CHAPTER SIX

Indicators for CRISOLA

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This chapter lists the main Indicators developed during the study which were based on the expert feedback and base studies carried out in the first phases of the project.

The first section lists the Indicator table by pivots and then depicts the formulae and descriptions which serve as guidelines for the analytical functionality.

Pivot: CRIME

Code	Theme	Indicator Name	MT	IT	Comments
C1	Incidence	Number of Crimes by Category of Crime (C)	P	P	2012 (MT), 2010 (IT)
C2	Incidence	Number of Crimes by Category of offender (CO)	N/A	P	---- (MT), 2005 (IT)
C3	Incidence	Number of Crimes per 1000 persons (CR)	P	P	2012 (MT), 2010 (IT)
C4	Category	Proportion of Serious Crimes (SR)	P	P	2012 (MT), 2010 (IT)
C5	Category	Proportion of Non-Serious Crimes (NSR)	P	P	2012 (MT), 2010 (IT)
C6	Police	Structure of Police Agencies (PA)	P	P	2012 (MT), 2012 (IT)
C7	Police	Number of Police Officers per 1000 persons (PR)	P	P	2012 (MT), 2010 (IT)
C8	Prisons	Number of Prisoners by Type of Crime, Sex, Age, AT/Sent (PI)	P	P	2009 (MT), 2005 (IT)
C9	Prisons	Rate of Incarceration per 1000 persons (PIR)	P	P	2012 (MT), 2005 (IT)

Code	Theme	Indicator Name	MT	IT	Comments
C10	Prisons	Immigrant Inmate rate (IIR)	P	P	2012 (MT), 2005 (IT)
C11	Prisons	Officer/Prisoner rate (OPR)	P	P	2012 (MT), 2013 (IT)
C12	Services	Probation Officer/Probationer rate (OPPR)	P	P	2013 (MT), 2012 (IT)
C13	Services	Structure of Service Agencies (SA)			This indicator was omitted from the study and proposed for further studies
C14	Services	Services Officers per 1000 persons (SOR)			This indicator was omitted from the study and proposed for further studies
	TOTAL	**14**			

Pivot: SOCIAL

Code	Theme	Indicator Name	MT	IT	Comments
S1	Demography	Population (Age and Sex) (Pop)	P	P	2005 (MT), 2010 (IT)
S2	Demography	Population Composition (Immigrant/Total) (PopR)	P	P	2005 (MT), 2007 (IT)
S3	Education	Educational Attainment (EDR)	P	-	2005 (MT), ---- (IT)
S4	Education	Early School Leaving (ESLR)	P	P	2013 (MT), 2004 (IT)
S5	Employment	Main employment structure (ES)	P	P	2005 (MT), 2004 (IT)
S6	Employment	Unemployment Rate (UR)	P	P	2005 (MT), 2012 (IT)

Code	Theme	Indicator Name	MT	IT	Comments
S7	Economy	Main Economic Drivers (ED)	P	P	2005 (MT), 2010 (IT)
S8	Economy	Economic Dependence on State (EDS)	N/A	P	---- (MT), 2010 (IT)
S9	Rehabilitation	Rehabilitation programmes (RPR)	-	-	This indicator was omitted from the study and proposed for further studies
S10	Rehabilitation	Programme Success Rate (PSR)	-	-	This indicator was omitted from the study and proposed for further studies
S11	Professionals	Availability of Rehabilitation Professional Services (professionals per 1000 persons) (RSP)	P	P	2010 (MT), 2010 (IT)
S12	Professionals	Professional Services Graduates (PSG)	-	-	This indicator was omitted from the study and proposed for further studies
S13	Community	Social and Community Facilities (Social Capital) (SCF)	P	P	2012 (MT), 2010 (IT)
S14	Community	Cohesion Level (Social Cohesion) (CLS)	-	-	This indicator was omitted from the study and proposed for further studies
	TOTAL	**14**			

Pivot: LANDUSE

Code	Theme	Indicator Name	MT	IT	Comments
L1	Island Type	Size of Island (sq. km) (SI)	P	P	2012 (MT), 2010 (IT)
L2	Island Admin	Island Distance to Mainland (IDM)	N/A	P	---- (MT), 2010 (IT)
L3	Town Insularity	Category of Town (Village, town, city) (CT)	P	P	2012 (MT), 2008 (IT)
L4	Town Insularity	Structural Insularity - Metropolis, Satellite, Isolated (Town, Village, Hamlet) (SIT)	P	P	2012 (MT), 2008 (IT)
L5	Landuse	Main Landuse/Landcover (MLL)	P	P	2012 (MT), 2006 (IT)
L6	Landuse	Secondary Landuse/Landcover (SLL)	P	P	2012 (MT), 2006 (IT)
L7	Housing	Main Housing Category (H)	P	P	2005 (MT), 2010 (IT)
L8	Housing	Housing Availability – Emigration Driver (HA)	P	P	2012 (MT), 2010 (IT)
L9	Status	Dilapidation/Ruins (DRR)	P	N/A	2012 (MT), ---- (IT)
L10	Status	Rustbelt/Sunshine Status (RSS)	P	N/A	2012 (MT), ---- (IT)
L11	Transport	Distance to main Island City (DMC)	P	P	2012 (MT), 2010 (IT)
L12	Transport	Distance to State Capital City (DSC)	P	P	2012 (MT), 2010 (IT)
	TOTAL	**12**			

First Pivot Indicators: CRIME Aspect

Code	Theme	Indicator Name
C1	Incidence	Number of Crimes by Category of Crime (C)
C2	Incidence	Number of Crimes by Category of Offender (CO)
C3	Incidence	Number of Crimes per 1000 persons (CR)
C4	Category	Proportion of Serious Crimes (SR)
C5	Category	Proportion of Non-Serious Crimes (NSR)
C6	Police	Structure of Police Agencies (PA)
C7	Police	Number of Police Officers per 1000 persons (PR)
C8	Prisons	Number of Prisoners by Type of Crime, Sex, Age, AT/Sent (PI)
C9	Prisons	Rate of Incarceration per 1000 persons (PIR)
C10	Prisons	Immigrant Inmate rate (IIR)
C11	Prisons	Officer/Prisoner rate (OPR)
C12	Services	Probation Officer/Probationer rate (OPPR)
C13	Services	Structure of Service Agencies (SA)
C14	Services	Services Officers per 1000 persons (SOR)

Indicator Code	**C1: Incidence**
Indicator Name	**Number of Crimes by Category of Crime** (C)
Description	Number of Crimes reported in Year N [No] Total
Formula	C = N (Y)

C = Crimes by Category reported to the Police in Year
N = Number of Crimes
Y = Last complete year in which data was gathered

Data required for indicator completion

Date of Report _____

Scale (NUTS level) _____

Type of file _____

Source _____

Comments _____

Note: Date of Report, Scale (NUTS level), Type of file, Source and Comments were repeated for every indicator and were hence removed from the following pages.

Indicator Code	**C2: Incidence**
Indicator Name	**Number of Crimes by Category of Offender** (CO)
Description	Number of Crimes reported in Year N [No] by Offender Type
Formula	CO = N (Y) (O)

C = Crimes by Category reported to the Police in Year
N = Number of Crimes
O = Offender Category (Local/Immigrant)
Y = Last complete year in which data was gathered

Indicator Code	**C3: Incidence**
Indicator Name	**Number of Crimes per 1000 persons** (CR)
Description	Number of Crimes reported in Year N per 1000 persons [Rate]
Formula	CR = C / Pop (Y) * 1000
	CR = Crimes per 1000 persons
	C = Crimes reported to the Police in Year
	Pop = Population
	Y = Last complete year in which data was gathered

Indicator Code	**C4: Category**
Indicator Name	**Proportion of Serious Crimes** (SR)*
Description	Proportion of Serious Crimes in comparison to Total Crimes reported in Year N [%]
Formula	SR = SC / C (Y) *100
	SR = Rate of Serious Crimes
	SC = Serious Crimes
	C = Crimes reported to the Police in Year
	Y = Last complete year in which data was gathered
	** Serious Crimes (Categories Classification)*
	Most Serious: Assaults, Drug offenses,
	Attempted homicide, Intentional homicide, Rapes, Robberies
	Least Serious: Automobile theft, Bribery crimes,
	Burglaries, Frauds, Thefts (Aggravated)
	Non Serious: All other offences
	(Source: Formosa (2007) Pg. 188)

Indicator Code	**C5: Category**
Indicator Name	**Proportion of Non-Serious Crimes** (NSR)*
Description	Proportion of Non-Serious Crimes in comparison to Total Crimes reported in Year N [%]
Formula	NSR = NSC / C (Y) *100

NSR = Rate of Non-Serious Crimes
NSC = Non-Serious Crimes
C = Crimes reported to the Police in Year
Y = Last complete year in which data was gathered
** Categories Classification*
Most Serious: Assaults, Drug offenses, Attempted homicide, Intentional homicide, Rapes, Robberies
Least Serious: Automobile theft, Bribery crimes, Burglaries, Frauds, Thefts (Aggravated)
Non Serious: All other offences
(Source: Formosa (2007) Pg. 188)

Indicator Code	**C6: Police**
Indicator Name	**Structure of Police Agencies** (PA)
Description	List of Police Agencies and Roles [Desc]
Formula	Descriptive

Police Agency Name
Agency Role
Jurisdiction
Reporting Structure
Integration Potential (Inter-agency communication)

Indicator Code	**C7: Police**
Indicator Name	**Number of Police Officers per 1000 persons** (PR)
Description	Number of Police Officers per 1000 persons in Year N [Rate] by type of Police Body Category
Formula	PR = PO / Pop (Y) * 1000

PR = Police Officers per 1000 persons
PO = Police Officers in Year
Pop = Population
Y = Last complete year in which data was gathered

Indicator Code	**C8: Prisons**
Indicator Name	**Number of Prisoners by Type of Crime, Sex, Age, AT/Sent** (PI)
Description	Number of Prisoners reported in Year N [No]
Formula	PI = NPI (Y) (C) (S) (A) (AT/SE/BA/CSO/SS/PO)

PI = Prisoners in Year
NPI = Number of Inmates
Y = Last complete year in which data was gathered
C = Offence by Category
S = Sex (Male – Female)
A = Age Group (0-4, 5-9, 10-14, 15-19…)
AT = Awaiting Trial (Remanded)
SE = Sentenced
BA = Bail
CSO = Community Service Order
SS = Suspended Sentence
PO = Probation Order

Indicator Code	**C9: Prisons**
Indicator Name	**Rate of Incarceration per 1000 persons** (PIR)
Description	Number of Prisoners Incarcerated in Year N per 1000 persons [Rate] by type of sentence
Formula	PIR = NPI / Pop (Y) * 1000 (AT/SE/BA/CSO/SS/PO)

PIR = Prisoners per 1000 persons
NPI = Number of Inmates
Pop = Population
Y = Last complete year in which data was gathered
AT = Awaiting Trial (Remanded)
SE = Sentenced
BA = Bail
CSO = Community Service Order
SS = Suspended Sentence
PO = Probation Order

Indicator Code	**C10: Prisons**
Indicator Name	**Immigrant Inmate rate** (IIR)
Description	Proportion of Immigrant Inmates in comparison to Total Inmates reported in Year N [%]
Formula	IIR = II / NPI (Y) *100

IIR = Rate of Immigrant Inmates
II = Immigrant Inmates
NPI = Number of Inmates
Y = Last complete year in which data was gathered

Indicator Code	**C11: Prisons**
Indicator Name	**Officer/Prisoner rate** (OPR)
Description	Ratio of Prison Officers as against Number of Prisoners incarcerated in Year N [Ratio]
Formula	OPR = OP / NPI (Y) *OPR = Rate of Prison Officers as against Inmates* *OP = Prison Officers* *NPI = Number of Inmates* *Y = Last complete year in which data was gathered*

Indicator Code	**C12: Services**
Indicator Name	**Probation Officer/Probationer rate** (OPPR)
Description	Ratio of Probation Officers as against Number of Probationers incarcerated in Year N [Ratio]
Formula	OPPR = OPP / NPP (Y) *OPPR = Rate of Probation Officers as against Probationers* *OPP = Probation Officers* *NPP = Number of Probationers* *Y = Last complete year in which data was gathered*

Indicator Code	**C13: Services**
Indicator Name	**Structure of Service Agencies** (SA)
Description	List of Service Agencies and Roles [Desc]. To be sub-categorised by type of agency service, types of crimes covered and types of offenders.
Formula	Descriptive
	Service Agency Name *Agency Role* *Jurisdiction* *Reporting Structure* *Integration Potential (Inter-agency communication)*

Indicator Code	**C14: Services**
Indicator Name	**Services Officers per 1000 persons** (SOR)
Description	Number of Services Officers per 1000 persons in Year N [Rate]
Formula	SOR = SO / Pop (Y) * 1000
	SOR = Services Officers per 1000 persons *SO = Services Officers in Year* *Pop = Population* *Y = Last complete year in which data was gathered*

Second Pivot Indicators: SOCIAL Aspect

Indicator Code	Theme	Indicator Name
S1	Demography	Population (Age and Sex) (Pop)
S2	Demography	Population Composition (Immigrant/Total) (PopR)
S3	Education	Educational Attainment (EDR)
S4	Education	Early School Leaving (ESLR)
S5	Employment	Main employment structure (ES)
S6	Employment	Unemployment Rate (UR)
S7	Economy	Main Economic Drivers (ED)
S8	Economy	Economic Dependence on State (EDS)
S9	Rehabilitation	Rehabilitation programmes (RPR)
S10	Rehabilitation	Programme Success Rate (PSR)
S11	Professionals	Availability of Rehabilitation Professional Services (professionals per 1000 persons) (RSP)
S12	Professionals	Professional Services Graduates (PSG)
S13	Community	Social and Community Facilities (Social Capital) (SCF)
S14	Community	Cohesion Level (Social Cohesion) (CLS)

Indicator Code **S1: Demography**
Indicator Name **Population (Age and Sex)** (Pop)
Description Population Structure [No]
Formula Pop = P (A) (S) (Y)

Pop = Population Structure by age and sex
P = Population Number
A = Age Group (0-4, 5-9, 10-14, 15-19…)
S = Sex (Male, Female)
Y = Last complete year in which data was gathered

Indicator Code	**S2: Demography**
Indicator Name	**Population Composition (Immigrant/Total)** (PopR)
Description	Proportion of Immigrants in comparison to Total Population in Year N [%]
Formula	PopR = PopI / Pop (Y) *100
	PopR = Ratio of Immigrant population *PopI = Immigrant population by age and sex* *Pop = Population Structure by age and sex* *Y = Last complete year in which data was gathered*

Indicator Code	**S3: Education**
Indicator Name	**Educational Attainment** (EDR)
Description	Proportion of Population by Educational Attainment in Year N [%]
Formula	EDR = PopED / Pop (Y) *100
	EDR = Ratio of Attainment by category of highest educational level attained *PopED = Number of population by age and sex by attainment* *Pop = Population Structure by age and sex* *Y = Last complete year in which data was gathered*

Indicator Code	**S4: Education**
Indicator Name	**Early School Leaving** (ESLR)
Description	Early School Leaving Rate in comparison to Total Population in Year N [%]
Formula	ESLR = ESL / Pop (Y) *100
	ESLR = Ratio of Early school leavers *ESL = Early School Leavers by age and sex* *Pop = Population Structure by age and sex* *Y = Last complete year in which data was gathered*

Indicator Code	**S5: Employment**
Indicator Name	**Main employment structure** (ES)
Description	Main employment categories reported in Year N [No]
Formula	ES = NE (Y)
	ES = Main employment structure by category in Year
	NE = Number of employees by category by age and sex
	Y = Last complete year in which data was gathered

Indicator Code	**S6: Employment**
Indicator Name	**Unemployment Rate** (UR)
Formula	UR = U / Pop (A) (S) (Y)
	UR = Unemployed by age and sex
	U = Unemployed Population Number
	Pop = Population Structure by age and sex
	A = Age Group (0-4, 5-9, 10-14, 15-19…)
	S = Sex (Male, Female)
	Y = Last complete year in which data was gathered

Indicator Code	**S7: Economy**
Indicator Name	**Main Economic Drivers** (ED)
Description	Main economic categories in Year N [Desc]
Formula	Descriptive
	Primary Driver (Category of Activity, ex agriculture, service)
	Secondary Driver (Category of Activity)
	Tertiary Driver (Category of Activity)

Indicator Code	**S8: Economy**
Indicator Name	**Economic Dependence on State** (EDS)
Description	Level of Economic Dependence on central government [Desc]
Formula	Descriptive
	High Dependence (No income generation) Medium Dependence Low Dependence Self-Sufficient

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Indicator Code	**S9: Rehabilitation**
Indicator Name	**Rehabilitation programmes** (RPR)
Description	Number of rehabilitation programmes per 1000 persons in Year N [Rate]
Formula	RPR = RP / Pop (Y) * 1000
	RPR = Rehabilitation Programmes per 1000 persons *RP = Rehabilitation Programmes in Year* *Pop = Population* *Y = Last complete year in which data was gathered*

Indicator Code	**S10: Rehabilitation**
Indicator Name	**Programme Success Rate** (PSR)
Description	Number of Successful rehabilitation per programme population in Year N [No]
Formula	PSR = RPG / RPop (Y) * 100
	PSR = Programme success rate per 1000 persons *RPG = Rehabilitation Programmes Graduants in Year* *RPop = Rehabilitation Programmes Population* *Y = Last complete year in which data was gathered*

Indicator Code	**S11: Professionals**
Indicator Name	**Availability of Rehabilitation Professional Services (professionals per 1000 persons)** (RSP)
Description	Number of Professionals in Rehabilitation reported in Year N [No]
Formula	RSP = PSO / Pop (Y) * 1000
	RSP = Professional Services Officers per 1000 persons *PSO = Professional Services Officers in Year* *Pop = Population* *Y = Last complete year in which data was gathered*

Indicator Code	**S12: Professionals**
Indicator Name	**Professional Services Graduates** (PSG)
Description	Number of Professional Services Graduates in Year N [No]
Formula	PSG (Y)
	PSG = Number of professionals graduation in the Social, psychological and other related studies.

Indicator Code	**S13: Community**
Indicator Name	**Social and Community Facilities (Social Capital)** (SCF)
Description	Number of Social and Community Facilities (PREFE) reported in Year N [No]
Formula	SCF = NSC * PREFE (Y)
	SCF = Presence of social and community facilities (structures) in Year *NSC = Number of Facilities (1 point for each of the PREFE structures)* *PREFE = Political, Religious, Economic, Family, Educational* *Y = Last complete year in which data was gathered*

Indicator Code	**S14: Community**
Indicator Name	**Cohesion Level (Social Cohesion)** (CLS)
Description	Presence of Social Cohesion activities in Year N [Desc]
Formula	CLS = SCF * AC (Y)
	CLS = Cohesive levels in Year *SCF = Presence of social and community facilities* *AC = Number of Activities partaken to in each of the PREFE (1 point for each activity)* *Y = Last complete year in which data was gathered*

Third Pivot Indicators: LANDUSE Aspect

Indicator Code	Theme	Indicator Name
L1	Island Type	Size of Island (sq. km) (SI)
L2	Island Admin	Island Distance to Mainland (IDM)
L3	Town Insularity	Category of Town (Village, town, city) (CT)
L4	Town Insularity	Structural Insularity - Metropolis, Satellite, Isolated (Town, Village, Hamlet) (SIT)
L5	Landuse	Main Landuse/Landcover (MLL)
L6	Landuse	Secondary Landuse/Landcover (SLL)
L7	Housing	Main Housing Category (H)
L8	Housing	Housing Availability – Emigration Driver (HA)
L9	Status	Dilapidation/Ruins (DRR)
L10	Status	Rustbelt/Sunshine Status (RSS)
L11	Transport	Distance to main Island City (DMC)
L12	Transport	Distance to State Capital City (DSC)

Indicator Code	**L1: Island Type**
Indicator Name	**Size of Island (sq. km)** (SI)*
Description	Size of Island [Area]
Formula	SI (Y)

SI = Area in Km. Sq.
Y = Last complete year in which data was gathered
** Note to include any external islands*

Indicator Code	**L2: Island Type**
Indicator Name	**Island Distance to Mainland** (IDM)
Description	Island Distance to nearest Continental mainland in Year N [Km]
Formula	IDM (Y)
	IDM = Island Distance (centroid) from mainland centroid in Year Y = Last complete year in which data was gathered

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Indicator Code	**L3: Town Insularity**
Indicator Name	**Category of Town (city, town, village)** (CT)*
Description	Main Town category in Year N [Desc]
Formula	CT (Y)
	CT = Town category in Year *Y = Last complete year in which data was gathered* ** Categories include (metropolis, large city, small city, town, village, hamlet, isolated units)*

Indicator Code	**L4: Town Insularity**
Indicator Name	**Structural Insularity** - **Metropolis, Satellite, Isolated (Town, Village, Hamlet)** (SIT)
Description	Level of Insularity in Year N [No]
Formula	SIT (Y)
	SIT = Town level of insularity in Year *(category in terms of aggregation – conurbation) in Year* *Y = Last complete year in which data was gathered*

Indicator Code	**L5: Landuse**
Indicator Name	**Main Landuse/Landcover** (MLL)
Description	Main Type of Landuse/Landcover in Year N [No]
Formula	MLL (Y)
	MLL = Main Landuse / landcover as per CLC in Year
	N = Number of Crimes
	Y = Last complete year in which data was gathered

Indicator Code	**L6: Landuse**
Indicator Name	**Secondary Landuse/Landcover** (SLL)
Description	Secondary Type of Landuse/Landcover in Year N [No]
Formula	SLL (Y)
	SLL = Secondary Landuse / landcover as per CLC in Year
	N = Number of Crimes
	Y = Last complete year in which data was gathered

Indicator Code	**L7: Housing**
Indicator Name	**Main Housing Category** (H)
Description	Main Housing Types reported in Year N [No]
Formula	H = NH (Y)
	H = Main Housing Categories in Year
	NH = Number of Residential Units by Type
	Y = Last complete year in which data was gathered

Indicator Code	**L8: Housing**
Indicator Name	**Housing Availability – Emigration Driver** (HAR)
Description	Proportion of Vacant Housing in comparison to Total Housing reported in Year N [%]
Formula	HAR = VH / H (Y) *100

HAR = Rate of Housing Availability
VH = Vacant Housing Categories in Year
H = Main Housing Categories in Year
Y = Last complete year in which data was gathered

Indicator Code	**L9: Status**
Indicator Name	**Dilapidation/Ruins** (DRR)
Description	Proportion of Dilapidated Buildings / Ruins in comparison to Total Buildings reported in Year N [%]
Formula	DRR = DR / TotB (Y) *100

DRR = Rate of dilapidated Buildings / ruins
DR = Number of dilapidated Buildings / ruins
TotB = Total Number of Buildings
Y = Last complete year in which data was gathered

Indicator Code	**L10: Status**
Indicator Name	**Rustbelt/Sunshine Status** (RSS)
Description	Industrial Status of Town [Desc]
Formula	Descriptive

Old Rustbelt
New Rustbelt
Old Sunshine
New Sunshine
Other

Indicator Code	**L11: Transport**
Indicator Name	**Distance to main Island City** (DMC)
Description	Distance to nearest Island City in Year N [Km]
Formula	DMC (Y)
	DMC = Town Distance (centroid) from island city centroid in Year Y = Last complete year in which data was gathered

Indicator Code	**L12: Transport**
Indicator Name	**Distance to State Capital City** (DSC)
Description	Distance to the State Capital City in Year N [Km]
Formula	DSC (Y)
	DSC = Town Distance (centroid) from State Capital city centroid in Year Y = Last complete year in which data was gathered