



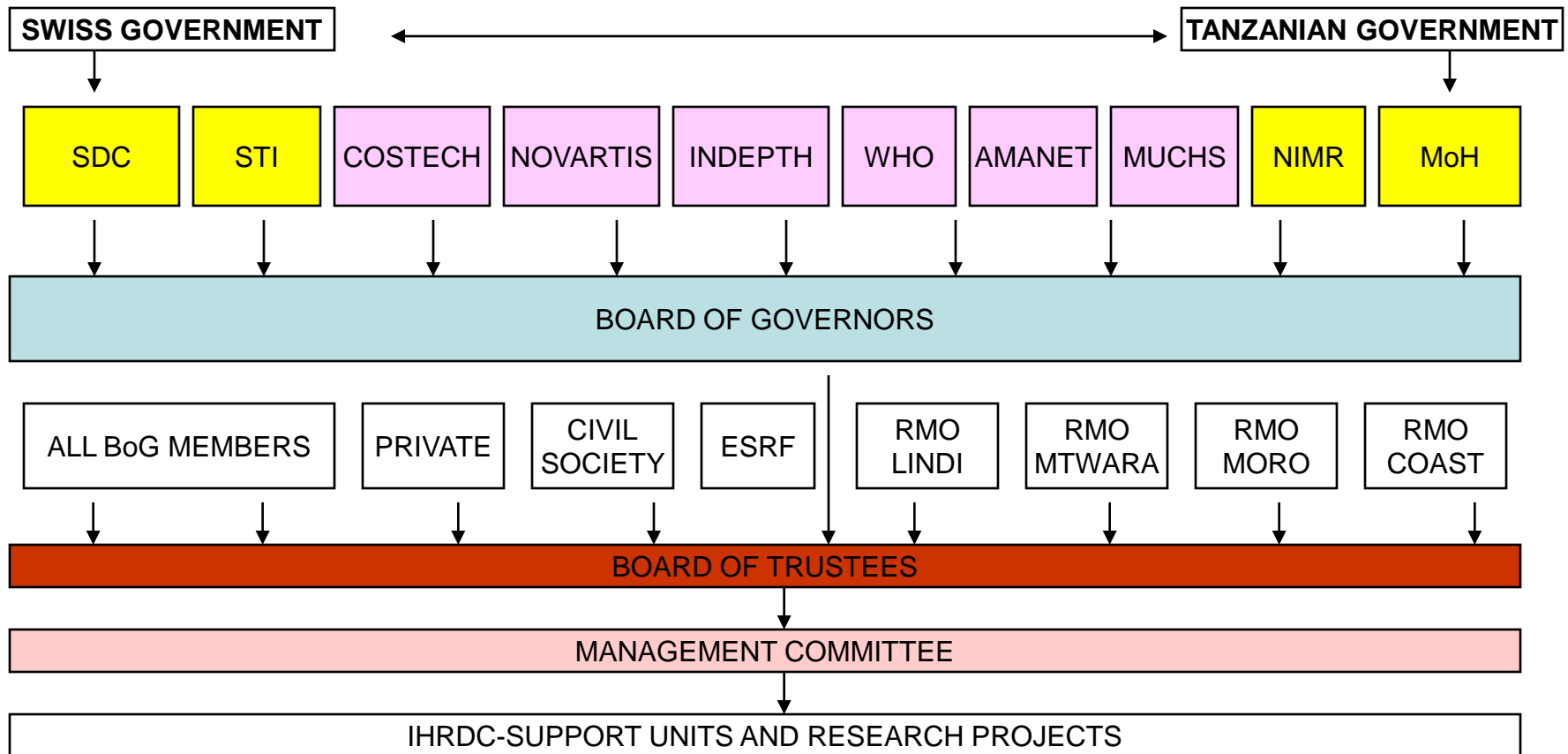






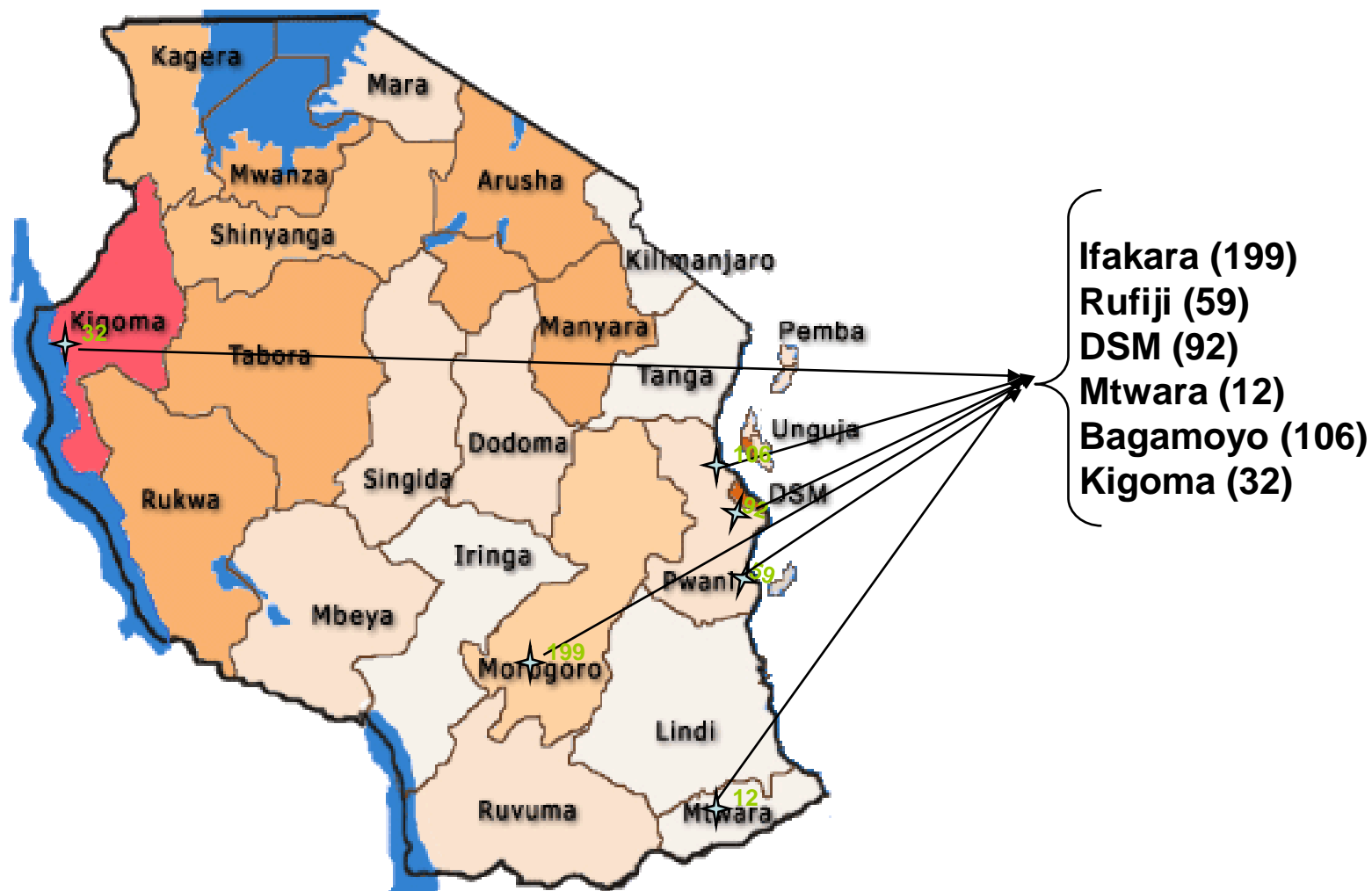


# Governing Bodies Organization



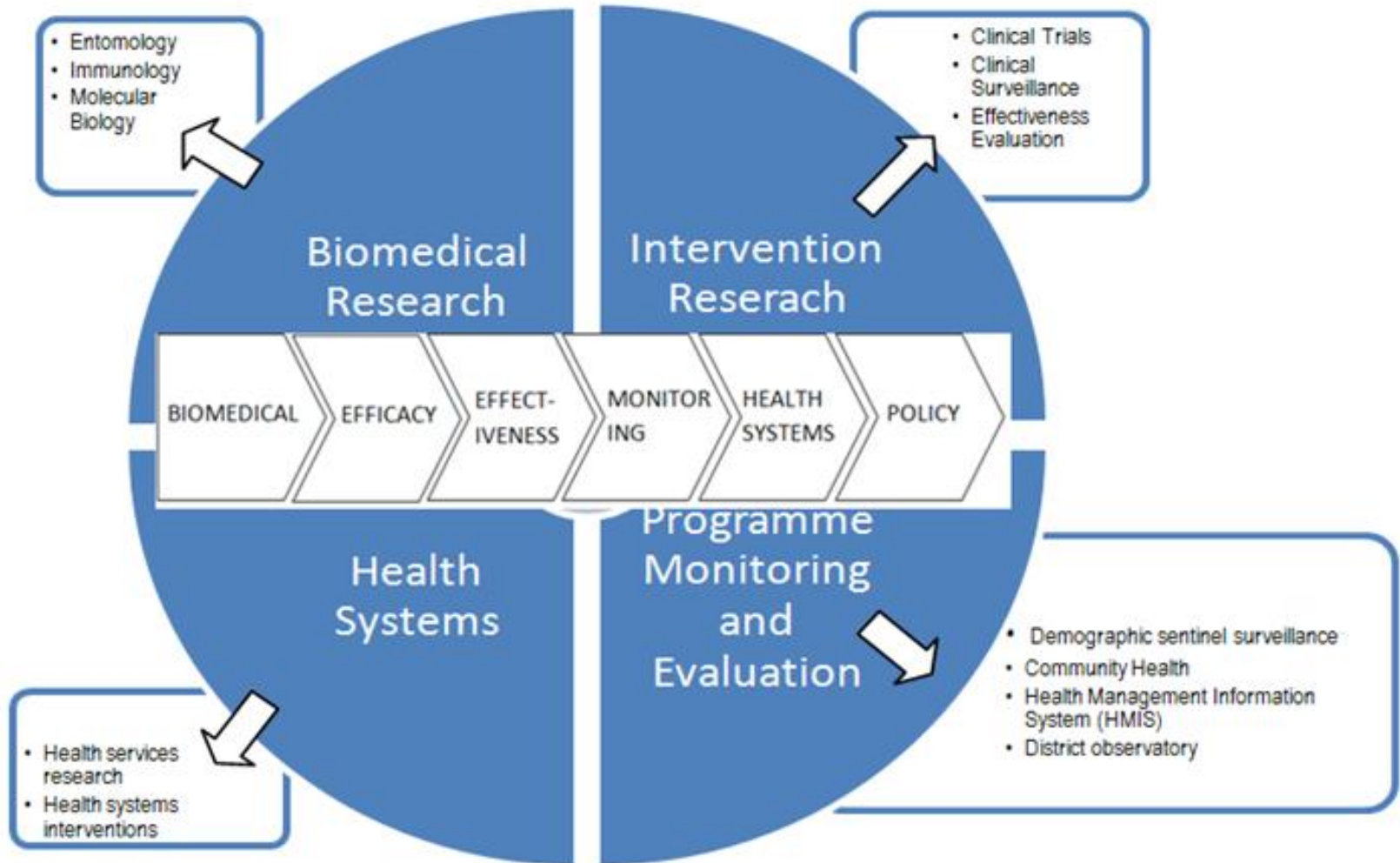
- Founder Members
- Associate Founder Members

# Research Sites and Staff distribution 2008





# Strategic Objectives



**Capacity Building**

**Translation of Research Results into Policy**

# Research Infrastructure

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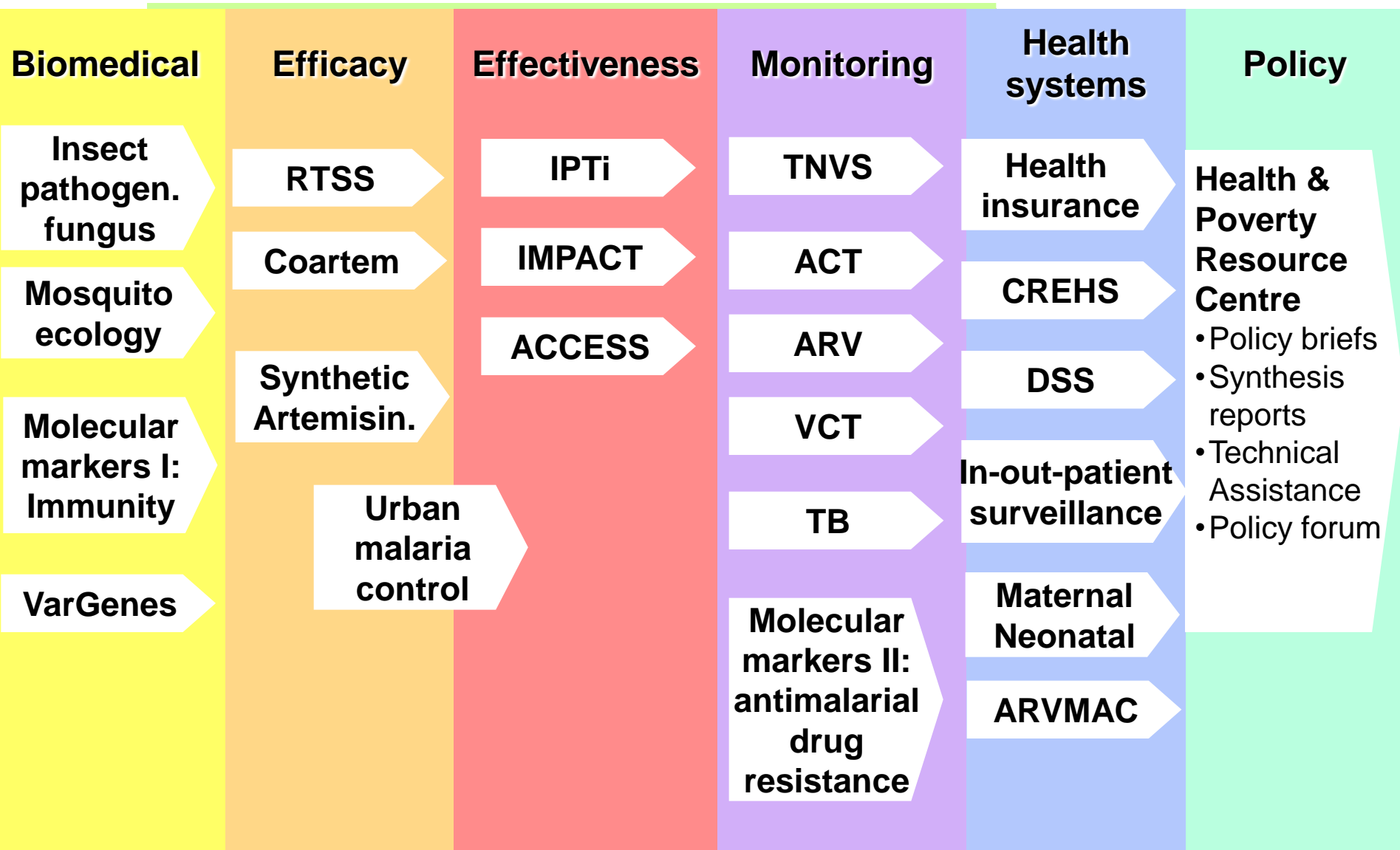
- Screen house and entomological labs
- Population and facility based surveillance
- Accredited clinical trials facilities and expertise
- Quality controlled laboratories
- Validated data management facilities
- Training facilities for clinical and research studies

# **Core competency**

- Mosquito ecology and interventions studies
- Epidemiology and Public health
- Interventions studies on Malaria, TB and HIV
- Disease surveillance
- Monitoring and evaluation assessment of programmes
- Health systems and interventions evaluation
- Socio-Behavioral sciences
- Policy analysis

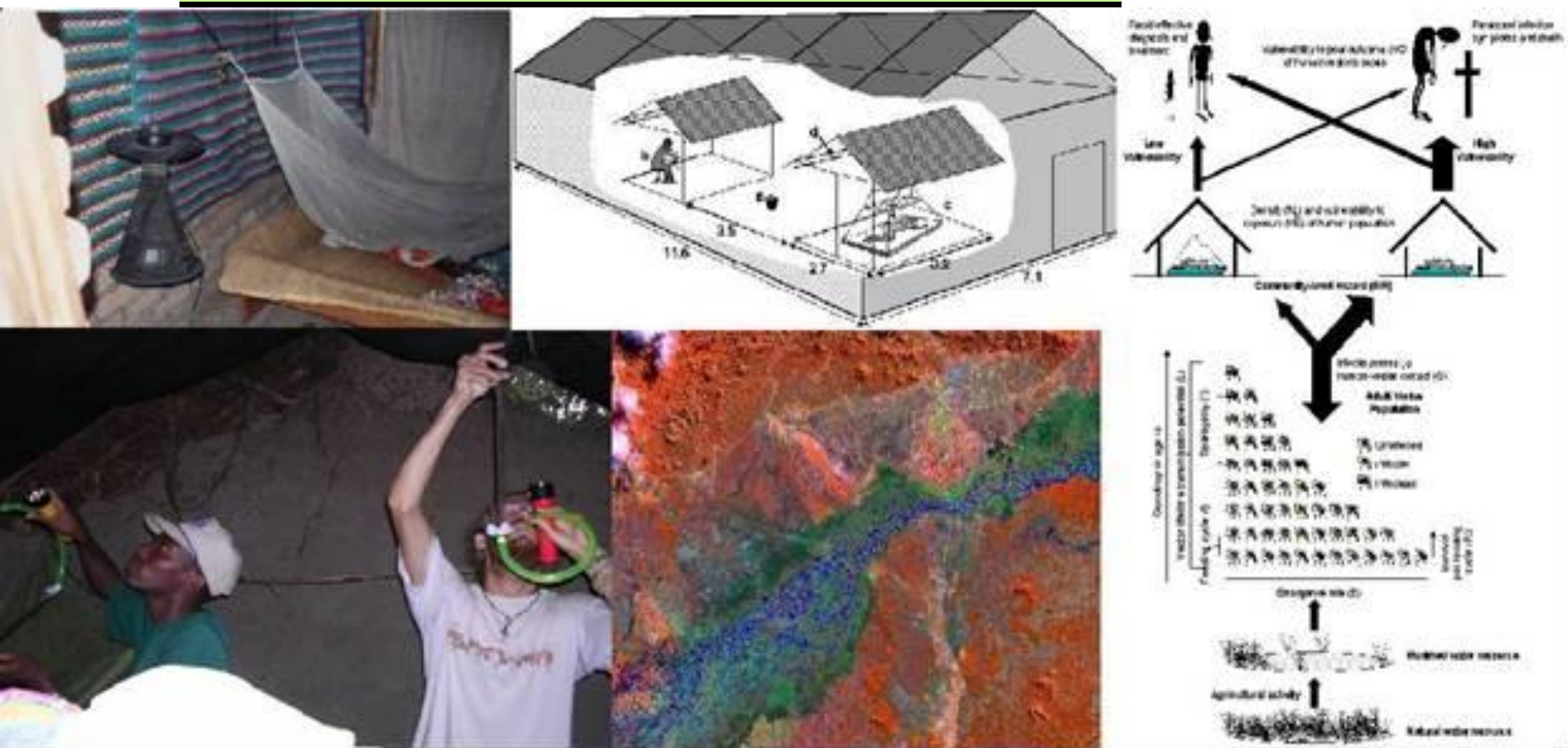


# The IHI Portfolio



# **Examples of products and services**

# Tools for malaria epidemiology, surveillance and control



## Projects:

***Spatial analysis of impact of insecticide-treated nets for malaria control in Tanzania***

**Malaria transmission intensity and mortality burden across Africa (MTIMBA)**

**Insect pathogenic fungus *Metarhizium anisopliae* as a biocontrol agent for malaria vectors**



# Malaria prevention using ITNs

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Exploratory studies in '95-7

Social Marketing in 1997

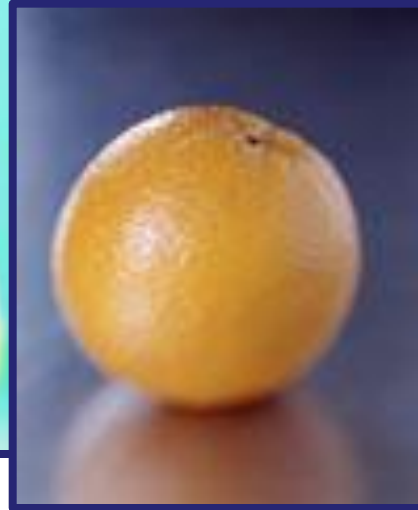
Long term effects-'99-2004

National scale 2001

National M&E 2002

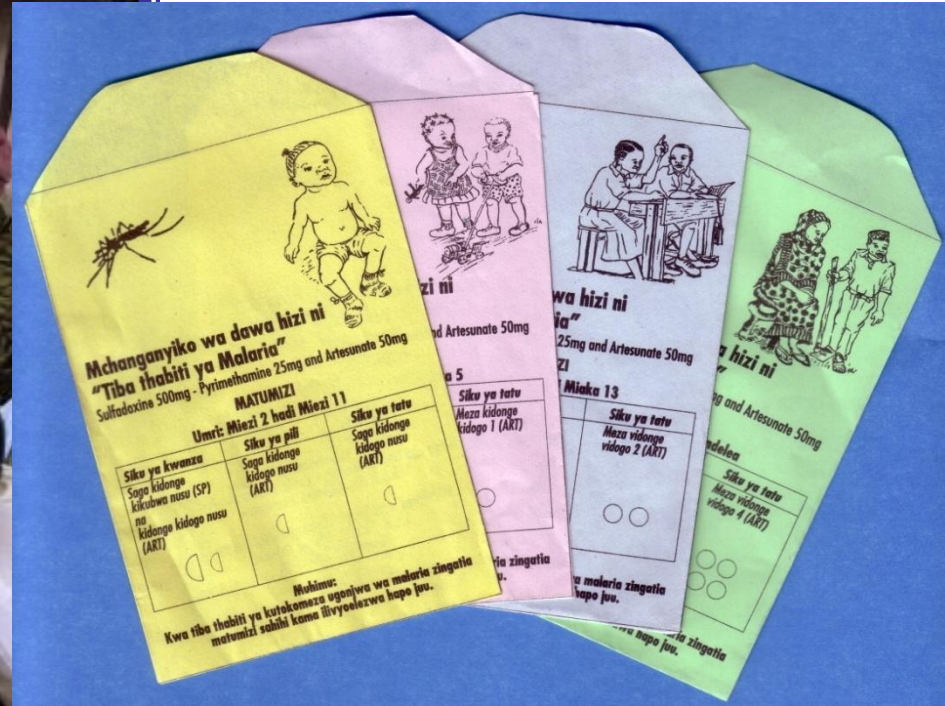
GF Voucher scheme 2003

# Clinical development of Coartem<sup>®</sup> and Coartem<sup>®</sup> Dispersible



Tested crush tablet, Tested palatability and dispersible

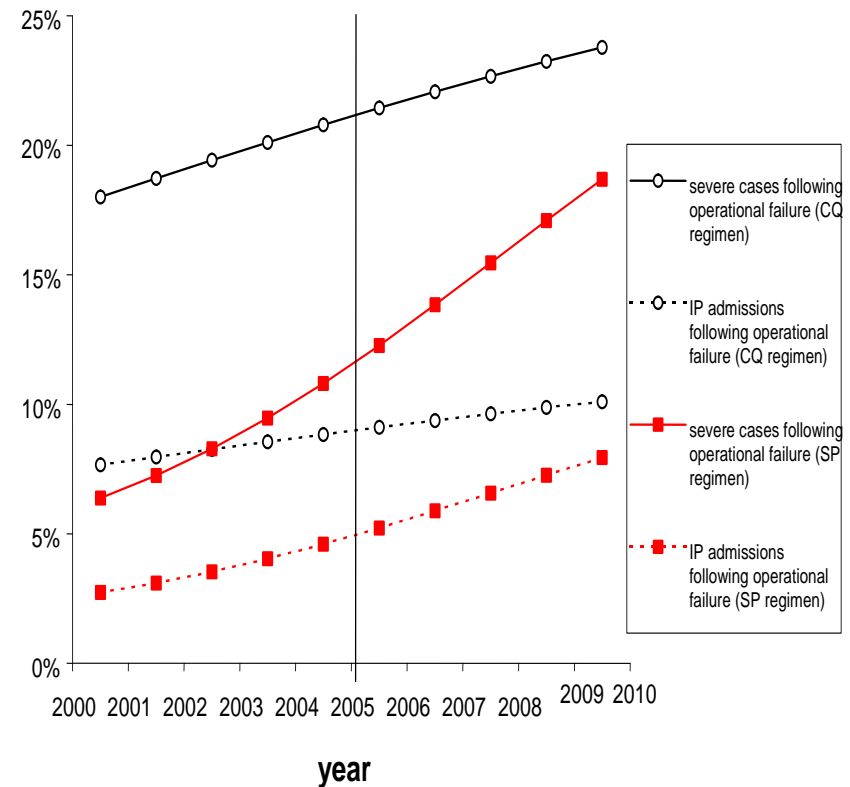
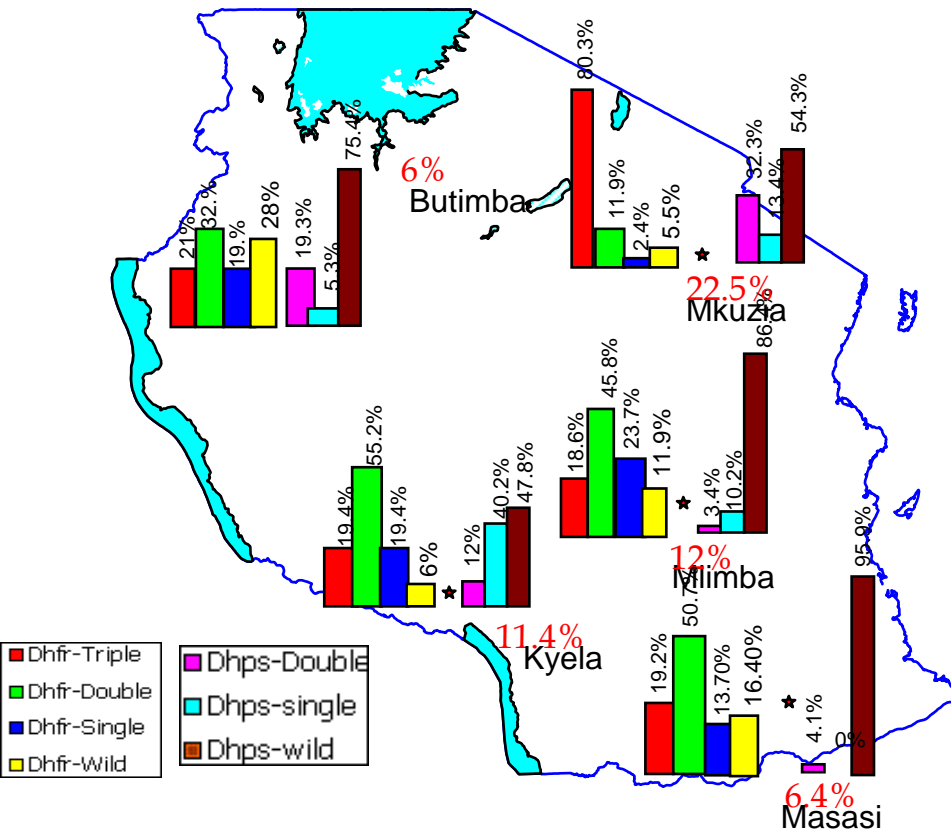
# Assessment of public health tools



Tested education material & packaging

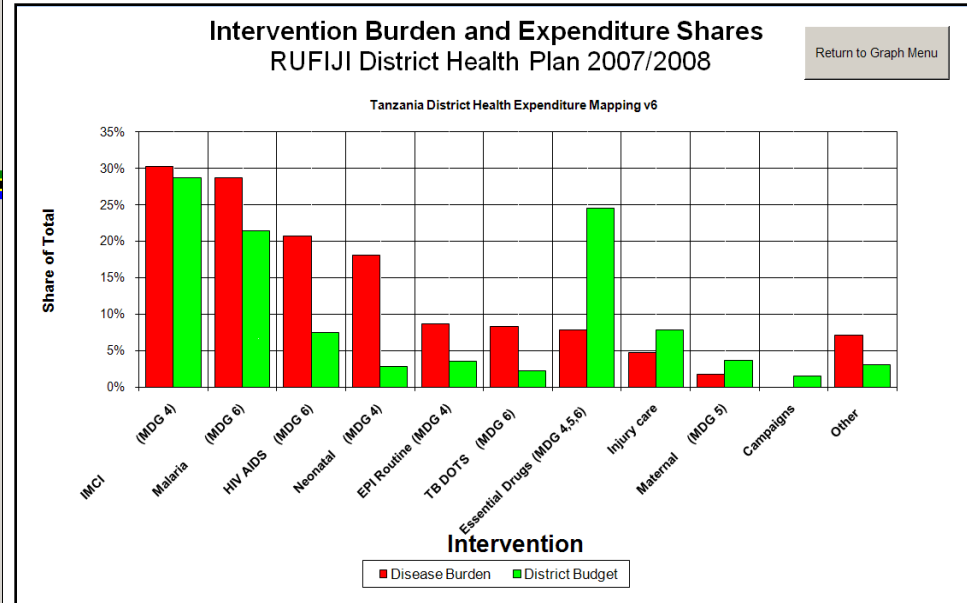
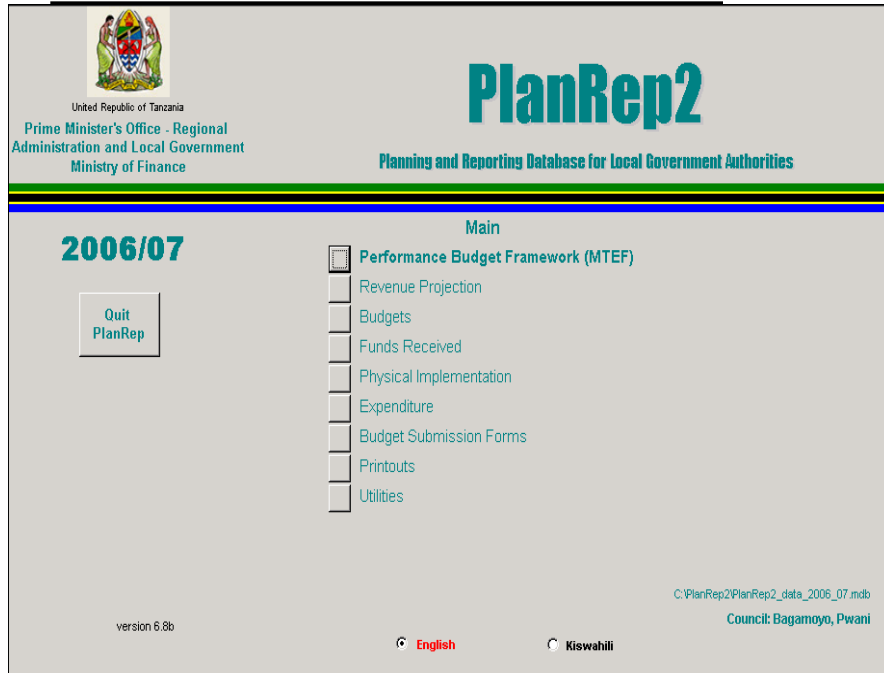


# Policy relevant analysis : Use SP for treatment of malaria



2006: Coartem introduced as National policy

# Health accounts for resource allocation



- District Health Accounts tool and PlanRep2
  - Maps district budgets and expenditures in relation to burden
  - Helps align spending with priorities
  - Improves transparency and accountability

# **IMCI decreases mortality**

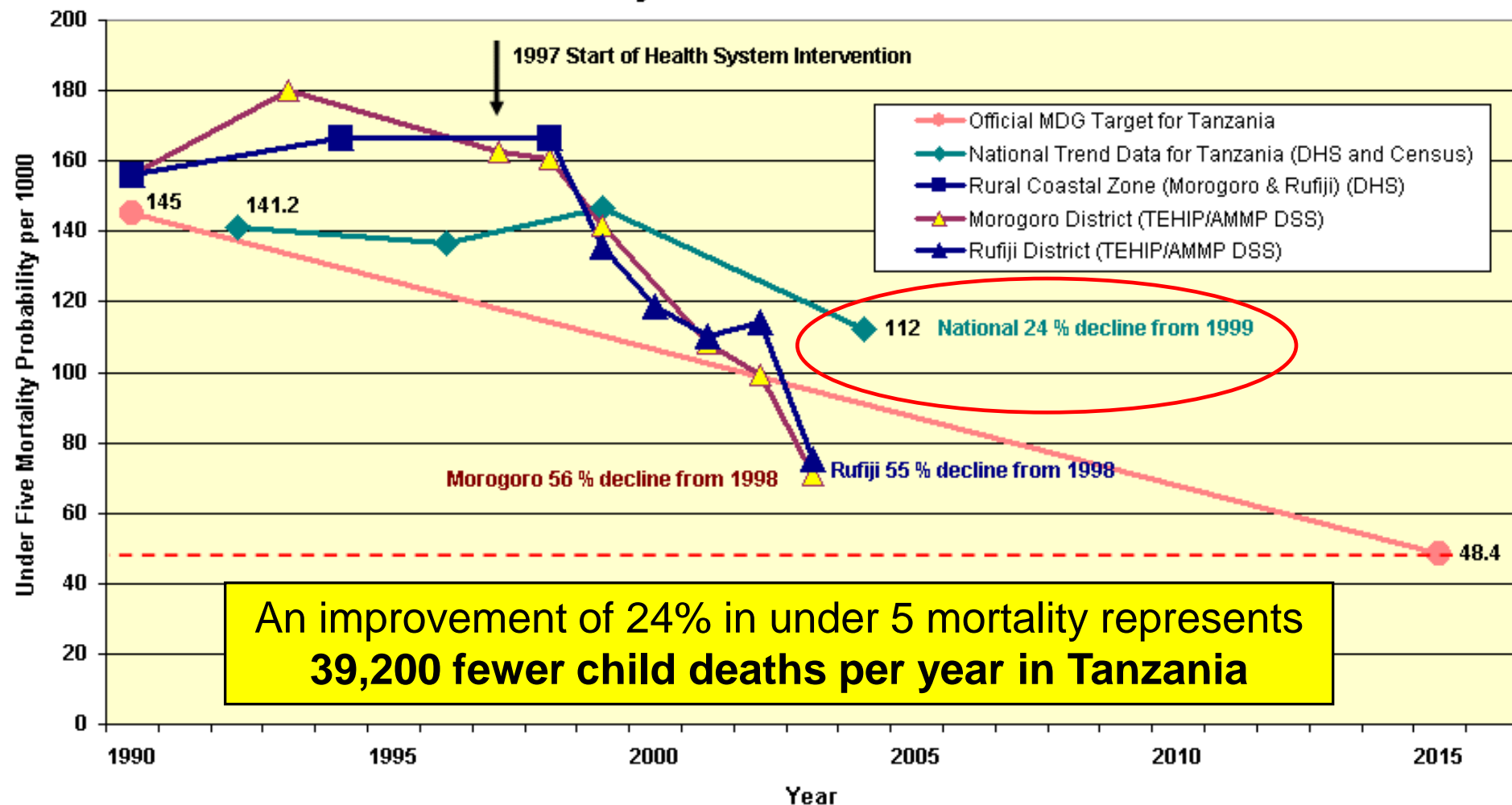
- Baseline mortality levels were the same in IMCI and comparison districts
- After 2 years, mortality was 13% lower in IMCI districts.

District	Under five mortality rate (per 1,000 births)	
	BEFORE	AFTER
IMCI districts	128	115
Comparison districts	127	133

**IMCI could save the lives  
of 28,000 Tanzanian children each year.**



# DSS shows an MDG in sight...



## Child survival gains in Tanzania: analysis of data from demographic and health surveys

*Honorati Masanja, Don de Savigny, Paul Smithson, Joanna Schellenberg, Theopista John, Conrad Mbuya, Gabriel Upunda, Ties Boerma, Cesar Victora, Tom Smith, Hassan Mshinda*

### Summary

*Lancet* 2008; 371: 1276–83

Ifakara Health Research and  
Development Centre, Ifakara,  
Tanzania (H Masanja PhD,  
Prof D de Savigny PhD,

**Background** A recent national survey in Tanzania reported that mortality in children younger than 5 years dropped by 24% over the 5 years between 2000 and 2004. We aimed to investigate yearly changes to identify what might have contributed to this reduction and to investigate the prospects for meeting the Millennium Development Goal for child survival (MDG 4).

# 24% decline in under five mortality over 5 years between 2000-2004





United Republic of Tanzania

# Poverty and Human Development Report 2005





# Training activities



- Skills Training of staff and health stakeholders
- Platform for MSc and PhD
- Modules on public health, epidemiology, statistics and Clinical research

- Applied research course for junior scientist
- MSc courses for specific research areas
- Training of Trainers on effective research teaching for scientists
- Mentorship program for junior scientist
- Short courses for users of health research



# **Monitoring Achievements: Research**

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**Grants received:** Number of competitive grants attracted

**Publications:** Scientific journals and policy briefs

## **Policy & action**

- Biomedical: Larviciding,
- Interventions: new malarial drug & policy, ITN scale up, IPTi
- Health systems: IMCI, Planning tools, health financing w/shop
- Monitoring & Evaluation: TNVS, TB Dots, RDTs, PMCT

**Patents and products:** 3 patents and 1 trade mark

**Society impact:** Reduction of the malaria burden in Ifakara, improvement of quality of care (Ifakara & Bagamoyo)

**International recognition:** 2008 Prince of Asturias award



