



ESPEN Microplanner



World Health
Organization

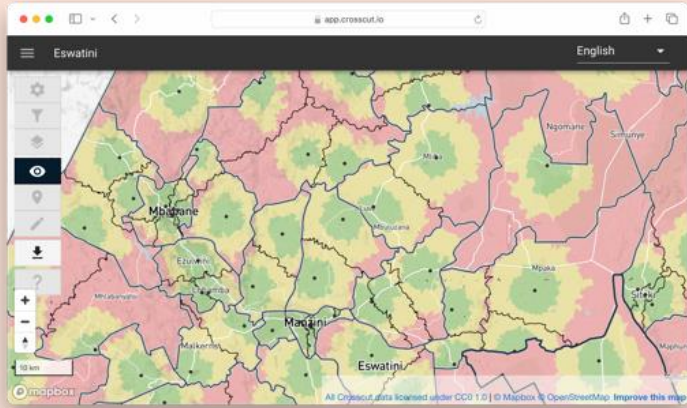
African Region



EXPANDED SPECIAL PROJECT
FOR ELIMINATION OF
NEGLECTED TROPICAL DISEASES

The ESPEN team is making the ESPEN Microplanner available to all AFRO region countries over the course of 2025

Use ESPEN Microplanner to generate Supervisory Area Maps



Features

Create and analyze catchment areas

- Easily create modeled sub-IU supervisory area boundaries; Manually edit them as needed
- Visualize travel time and population heatmaps
- Identify hard-to-reach settlements

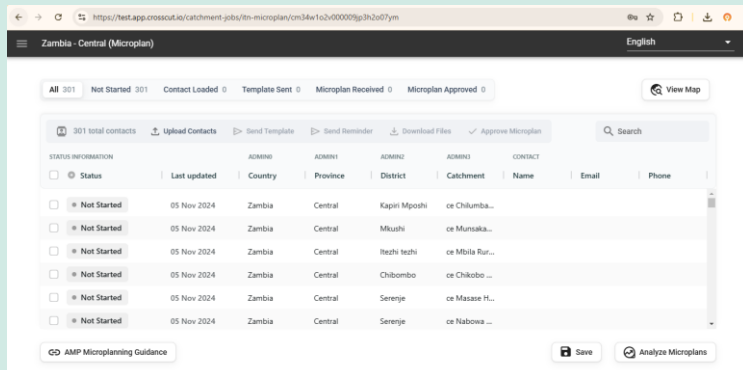
Integrate and Share

- Integrate with DHIS2, Google Earth, ESPEN Collect, ESPEN Portal
- Print beautiful maps for use at lower levels
- Download boundary geojson and load in PowerBI and other systems for better dashboards

Key Points

- Easy-to-use
- High-fidelity catchment area modeling runs in seconds/minutes
- Produce batches of maps for printing with one click
- DHIS2 app-of-the-year finalist
- Continuously updated as new map data is released
- Creates more granular sampling frames for future impact assessments

Use ESPEN Microplanner to disseminate, collect, and analyze microplans



Features

Send, Receive, and Analyze Microplans

- Stay organized during the microplanning process with all spreadsheets managed from a single location
- Track status of microplanning across all IUs
- Access sample WHO NTD templates

Compare population estimates

- See the latest population and building estimates from all available public sources
- Benchmark your collected microplan estimates to see how they compare and analyze outliers

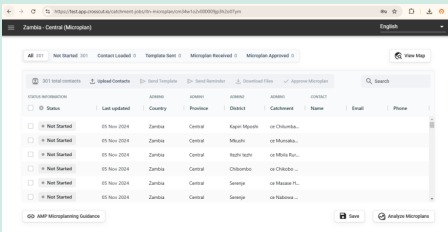
Key Points




- Easy-to-scale: staff able to continue using Excel and email while moving towards greater digitization
- Reduces time required for microplanning through automated status tracking and targeted follow-ups
- Reduces file management errors, communication lapses, aggregation errors, formula errors through digitized microplanning process management

Send, Receive, and Analyze Microplans

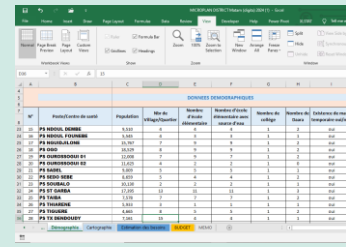




ESPEN Microplanner used to manage collection of Excel microplan templates



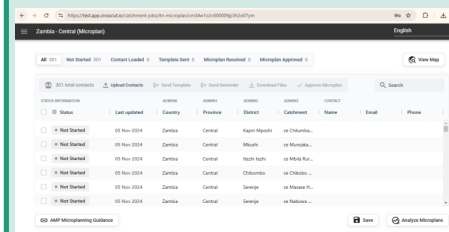
 
 **ESPEN M.P.**




SA supervisors receive, complete, and return Excel microplan templates using ESPEN Microplanner




 **Excel**

Microplans aggregated and validated using ESPEN Microplanner



 
 **ESPEN M.P.**

Stay organized during the microplanning process with all spreadsheets managed from a single location

Track status of microplanning across all IUs

All 117

Not Started 19

Contact Loaded 0

Template Sent 87

Microplan Received 11

Microplan Approved 0

View Map

117 total contacts

Upload Contacts

Send Template

Send Reminder

Download Files

Approve Microplan

Search

STATUS INFORMATION

Status

Microplan Received

Template Sent

Microplan Received

Template Sent

Template Sent

Template Sent

Not Started

Not Started

Template Sent

Template Sent

Template Sent

Template Sent

Template Sent

ADMIN0

ADMIN1

ADMIN2

CONTACT

	Status	Last updated	Country	Province	District	Name	Email	Phone
	Microplan Received	27 Feb 2025	Zambia	North-West...	Zambezi	Thomas Martinez	thomas75@mail.com	(476)211-7629
	Template Sent	23 Mar 2025	Zambia	Central	Mumbwa	Heather Castaneda	heather.castaneda50@example.com	(816)798-1723x263
	Microplan Received	17 Jul 2025	Zambia	North-West...	Kabompo	Katie Alvarez	katiealvarez@mail.com	+1-256-880-9030x45925
	Template Sent	26 Mar 2025	Zambia	North-West...	Chavuma	Mark Fowler	mark43@mail.com	5351714358
	Template Sent	12 Aug 2025	Zambia	North-West...	Mufumbwe	Jose Boyd	jose8@mail.com	(292)694-2741x3318
	Template Sent	30 Dec 2025	Zambia	Southern	Namwala	Danielle Ramos	danielleramos@mail.com	+1-536-723-9121x1251
	Not Started	17 Jan 2025	Zambia	Southern	Sinazongwe			
	Not Started	17 Jan 2025	Zambia	Southern	Choma			
	Template Sent	29 Jun 2025	Zambia	North-West...	Manyinga	James Lee	james.lee@example.com	848.398.2181x361
	Template Sent	04 Jul 2025	Zambia	Southern	Pemba	April Bradley	april.bradley7@example.com	+1-723-708-8594
	Template Sent	22 Nov 2025	Zambia	Southern	Monze	Christina Bell	christina.bell63@example.com	145.315.4800x1908
	Template Sent	26 Mar 2025	Zambia	North-West...	Kasempa	Kathryn Franco	kathryn36@mail.com	+1-446-216-4466
	Template Sent	03 Jun 2025	Zambia	Southern	Gwembe	Gary Dorsey	gary.dorsey@example.com	001-090-477-5550

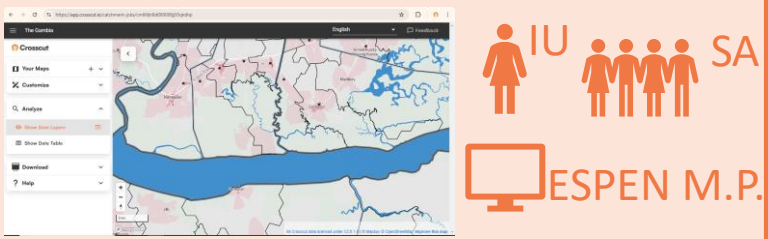
GO AMP Microplanning Guidance

Save

Analyze Microplans

Create and analyze catchment areas

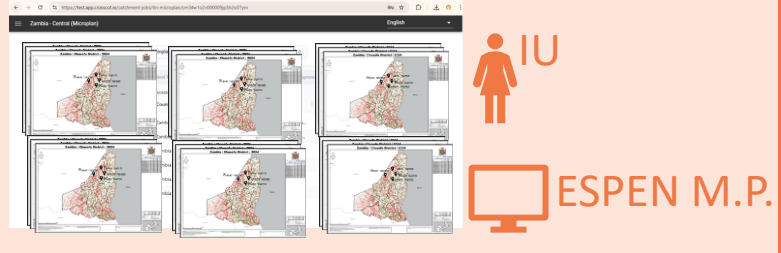
Supervisory Area (SA) boundaries delineated using ESPEN Microplanner



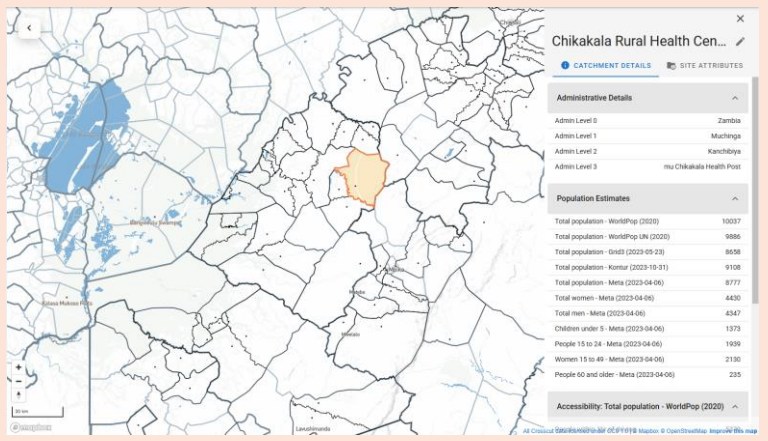
SA supervisors enrich maps generated by ESPEN Microplanner to prepare SA operational maps



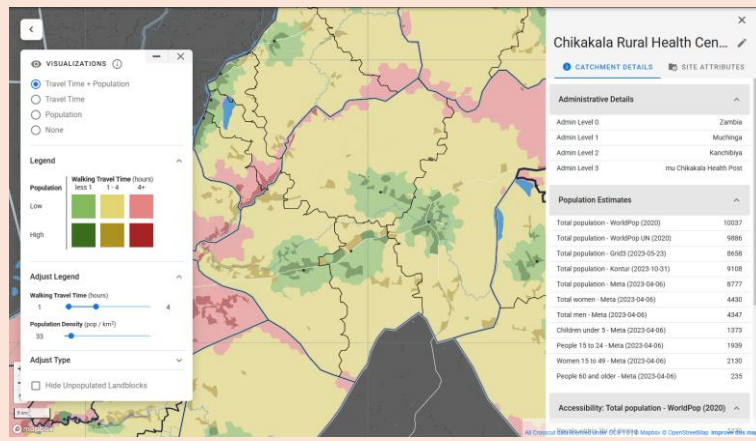
SA operational maps validated and retained in ESPEN Microplanner to support future MDAs



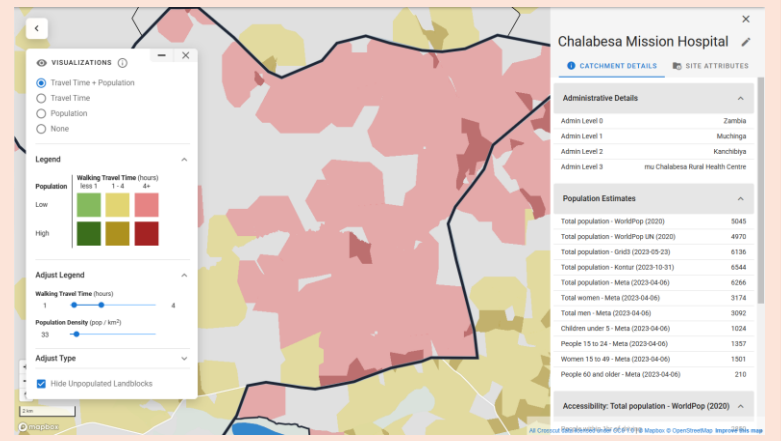
Easily create modeled sub-IU supervisory area boundaries



Visualize travel time and population heatmaps

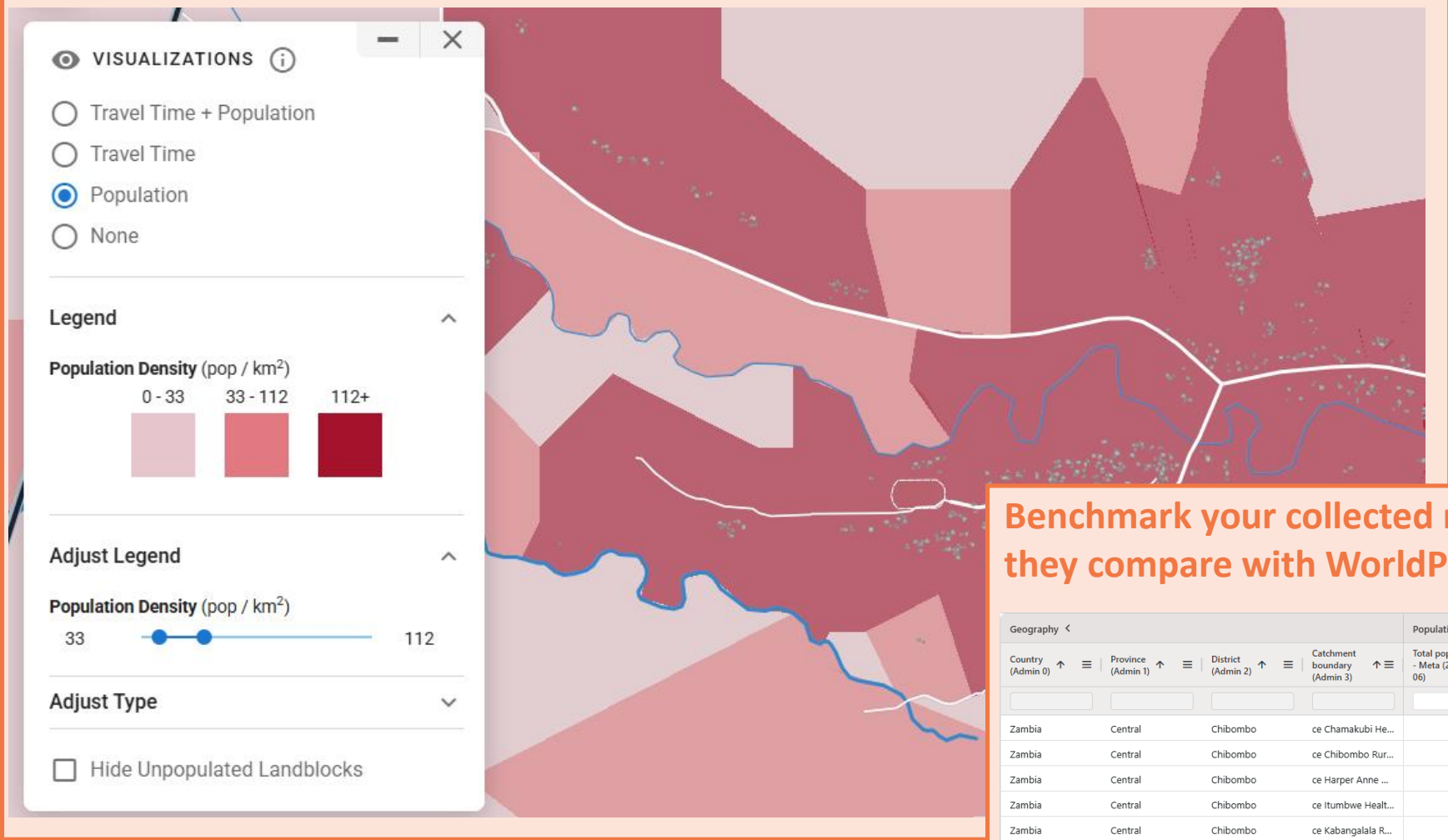


Identify hard-to-reach settlements



Understand Populations

See the latest population and building estimates from all available public sources



Benchmark your collected microplan estimates to see how they compare with WorldPop, Grid3, Meta, and others

Geography <				Population Estimate <					
Country (Admin 0)	Province (Admin 1)	District (Admin 2)	Catchment boundary (Admin 3)	Total population - Meta (2023-04-06)	Total population - WorldPop (2020)	Total population - WorldPop UN (2020)	Total population - Grid3 (2023-05-23)	Total population - Kontur (2023-10-31)	Total women - Meta (2023-04-06)
Zambia	Central	Chibombo	ce Chamakubi He...	9954	10750	10519	15563	9616	4977
Zambia	Central	Chibombo	ce Chibombo Rur...	31150	23848	23328	30660	33160	15602
Zambia	Central	Chibombo	ce Harper Anne ...	3045	5779	5693	7630	3658	1522
Zambia	Central	Chibombo	ce Itumbwe Healt...	4021	6727	6519	11669	3759	2018
Zambia	Central	Chibombo	ce Kabangalala R...	3259	5245	5180	8658	3131	1630
Zambia	Central	Chibombo	ce Keembe Rural ...	4387	5103	4996	8141	5185	2193

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The screenshot shows the DHIS 2 Demo - Sierra Leone - Maps interface. The map displays ANC 3 Coverage for the last 12 months, color-coded by risk level. The legend indicates the following categories and counts:

- Low 0 - 30 (66)
- Medium 30 - 50 (122)
- Medium Pl. 50 - 70 (148)
- High 70 - 80 (65)
- High Plus 80 - 90 (33)
- Great 90 - 120 (45)
- Invalid 120 - 990 (34)

The map shows a high concentration of high-risk areas (red and orange) in the northern and central regions. The interface includes a sidebar with map controls, a top navigation bar, and a bottom status bar.

[illegible]



THANK YOU
MERCI BEAUCOUP
OBRIGADO



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