



**Police – Private Partnership
to Tackle Metal Theft**

WS 3 – Law enforcement utilising existing legislation

Rui Moura – GNR (Portugal)





GNR

GUARDA NACIONAL REPUBLICANA

Metal theft in Portugal

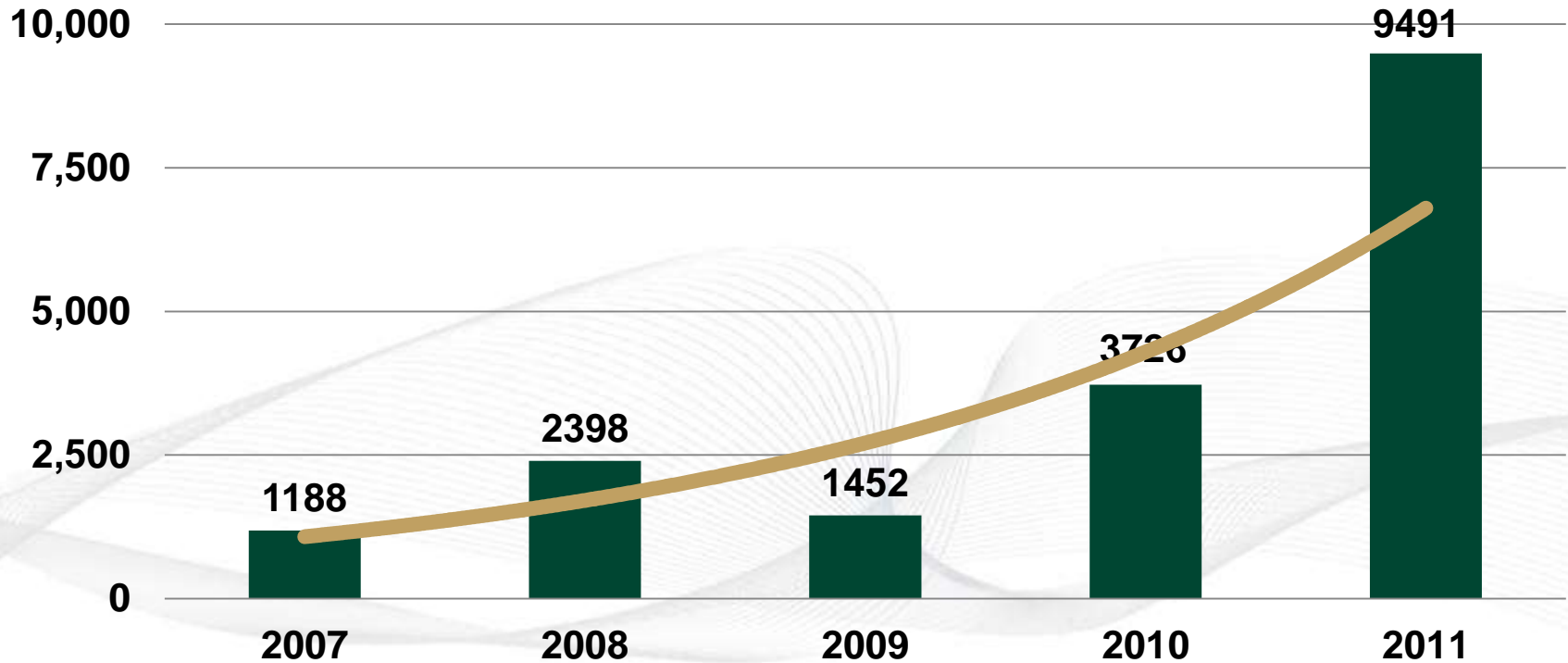
Major General Rui Moura



A growing problem



Metal theft incidents (GNR area – 94% of territory)



What is being stolen?



Copper wire

What is being stolen?



Irrigation systems

What is being stolen?



**Materials from
construction sites**

What is being stolen?



**Materials from
abandoned houses**

What is being stolen?



Railways

What is being stolen?



Electric transformers

What is being stolen?



Piping

What is being stolen?



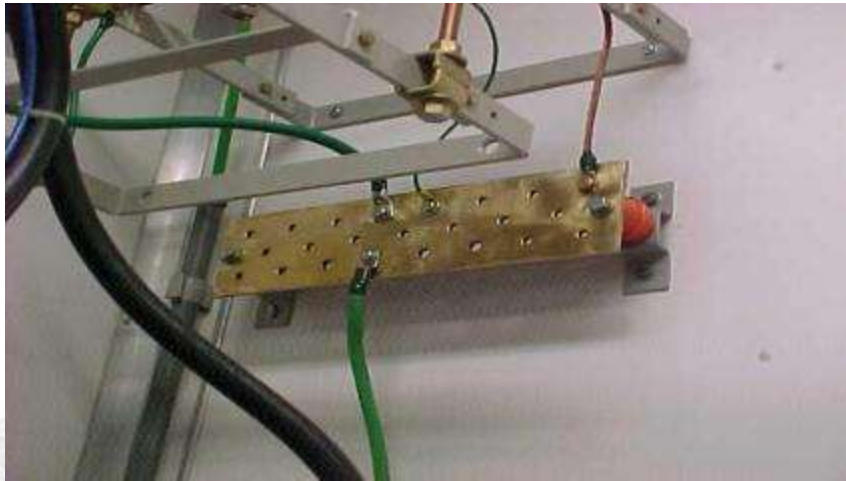
Roofs

What is being stolen?



Batteries

What is being stolen?



Ground connections

What is being stolen?



Busts and statues

What is being stolen?



Church bells

What is being stolen?



**Memorials from
cemeteries**

What is being stolen?



Statuary

What is being stolen?



Grates

What is being stolen?



**Highway security
barriers**

What is being stolen?



**Information panels
and road signs**

What is being stolen?



Metal mesh fencing

What is being stolen?



**Manhole
covers**

Damage is 50 times the value of the metal stolen



Media coverage



Television



Newspapers

12 | PORTUGAL | Quarta-feira, 02.03.2011 | COM

UISEU ■ DUPLA TAMBÉM É SUSPEITA DE ASSALTAR RESIDÊNCIAS



Os assaltantes derrubavam os postes da FT com uma motosserra para depois retirar o fio de cobre

Roubam cobre com motosserra

Seis aldeias ficaram sem comunicações nos últimos dois meses devido aos assaltantes

■ LUIS OLIVEIRA

Uma motosserra usa a "energia" movida por dois motores (uma abscritura posita da FT e outra a do fio de cobre). Os assaltantes, de 20 a 30 anos, foram detidos pela CGPJ e os dois responsáveis por, pela primeira vez, se foram de casa, com o GNR a detê-los em casa, em Aldeia de Trancoso, Trancoso, e foi o primeiro assalto de alguma aldeia, em 1998, quando a motosserra cortava o fio de cobre dos postes da FT e roubava o cobre. O GNR, que estava de folga e trabalhava fora de casa, em Aldeia de Trancoso, Trancoso, e foi o primeiro assalto de alguma aldeia, em 1998, quando a motosserra cortava o fio de cobre dos postes da FT e roubava o cobre.

Dupla perseguida por militar da GNR de folga

Os assaltantes derrubavam os postes da FT com uma motosserra para depois retirar o fio de cobre

Os assaltantes derrubavam os postes da FT com uma motosserra para depois retirar o fio de cobre

GNR



GNR
GUARDA NACIONAL REPUBLICANA

Why GNR?



Why Guarda Nacional Republicana?

Responsible for:

94% of country area

54% of population

40% of the cities

96% of the villages

98% roads

99% highways



National Defence



AP



EP



FAP



GNR

Internal Security



PSP



PJ



SEF



SIS

Military Forces



National Defence



AP



EP



FAP



GNR

Internal Security



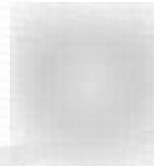
PSP



PJ



SEF



SIS

Law Enforcement Agencies

National Defence

AP

EP

FAP



GNR

Internal Security



PSP



PJ



SEF



SIS

LEA of military nature



National Defence

Internal Security

AP

EP

FAP



GNR

PSP

PJ

SEF

SIS

Civil Protection

GNR CAPABILITIES



GNR Strategy



Cooperation and partnerships

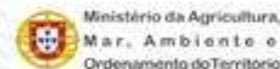
- Develop partnerships between LEA and the private sector
- Improve communication between LEA and the "victims"
- Improve liaison and cooperation between LEA and the "victims"
- Develop partnerships with international organisations - EUROPOL, Pol-PRIMETT, Spain Guardia Civil, etc.
- Share best practices

TO REDUCE METAL THEFT

Collaborative Work



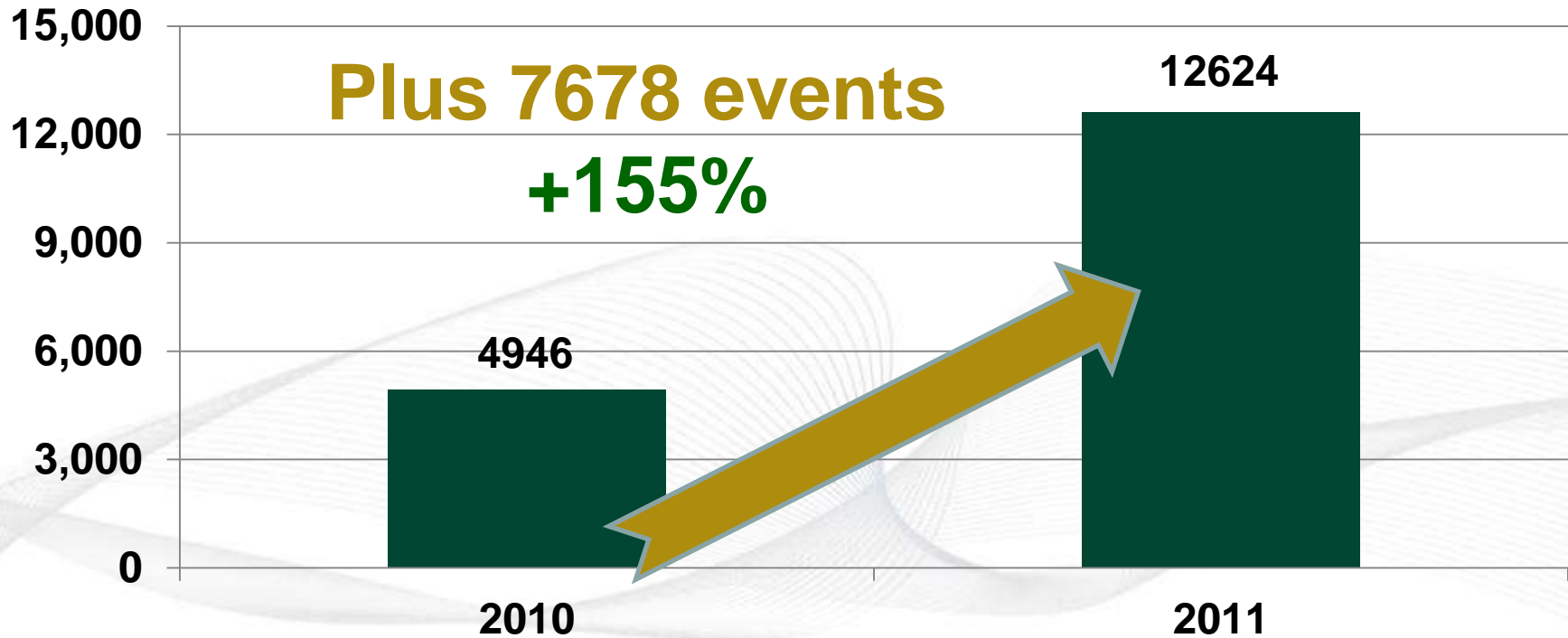
Collaborative Work



METAL THEFT SITUATION

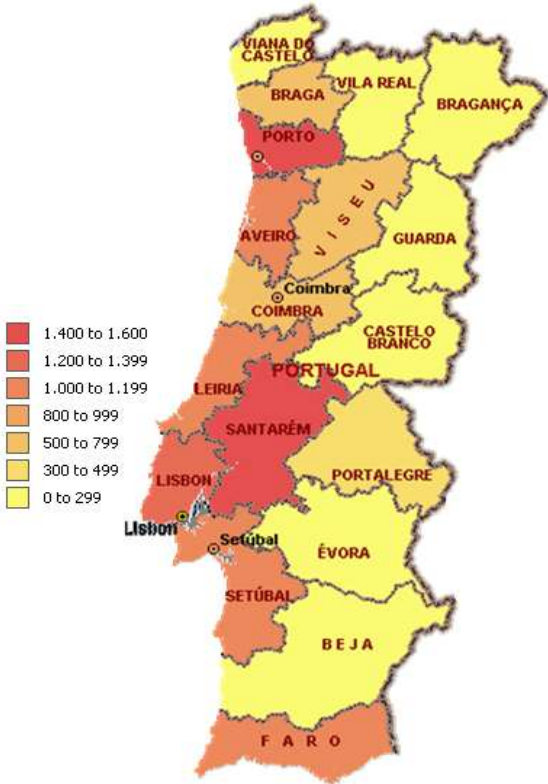


Metal Theft Crime 2010- 2011

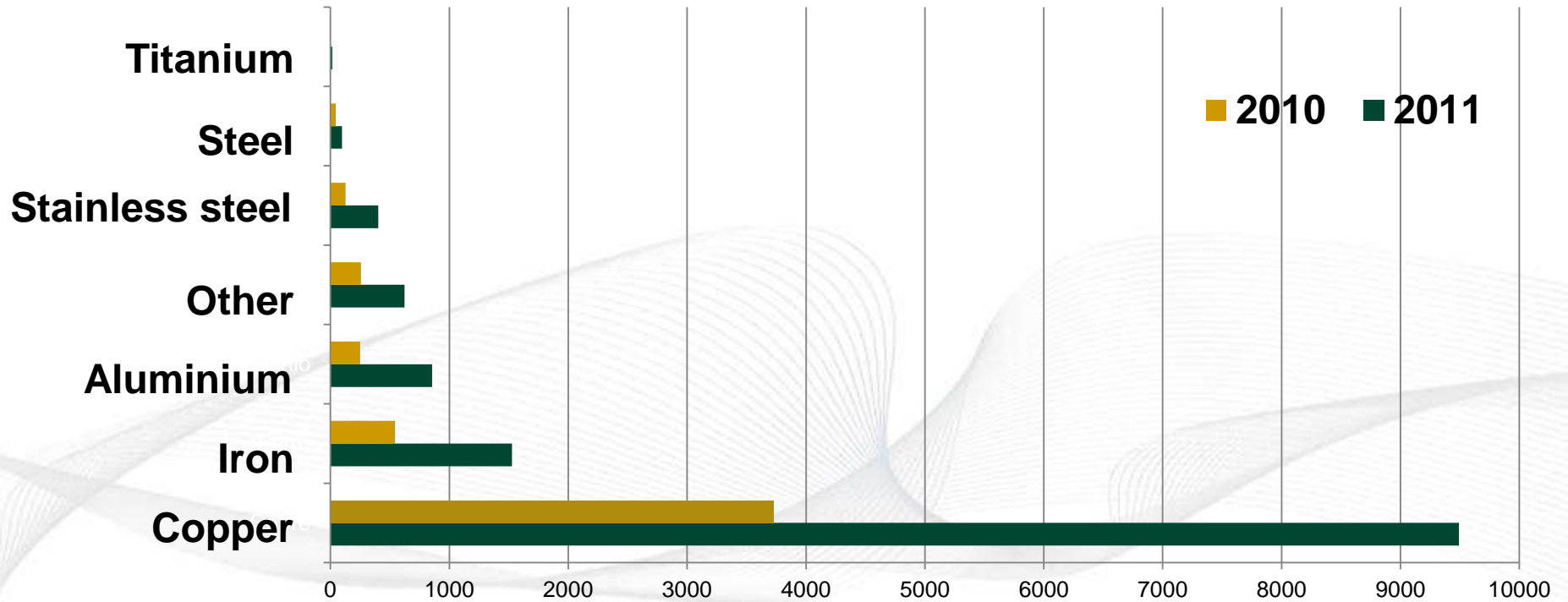




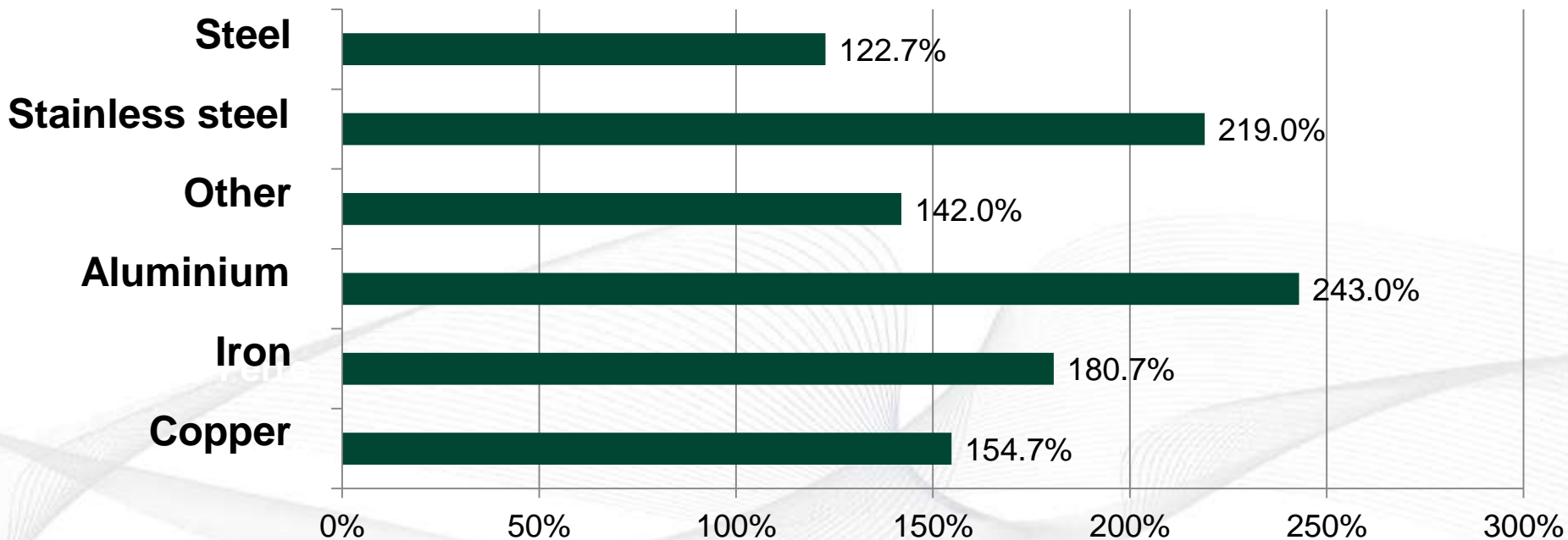
Metal Theft Geographical Distribution 2011



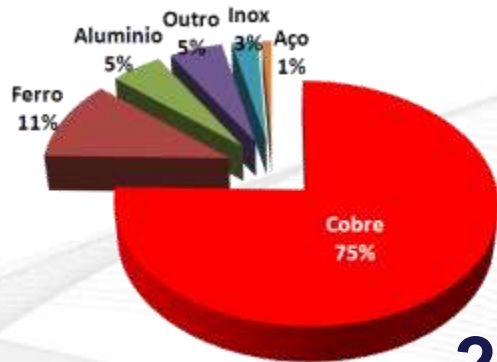
Metal theft events



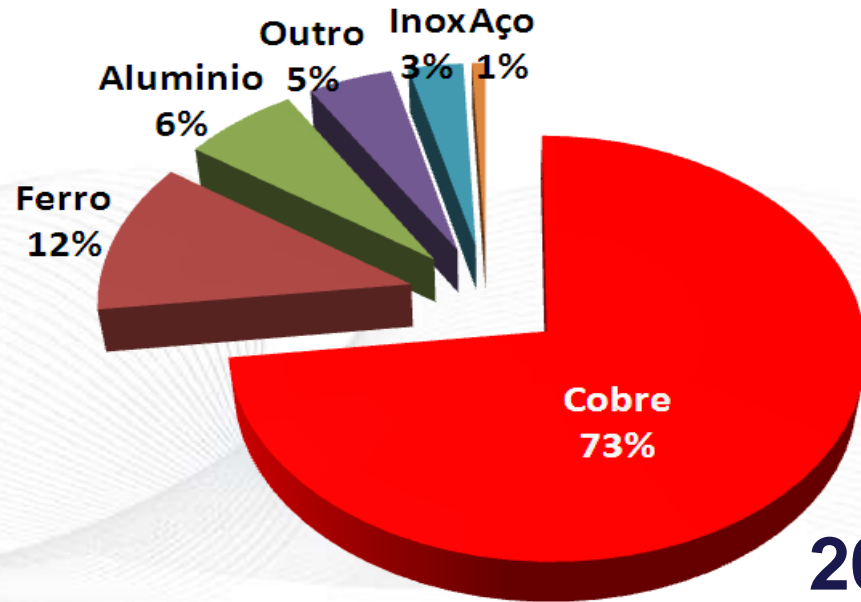
Metal theft evolution 2010-2011



Metals stolen



2010



2011

Criminal profile



- **Portuguese citizen**
- **Youth (age – 21 to 40)**
- **Unemployed (large majority)**

Modus Operandi



- **Night crime**
- **Isolated places**
- **Preferential targets:**
 - **Telecom wires and energy power network**
 - **Farms**
 - **Public interest objects**

Metal theft profile



- **Trade of metal by cash**
- **Metal transformed and reintroduced in the market**
- **High level of profits**
- **Economic crime and money laundry**

GNR STRATEGY



GNR Strategy



LOCAL PARTNERSHIP LEIRIA DISTRICT

GNR – PORTUGUESE TELECOM



- *Direct SMS or email alert to GNR Situation Room in case of an event*
- *Use of a common layout protocol to communicate an event – based on CAP (Common Alerting Protocol)*
- *Patrols directed to event location*

LOCAL PARTNERSHIP SANTARÉM DISTRICT

GNR – EDP - FARMERS

-GNR

- *Farmer associations*

- *EDP – Electricity of Portugal*



CAMPO SEGURO MOU – PSAT

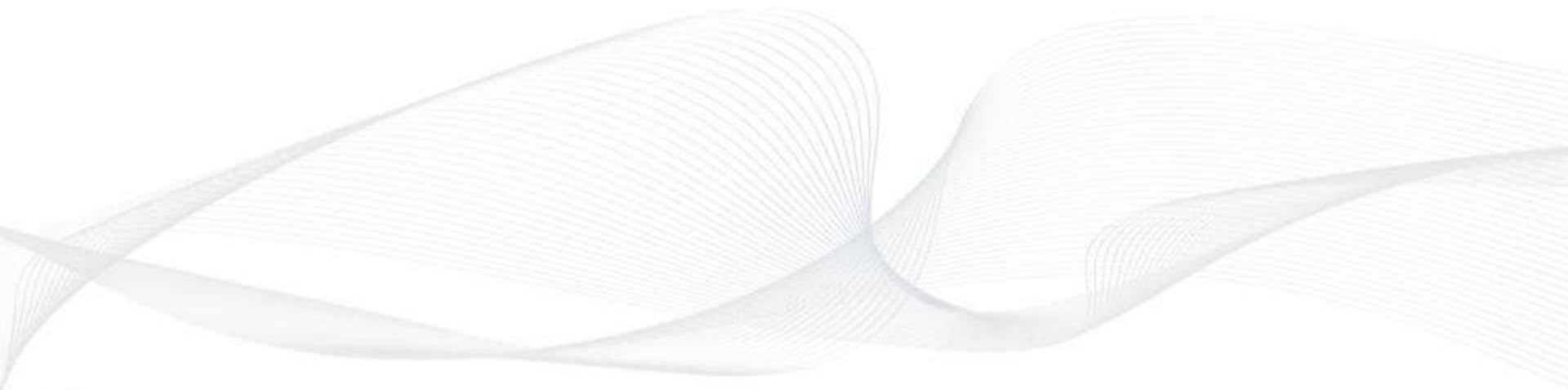
MOU signed November 2011

- Ministry of Home Affairs
- EDP Distribuição – Power networks
- EDP Renováveis Portugal - Renewables
- REFER - Railways
- PT - Telecom
- EPAL - Water distribution

- Open to others



CAMPO SEGURO OPERATION



CAMPO SEGURO OPERATION

CAMPO SEGURO OPERATION **01 February to 01 March 2012**

GNR country wide operation to inform and alert farmers on the issue of metal theft

Meetings and information sessions with farmer associations and individual farmers

Door-to-door contact with farmers

Handouts delivery

ATENÇÃO:

A maior parte dos furtos são facilitados pela desatenção e descuido da própria vítima.

Tenha presente:

A ocasião faz o ladrão.

Através destes conselhos a Guarda Nacional Republicana diz-lhe como agir correctamente e ajuda-o a tomar algumas medidas simples e adequadas para diminuir o risco de assaltos.

NÃO ESPERE: É preferível proteger-se do roubo que deixar-se roubar.

Os seus pertences são parte da sua vida.

Para comunicar um crime em curso ou qualquer atividade suspeita, marque imediatamente o número de telefone do Posto da **GNR** mais perto da sua residência, para o **112** ou para o Centro de Comando e Controlo Operacional (**CCCO**) da

Guarda Nacional Republicana

através do número de telefone:

213 217 070

Permaneça em linha e siga as instruções transmitidas.

Ponto de contacto da GNR na sua área de residência:





Guarda Nacional Republicana

Uma Força

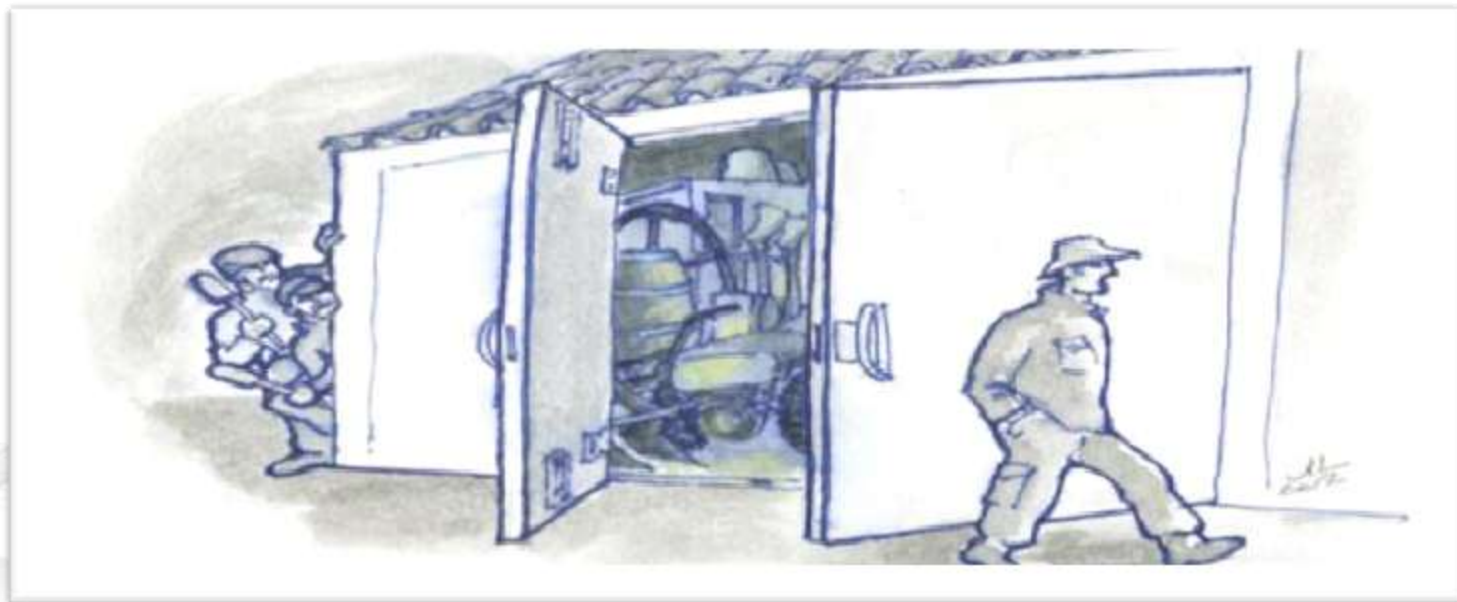
Humana, Próxima e de Confiança

GNR

PREVENÇÃO DO FURTO DE METAIS NÃO PRECIOSOS

CONSELHOS AOS AGRICULTORES

HANDOUTS



Store away and lock your equipment

HANDOUTS



Use chains and padlocks

HANDOUTS



Do not leave vehicles unattended

COLABORATION WITH RECICLER'S ASSOCIATION

Magazine



APOGER



GNR daily mission

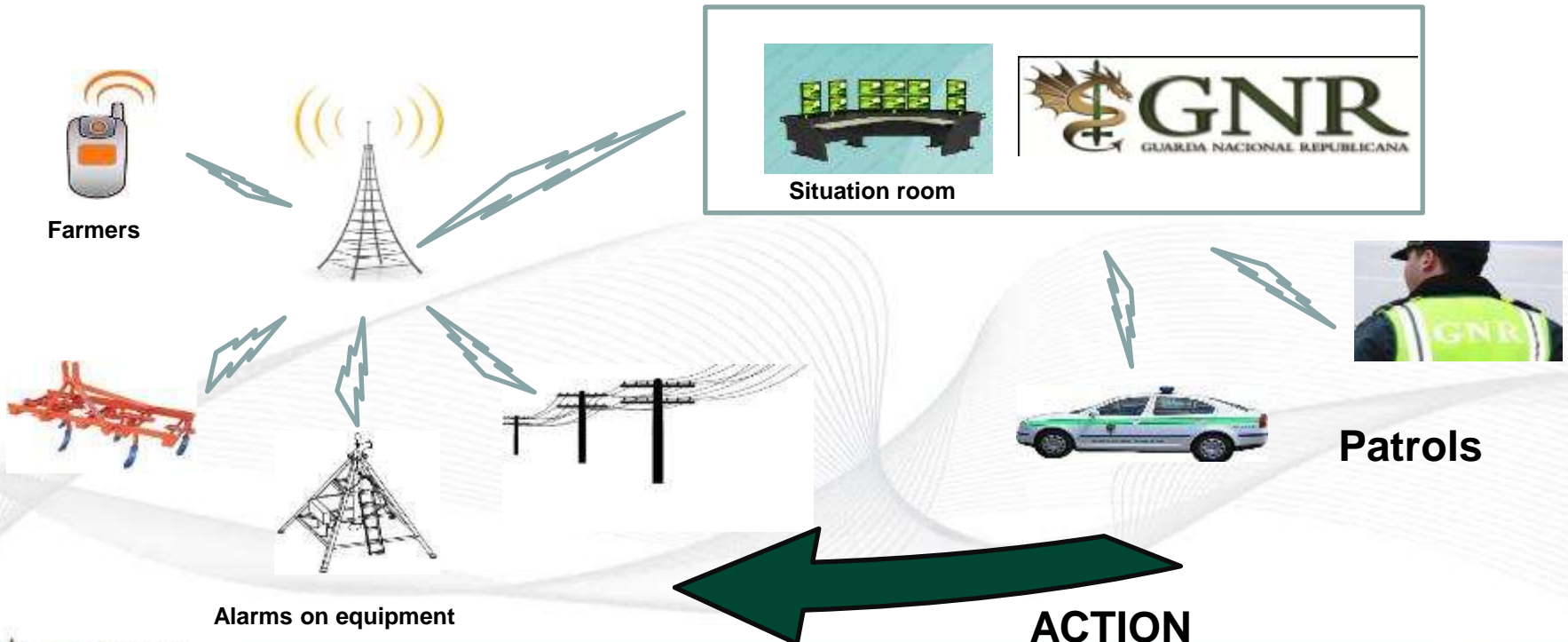


- Daily patrolling
- Environmental control
- Road traffic control
- Tax and customs control

GNR Strategy



CAMPO SEGURO



Farmers

Situation room



Alarms on equipment

Patrols

ACTION

CAP v1.2Extended

Alert
Message ID (identifier)
Sender ID (sender)
Sent Date/Time (sent)
Message Status (status)
Message Type (msgType)
Source (source)
Scope (scope)
Restriction (restriction)
Addresses (addresses)
Handling Code (code)*
Note (note)
Reference IDs (references)
Incident IDs (incidents)

CAP message have 14 mandatory elements (written in blue in diagram).

Elements shaded in yellow were added to CAP because of the specificity of Metal Theft, giving rise to the **CAP v1.2 Extended**.

Elements marked with * can have multiple instances.

Info
Language (language)
Event Category (category)*
Event Type (event)
Response Type (responseType)*
Urgency (urgency)
Severity (severity)
Certainty (certainty)
Audience (audience)
Event Code (eventCode)*
Effective Date/Time (effective)
Onset Date/Time (onset)
Expiration Date/Time (expires)
Sender Name (senderName)
Headline (headline)
Event Description (description)
Instructions (instruction)
Information URL (web)
Contact Info (contact)
Parameter (parameter)*
Modus Operandi (modusOperandi)
Number of Authors (numberAuthors)
Material Type (materialType)
Object Type (objectType)
Place Type (placeType)
Weight of Material (weightMaterial)
Length Material (lengthMaterial)
Security Measures (securityMeasures)
Alarm Equipment (alarmEquipment)
Equipment Connected (equipConnected)
Suspect Identification (identSuspect)
Suspect Characteristics (suspectCharacteristics)
Used Vehicles (usedVehicles)
Adopted Measures (adoptedMeasures)

Resource
Description (resourceDesc)
MIME Type (mime Type)
File Size (size)
URI (uri)
Dereferenced URI(derefUri)
Digest (digest)

Area
Area Description (areaDesc)
Area Polygon (polygon)*
Area Circle (circle)*
Area Geocode (geocode)*
Altitude (altitude)
Ceiling (ceiling)

For Metal Theft alert messages it is mandatory to provide information for **ObjectType** and **AdoptedMeasures** elements.

Instant Alert - CAP

Email para sosmetais@gnr.pt :

IDMensagemAlerta:	06052012-44RF01
IDRemetente:	telecom.pt
Evento:	Corte a 4233m da linha Cabo 0101 - Arm.AA
DescriçãoArea:	Carreira da Vila – Reguengo do Fetal
DataHoraEfectiva:	2012-05-06T12:10:00
Coordenadas:	39°38'29.87"N, 8°44'6.87"W
TipoDeObjeto:	Fios Elétricos
MedidasAdotadas:	Queixa na GNR (Comando Territorial de Leiria)

Same example in SMS para **964 454 254**:

06052012-44RF01 ; telecom.pt ; Corte a 4233m da linha Cabo 0101 - Arm.AA ; Carreira da Vila – Reguengo do Fetal ; 2012-05-06T12:10:00 ; 39°38'29.87"N, 8°44'6.87"W ; Fios Elétricos ; Queixa na GNR (Comando Territorial de Leiria)

ON-THE-SPOT RESULTS



Night of 23 December 2011
batteries from a mobile telephone
antenna site were stolen

**All equipment was
recovered on the spot**

*“This success was only possible due to
GNR collaboration and fast intervention.
Many thanks!”*

Email from Paulo Inácio (TMN)

ON-THE-SPOT RESULTS



30 January 2012

Same day recovery of all stolen materials:

44 reels of aluminium

ON-THE-SPOT RESULTS



11 June 2012

Lorry with false licence plates

60 reels of copper

22 tons

€ 220 000

GNR success stories (e.g. JUNE 2012)

- 1st June 2012 – Zebreira Three held for metal thefts
- 4th June 2012 - Carregal do Sal Three arrests following cable theft
- 4th June 2012 - Samora Correia Two arrested for copper theft worth €2,000
- 5th June 2012 – Batalha Metal stolen from quarry
- 5th June 2012 – Lagoa Two youths detained for stealing metal from a disused factory
- 11th June 2012 – Cadaval €200,000 worth of stolen copper recovered
- 11th June 2012 – Amarante Two held for copper theft
- 12th June 2012- Proença-a-Nova Man arrested after stealing from the Town Hall
- 14th June 2012 - Vila Nova de Tazem Two men caught with large rolls of stolen copper wire
- 19th June 2012- Pêro Pinheiro Man caught stealing copper cabling from a telegraph pole
- 20th June 2012- Águeda Man stole copper whilst accompanied by a minor
- 26th June 2012 – Serzedelo Iron pipes and taps stolen
- 27th June 2012 - Cercal do Alentejo Telecommunications cables stolen
- 28th June 2012 – Felgueiras 40 pounds of copper seized
- 29th June 2012 – Portalegre Two arrested following attempted cable theft

GNR success stories (PoI-PRIMETT)

15 metal theft news articles from Guarda Nacional Republicana

Fri, 2012-07-06



The Guarda Nacional Republicana, the Portuguese law enforcement agency, has provided 15 metal theft news articles for June 2012.

Please click on the links below to view the different articles. Please note these articles have been...

GNR Strategy



Investigation



- **2008** - Man arrested in a car with copper wire in the trunk. Following an investigation. He was responsible for multiple thefts (€80 000).
- **2011** - Single largest recovery from a scrap metal dealer in Portugal: 66 tonnes of copper; 13 tonnes of copper wire; 1,5 tonnes of aluminium wire; 6 tonnes of other metals; 51 manhole covers; 100 gas cylinders.
- **2012** – Metal thief sentenced to 7 years in prison and SMD under investigation

Investigation



Summer/Autumn 2011:
Statues robberies in the
District of Aveiro

Early February 2012:
5 arrested
200+ statues recovered

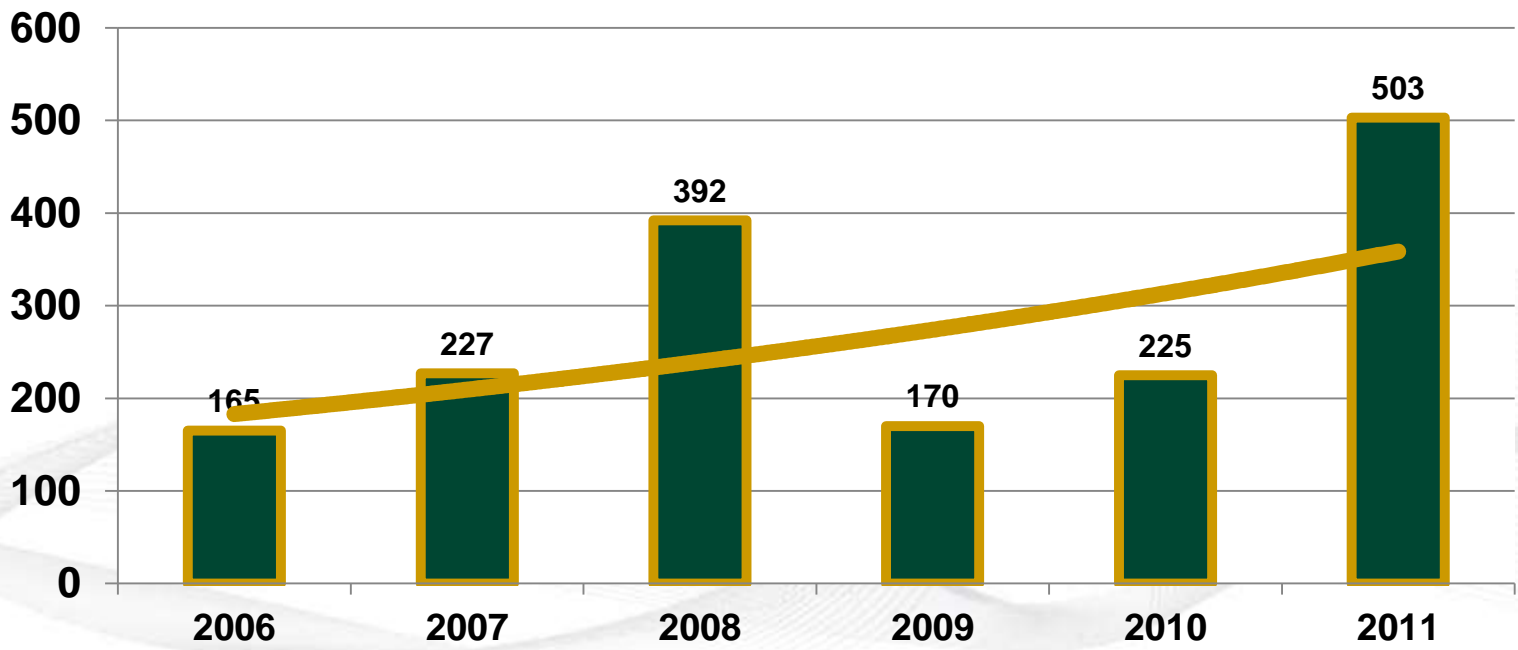
GNR apprehensions in 2011

Metal	Apprehensions	Weight (Kg)
Copper	213	93 139
Iron	112	19 719
Aluminium	33	4 419
Stainless steel	13	210
Steel	8	250
Others	26	354
Total	405	118 091

Arrests of metal thieves



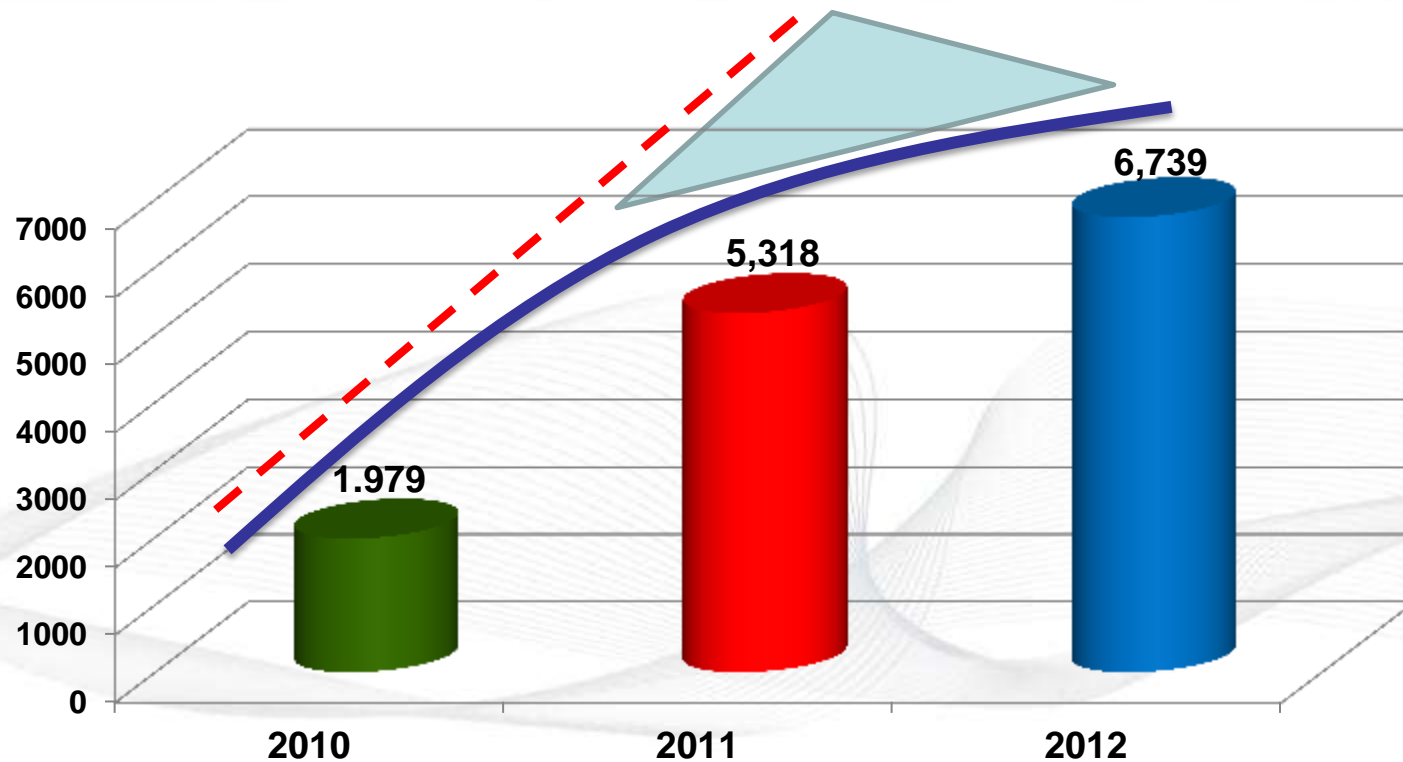
Metal theft related arrests



Detentions on crime participated - GNR

Metal theft

2010 - 2012 (first 5 months)



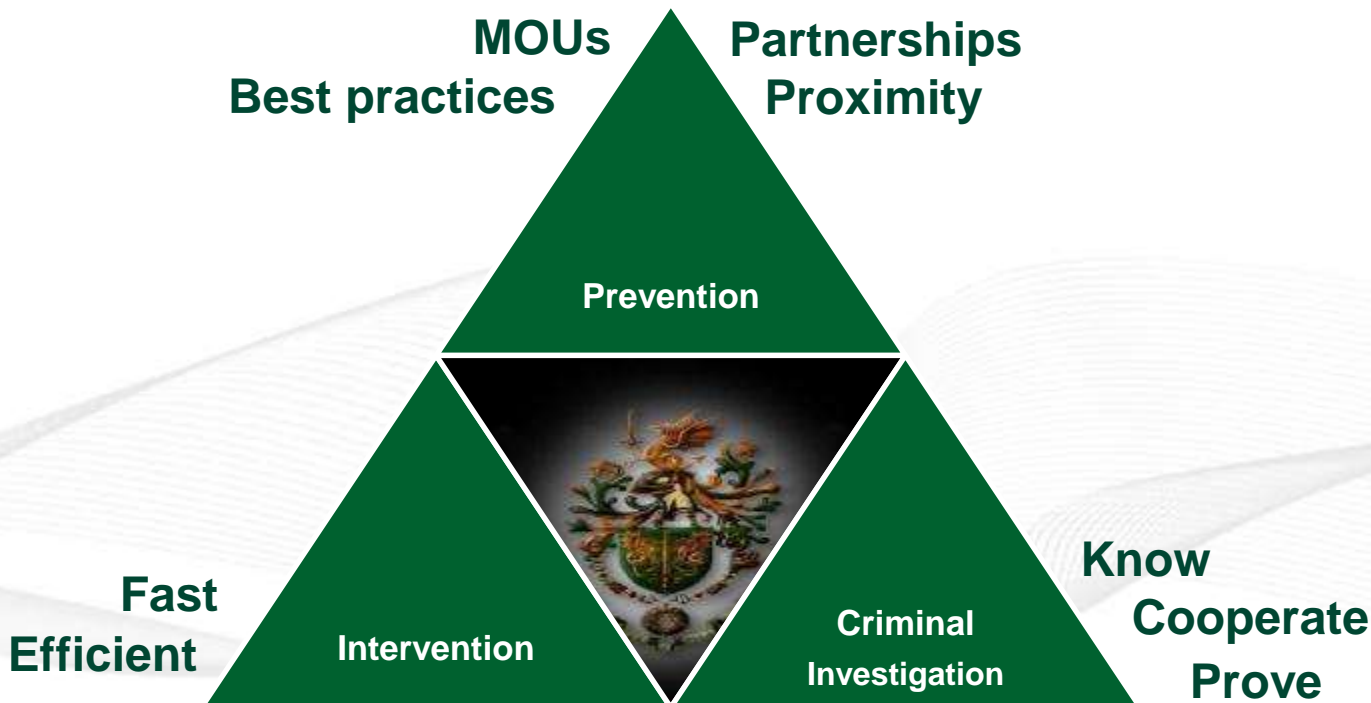
New SMD Law (July 2012)

- Define the means of preventing and combating theft and receiving stolen metals
- Provides additional mechanisms and strengthens the supervision of LEAs
- Includes
 - Installation of security systems at SMDs mandatory (including CCTV)
 - All transactions accurately recorded with additional data
 - Almost cashless model (€50 maximum)
 - 3 days moratorium to recycle
 - Stricter controls on SMDs for LEAs
 - Closing procedures simplified
 - Increased fines

CONCLUSIONS



CONCLUSIONS





GNR

GUARDA NACIONAL REPUBLICANA

Methal theft in Portugal

Major General Rui Moura





**Police – Private Partnership
to Tackle Metal Theft**

WS 3 – Law enforcement utilising existing legislation

Rui Moura – GNR (Portugal)





WS 3 – Law enforcement utilising existing legislation

1. **Identify and share good practice** regarding law enforcement and legislation from across the EU which can be included in Pol-PRIMETT's European Good Practice Guide
2. **Develop** local, national and transnational **public and private sector partnerships** which tackle metal theft
3. **Identify key areas for Pol-PRIMETT future activities**