THE POSSIBLE IMPACT OF CRIME ANALYSIS ON ORGANISED CRIME .

Dr. Chris De Kock (Major-General, retired) Independent Consultant/Analyst: crime, violence and crowd behaviour.

1.) CONTENT FRAMEWORK.

- Selecting motor vehicle related crime.
- Statistics.
- High risk areas.
- Crime pattern analysis in the police.
- Organised crime threat analysis in the police.
- How can this be done in the insurance community?

2.) CARJACKING, MOTOR VEHICLE THEFT, THEFT OUT OF MOTOR VEHICLE, AND TRUCK HIJACKING TRENDS.

| CRIME	2015/2016	2016 /2017	Phiyega Period	Cele Period	Selebi Period
CARJACKING	14.3%	14.5%	13.8%	-12.2%	1.5%
MOTOR VEHICLE THEFT	-2.3%	-0.9%	-2.1%	-7.4%	-2.8%
THEFT OUT OF MOTOR VEHICLE	-4.1%	-0.9%	1.9%	6.3%	-7.3%
TRUCK HIJACKING	-7.4%	- 0.1%	11.1%	-14.3%	11.9%

3.) TOP TEN STATIONS (FREQUENCIES).

HIJACK STATION	COUNT	TRUCK JACKING STATION	COUNT	MVT STATION	COUNT	THEFT OUT OF STATION	COUNT
Nyanga	238	Heidelberg (GP).	73	Honeydew	835	Cape Town Central	3 509
Booysens	207	Kempton Park.	41	Berea	729	Stellenbosch	2 747
Gugulethu	202	Vosloorus	32	Durban Central	618	Sunnyside	1 614
Jeppe	192	Ogies	31	Roodepoort	574	Bellville	1 487
Chatsworth	175	Bedfordview	28	Booysens	574	JHB Central	1 471
Soshanguve	169	Delmas	27	Linden	554	Pretoria Central	1 376
Pinetown	146	Alberton	26	Brooklyn	529	Mitchells Plain	1 315
Kagiso	139	Olifantsfontein	21	Krugersdorp	521	Sandton	1 282
Yeoville	139	Middelburg (MP)	20	Boksburg North	521	Nelspruit	1 271
Kwazakele	135	Witbank	20	Brixton	515	Durban Central	1 223

4.) FREQUENCIES VERSUS LOCATION QUOTIENTS: CARJACKINGS.

STATION	FREQUENCIES	STATION	QUOTIENTS
Nyanga	238	Bayview	6.3
Booysens	207	Isipingo	5.9
Guguletu	202	Olifantsfontein	5.6
Jeppe	192	Sandringham	5.5
Chatsworth	175	Booysens	5.0
Soshanguve	169	Soshanguve	4.9
Pinetown	146	Philippi East	4.7
Kagiso	139	Yeoville	4.4
Yeoville	139	Kwazakele	4.4
Kwazakele	135	Guguletu	4.3

5.) Carjacking
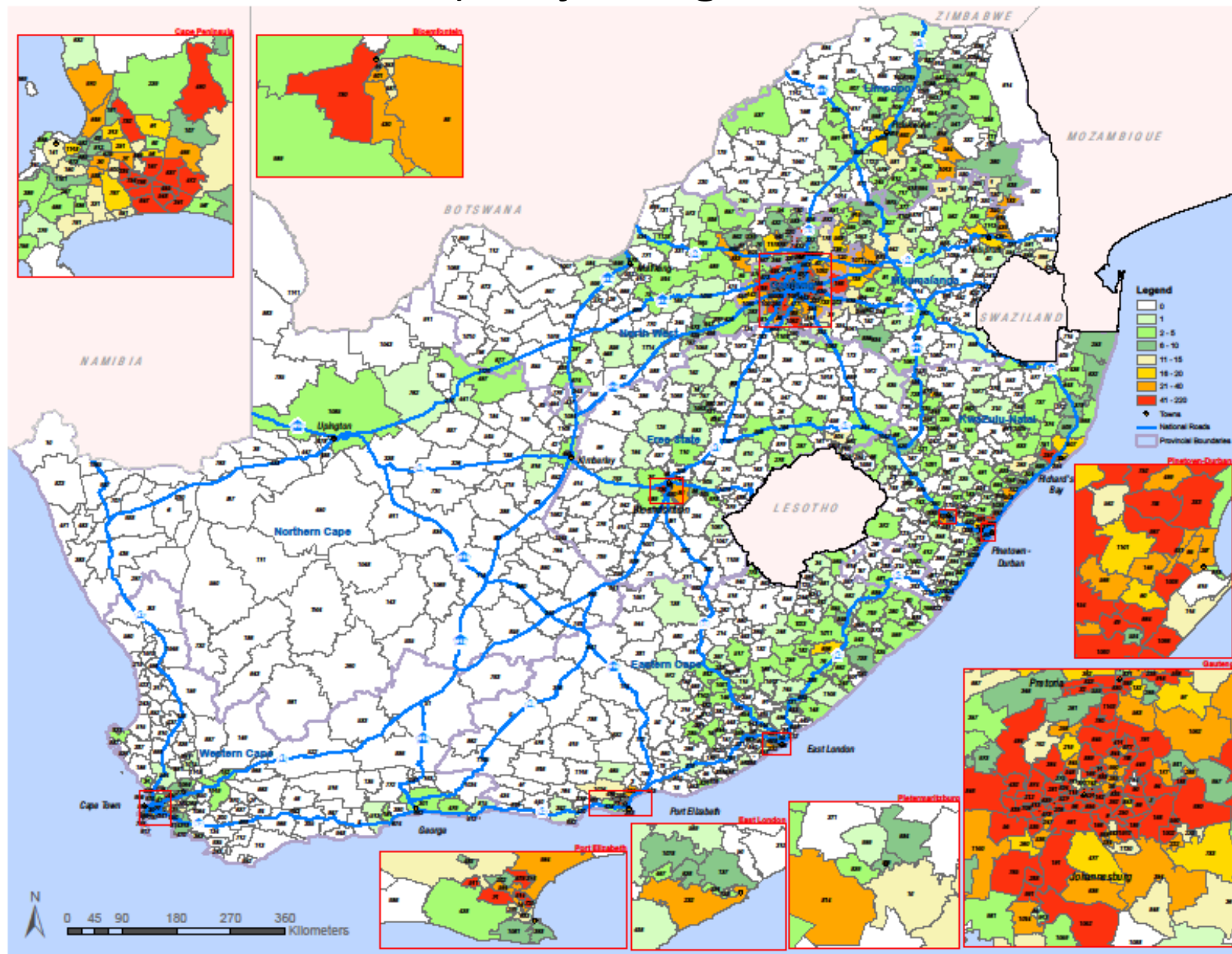
6.) Theft of motor vehicle
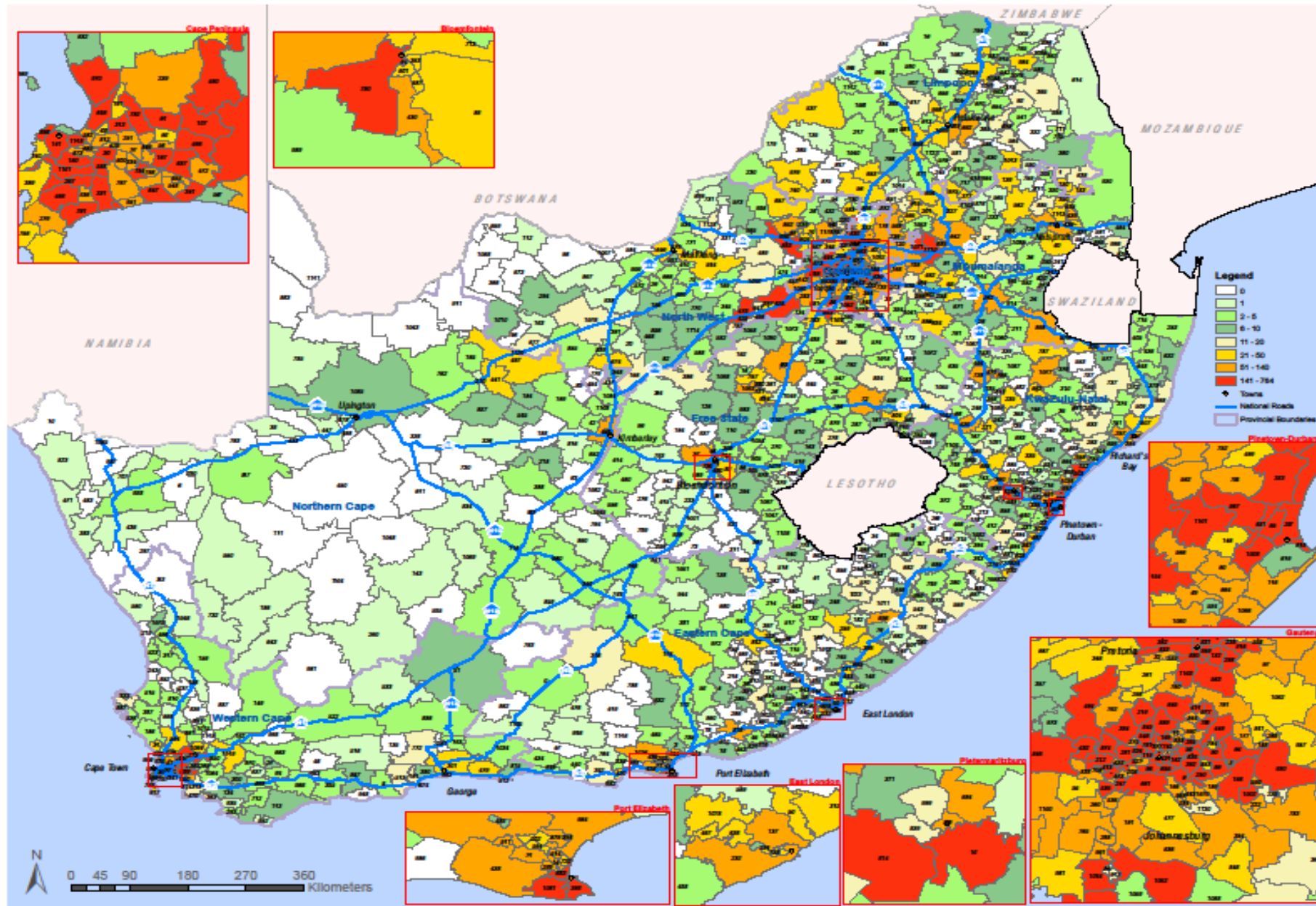
7.) Theft out of motor vehicle

8.) CRIME MAPPING

- At station level all reported and registered crime should be GISed.
- As the address of crime is entered on the CAS it automatically pinpoint the coordinates on the GIS with a unique icon for each crime committed during the same crime incident.
- The more information is fed into the GIS behind each pin the more powerful the analysis can become.
- Examples: Nursery school, 200 meter in West Street Durban, TAXI.
- Other features on map.
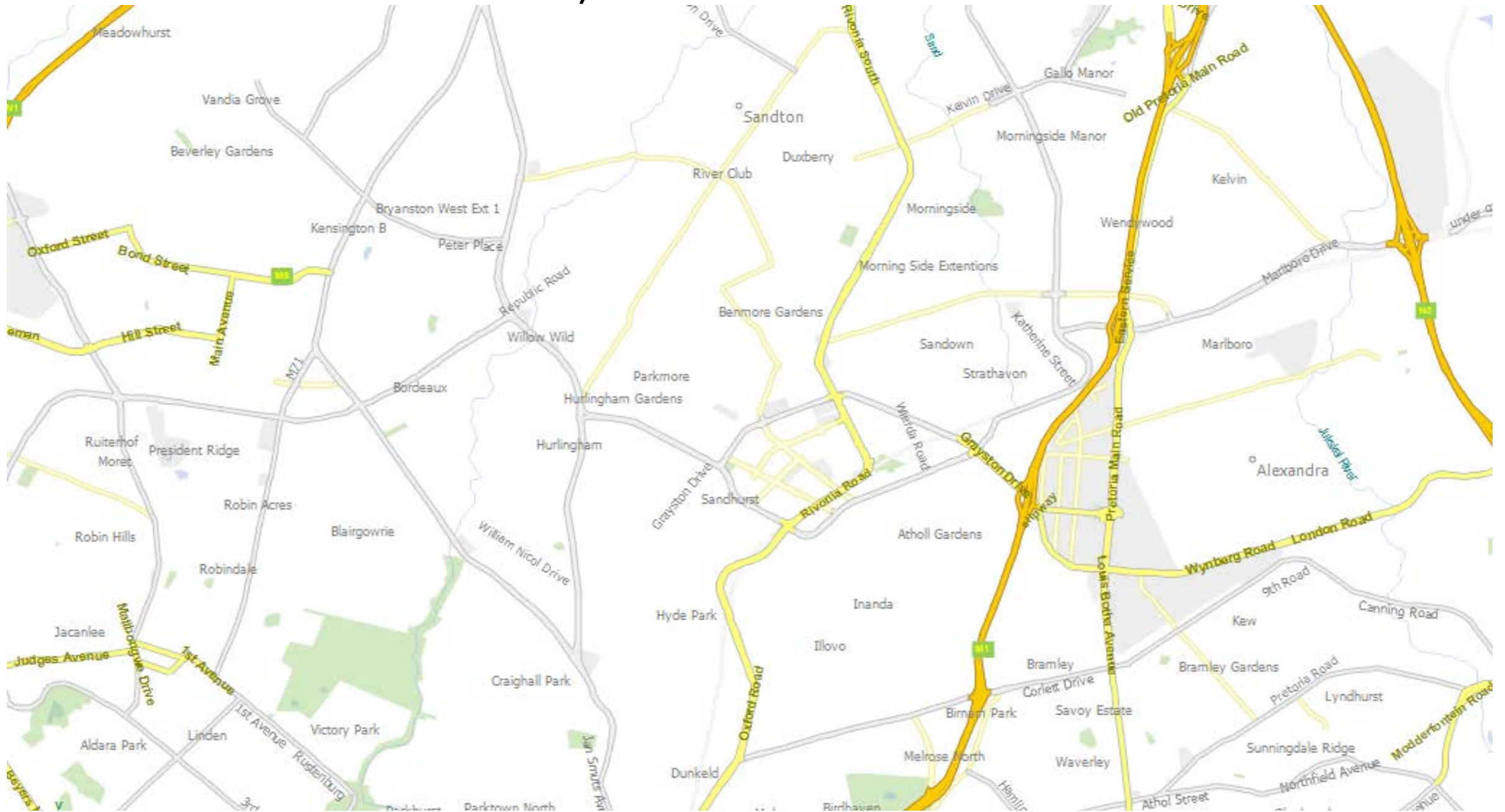
10.)LINKAGE ANALYSIS

- Use matrix or pro forma to enter all relevant information.
- Idea is to drill down into database and to identify commonalities/crime series.
- Basis for intelligence analysis and collection.
- Examples: Harry and his associates, insurance fraud.

PIN.NR.	CASE NR.	CRIME ADDRESS	TIME	VICTIM PARTICULARS.	SUSPECT PARTICULARS	M. O.	TARGET	OTHER REMARKS.
47	CAS Sandton 0047/05/2012	C/O Apple & Tindle str., Rivonia, in front of Dwarf Nursery school	13h17 on Wednesday the5th of May	ME. G. I. Foxcroft	3 B males, with blue balaclavas one with a shiny pistol and a birth mark on his arm.	1 of the men walk to the car with bunch of flowers then take out a gun and point it, ordering the lady out. All 3 then gets into car and speeds of.	Brand new Toyota Prado. White in colour. Fitted with winch.	Other similar Prado was also hijacked at same school similar M.O. two months earlier
127	CAS Sandton 0127/05/2012	36 Kogh str,Illovo	Approximately18h00 on Friday the7th of May	Dr R.Pillay	2 B males.	The two men wait near the automatic gate then slip in after the dr entered and point a fire arm at the driver they demand the gate opener open the gate and drive out.	A 2 year old BMW 540.	These are the tipe of vehicle that are usually used in heists as a ramming vehicle.
307	CAS Sandton 0307/05/2012	99 Dalmatian ave Sandringham	11h45 on Tuesday the11 th of May	ME.Patricia Masemola	2 W males, and a tall W female.	The three suspects armed with knives confront the victim on her way to the car parked under a tree and order her to hand over the keys.	An old (10years) CITI Golf.	All 3 of the suspects act strangely in all probability they were under the influence of drugs.

906	CAS Sandton 0906/05/2012	C/O Apple & Tindle str., Rivonia, in front of Dwarf Nursery school	Between13h00 and 14h00 on Friday the 14th of May.	ME. Fikile Mduli	3 B males, with blue balaclavas one with a shiny pistol and a birth mark on his arm.	1 of the men walk to the car with bunch of flowers then take out a gun and point it, ordering the lady out. All 3 then gets into car and speeds of.	A three year old Toyota Prado. White in colour. Fitted with winch.	Other similar Prado was also hijacked at same school similar M.O. two months earlier and on the first of May
1047	CAS Sandton 1047/05/2012	212 4 th avenue, Parkmore.	22h30 on Monday 17 th of May	Mr S Tshnane	3 B males, one short and fat the other two long and thin.	The three was waiting in the drive way next to the house in a dark spot when the driver stop they demand the keys and drove away.	Brand new VW Polo. Red in colour.	VW Polo often taken for their engines.
1378	CAS Sandton 1378/05/2012	Benmore shopping centre 4 th avenue Parkmore	15h00 on Saterday the22 of May	ME. G.Moodley	2 B males, 0ne walking with a limp, pointing the firearm and cursing a lot..	The suspect with the limp poses as a car guard walk with the driver to his car and then suddenly draw a fire arm and demand the keys.	A three year old VW Polo. Blue in colour.	VW Polo often taken for their engines
1783	CAS Sandton 1783/05/2012	Pikkie nursery school C/O Alsatian &North road .Illovo	14h00 on Thursday the27th of May	ME.D. Cooper	2 B males, with blue balaclavas one with a shiny pistol and a birth mark on his arm.	1 of the men walk to the car with bunch of flowers then take out a gun and point it, ordering the lady out. The 2 then gets into car and speeds of.	Brand new Toyota Prado. White in colour. Fitted with winch.	Other similar Prado was also hijacked at same school similar M.O. two months earlier

13.) IMPORTANCE OF CRIME MAPPING, LINKAGE ANALYSIS AND ENVIROMENTAL SCANNING FOR POLICING.

- Daily planning of policing.

- Planned displacement of crime.

- Social and environmental prevention.

- Detection of clustered cases (decrease stress, enhance investigation, help to oppose bail).

- Forms basis for CI collection. The crime threat analysis is actually the collection plan of gathering/collection.

- Local analysis patterns used for strategic decision making/planning.

14.) USE OF POLICE DATA VERSUS PRIVATE/NGO DATA?

- It would be ideal to have one central/national depository of motor vehicle related crime data which could be used by everybody.
- One of the largest stumbling blocks is the resistance of the SAPS to share public info with private/NGO partners.
- Hopefully it may change with the implementation of the new SAPS Policy and South African Statistical Quality Assessment Framework (SASQAF).
- I would lie if I say anything about the sharing of information between role-players present (this should be discussed here and on other such occasions).

15.) POSSIBLE USES FOR CRIME MAPPING, LINKAGE ANALYSIS AND ENVIRONMENTAL SCANNING IN THE PUBLIC/NGO ENVIRONMENT.

- Can be used by motor manufacturing companies to do research/analysis to design out security weaknesses.

- Can be used by tracking companies to identify hotspots, high risk vehicles, emerging modus operandi and recovery areas.

- Can be used by short-term insurance companies to identify specific high, medium and low risk areas and behaviour and to assist them to make their clients aware of it. It can also help them to identify insurance fraud risk.

- It can be used by public parking garage/area managers to identify specific risks.

- Can be used by security companies, NGO'S, even CPF's and neighbourhood watches to especially make the public aware of hotspots and modus operandi.

16) IDENTIFICATION OF HIGH, MEDIUM AND LOW RISK AREAS AND BEHAVIOUR.

- Identification of precincts through the use of quotients.
- Identification of specific hotspots through GIS mapping and analysis.
- Identification of risky behaviour e.g.

  - in parking the vehicle.

  - entrance of property.

  - visiting risky areas.

  - driving along certain routes.

17) IDENTIFY INSURANCE FRAUD RISKS.

- Hula hoop.
- Multiple insurance.
- Theft without any damage.
- Spare key.
- Risky clients (Hi-jacked regularly and students).
- Known hijacking hotspots (London rd. Alexandra)

THE END.

Thank you very much for your attention. Hope you found it worthwhile.