



Supportive Environments for Healthy Communities

# **WASH Blocks in Madagascar**

## **Setting the Ground for Sustainability**

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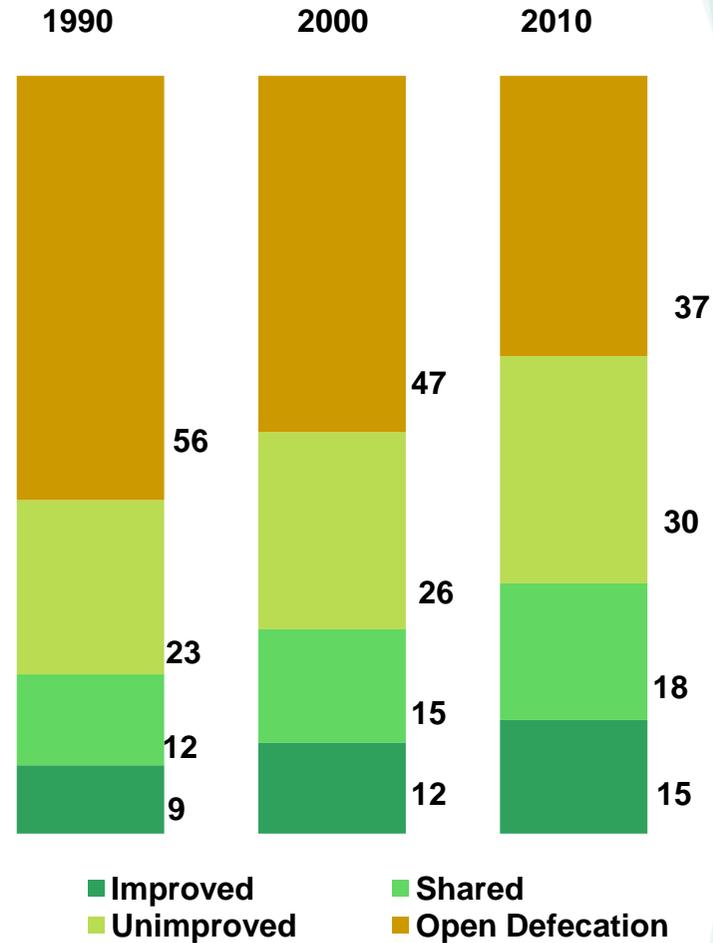
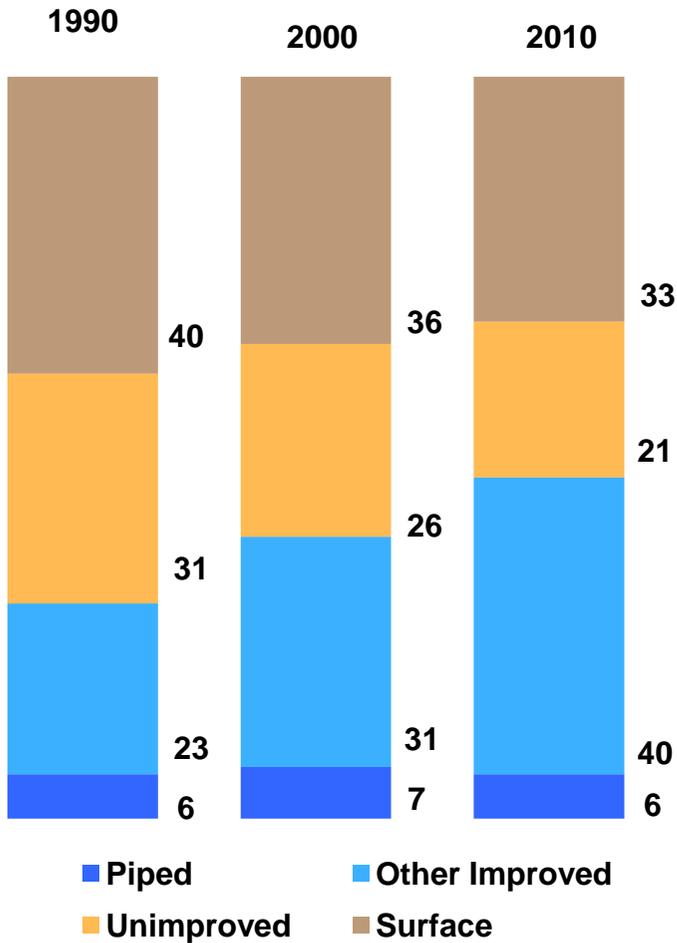
# Focus of Presentation

- Sustainability check for WASH blocks
- Background
- Components of the sustainability check
- Findings
- Strategy to foster sustainability
- Results
- Lessons learned and challenges
- Next steps

# Context, JMP Overtime Comparisons For Madagascar

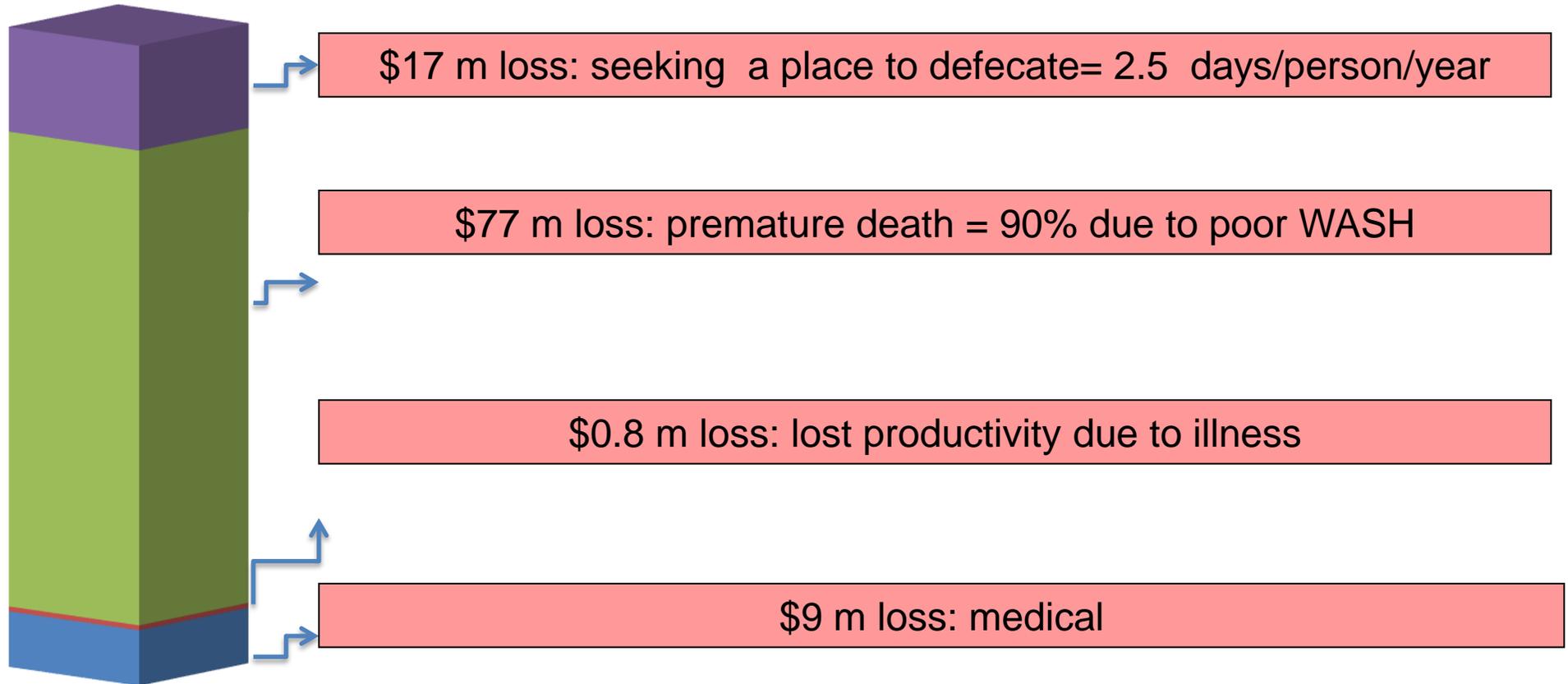
Sources of Water

Sanitation Facilities



# Context

WSP: “MG loses \$103m/yr due to poor sanitation”



# USAID/Madagascar Hygiene Improvement Activities

- Multiple year investment: (2005-2012)
- Four regions in central Madagascar and east coast
- At-scale (6.4 million people)
- HWS, POU and sanitation (CLTS + san marketing)
- “Multiples” (ministries, approaches, channels, etc.)
- “WASH Everywhere” and “WASH Friendly”  
approaches

# WASH Blocks

- 9 for-fee WASH facilities in high transient population areas
- Management arrangement including commune contract w/:
  - ✓ PVOs/NGO (e.g., Scouts)
  - ✓ private entrepreneur
- Different stages:
  - ✓ set up
  - ✓ initial operation period
  - ✓ sustainability check  
(corrective measures,
  - ✓ graduation



# Age of WASH Blocks

**2009 (3 years)**

1= Mahitsy

**2010 (2 years)**

4= Alakamisy, Ambanitsena, Ambohidratrimo,  
Sabotsy

**2011 (1 year)**

4= Andranomiadiloha, Mahanoro, Vatomandry,  
(Ambalavao)

# Sustainability Check Components

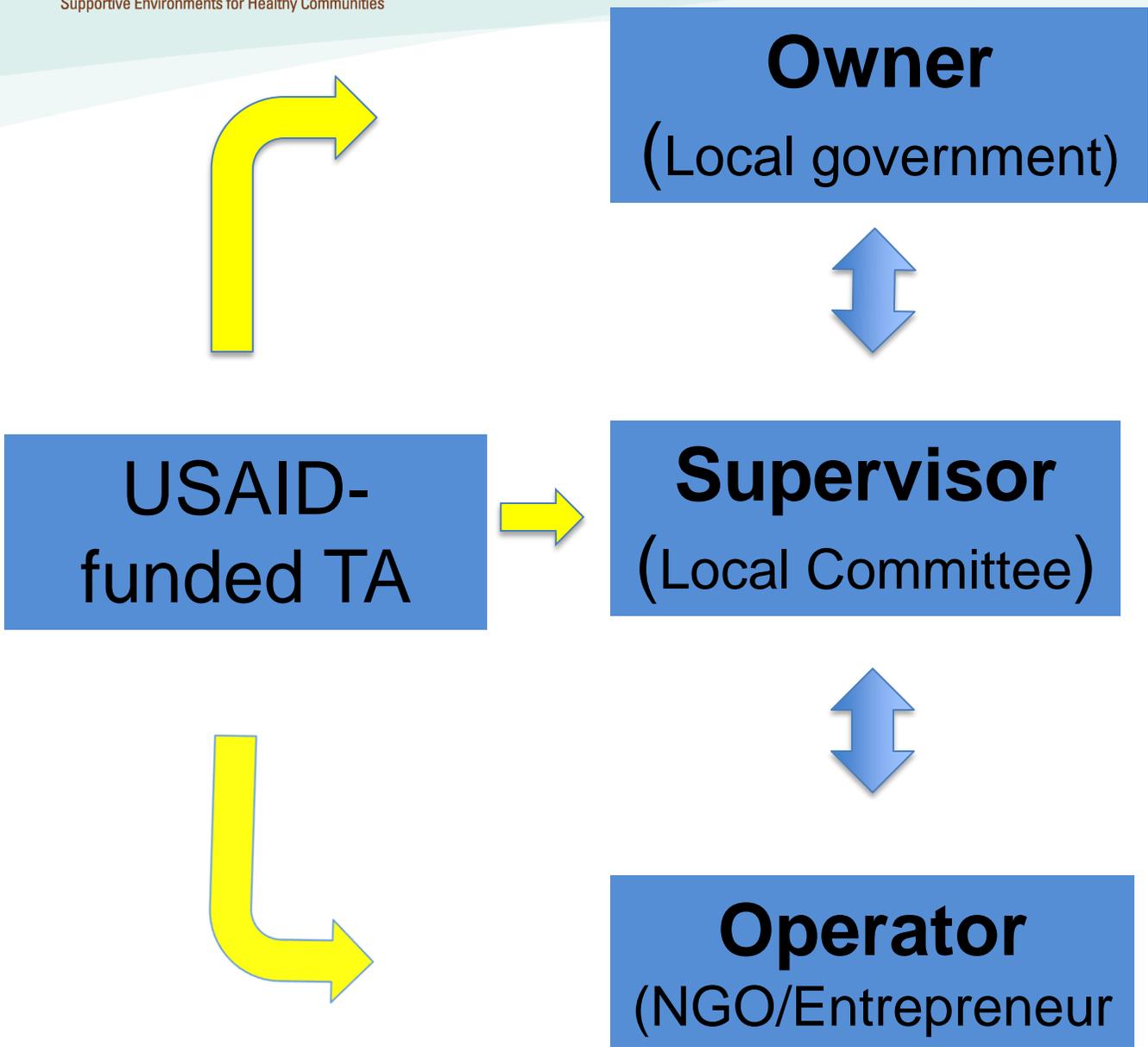
- Governance/management
- Operational
- Financial
- Environmental
- Social



# Assessment Approach

- Participatory
- Objective Measure
  - plans, invoices, accounting books, bank accounts, etc.
- Triangulation

# Roles



- Find operator
- Open bank account
- Establish fees
- Create revolving fund

- Co-sign transactions
- Ensure cleaning
- Ensure maintenance
- Supervise fund transfers
- Invest revolving fund

- Recruit/hire staff
- Collect fees
- Perform cleaning and maintenance
- Bookkeeping
- Remit % of take

# Management/Governance Elements

**Regulator**  
(Local gov't)



**Supervisor**  
(Local Committee)



**Operator**  
(NGO/Company)

- Formal relationship
- Trained
- Skill application
- Regulation enforced

- Structure
- Member skills
- Skill application (planning, simple financial manag't and procurement)
- Fees regularly paid to regulator/commune

- Contract formalized
- Staffed
- Roles and responsibilities
- Trained
- Customer satisfaction
- Accountability (financial)
- Employees and utilities paid regularly

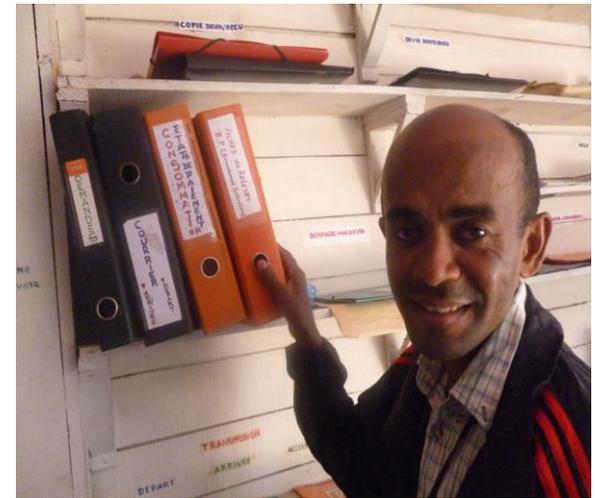
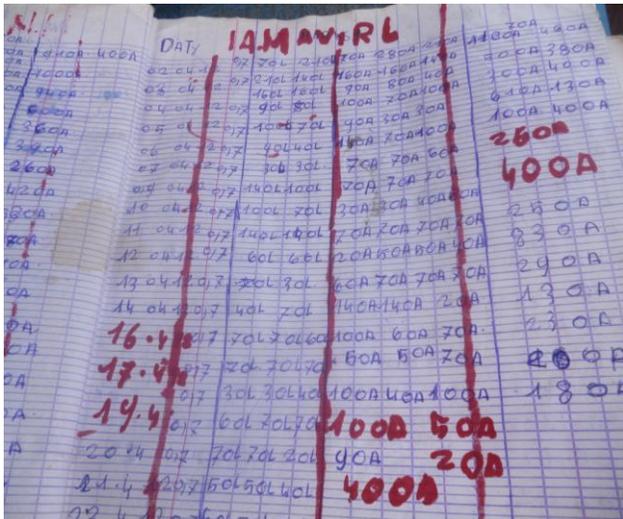
# Operational Sustainability Elements

- Water availability
- Operational plan
  - ✓ available
  - ✓ applied as expected



# Financial Sustainability Elements

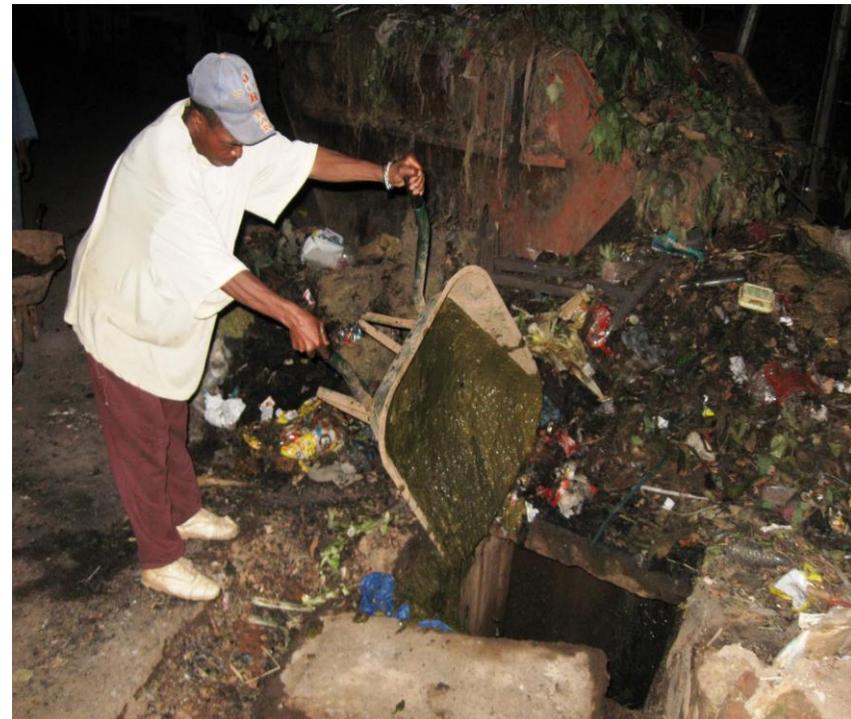
- Establishing revenue stream
- Management of revenue
- Investment plan available
- Investment plan applied



# Environmental Sustainability Elements After Operations Initiated

Environmental protection plan

- available
- enforced



# Social Sustainability Elements

- Rules for each type of service available
- Rules enforced
- Customer compliance



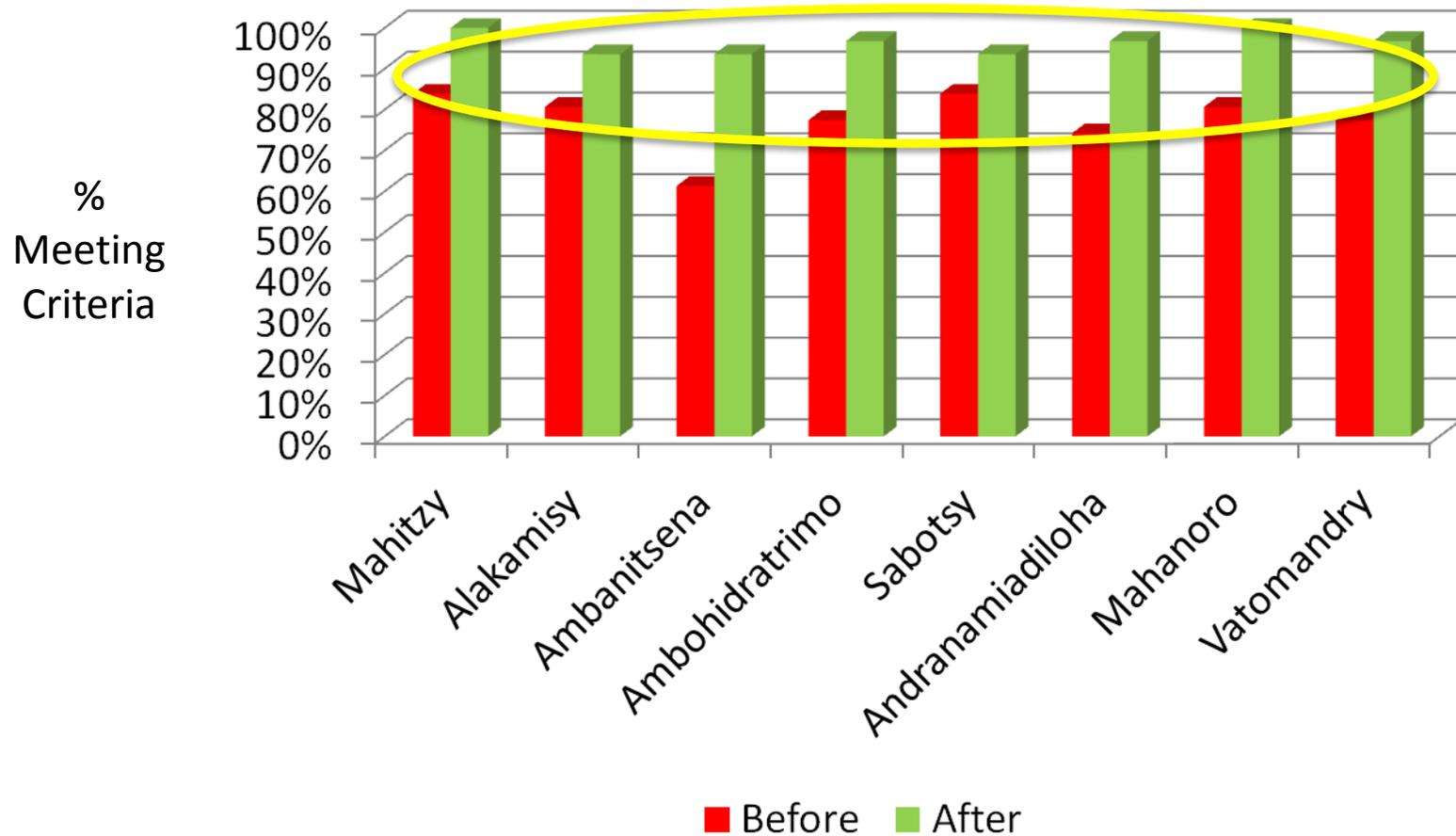
# Results of First Application of Sustainability Check

	Management	Operational	Financial	Environmental	Social
Mahitsy	84	75	100	0	83
Alakamisy	81	75	67	0	33
Ambanitsena	61	100	0	0	67
Ambohidratimo	77	75	67	0	67
Sabotsy	84	100	67	0	50
Andranomiadiloha	74	100	0	100	17
Mahanoro	81	50	83	0	33
Vatomandry	77	50	67	0	50

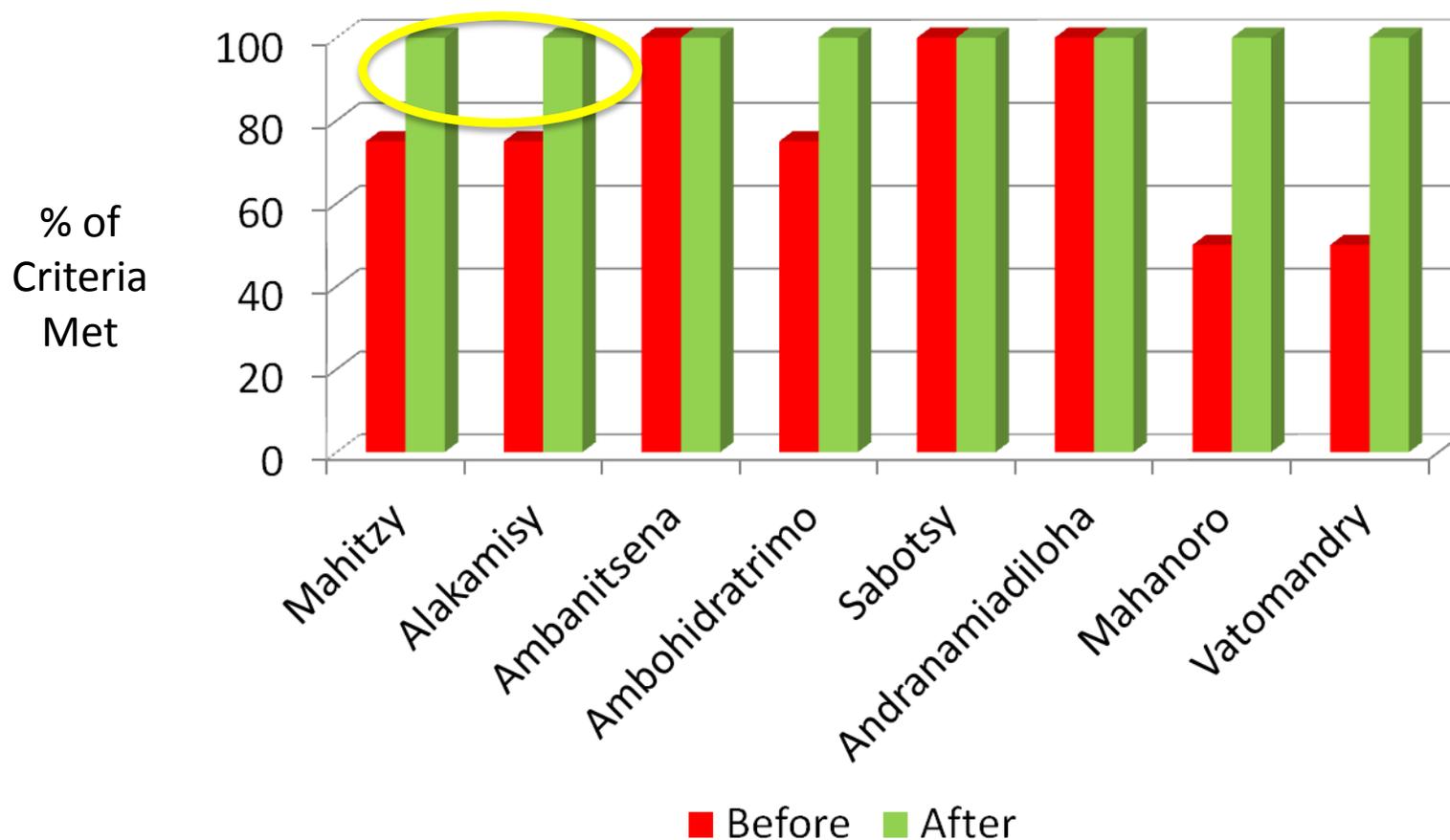
# Corrective Strategy

- Consistent per topic: same approach for specific issues
- Customized to specific needs: not all blocks need the same support

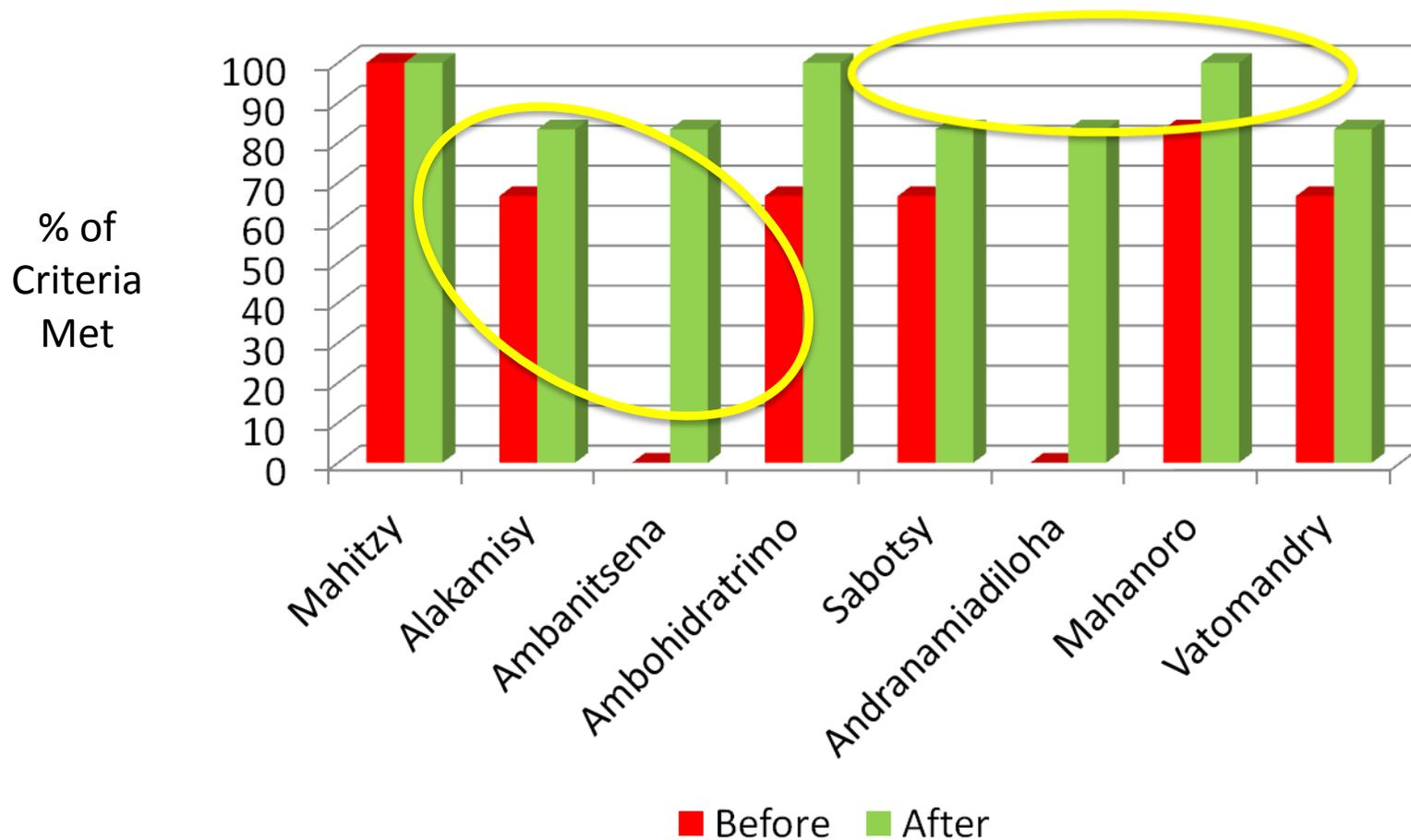
# Major Findings, Management Score



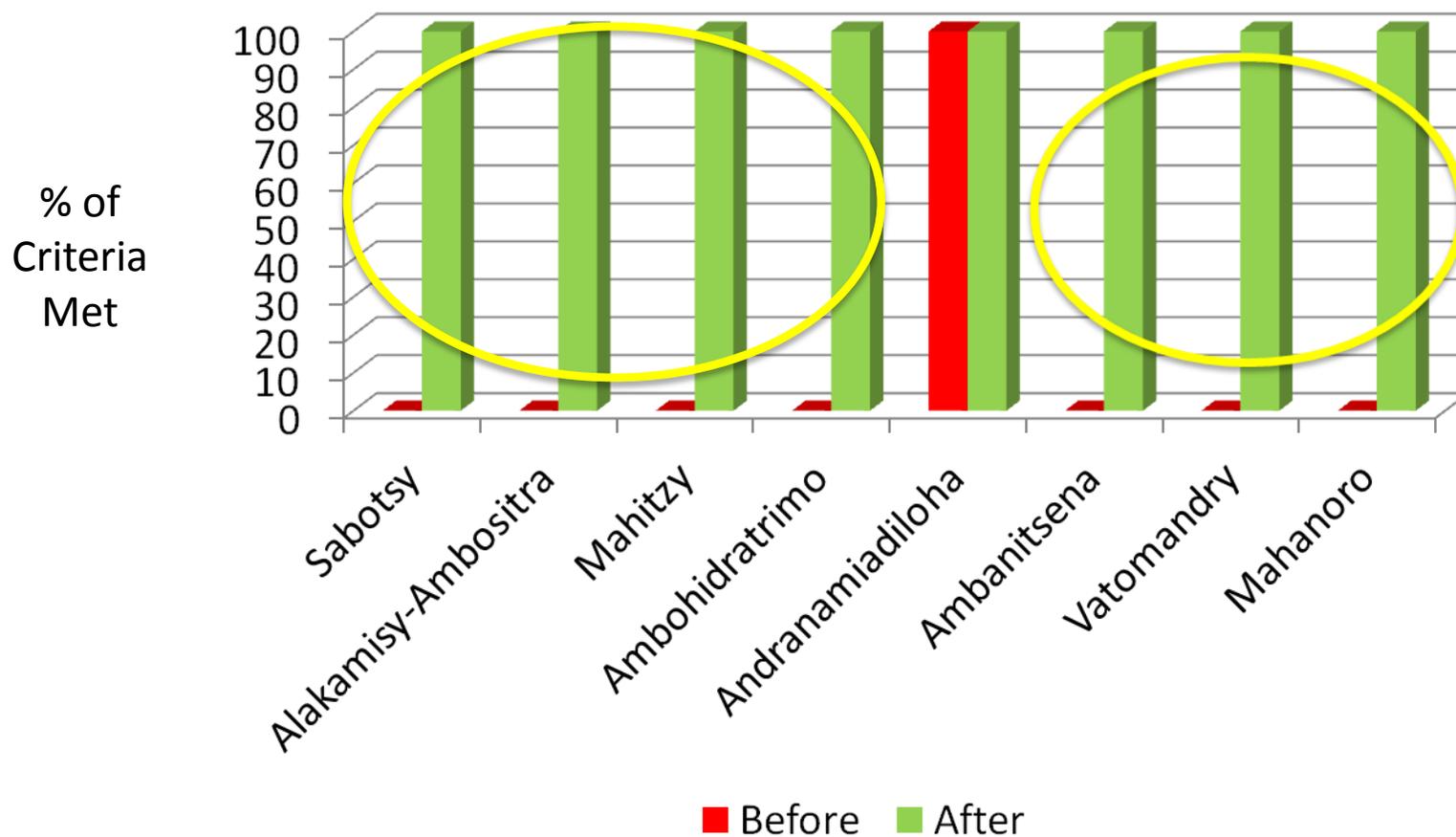
# Major Findings, Operational Score



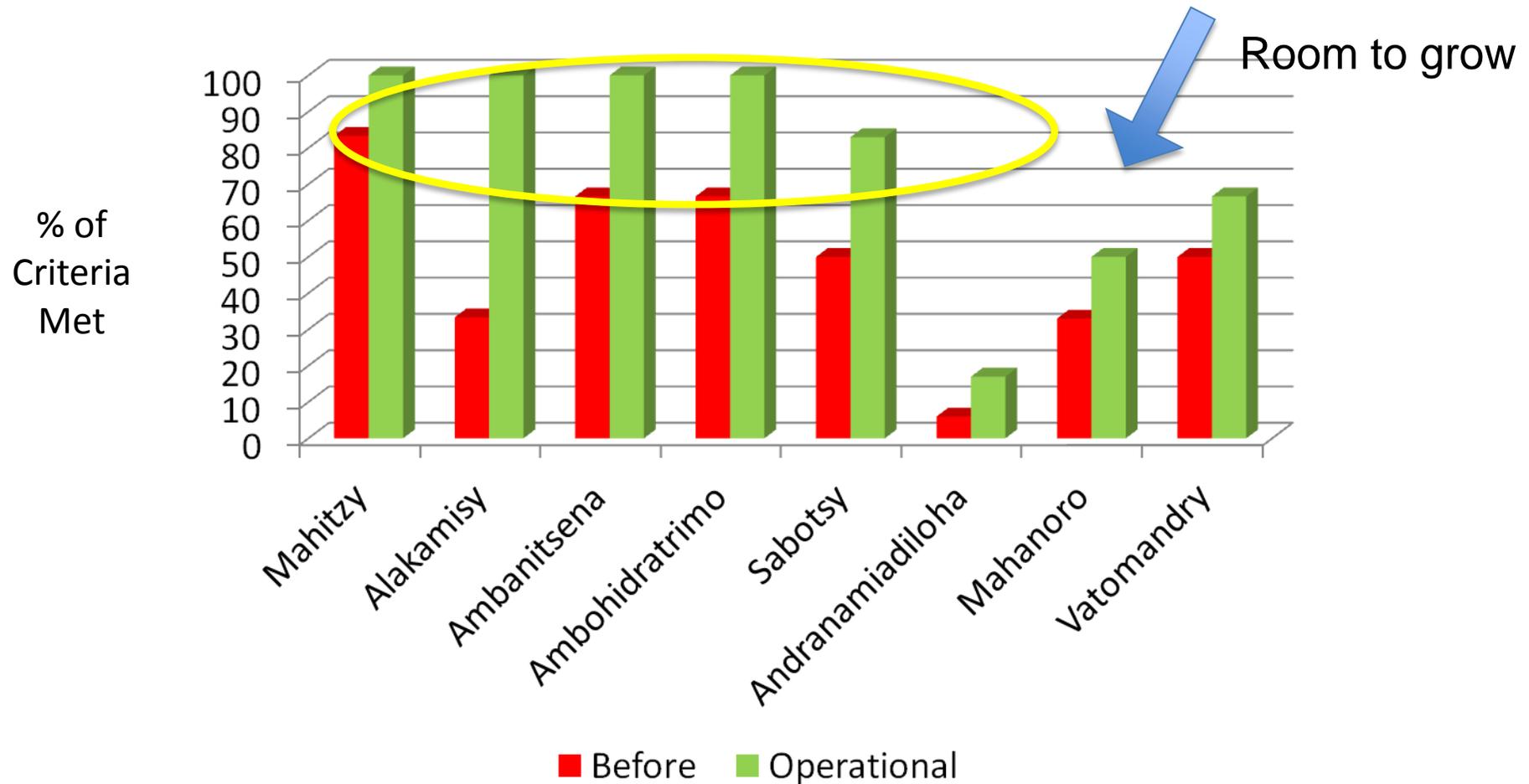
# Major Findings, Financial Score



# Major Findings, Environmental Score



# Social Sustainability Score



# Lessons Learned

- Location of infrastructure
- Constitution of management committee
- Ownership
- Regular monitoring
- Pit emptying

# Challenges

- Room for change
- Changing priorities and attrition of community leaders
- Anticipated life of project/investment
- Replacement costs and use of investment funds

Thank you

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