Actionable Spatial Intel With Next-Gen Risk Terrain Modeling and ArcGIS

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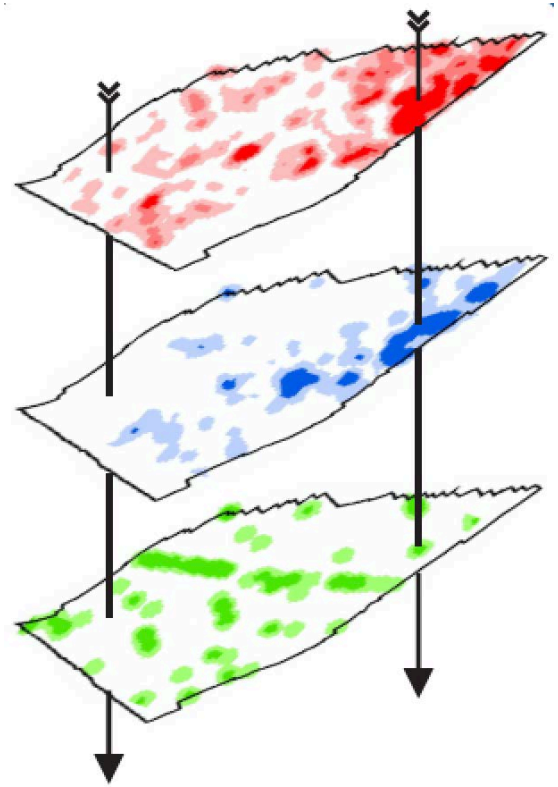
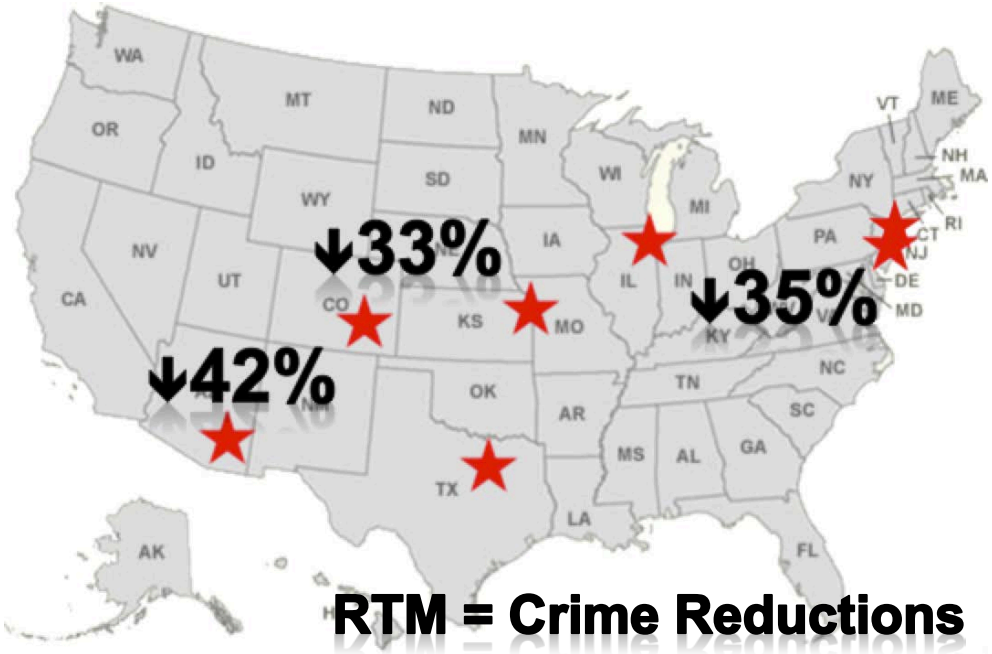
Esri 2017 | San Diego, CA





RTM = Crime Reductions

RTM

Risk Terrain Modeling

BJA
Bureau of Justice Assistance
U.S. Department of Justice

NIJ
NATIONAL INSTITUTE of JUSTICE

OJJDP
Office of Juvenile Justice and Delinquency Prevention

JUSTICE FOR VICTIMS
JUSTICE FOR ALL

Office for Victims of Crime
OVC

KALEIDOSCOPE

“MAPLESS MAP”

“A mapless map…describes how one variable is distributed in space…. To determine ‘why’ it is distributed the way it is, the spatial distribution of at least one other variable needs to be considered.” (Rengert & Lockwood, 2010; p. 109)

Hotspot

Atlantic City, NJ
Robbery 2017 Mar1-Apr27
ACPD Districts
ATLANTIC CITY
ALBANY
OLD BRIGANTINE
HURON
RIVERSIDE
SENATE
MURRAY
MICHIGAN
ABSECON
BRIGANTINE
MARYLAND
CONNECTICUT
NEW HAMPSHIRE
ERIE
KENTUCKY
OHIO
DREXEL
BALTIC
NEW JERSEY
VERMONT
ATLANTIC CITY
INDIANA
NORTH CAROLINA
ATLANTIC
NEW YORK
PARK
MISSOURI
ARCTIC
MORRIS
PACIFIC
SOVEREIGN
HARTFORD
END
TRENTON
DOVER
RALEIGH
ELBERON
VENTNOR
JACKSON
1
2
3
4
5
6
0
0.375
0.75 Miles
N
Produced for the A.C. Risk-Based Policing Initiative: 01/26/17
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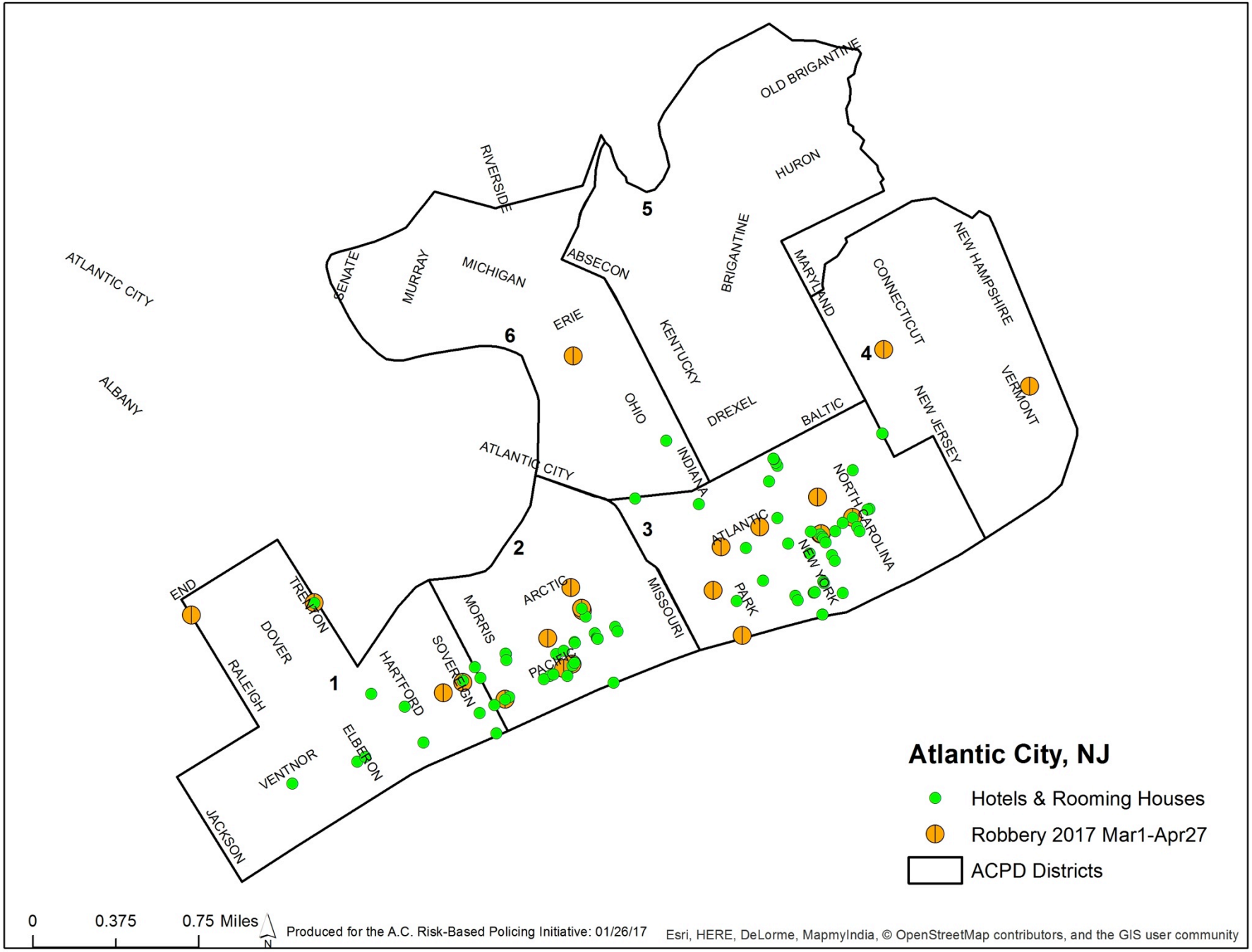
Atlantic City, NJ
Hotels & Rooming Houses
Robbery 2017 Mar1-Apr27
ACPD Districts
ATLANTIC CITY
ALBANY
RIVERSIDE
SENATE
MURRAY
MICHIGAN
ERIE
ABSECON
OLD BRIGANTINE
HURON
BRIGANTINE
KENTUCKY
OHIO
DREXEL
INDIANA
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VERMONT
NEW JERSEY
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ATLANTIC CITY
ATLANTIC
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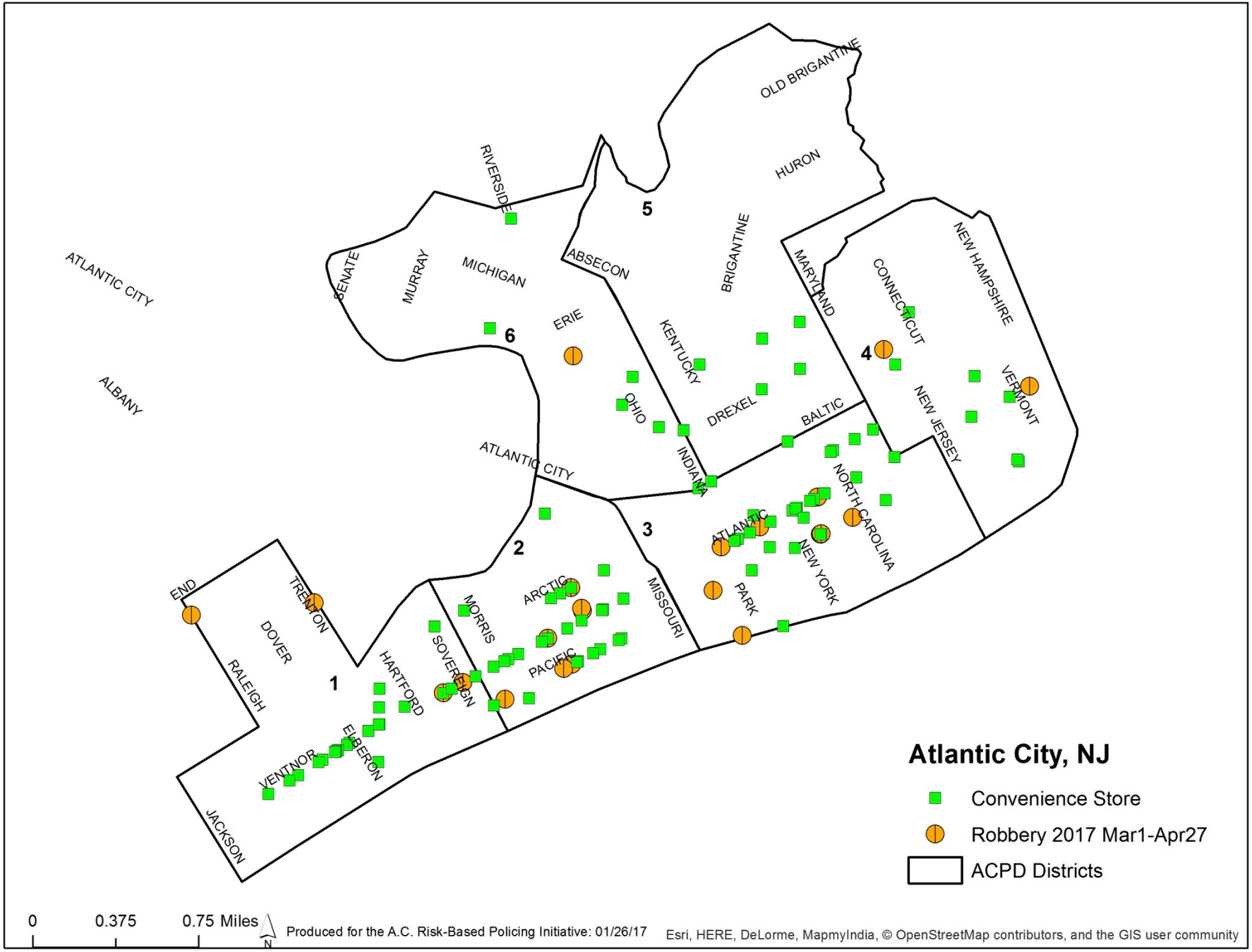
Atlantic City, NJ
Convenience Store
Robbery 2017 Mar1-Apr27
ACPD Districts
ATLANTIC CITY
ALBANY
OLD BRIGANTINE
HURON
RIVERSIDE
SENATE
MURRAY
MICHIGAN
ABSECON
BRIGANTINE
MARYLAND
CONNECTICUT
NEW HAMPSHIRE
ERIE
KENTUCKY
OHIO
DREXEL
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INDIANA
ATLANTIC CITY
NORTH CAROLINA
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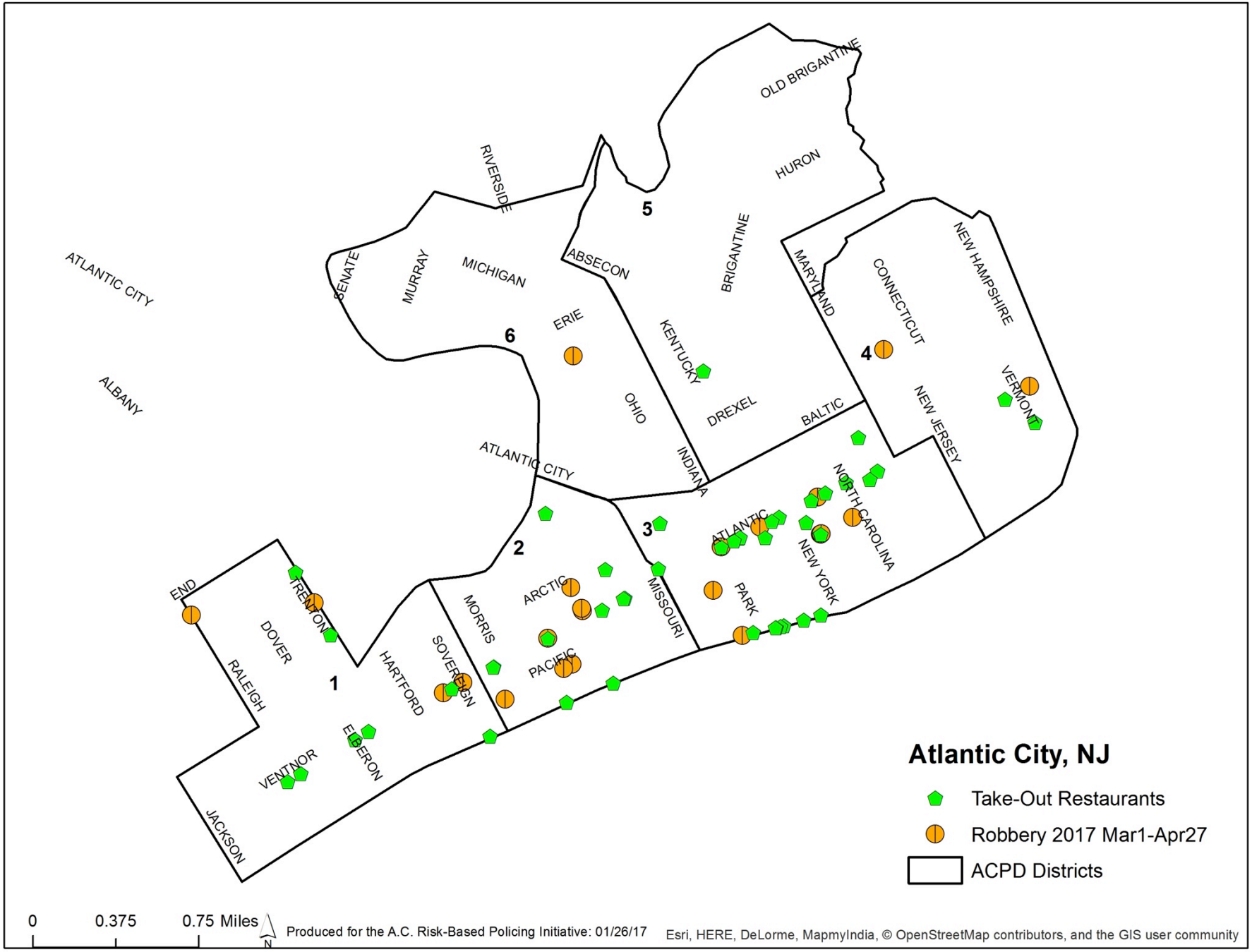
Atlantic City, NJ
Take-Out Restaurants
Robbery 2017 Mar1-Apr27
ACPD Districts
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0.75 Miles
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Produced for the A.C. Risk-Based Policing Initiative: 01/26/17
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ATLANTIC CITY
ALBANY
OLD BRIGANTINE
HURON
RIVERSIDE
SENATE
MURRAY
MICHIGAN
ABSECON
BRIGANTINE
MARYLAND
CONNECTICUT
NEW HAMPSHIRE
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PACIFIC
SOVEREIGN
HARTFORD
TRENTON
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DOVER
RALEIGH
EMBERON
VENTNOR
JACKSON
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Atlantic City, NJ
Robbery - Highest Risk - May 2017
ACPD Districts
ATLANTIC CITY
ALBANY
OLD BRIGANTINE
HURON
RIVERSIDE
SENATE
MURRAY
MICHIGAN
ABSECON
BRIGANTINE
MARYLAND
CONNECTICUT
NEW HAMPSHIRE
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BALTIC
NEW JERSEY
VERMONT
ATLANTIC CITY
INDIANA
NORTH CAROLINA
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0.75 Miles
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ACCURATE FORECASTING

Risk-Based Policing Initiative

1 **Assess** Risk

2 **Deploy** Resources

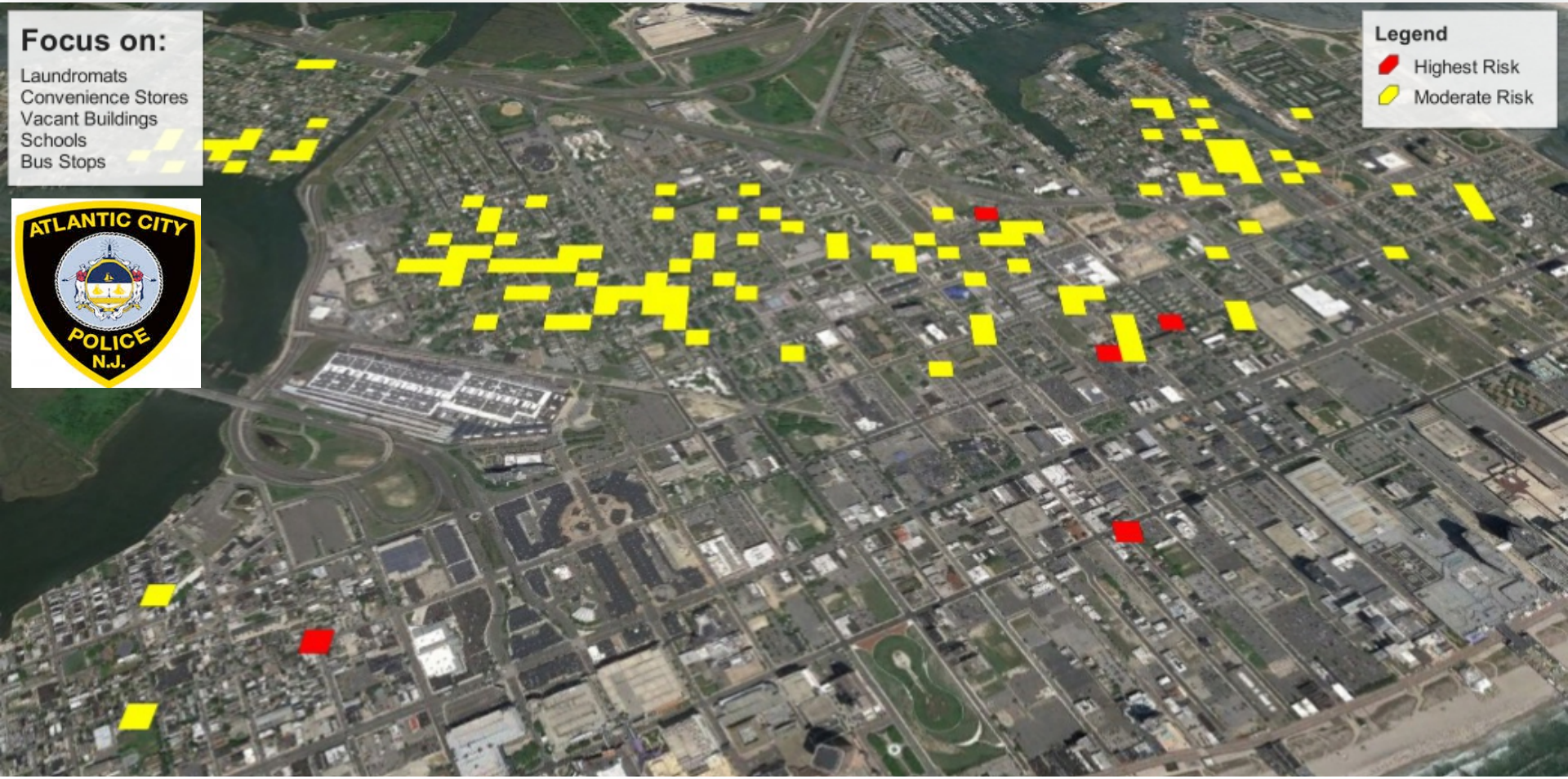
3 Check for **Success**

Apartments, Banks, Bars, Check Cashing Services, Coffee Shops, Grocery Stores, Department Stores, **Convenience Stores** **ATMs, Schools,** Laundromats, Health Night Clubs, Gyms, Public Libraries, Liquor Stores, **Laundromats** Movie Theaters, Parking Lots, Parks, **Gas Stations,** Pawn/Second Hand Dealers, Pharmacies, Rec Centers, Eat-in Restaurants, Take-out Restaurants, Variety Stores, **Vacant Buildings**

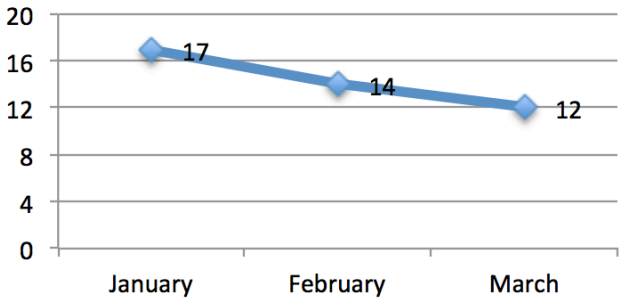
http://www.pressofatlanticcity.com/news/with-atlantic-city-store-robberies-on-the-rise-owners-and/article_42da9513-3d1b-59a8-b7d0-83462fef60de.html

With Atlantic City store robberies on the rise, owners and employees on edge

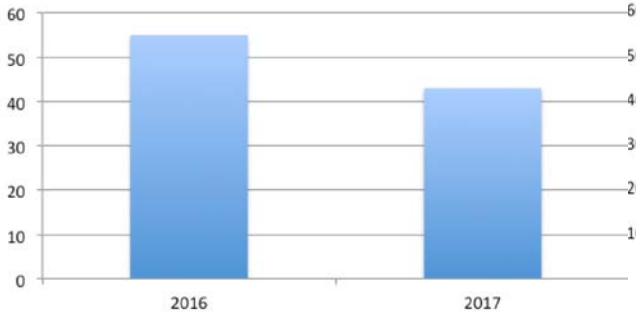
ERIN SERPICO Staff Writer Dec 28, 2016



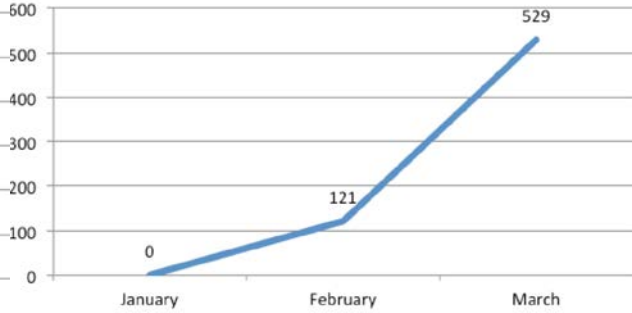
Robberies



Robberies To-Date (Q1)



Sign-In Sheets: # of Signatures



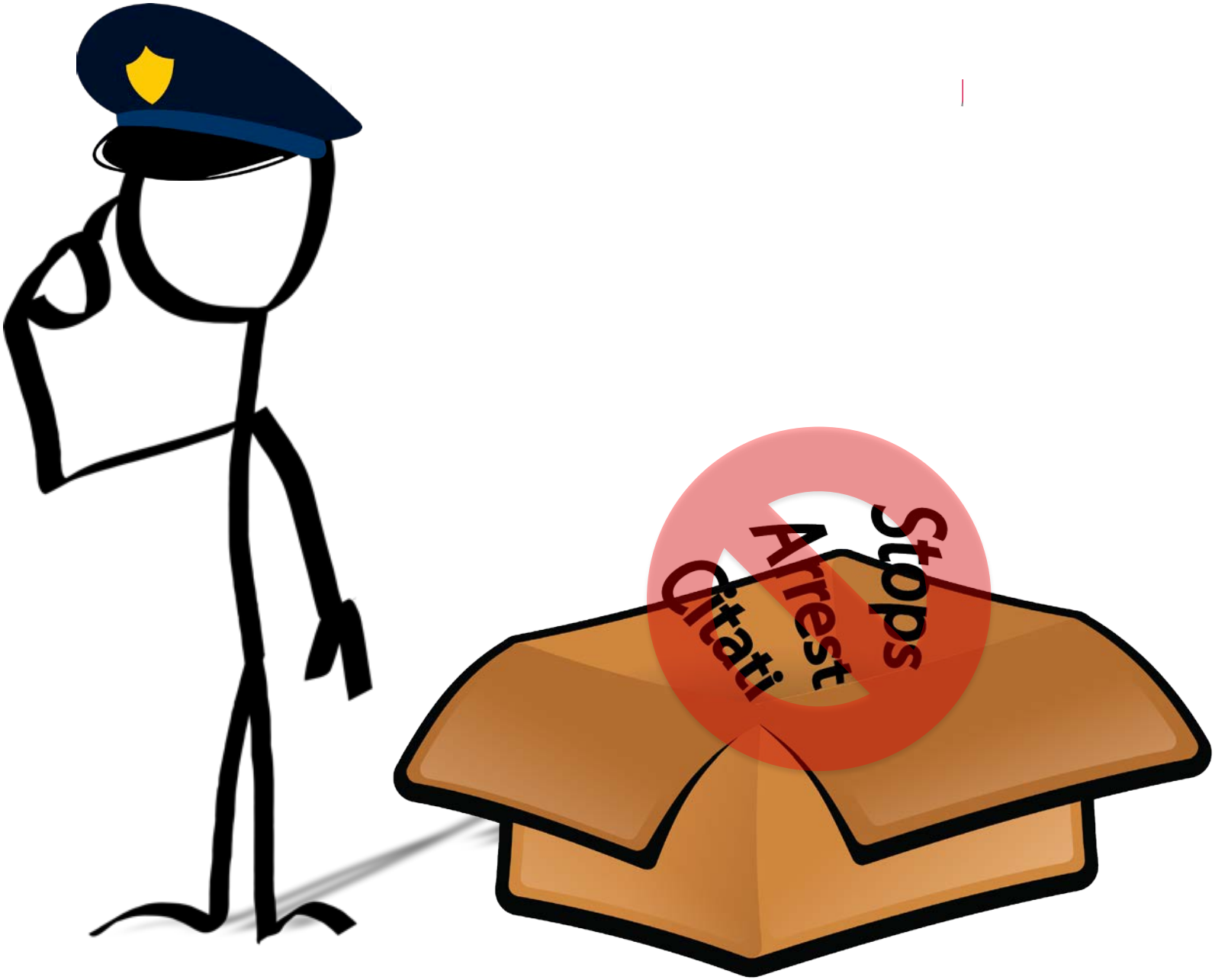
Problem-solving

Evidence-based decision making

Sustainability

Better utilization of resources

Increased transparency


Stops
Arrest
Citati