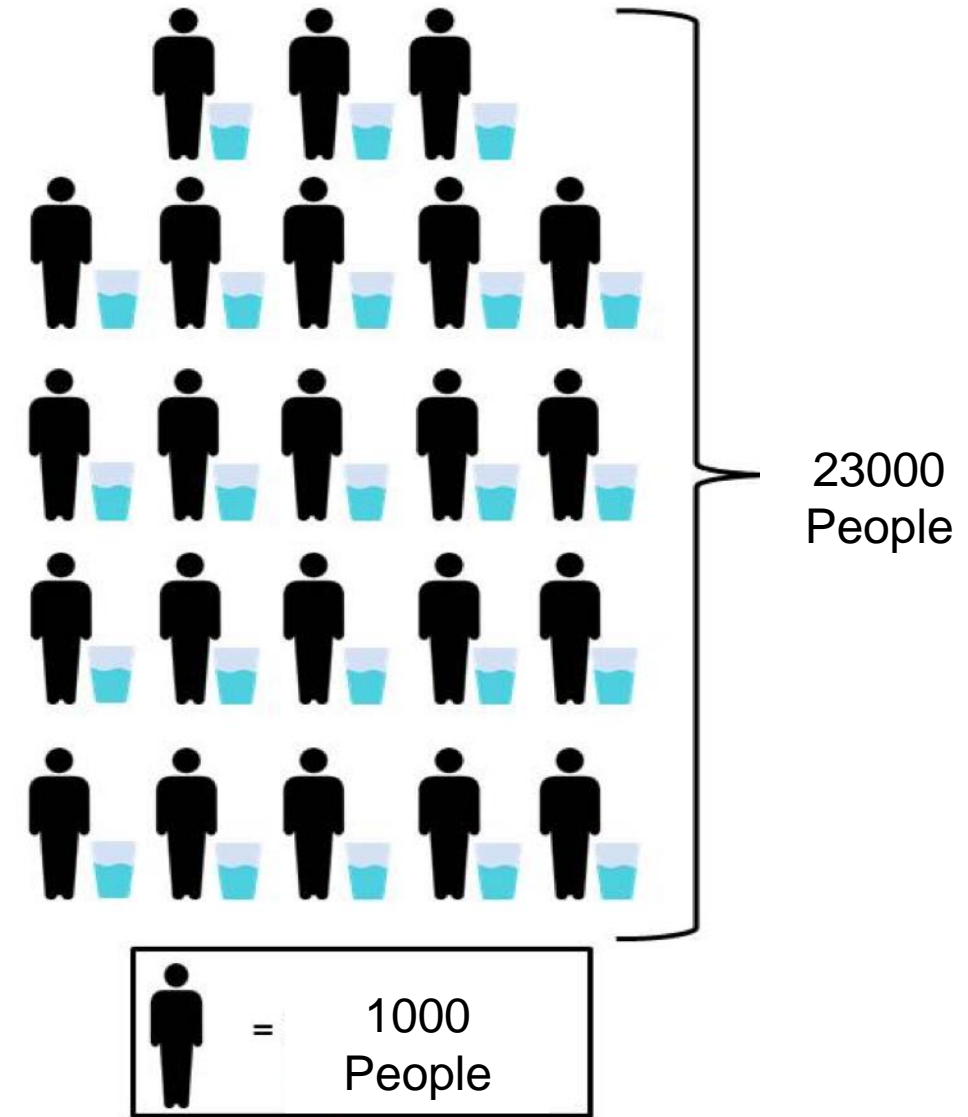
Findings

Water Replenished Proportional to the Annual Water Needs of the Umzimvubu Uplands Zone Population



- Umzimvubu Uplands Population
- People with Water Needs Met

Water Replenished Equivalent to Annual Water Use of Residents of KwaZulu-Natal



Takeaways

Data analysis can provide powerful numbers to gain community and donor support.

More precise and regular measurements needed to precisely estimate water replenishment.



2 ZERO
HUNGER



Through wattle clearing and the rotational grazing systems, the UCPP improves agricultural production, ensures resilient agricultural practices and thus contributes to food security.

6 CLEAN WATER
AND SANITATION



UCPP 's work provides clean and abundant water by improving:

- **Surface water replenishment**
- **Water quality**
- **Water infiltration and retention**

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8 DECENT WORK AND
ECONOMIC GROWTH



UCPP catchment restoration and management strategies and demonstration projects are a major job creation initiative.

15 LIFE
ON LAND



UCPP's work improves life on land by:

- **Improving vegetation quality**
- **Increasing vegetation quantity**
- **Removing alien invasives**



Measurable Objectives

- Set specific quantitative targets at different intervals

Monitoring & Collecting Data

- Frequent, standardized collection procedures
- Effective reporting and data management systems

Analysis & Application

- Controlled studies and data analysis to evaluate and reform interventions
- Institutionalize M&E in decision-making and donor/community outreach

Capacity Building

- Improve M&E procedures iteratively
- Annually review M&E
- Put the citizen in citizen science: trainings, mobile apps, community engagement

Recommendations and Action Plan

Next Steps

Specific
Objectives
and Targets

Plug in
the Gaps

Establish
Monitoring
Standards

New 5-Year
Plan

Monitoring as
Evidence for
Quantitative
indicators

Mobile App-
based data

Streamline
Monitoring
Procedures

Monitoring as
Integral to
Strategy Plans

Community
Engagement &
Training

Develop
Citizen
Science

Thank You

Aimee
Ginsburg

Mme
Sisse

Nicki
McLeod

Eco-
Rangers

WfW
Clearing
Team 4

Alfred Nzo
District
Municipality

Community
Partners

MNP

CSA

ERS

WASH

LIMA

