



Pol-PRIMETT



Tackling Metal Theft

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

A case study of law enforcement

Rui Moura – GNR (Portugal)



With the financial support from the Prevention of and Fight against Crime Programme of the European Union,
European Commission - Directorate-General Home Affairs





GNR

GUARDA NACIONAL REPUBLICANA

GNR and Metal theft in Portugal

Major General Rui Moura

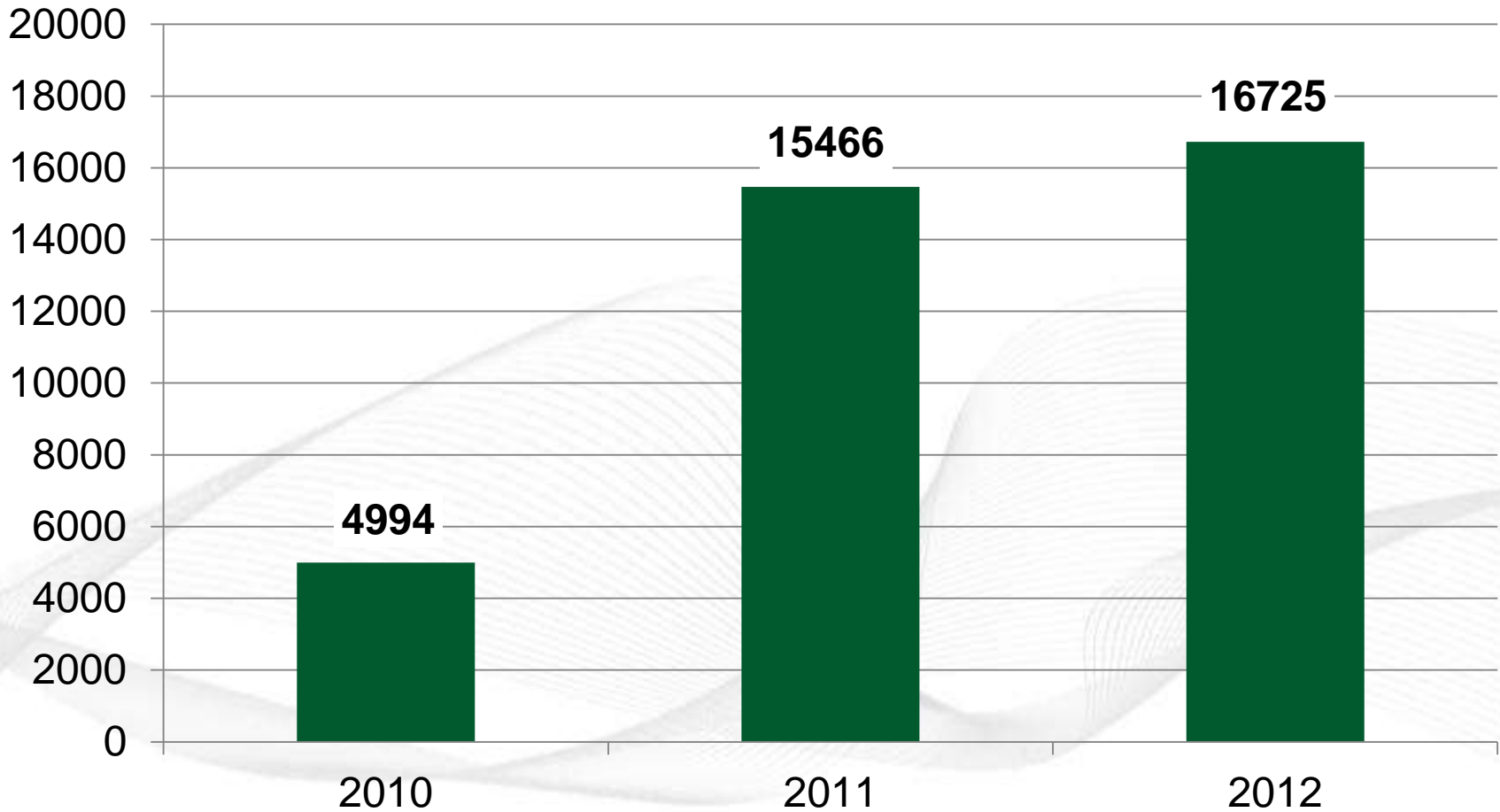


Metal Theft

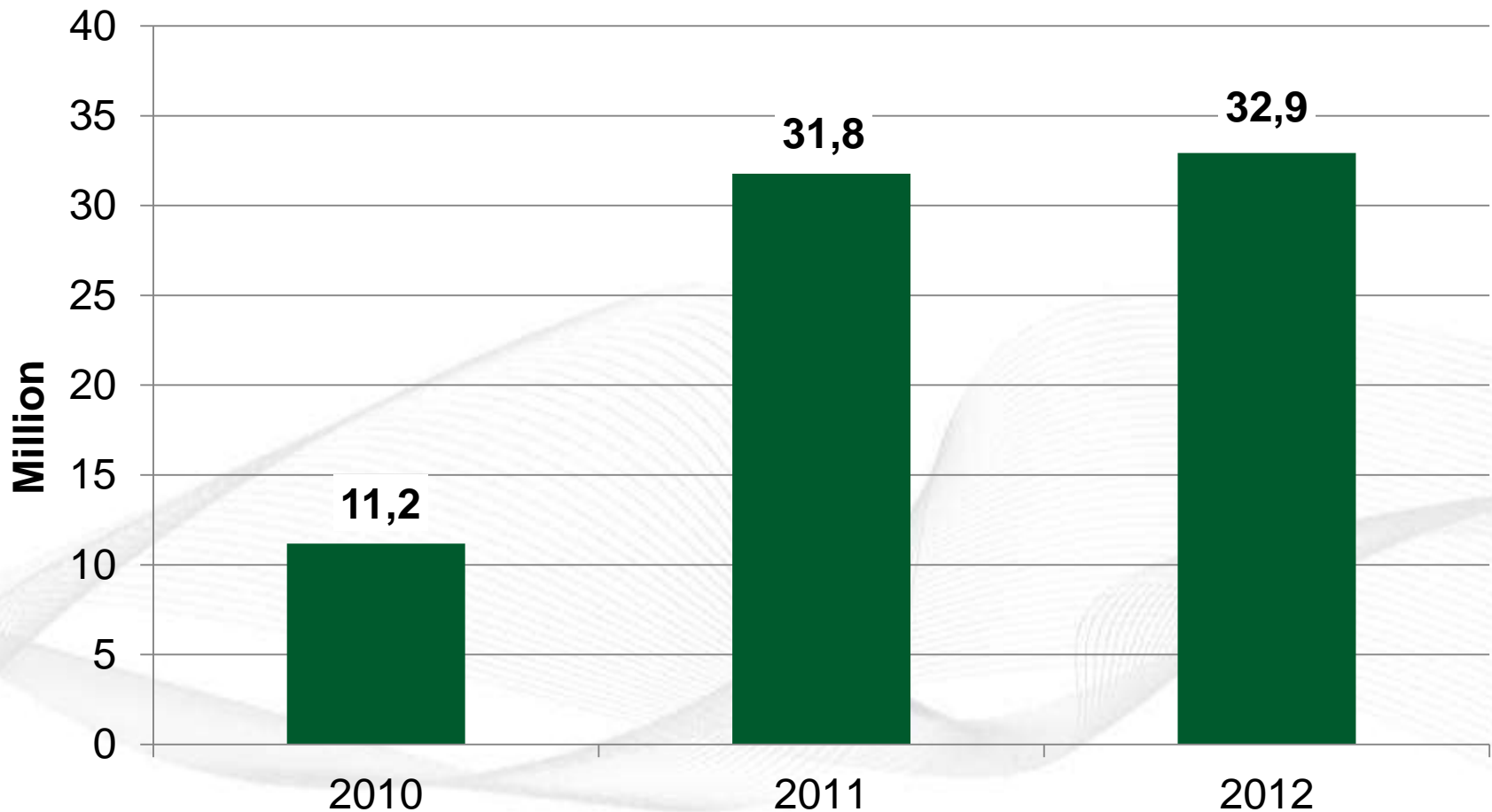
A growing problem



Metal theft in Portugal Offenses



Metal theft in Portugal (in million euros)



Metal Theft

What is being stolen?



What is being stolen?



Copper wire

What is being stolen?



Batteries

What is being stolen?



Electric transformers

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?



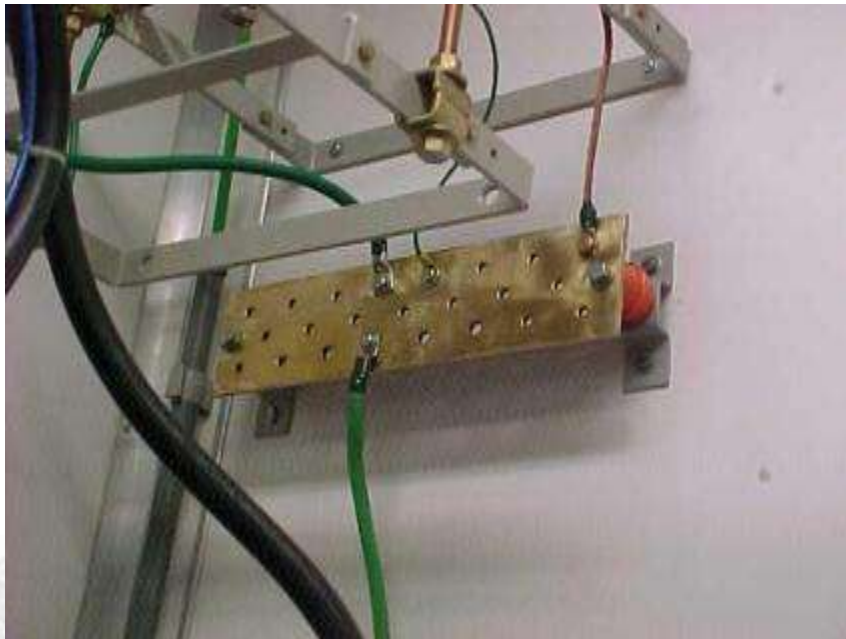
Piping

What is being stolen?



Roofs

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**

GNR

Guarda Nacional Republicana



Why GNR?



Why Guarda Nacional Republicana?

Responsible for:

94% of country area

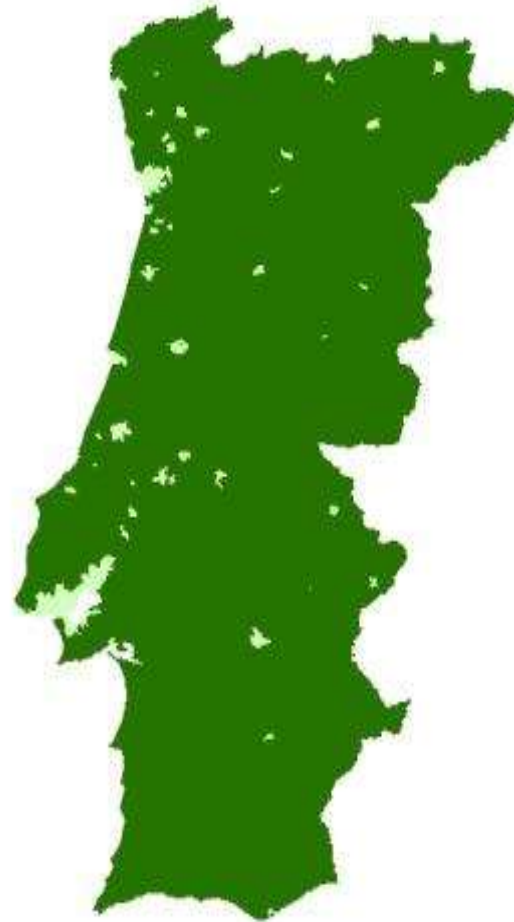
54% of population

40% of the cities

96% of the villages

98% roads

99% highways



LEA of military nature



National Defence



AP



EP



FAP



GNR

Internal Security



PSP



PJ



SEF



SIS

Civil Protection

GNR CAPABILITIES



GNR daily mission

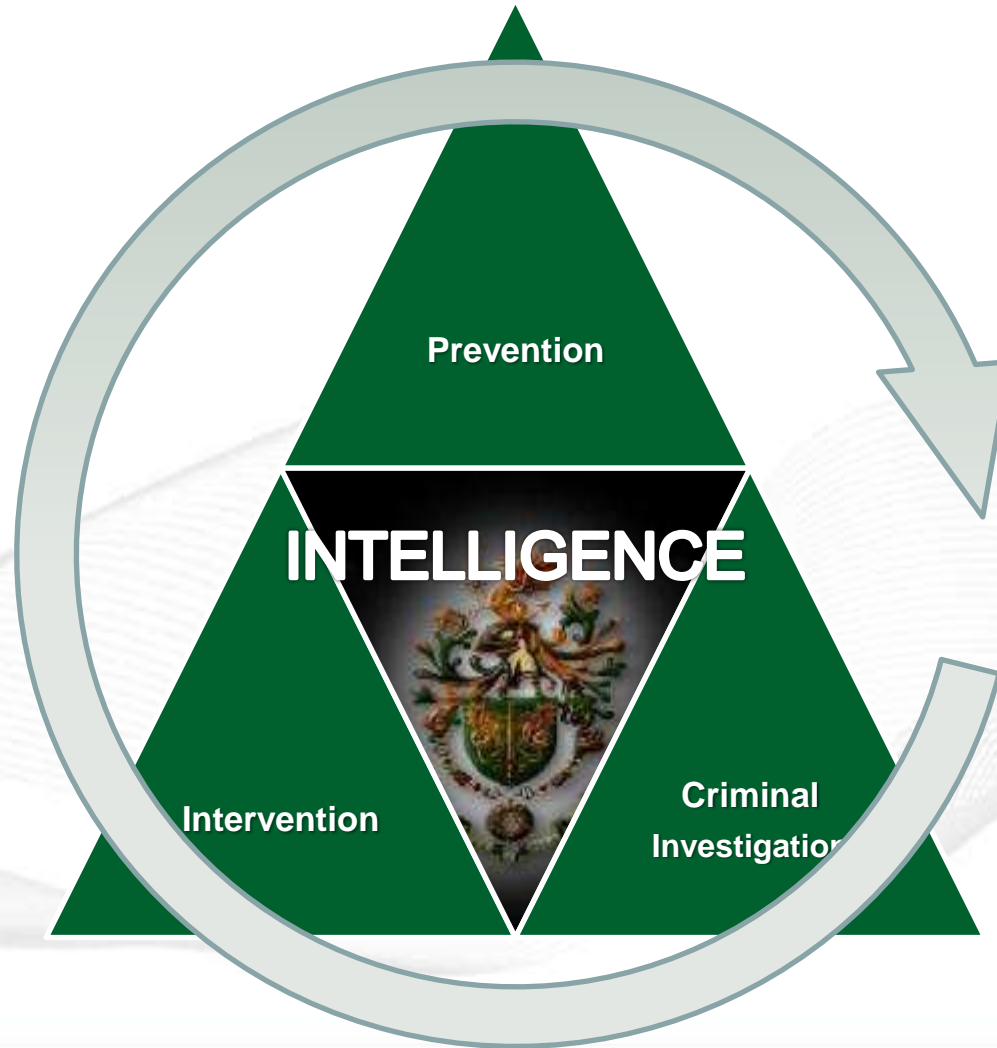
- Daily patrolling
- Road traffic control
- Environmental control
- Tax and customs control
- Criminal investigation



GNR Strategy



GNR Strategy



GNR Cooperation & Partnerships



Cooperation and partnerships

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

TO REDUCE METAL THEFT

Collaborative Work



Collaborative Work



CASE STUDY 1

Prevention in farmlands





MUNICIPALITY OF GOLEGÃ

MUNICIPAL ROADS

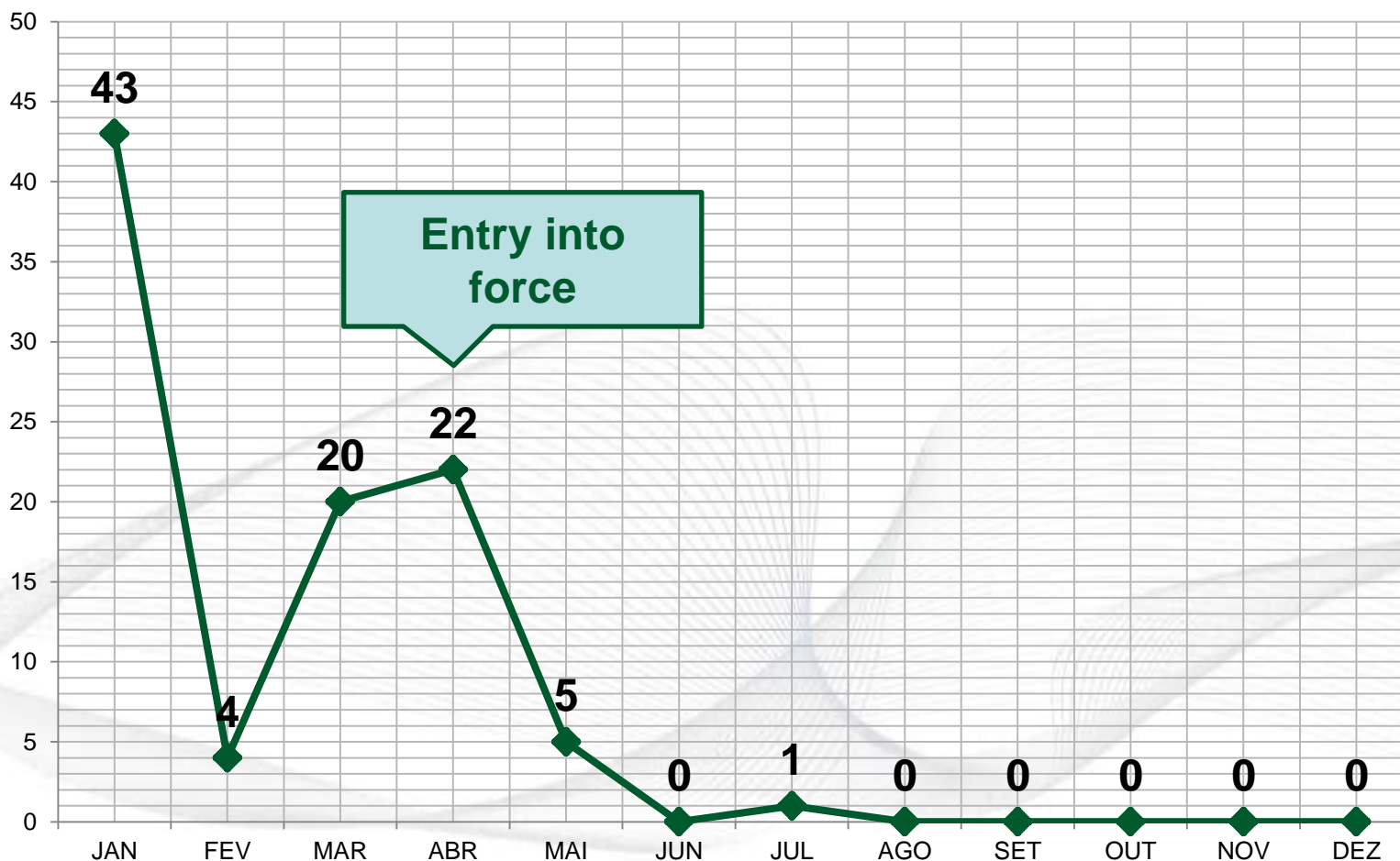
- ❑ Limited traffic from 7p.m to 7a.m.
- ❑ Traffic only authorized if vehicles carry access pass





MUNICIPALITY OF GOLEGÃ

2012 Results (events)



CASE STUDY 2

Prevention with alarms



LOCAL PARTNERSHIP SANTARÉM DISTRICT

RIBATEJO SEGURO

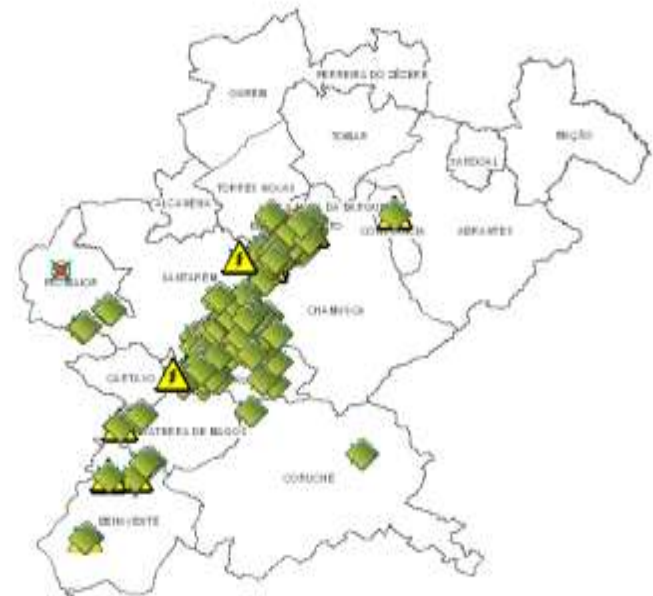


Emergency Geographic Information System of Santarém (SIGES)



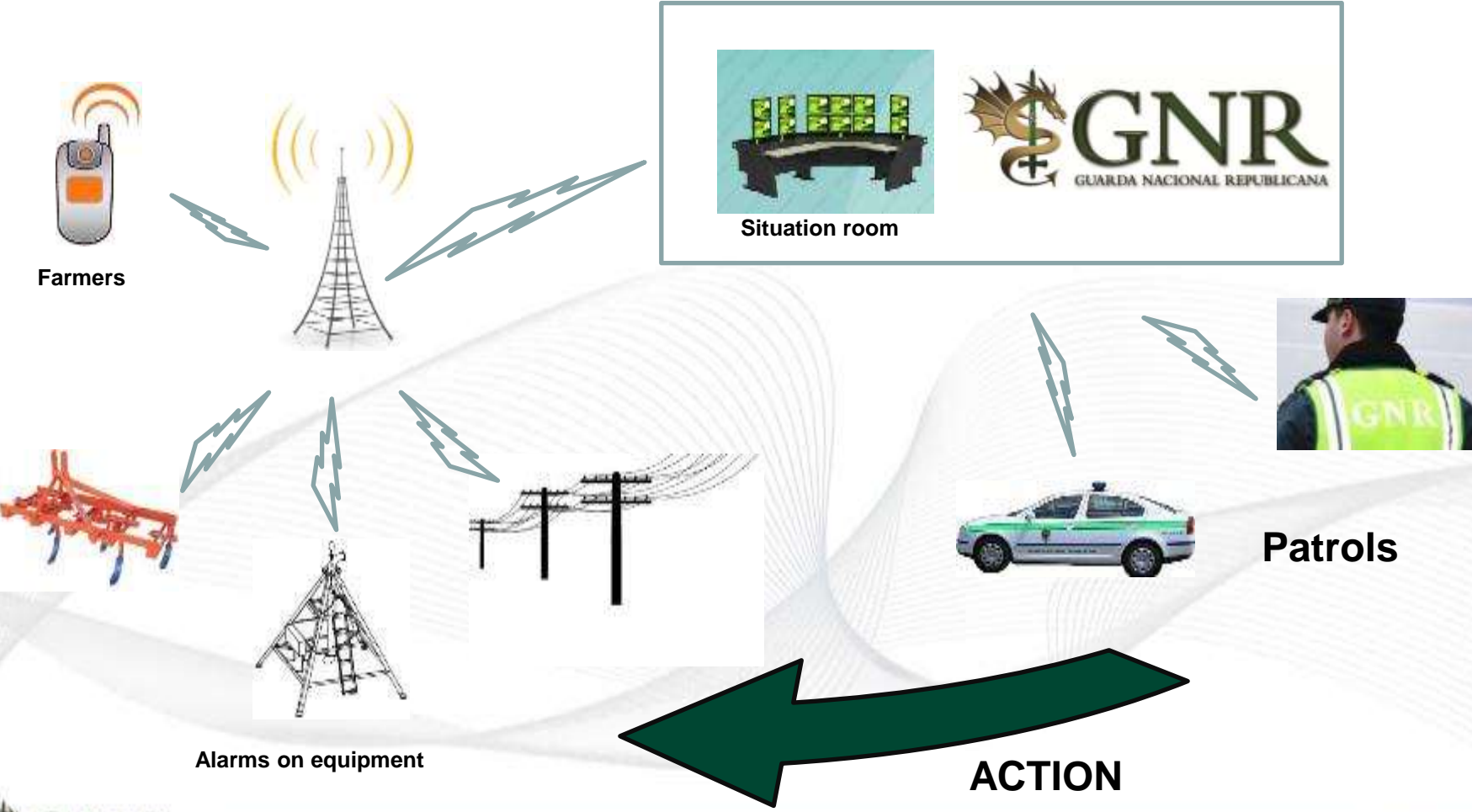
Situation Room

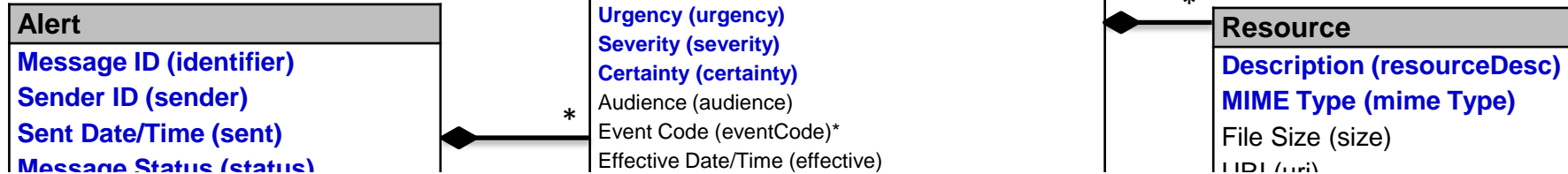
Dedicated resources
Policemen and vehicles



Alarms and Georeference of equipment and infrastructures

CAMPO SEGURO





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

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.

- Security Measures (securityMeasures)
- Alarm Equipment (alarmEquipment)
- Equipment Connected (equipConnected)
- Suspect Identification (identSuspect)
- Suspect Characteristics (suspectCharacteristics)
- Used Vehicles (usedVehicles)
- Adopted Measures (adoptedMeasures)

Ceiling (ceiling)

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

Instant Alert - CAP



Email to **sosmetais@gnr.pt** :

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

Same example as an SMS to **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)

CASE STUDY 3

Intervention with CAP





ID Alerta	AL130522.07025755
Remetente	PT Comunicações
Evento	Corte de cabo a 3879m
Descrição Área	POCEIRAO, SETÚBAL
Data/Hora Efetiva	22-05-2013 3:11:00
Coordenadas	38°39'47,14"N, 8°44'31,37"W
Tipo de Objeto	Fios Elétricos
Medidas Adotadas	Queixa na GNR
AEL	65PO01 - BAIRRO SANTOS JORGE - POCEIRAO
Cabo	0N01
Armário	0N1001
Contacto Info	JOSE ANTONIO DA COSTA GONCALVES - 966393118



“Our thanks to your prompt intervention. Thieves failed to take the cable though caused damage to the infrastructure.”
(email from M.Gafanhoto – PT)

ON-THE-SPOT RESULTS



Night of 23 December 2011
batteries of 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 material:

44 reels of aluminium

ON-THE-SPOT RESULTS



11 June 2012

Lorry with false licence plates

60 reels of copper

22 tons

€ 220 000

CASE STUDY 4

Intervention in the railway



REFER – Impedance Boxes



10 kilos of copper





BOX THEFTS 2012

93% of all thefts happened in a stretch of 60 km of railway

Line of Vendas Novas

From Jan 1st to Sep 30th

117 boxes

€ 400 000

3 boxes recovered
one man detained

From Sep 30th

0 boxes

CASE STUDY 5

Intervention in SMDs



New SMD Law (December 2012)



PRESIDÊNCIA DO CONSELHO DE MINISTROS

- Define the means of preventing and combating theft and receiving stolen metals
- Provides additional mechanisms and strengthens the supervision of LEA
- 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



Operation VERDETE (VERDIGRIS)

- **SCRAP METAL DEALERS**

In 6 months (from Dec 1st 2012 until May 31st 2013)

- Inspected 214
- Offenses 85
- Closed down 19



CASE STUDY 5

Criminal investigation





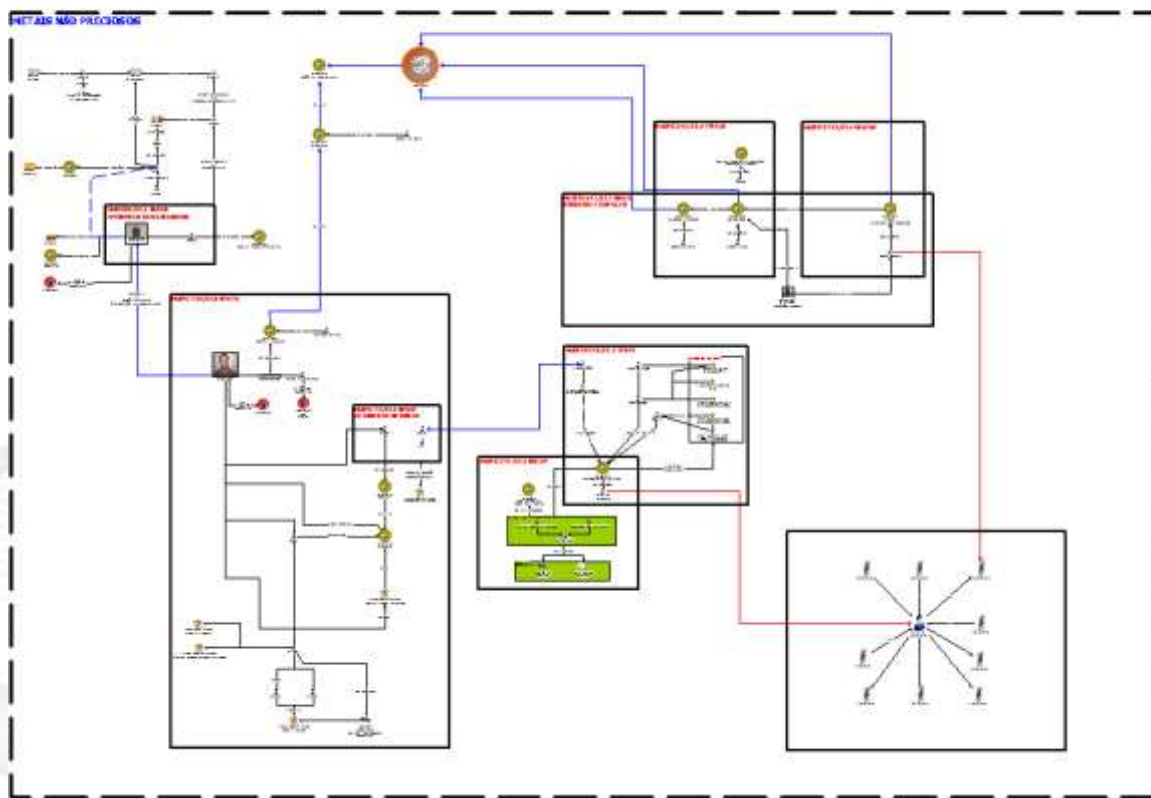
Operation Linha Segura



- Investigation began in March 2013
- Area of Great Lisbon
- Only Portugal Telecom (PT) cable
- Only non-active or redundant cable between PT hubs
- Specialist work (electricians) using PT uniforms
- Special tools
- Special vans using PT logo
- Only very large copper cable with lead insulation
- Thursdays and Sunday nights
- Cable transported to a warehouse
- Cut down, striped and shredded
- Transported to a legal Recycling Company



DIREÇÃO E INVESTIGAÇÃO CRIMINAL
REPARTIÇÃO DE ANÁLISE DE INFORMAÇÃO CRIMINAL
DIAGRAMA DE CONHECIMENTO





Operation Linha Segura



- 13 Detained (all brasilians)
- 9 search warrants
- 9 vehicles apprehended
- 20 tons of copper
- 5 tons of copper
- 7 tons of lead
- 3 heavy machines
- 10 000€

Organised crime, agravated theft and receiving stolen goods



INFORMER

NIGHT WORK

WAREHOUSE

RECYCLER



€ 1 700 000

financial transactions in 3 months





RVO
Reciclagem Valorização
Outeirense, Ida.



website language



Empresa
quem somos

Recursos
os nossos meios

Áreas De Actividade
que fazemos

Produtos
o que comercializamos

Ambiente
ambiente

Notícias
novidades

Contactos
encontrar-nos



APRESENTAÇÃO

Somos uma empresa dedicada à reciclagem, valorização e comércio de resíduos e desperdícios metálicos, ferrosos e não ferrosos.



RECURSOS

A RVO dispõe de recursos com elevados níveis de desempenho tomando-a fortemente competitiva ao nível de preço e da capacidade de resposta.



PRODUTOS

Consulte a nossa secção de produtos e fique a conhecer o que fazemos e o que lhe podemos disponibilizar.



AMBIENTE

A RVO está licenciada para a realização de operações de gestão de resíduos através do Alvará de Licença n.º 40/2009, emitido pela CDRLVT.



Renovação do estatuto PME Líder

A RVO foi novamente distinguida pela qualidade do seu desempenho e perfil de risco, com o estatuto d...



Filiação no Bureau of Internacional Recycling (BIR)

No sentido de desenvolver novos contactos comerciais e explorar o mercado, a RVO tomou-se recentemente...

Interior of van



Copper wire in the warehouse



Hydraulic scissor



Stripping machine



Grinding machine



Cable



Lead



Copper wire



Furnace to burn wire



Burned wire



CONCLUSION



CONCLUSION



FUTURE

- Bring more public/private agencies to partnership mainstream
- Improve information and best practices sharing
- Increase awareness and adoption of preventive measures at all levels
- Support prosecutors to take to court well established cases of organised criminality
- Enhance influence for a better sector regulation of SMD
- Increase cooperation with other Member States

TO REDUCE METAL THEFT



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