ESPEN
Microplanner

World Health Organization
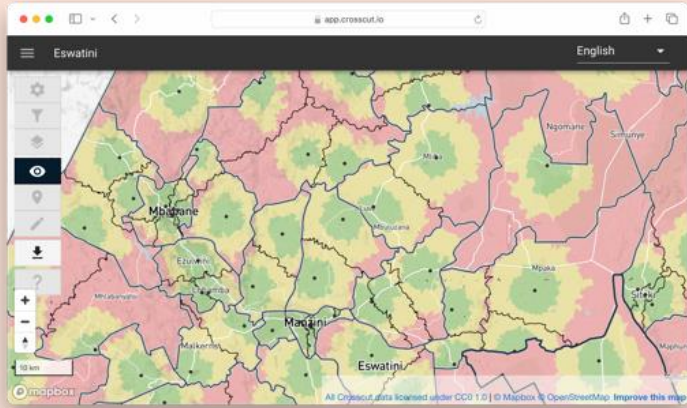
African Region

ESPEN

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
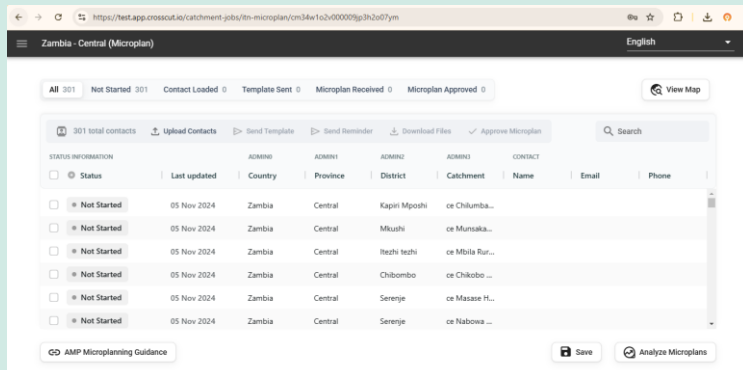- Identify hard-to-reach settlements

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
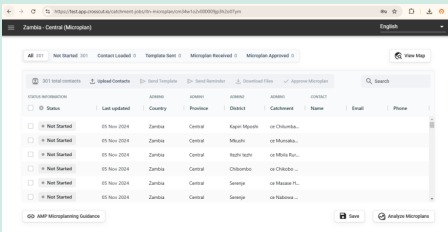- Benchmark your collected microplan estimates to see how they compare and analyze outliers

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
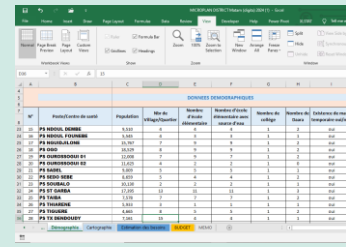
Send, Receive, and Analyze Microplans

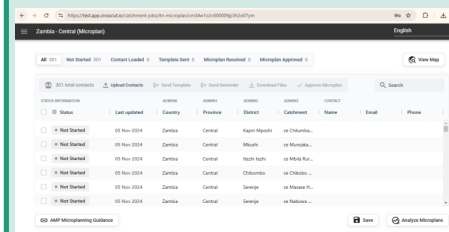**ESPEN Microplanner used to manage collection of Excel microplan templates**

National IU
ESPEN M.P.

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

SA
Excel

Microplans aggregated and validated using ESPEN Microplanner

National IU
ESPEN M.P.

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

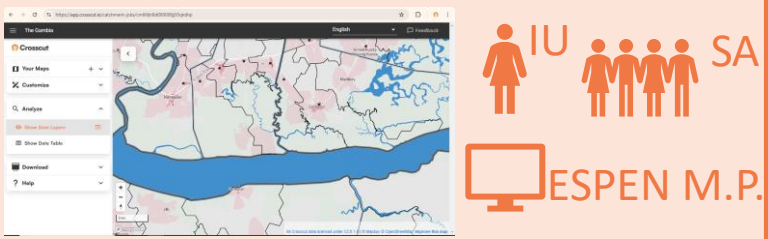Track status of microplanning across all IUs

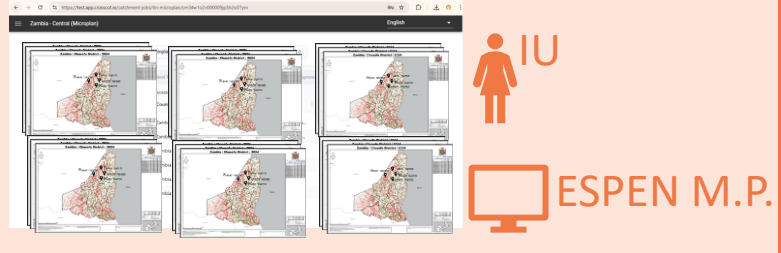# Create and analyze catchment areas

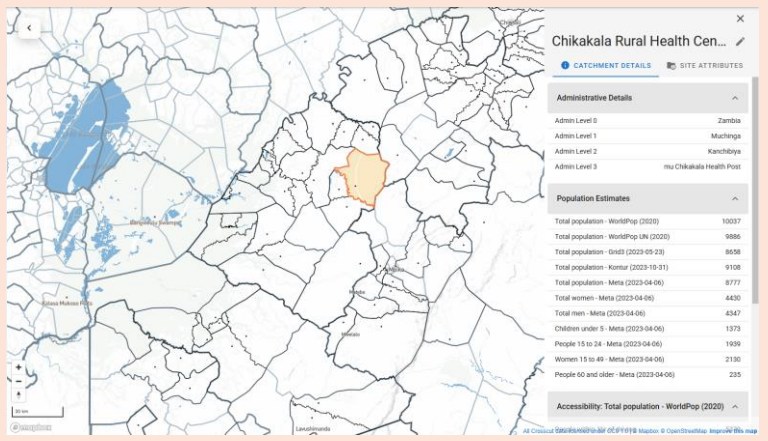**Supervisory Area (SA) boundaries delineated using ESPEN Microplanner**

IU SA

ESPEN M.P.

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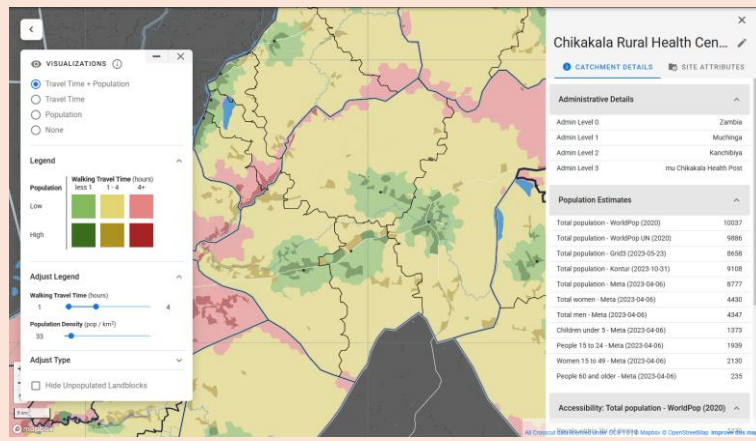
SA

Printed maps

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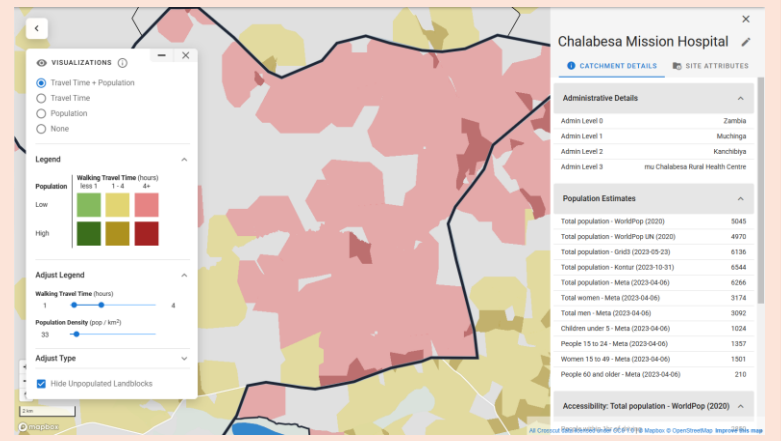
IU

ESPEN M.P.

Easily create modeled sub-IU supervisory area boundaries

Visualize travel time and population heatmaps

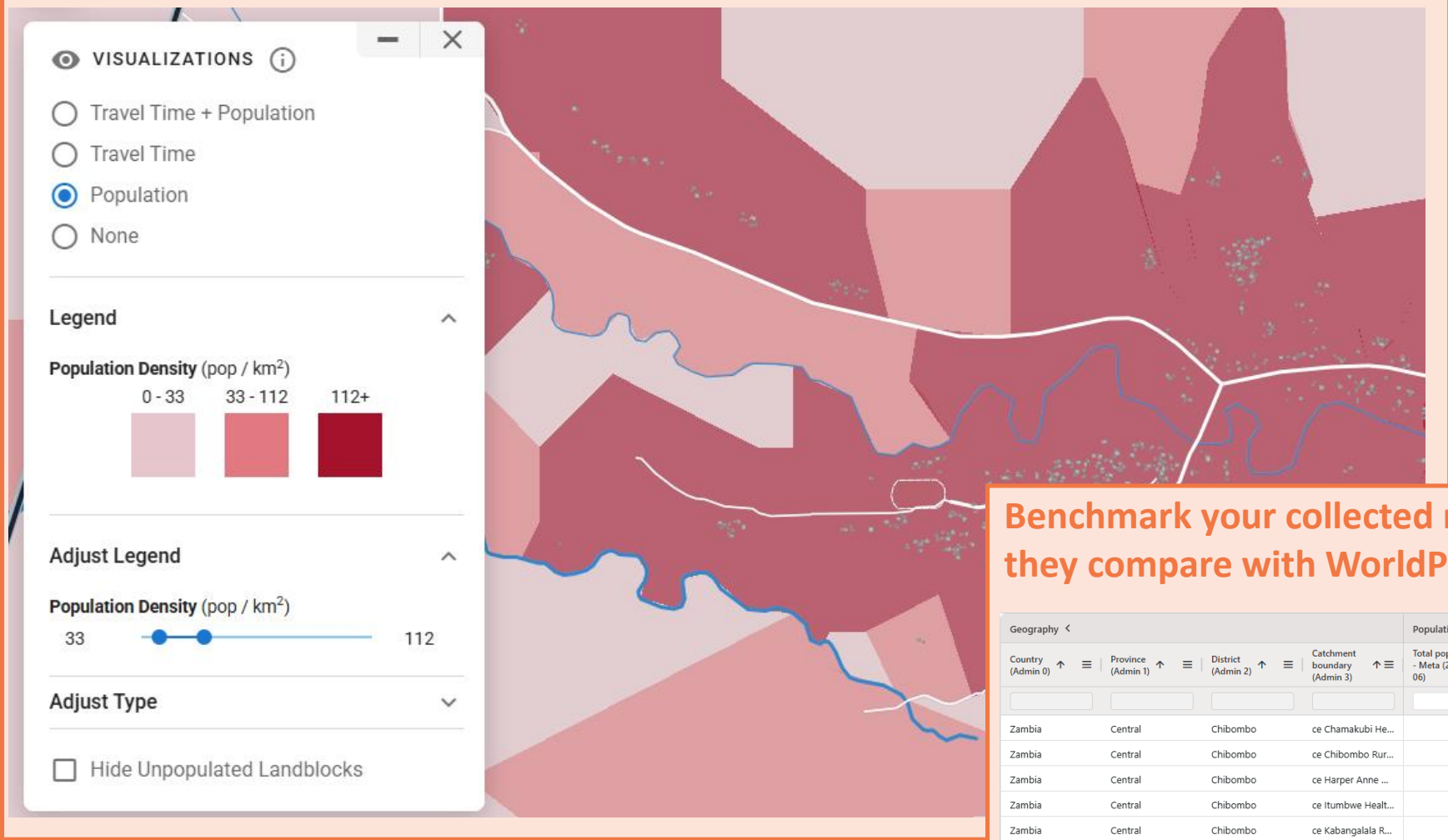**Identify hard-to-reach settlements**

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

Integrate and share

Integration with DHIS2, Google Earth, ESPEN Collect

Print catchment area maps and download digital maps

THANK YOU
MERCI BEAUCOUP
OBRIGADO

World Health Organization
African Region

ESPEN
EXPANDED SPECIAL PROJECT
FOR ELIMINATION OF
NEGLECTED TROPICAL DISEASES