



Putting informal settlements
on the map through

Digital Addressing

Mike Makwela

www.planact.org.za

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OUTLINE



- Context

- Digital Addresses for informal settlements

- Impact of addresses

- Scaling up

Context

- Population Growth - approximately 62 million people.
- Gauteng: 621 informal settlements had been mapped in 2019.
- Gauteng has the largest population growth rate of 25%.
- Challenges in informal settlements e.g lack of address
- The need for policy review.

(Stats Census , 2022)

30 OCTOBER 2023 Mail & Guardian..Gauteng province

Digital Addressing in informal settlements



What is Plus Code Addressing ?

- Using Geographic Information Systems (GIS) to create plus-codes with the latitude and longitude combination, displayed as numbers and letters
- Planact's pilot projects were community-led and involved public participation.

DIGITAL ADDRESSING

Project Flow Chart

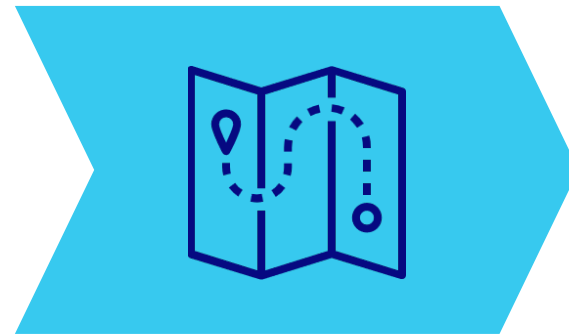
1 - Site
Identification



2 - Community
Mobilisation



3 - Settlement
spatial mapping



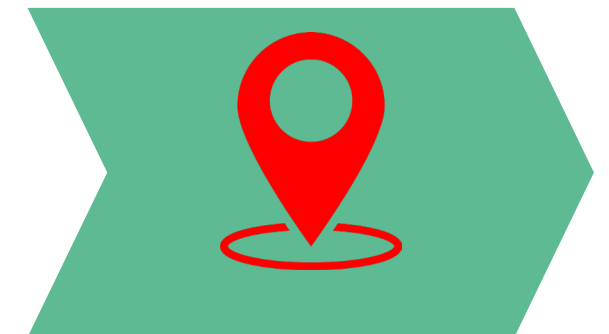
4 - Address
Maker App
Training



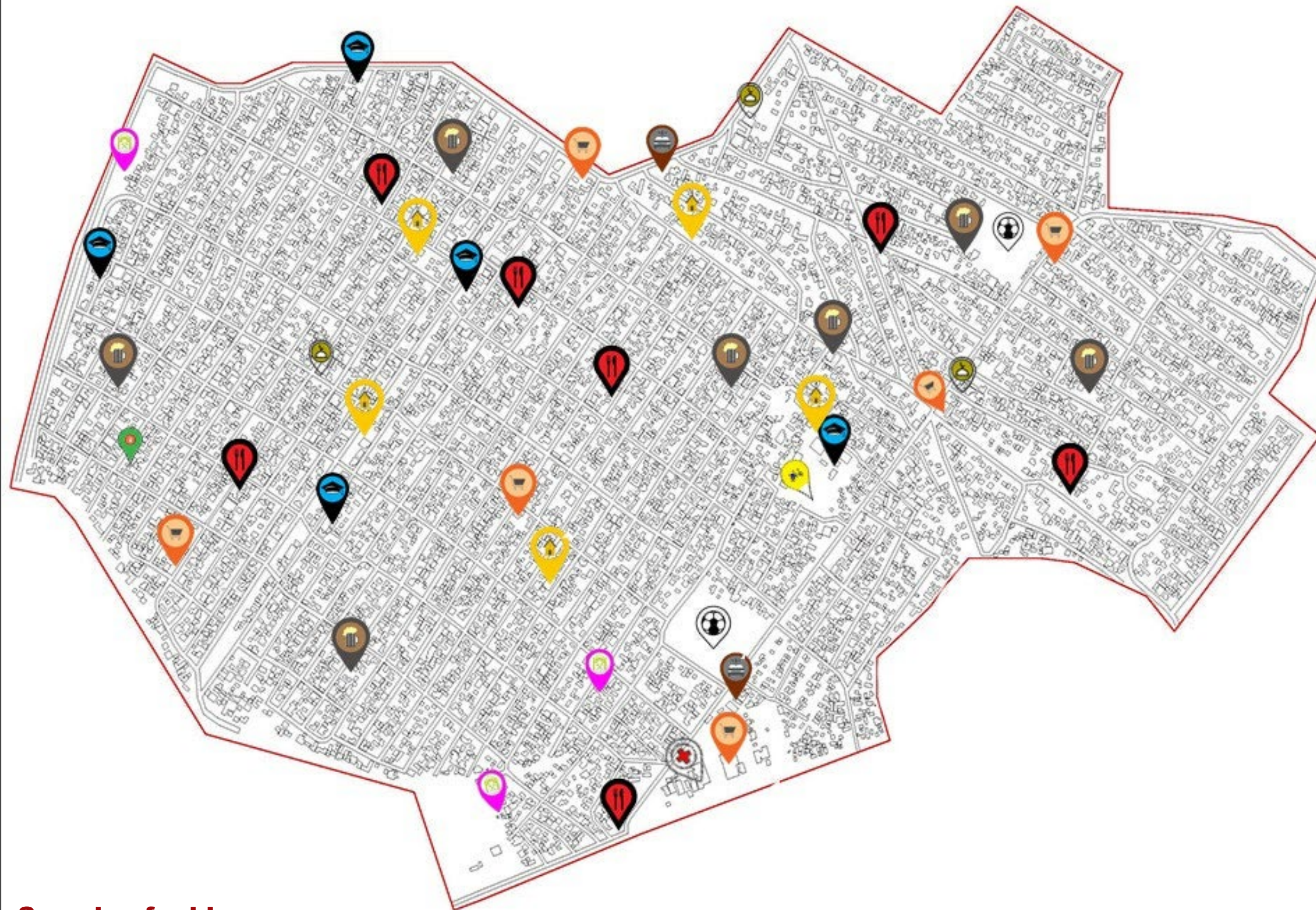
5 - Digital
Addressing -
fieldwork



6. Digital
Address Board
Fix



Thembelihle Informal Settlement Layout



Legend

-  Clinic MV58+QGM
-  Soccer Field
-  Mosque
-  GBV office (Green Door)
-  Community Develop. Centre (SA Block)
-  Auto-spares
-  Creches (ECD)
-  Car Wash
-  Churches
-  Major Tuck shops
-  Major Tarvens
-  Popular Fastfood & Shisanyama
-  Settlement Boundary

Sample of addresses

MV85+MG5 [Thwala Auto spares]
 MV68+3JJ [Mdu Auto Spares]
 MV68+5V2 [Qhakaqhaka Car Wash]
 MV75+HRX [Greed Door]
 MV96+5VG [Sunshine ECD]
 MV77+V64 [Sunrise ECD]

MV88+VXW [Mosque Ihyaa-Deen]
 MV7C+Q8X [Mosque]
 MV85+HQ6 [Come Duze General Dealer]
 MV77+4Q5 [Gumbi Tuck Shop]
 MV7C+H53 [Supermarket]
 MV75+PHR [White House]

MV76+2FJ [Pastor Thabo]
 MV76+6J2 [Saint Johns]
 MV76+GVJ [ZCC]
 MV77+5W9 [Glorious Destiny Church]
 MV87+96X [SUNHINE CHURCH]
 MV86+XX3 [Christian Church]
 MV86+WWR [Saint John]

MV69+8M6 [Suzan Tavern]
 MV66+6RG [SIBAYA TAVERN]
 MV79+4J5 [Siphiwe Fast Foods]
 MV79+8VC [Mc Fast Foods]
 MV7C+H3F [Promise Chicken Dust]
 MV7C+M45 [Chicken Dust]
 MV58+H8W [Emakhizeni Shisa Nyama]



BENEFITS OF A PLUS CODE DIGITAL ADDRESS

I can be located!



BENEFITS OF PLUS CODE DIGITAL ADDRESSES

Improved Fault Reporting on Municipal Services



Improved Access to Basic Services



Digital addressing in informal settlements opens an opportunity for policy review.



Improved economic opportunities for informal settlements



Opportunity for better management of growth of informal settlements



Recommendations

- Scale up the Project
 - Job creation
 - Skills development
 - Resource mobilisation
- Collaboration and partnership with institutions, the private sector and government departments.
- Consistency and reform of policy prescripts.

“It always seems
impossible until it’s
done.” Nelson Mandela



THANK YOU



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011 403 6291