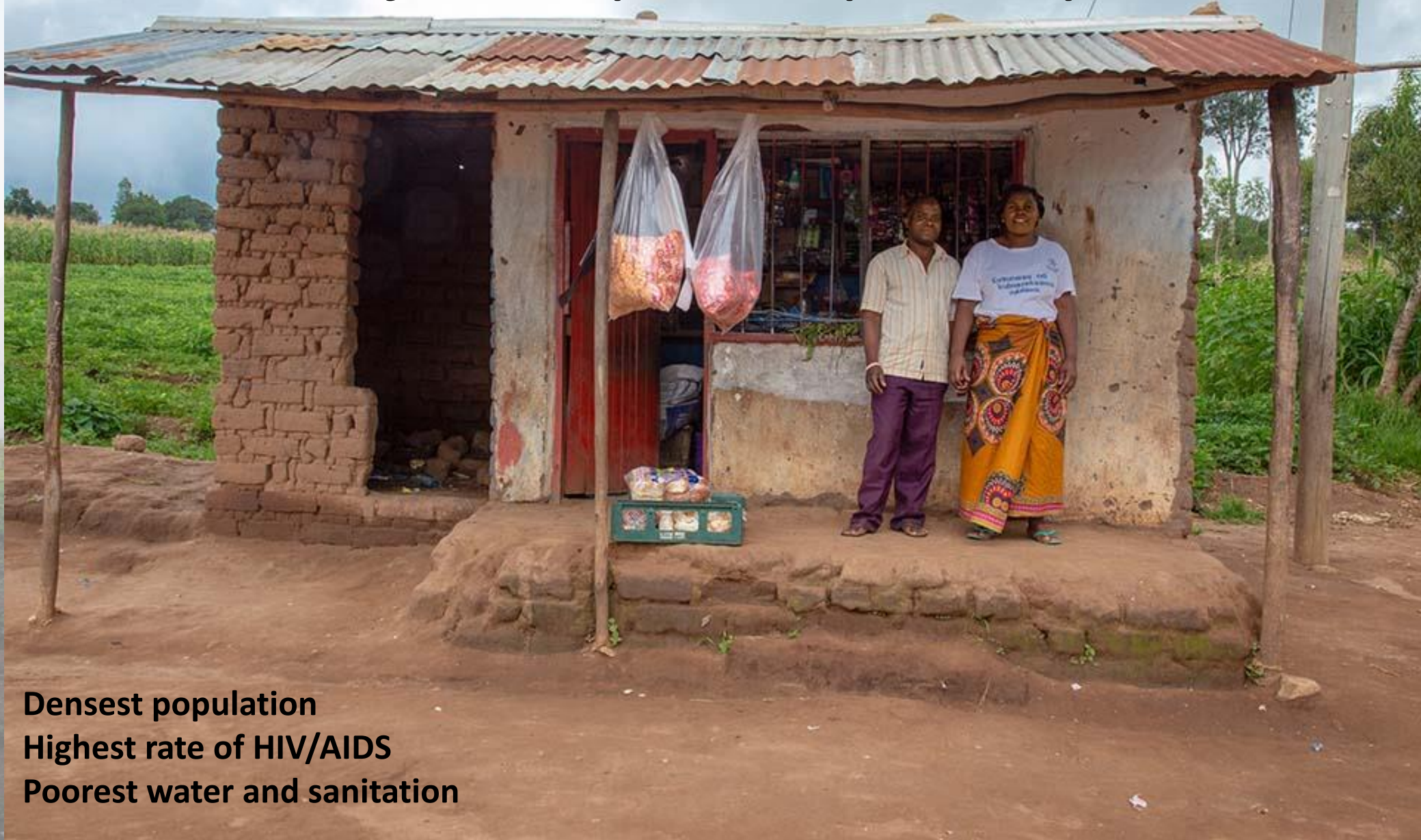


Health & Development in Malawi: Mulanje Mission Hospital



Mulanje: deep rural poverty



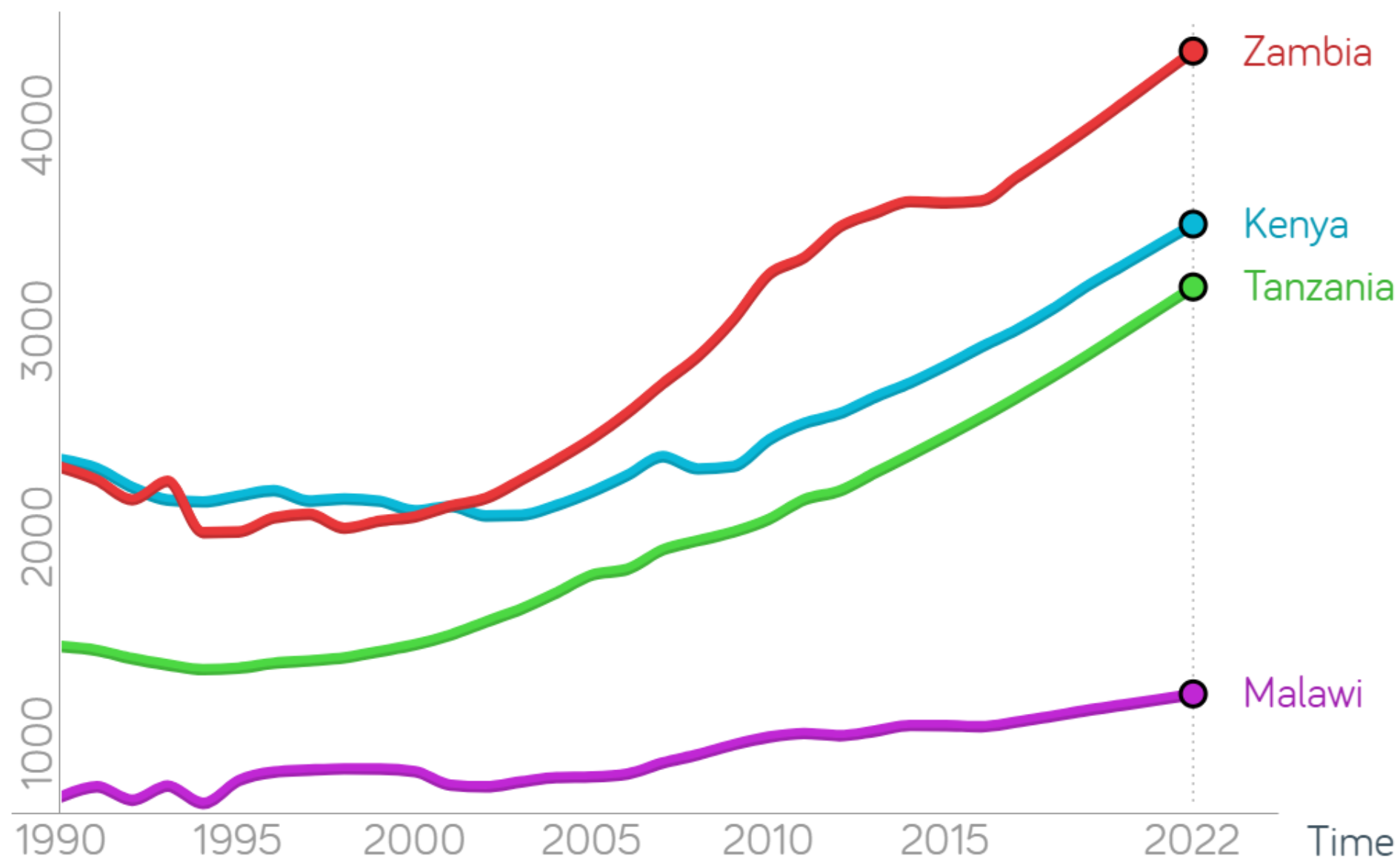
Densest population
Highest rate of HIV/AIDS
Poorest water and sanitation

80% of population is subsistence farmer



Income per person (GDP/capita, PPP\$ inflation-adjusted) ?

DATA DOUBTS



Color Country ▼

- Kenya
- Malawi
- Tanzania
- Zambia

Show zambia

Country ▼

- ☒ Zambia
- ☒ Tanzania
- ☒ Malawi
- ☒ Kenya
- ☐ Afghanistan
- ☐ Albania
- ☐ Algeria
- ☐ Andorra
- ☐ Angola
- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Armenia
- ☐ Australia
- ☐ Austria

RESET

APPLY



OPTIONS



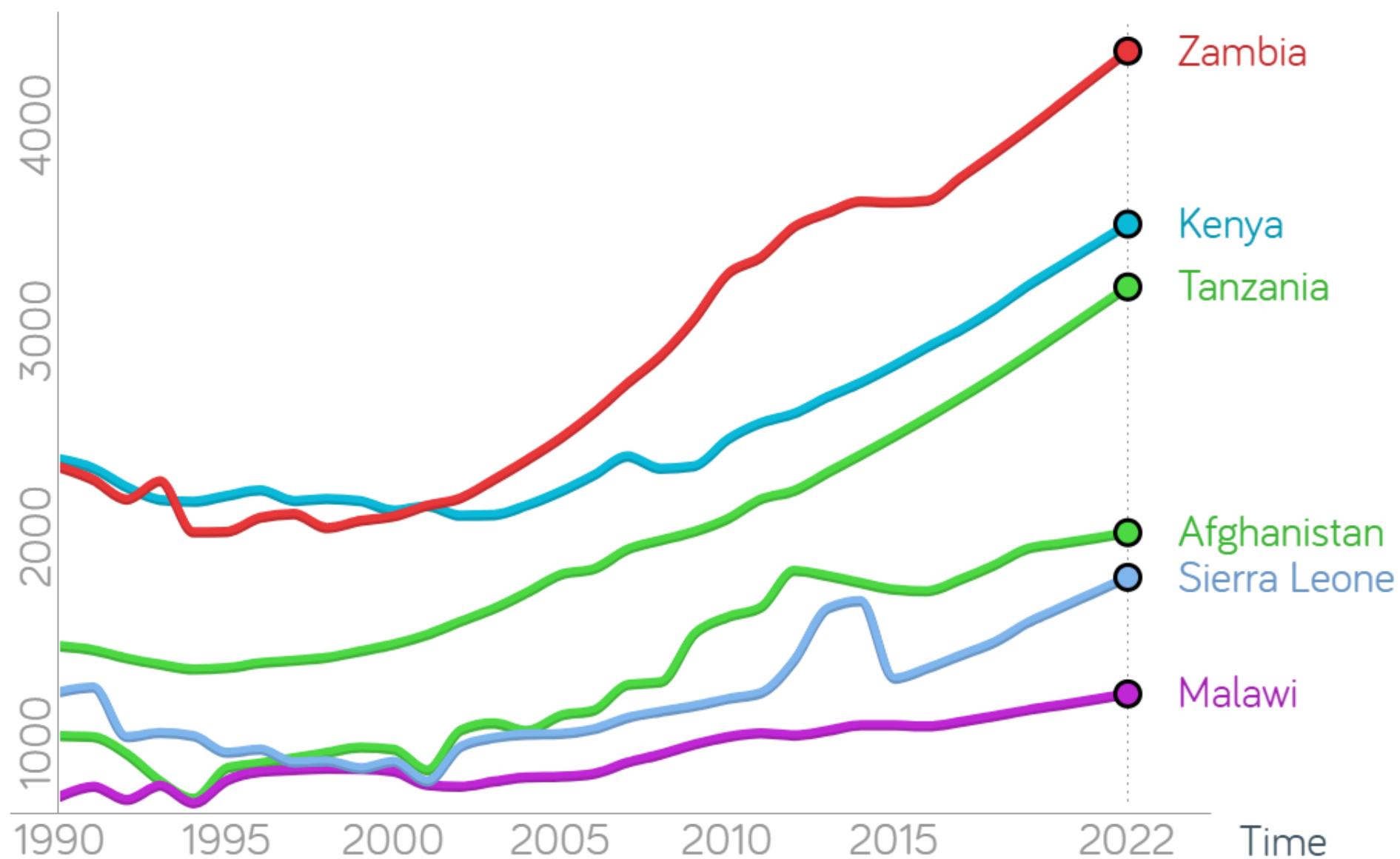
PRESENT



RESTORE

Income per person (GDP/capita, PPP\$ inflation-adjusted) ?

DATA DOUBTS



Color Country

- Afghanistan
- Kenya
- Malawi
- Sierra Leone

Show sierra leone

Country

- ☒ Zambia
- ☒ Tanzania
- ☒ Sierra Leone
- ☒ Malawi
- ☒ Kenya
- ☒ Afghanistan

- ☐ Albania
- ☐ Algeria
- ☐ Andorra
- ☐ Angola
- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Armenia
- ☐ Australia

RESET

APPLY



OPTIONS



PRESENT




RESTORE

Food security

- Malawi's population is chronically food insecure
- Major reasons include:
 - Growing population in Malawi increasing the demand for food
 - Increasing incidence of drought
 - Inability to use existing water sources for agricultural production
 - Declining soil fertility and reduction in the size of average farm holdings;
 - Inappropriate and outdated agricultural technologies
 - in an average year 60% of households run out of food produced from their own farms three months before the next harvest

WHO Ten Threats to Global Health in 2019

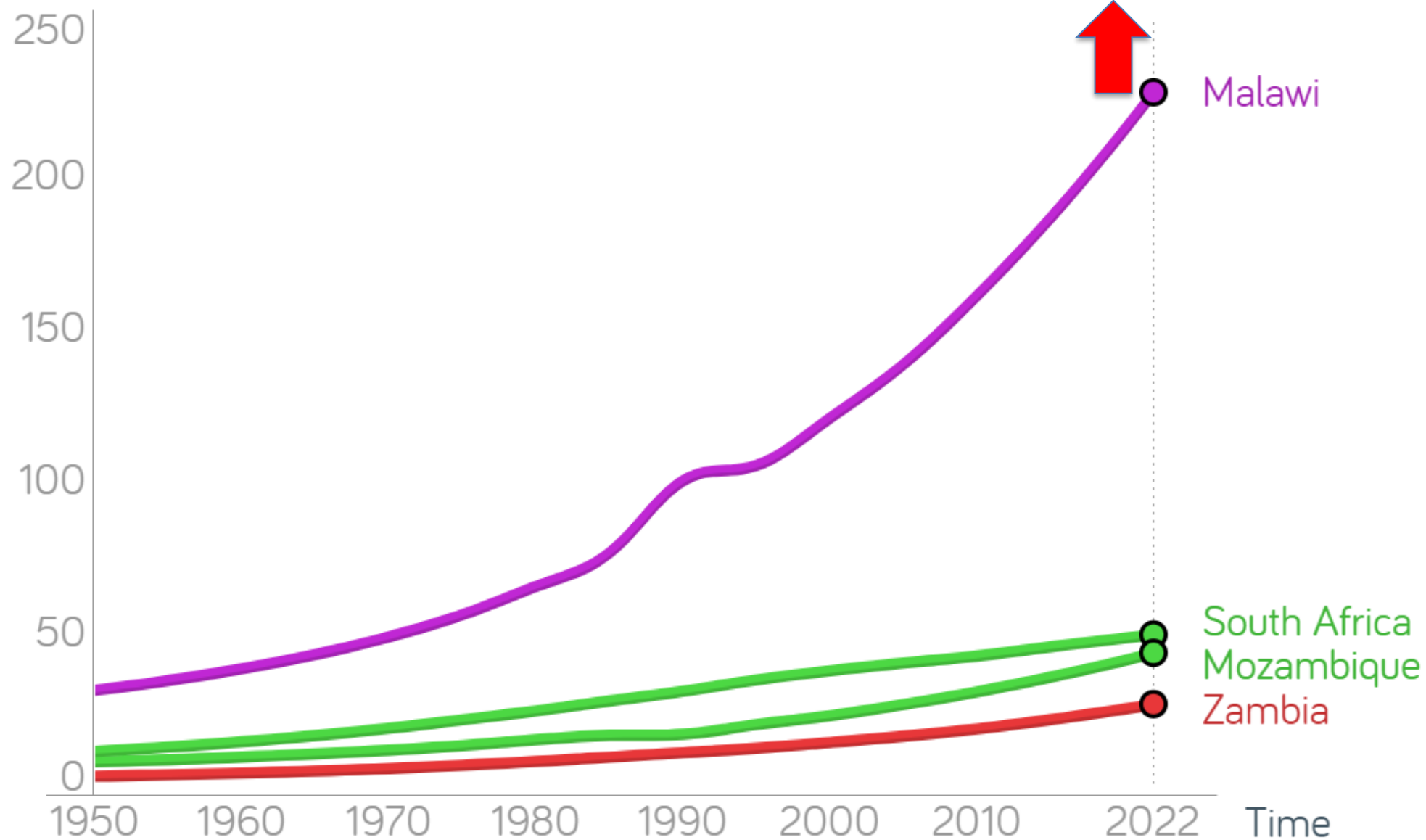
- 
- ★ • HIV
 - ★ • Dengue
 - ★ • Vaccine hesitancy
 - ★ • Weak primary health care
 - ★ • Ebola and other high-threat pathogens
 - ★ • Antimicrobial resistance
 - ★ • Fragile and vulnerable settings
 - ★ • Global influenza pandemic
 - ★ • Non-communicable disease
 - ★ • Air pollution and climate change



Population
growth 3%/yr

HIV prevalence: 10%

Population density (per square km) ?



Malawi population
41.2 m by 2050

Malawi

South Africa
Mozambique
Zambia

Color Country

- Mozambique
- Malawi
- South Africa
- Zambia

Show sierra leone

Country

- ☒ Zambia
- ☒ South Africa
- ☒ Mozambique
- ☒ Malawi

- ☐ Afghanistan
- ☐ Albania
- ☐ Algeria
- ☐ Andorra
- ☐ Angola
- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Armenia
- ☐ Australia
- ☐ Austria

RESET

APPLY



OPTIONS



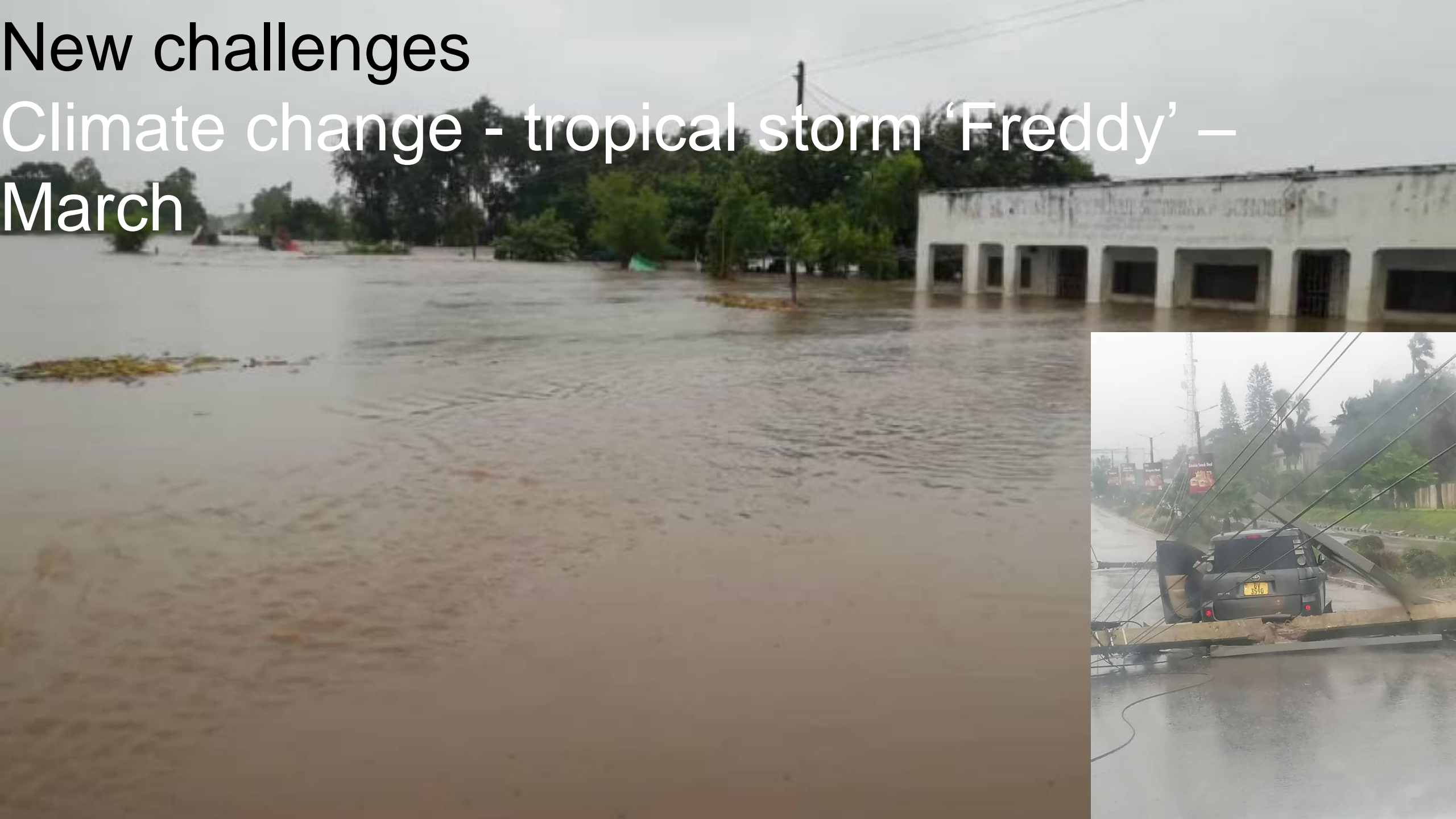
PRESENT



RESTORE

New challenges

Climate change - tropical storm 'Freddy' – March







Devaluations – economic shocks

Donor-dependent Malawi devalues kwacha by 25% as forex runs low

Reuters



Malawi kwacha: 44% drop in value
https://www.bbc.com/news/world-africa-67367983

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BLANTYRE, May 27 (Reuters) – Malawi devalued its kwacha currency

bank governor said, announcing a 25% drop in value against the US dollar, determined foreign exchange reserves and dwindling foreign currency reserves.

Malawi kwacha: 44% drop in value against US dollar sparks unease

9 November 2023



MMH from the sky



MULANJE MISSION HOSPITAL

LABORATORY

HIV TESTING &
COUNSELING

PHARMACY

MCH CLINIC

- ANTENATAL CLINIC
- UNDER FIVE CLINIC
- FAMILY PLANNING
- PMTCT

REHABILITATION
EYE CLINIC
DENTAL CLINIC

INPATIENT WARDS

OPD 1:

- GENERAL CONSULTATION
- ORTHOPEDIC SERVICES

RADIOLOGY

HIGH DEPENDENCY UNIT
PRIMARY HEALTH CARE

ADMINISTRATION

OPD 2 :

- PRIVATE CONSULTATION
- ART CLINIC
- PALLIATIVE CARE
- NCD CLINIC

MATERNITY

CAR PARK

In-patients

- **Maternity care**
 - Deliveries: 3.000 /yr
 - C-sections: 600/yr
 - Nursery
-
- **High rate of teenage pregnancies: 27%**
 - Admissions: 8.000/yr
 - Out-patient visits: 32.000/yr





Eye services – since 2023



HIV care and chronic disease management

7000 patients on HIV-treatment

Asthma, diabetes, hypertension
and epilepsy clinic

All this care is free to the patient



Palliative care programme

Around 200 patients

Diagnosis	%
Stroke	5%
Cancers	77%
Other	18%

Free care

Homevisits



Some of our patients – rehabilitation service



Orphan & vulnerable child care

- Provide support to most needy children
- Currently 499 in care
- Provision of basic minimum:
 - Food support, soap
 - Free healthcare, monthly health checks
 - School uniform, stationary, shoes and backpack
 - School fees
- Goat pass-on programme

Teenage pregnancy prevention



Recent projects

- Solar / electricity system
- Eye Clinic and Rehabilitation departments developed
- Ward renovations, including private sections
- Staffhouse renovation and construction (3)
- 2 irrigation schemes rehabilitated, 2 new developed (10 ha each)
- Improved cookstove pilot
- More attention for persons with disabilities

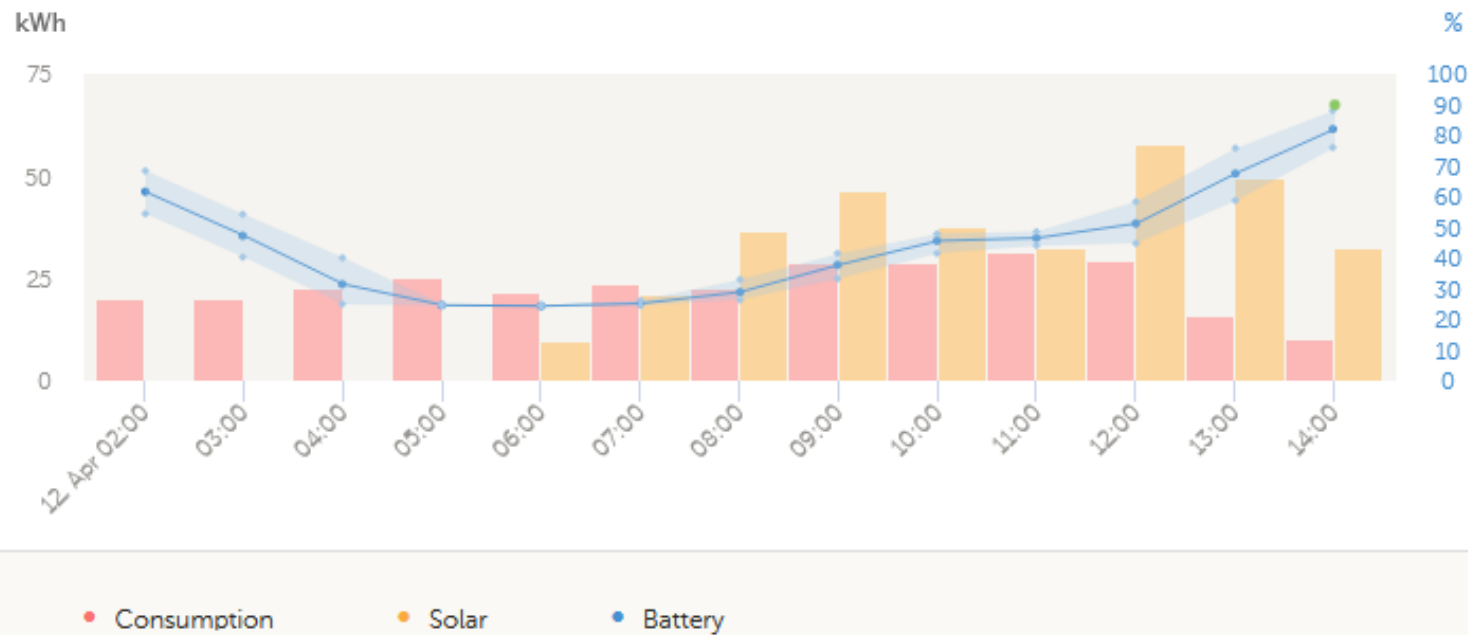


No blackouts, lower costs

Historical data ⓘ

System overview

Last 12 hours



← To Grid

19 kWh

→ From Grid

55 kWh

☀ Solar

325 kWh

🔌 Generator

0.0 kWh

👤 Consumption

301 kWh



New childrens' high dependency unit & ward renovation



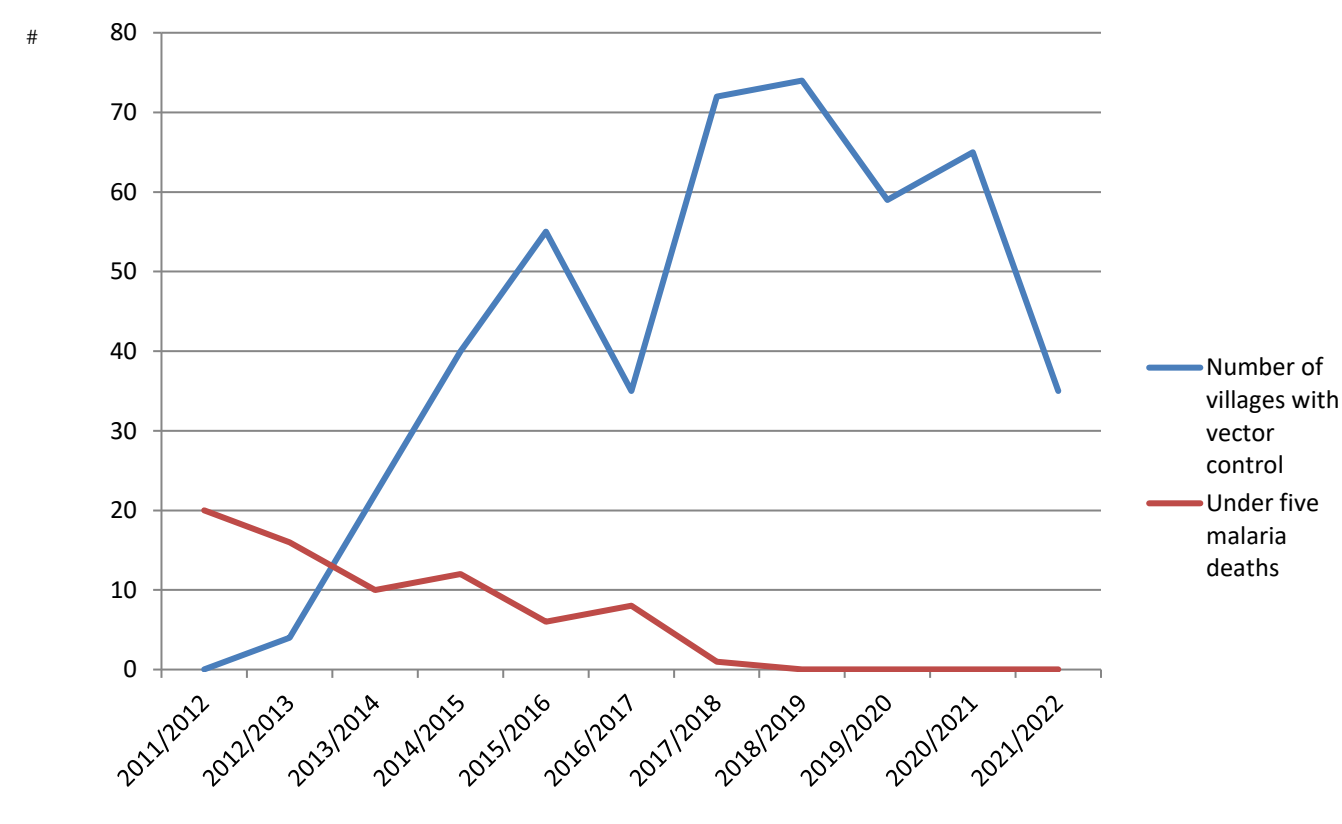
Malaria control

Year	No. villages IRS only	No. of villages LSM only	No. of villages LSM&IRS	Total no. of villages with vector control	% of villages with vector control	Total population protected	Total no of <5 yrs deaths
2011/12	0	0	0	0	0	0	20
2012/13	4	0	0	4	5.4	5,246	16
2013/14	22	0	0	22	30	16,136	10
2014/15	40	0	0	40	56	37,985	12
2015/16	55	0	0	55	76	47,121	6
2016/17	35	0	0	35	49	29,986	8
2017/18	46	20	6	72	97	82,702	1
2018/19	32	32	10	74	100	85,000	0
2019/20	46	3	7	59	80	72,500	0
2020/21	48	13	4	65	90	79,872	0
2021/22	20	3	3	26	36	31,948	0
2022/23	13	0	0	13	18	18,000	1*

% of persons with positive malaria test, Mwamadi village

Year	malaria positive%
2013	53
2014	38.8
2015	20
2018	16
2019	9.5
2020	8
2021	5
2022	2

No of deaths due to malaria over 10 years, MMH catchment area



Staff training and protocol development



MULANJE MISSION HOSPITAL

Name: _____ Sex: M/F
Age: _____
Address: _____ T/A: _____
HIV Exposed: Y / N / U
HIV Serostatus: R/NR/U HTC result: R/NR Date: _____

Admission diagnosis: _____
Time: _____
Date: _____

History

Past medical history: _____

Drug history: _____

Current medication and duration: _____

General: _____

Examination

Airway/Breathing

Airway: Own/Guedel/ETT/
Respiratory support: _____
Temperature: _____
O₂ sat: _____ RR: _____

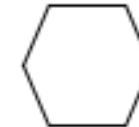


Circulation

PR: _____ Rhythm: _____ BP: _____
Capillary refill time: _____
IV access: _____ Drop rate if drip: _____

GI:

Nutrition type: _____
NGT: Y/N
Stools: _____



Orders:

1. Medication: _____

2. Fluids: _____

PAEDS HDU ADMISSION SHEET BED NO: _____

Nurse: _____
Clinician: _____
Allergies / Contraindications: _____

Weight: _____ Length: _____
MUAC: _____ WtH Z-score: _____
Oedema: _____ Assessment: _____

GI: _____

Neuro: _____

Urogen: _____

Resp: _____

Disability

BCS: _____
Pupils: _____
RBS: _____ time: _____
Analgesia: _____

Renal

24hr fluid balance: _____
Urine output: _____ ml/hr

Laboratory results:

--

3: Feeds _____

4. Monitoring: _____

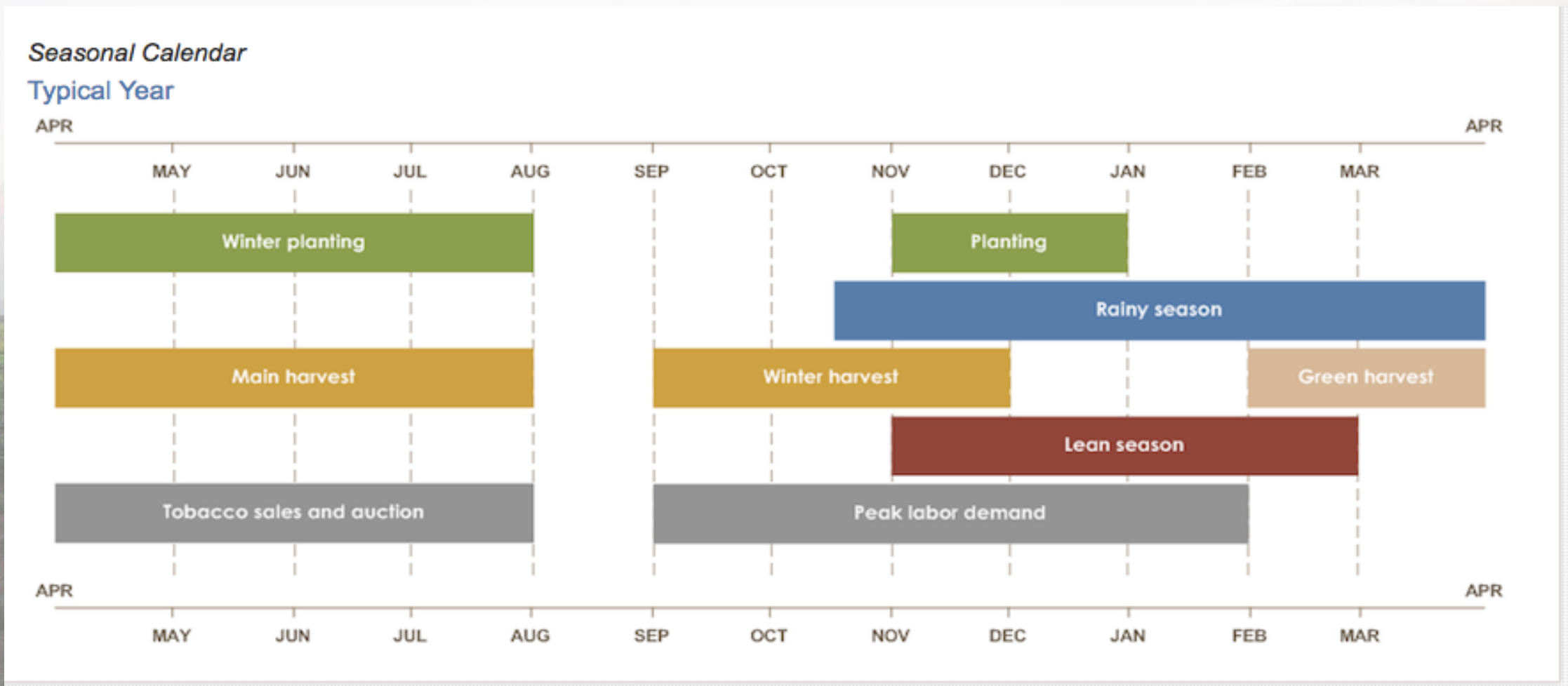
Sustainable Livelihoods Programme

Broad approach to improve basis for health and foodsecurity

- improved farming techniques and diversification
- soil and water protection
- economic growth



The agriculture year in Malawi



Sustainable Livelihoods programme

(solar) irrigation schemes

School agriculture programme

Lead- and follower farmer programme



Improved cookstoves
Honey production
Paravet programme



Treeplanting
Riverbank protection



Cookstoves: GPS database

CCM Mabuka district

473 weergaven

Gepubliceerd op 4 januari

DELEN

GPS Mamela

0

1

GPS Kang'oma

0

1

GPS Misanjo

0

1

GPS Sembezi

Deze kaart is gemaakt door een gebruiker. [Meer informatie over hoe je je eigen kaart kunt maken.](#)

Sakhama masjid

anjo CDS

Milonde Primary School
Tijdelijk gesloten

E.A School
Tijdelijk gesloten

Supuni Roman Catholic Church

MALAWI

MOÇAMBIQUE

MALAWI

MOÇAMBIQUE

MALAWI

Google MyMaps

Kaartgegevens ©2023 Afbeeldingen ©2023 , Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies Voorwaarden 1 km

Sneltoetsen

Irrigation

Irrigation scheme	Year	Number of farmers			Total area developed (ha)
		M	F	Total	
Bololo	2017	19	46	65	11.0
Mwamadi	2018	16	40	56	10.0
Wasi	2020	22	38	60	10.5
Mwanamvula	2021	16	32	48	9,5
Sikoya	2022	21	40	61	9.5
Total				290	50,5



Reforestation of riverbanks





Beekeeping

- 350 beekeepers
- Sales via Thandizani Resource Centre or directly
- Opportunities for marketing candles, polish from wax



Zikomo kwambiri !



See you on www.mmh.mw and follow the latest !

Mulanje Mission Hospital

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Easter Newsletter

...

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Emergency appeal – COVID-19 response

It is all but certain that Malawi will be hit by the COVID-19 epidemic very ...

[Read More](#)

How To Support MMH

Donations

Sponsor A Bed At MMH



Bluegrass benefit concert in Amsterdam!

Update 16-03-2020: this concert has been postponed to reduce the risk of transmission of corona ...

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