

Geospatial microplanning for malaria prevention



Agenda

- Brief Intro
- Demo
- Use cases
- Integration and Compatibility
- Cost Structure
- Q and A

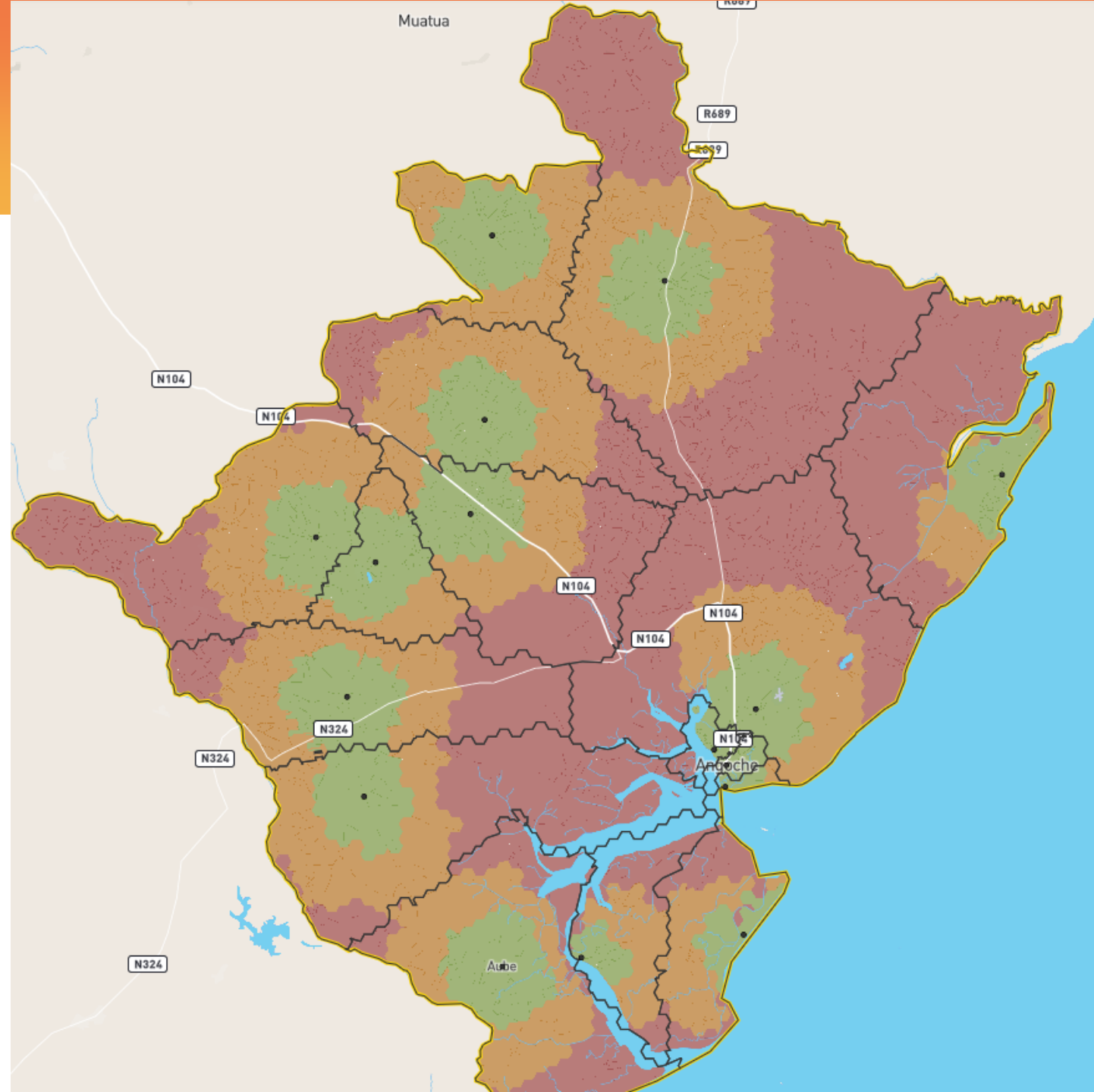
Who we are

Crosscut provides niche expertise in **supply chain management** and related analytics and engineering.

What is micro-planning?

There are a few common elements of microplanning.

- ❑ Estimating target populations
- ❑ Identifying settlements for outreach
- ❑ Creating catchment area maps
- ❑ Analyzing travel time and accessibility of services
- ❑ Estimating supplies and resources needed

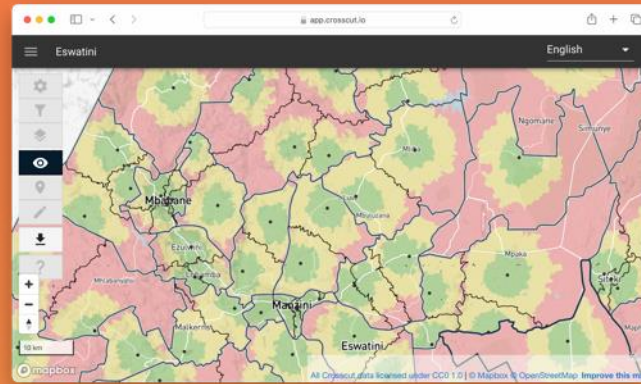




Use the Crosscut App for free to create maps and microplans for malaria campaigns

- ✓ Indoor residual spraying
- ✓ Insecticide-treated net distribution
- ✓ Seasonal chemoprevention

crosscut.io



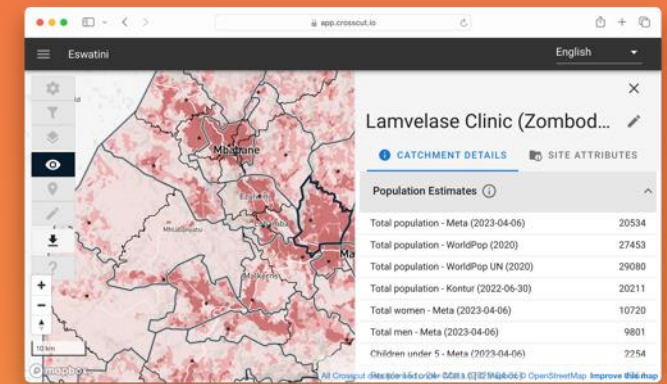
Create & analyze catchment areas

- Visualize travel time and population heatmaps
- Identify hard-to-reach settlements

Structure	Name	OSM Buildings	Google Building Footprints	Google Building Footprints	Average Building Footprints	Population	Population	Number of Sites	Number of Sites
Structures	Percentage of Structures That are Stone	280	1407	639	3497	139.28	187	1	1
	Almond	288	4958	412	2162	108.28	172	2	1
Operations	Almond	175	365	111	565	62.84	94	1	1
	Almond	304	413	80	288	61.71	81	1	1
Performance Standards	Almond	402	404	301	352	71.46	102	1	1
	Almond	341	458	288	2112	75.81	104	1	1
Human Resource	Almond	138	2128	208	1841	119.84	178	1	1
	Almond	173	1719	143	349	67.22	204	1	1

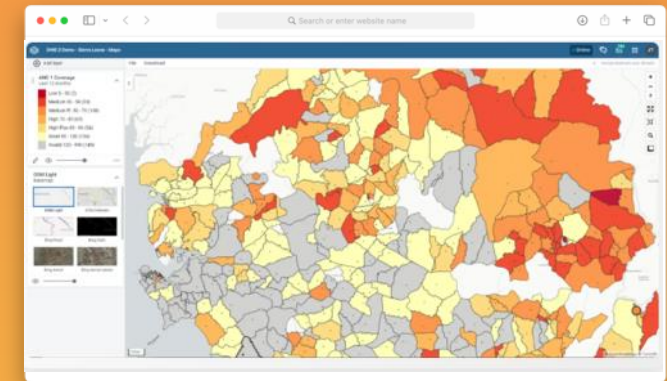
Campaign quantification

- Estimate human resources required
- Calculate treatment and supplies needed
- Each estimate tied to a catchment area



Understand populations

- See the latest population and building estimates from all available public sources
- Load your own population estimates to see how they compare



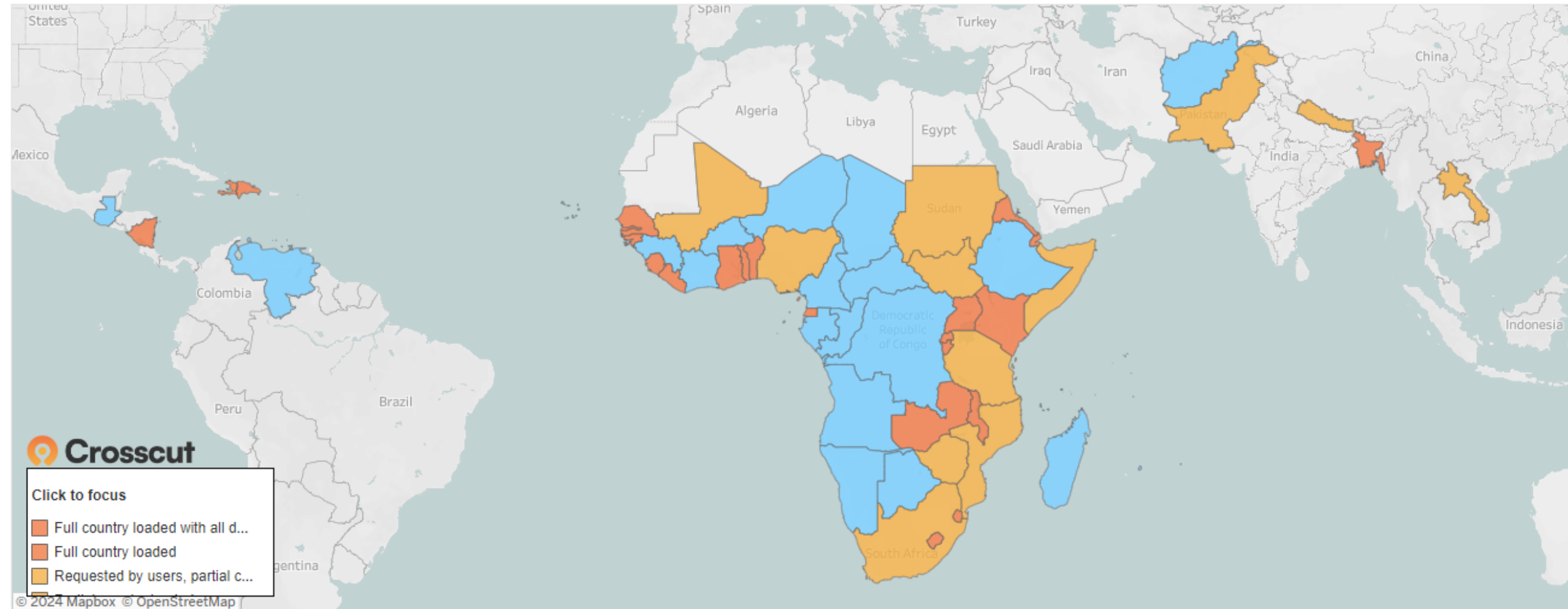
Integrate and Share

- Integration with DHIS2 and Google Earth
- Print catchment area maps and download geojson



Our app is available in three languages and 23 full countries

Countries Available in Crosscut App as of 13 Feb 2024 by [James McKinnon](#)



The image features a background map with various colored regions in shades of green, blue, and orange. A white rectangular box is centered on the map, containing the word "Demo" in a bold, black, sans-serif font.

Demo

Use cases for the Crosscut app

□ Immunization

- Session planning for routine immunization
- Campaign planning for supplemental immunization activities
- Identification of vaccination posts
- Coverage estimation

□ Malaria

- Indoor residual spray campaigns
- Insecticide-treated net distribution
- Seasonal chemoprevention campaigns
- Coverage estimation

□ NTD

- Mass drug administration campaigns
- Coverage estimation

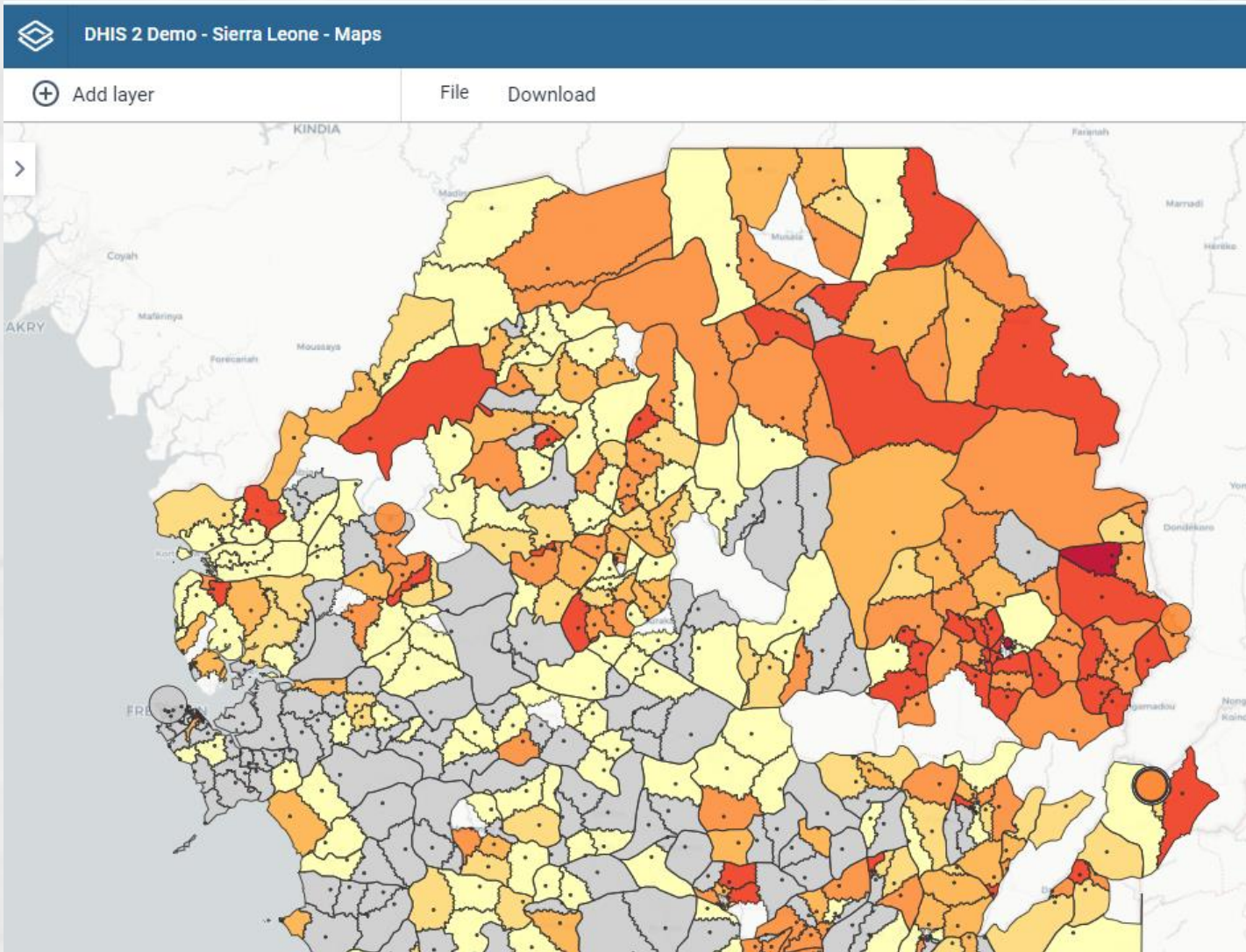
□ Primary Care

- Placement of community health workers
- Identifying outreach posts
- Determining number and location of health services
- Ambulance referral linkages

□ Diagnostics

- Measuring patient accessibility to the lab network
- Sample referral linkages

Crosscut app is available directly in DHIS2 app hub and can be integrated directly in other tech platforms



- Finalist for DHIS2 app-of-the-year, 2022
- MOU with University of Oslo for geospatial mapping
- Data can also be exported and loaded in other platforms or integrated directly into partner systems

Cost Structure

- We offer our app for free to users
- You can create an account in seconds and use without restriction
- We contract with implementing partners to make enhancements to our app, cover maintenance costs, and provide technical expertise in supply chain data analytics

Q and A

Contact Us

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