



Bureau of
International
Recycling

POL-PRIMETT FINAL CONFERENCE LONDON

by Ross Bartley

BIR Environmental & Technical Director

BIR'S DIVERSIFIED COMMODITY STRUCTURE

4 Commodity Divisions:



Ferrous
metals



Non-ferrous
metals



Textiles

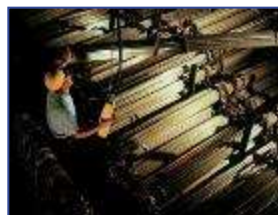


Paper

3 Commodity Committees:



Plastics



Stainless steel &
special alloys



Tyres

OUR 'NORMAL' RELATIONSHIPS & TOPICS



Basel Convention

Framework for the Environmentally Sound Management of Hazardous Wastes and Other Wastes

Stockholm Convention

Best Available Techniques – Best Environmental Practices – BAT BEP



IAEA

International Atomic Energy Agency

Draft Code of Conduct on the Transboundary Movement of Radioactive Material Inadvertently Incorporated into Scrap Metal and Semi-Finished Products of the Metal Recycling Industries



Working Party on Resource Productivity and Waste

Recommendation on Environmentally Sound Management C(2004)100

Sustainable Materials Management

Extended Producer Responsibility

EUROPEAN FEDERATIONS ADMINISTERED BY BIR



EUROMETREC

European Metal Trade & Recycling Federation

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E-mail: EUROMETREC@EUROMETREC.ORG

Web: WWW.EUROMETREC.ORG

EFR

European Ferrous Recovery & Recycling
Federation

Tel: +32 2 627 5771

E-mail: efr@efr2.org

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European Recovered Paper Association

Tel. c/o BIR: +32 2 627 5770

E-mail c/o BIR: BIR@BIR.ORG

Web: WWW.ERPA.INFO

SUPPORTER



Pol-PRIMETT



Tackling Metal Theft

SUPPORTER



Pol-PRIMETT is an EU funded project

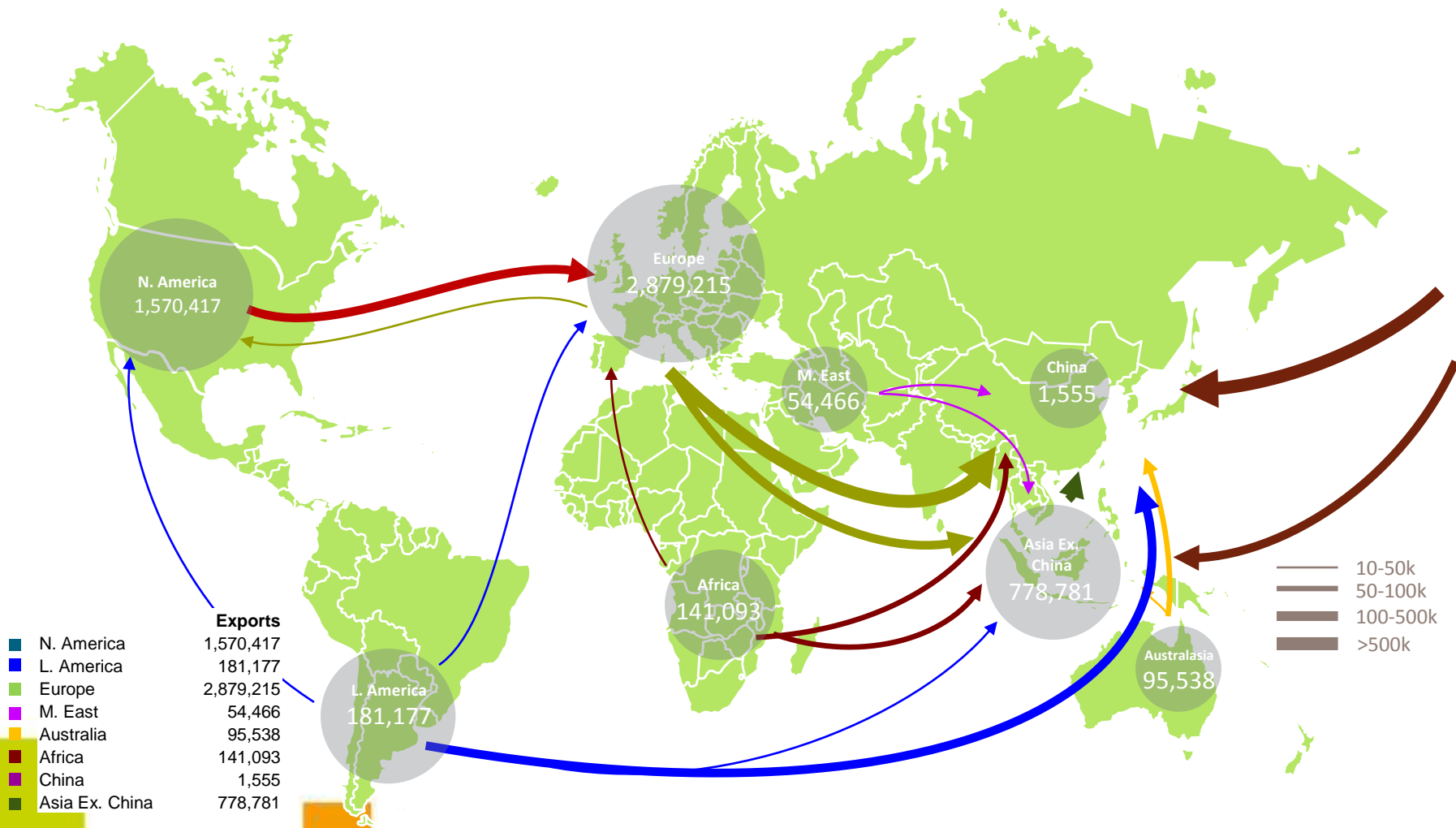
Some partner countries in Pol-PRIMETT do not have scrap metal associations affiliated to the European Federations EFR and or EUROMETREC. EFR and EUROMETREC could not fully represent their interests. However those national associations are affiliated to the World Federation, BIR

Change-over from BIR to EUROMETREC for Pol-PRIMETT II

Due to increased affiliation to EUROMETREC and a de facto focus on the theft of non-ferrous metals, EUROMETREC will represent the recycling sectors interests for Pol-PRIMETT II

copper scrap trade– 2011

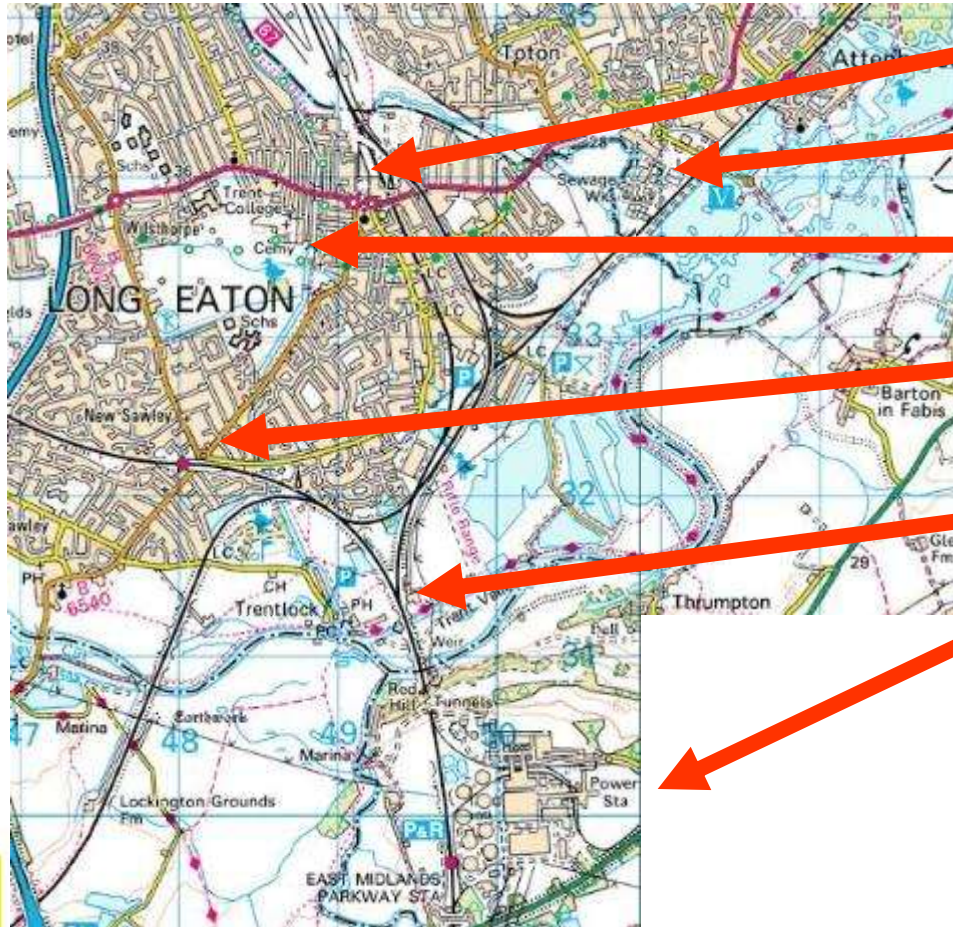
- annual exports shown ('000 tonnes)



The legal international trade in metal scrap has flourished for several thousands of years.

The volume of stolen metal in international trade is estimated at <1% - very difficult to identify

METAL USE IN SOCIETY, BESIDES CONSUMER GOODS



Telecommunications

Water treatment

Commemoration

Road furniture
e.g. signs, manhole covers

Railways

Electricity supply

Building and construction

Machinery and equipment

etc.,

ORIENTATION



One of the churches targeted
St Nicholas in Fulbeck

ORIENTATION



ORIENTATION



It is the collateral damage from the theft of metal from critical infrastructure that catches the public, press and politicians' attention

BURNING COPPER CABLE INSULATION



SECTION VI. Guidance/guidelines by source category: Part III of Annex C

Table 1. Measures for new copper cable recovery facilities

Measure	Description	Considerations	Other comments
Alternative processes	Various recommended treatment processes should be considered to replace open burning	Processes to consider include: <ul style="list-style-type: none"> • Cable chopping • Cable stripping • High-temperature incineration for material unsuitable for chopping or stripping 	Incineration is considered to be a best available technique in configuration with suitable gas collection and abatement

Smouldering of copper cables should not be conducted as this practice generates PCDD/PCDF emissions. Open burning should never be considered as an acceptable means of waste treatment. Guidelines and legislation against the smouldering of copper cables have been implemented at federal, state, provincial, territorial and municipal levels by many countries.

Examples of such guidelines and legislation include UNEP 2001; Government of the United Kingdom 1993; Government of Hong Kong 1996; Government of New Zealand 2004.

A consideration is to set premium pricing for unstripped cable and wiring to encourage sending the feed material for treatment in copper smelters using best available techniques.

Achievable performance limits are not applicable, as the smouldering process is not a best available technique or best environmental practice and should not be practised.

BURNING COPPER CABLE INSULATION



ORIENTATION

**IT IS IN THE INTERESTS OF METAL
RECYCLING FEDERATIONS - TO DO AS
MUCH AS CAN BE DONE - TO AT LEAST
MINIMISE IF NOT ERADICATE METAL
THEFT**

POOR IDEAS TO ELIMINATE OR OTHERWISE MINIMISE METAL THEFT



- **‘Tag and Hold’**
 - **As scrap yards may make hundreds of purchases of scrap metal and end-of-life goods per day amounting to many tonnes, scrap yards cannot label and separately store each metal lot. ‘Tag and hold’ as this is sometimes called is a high administrative burden and logistic menace**
- **‘Burdensome technical / administrative requirements’**
 - **Requiring companies to duplicate purchase / sale record keeping and reporting – can technology reduce record keeping?**

GOOD IDEAS TO ELIMINATE OR OTHERWISE MINIMISE METAL THEFT



All scrap yards and metal works should be either be Permitted and or Registered - need to establish national publicly available databases

National databases would assist all authorities to cooperate together, Police, Customs, Environment Agencies in order to identify and close down illegal scrap yards and metalworks - this must be a priority in minimising metal theft

DIFFERENTIATE GOOD FROM BAD



GOOD IDEAS TO ELIMINATE OR OTHERWISE MINIMISE METAL THEFT



Identify the seller – use: ‘police books’; Security Videos
Agree that No Identification means No Cash purchase

Maintain records of purchases

Choose scrap purchase payment method - such proposals need to take account of national differences, infrastructure

- **Cashless**
(additional benefit of minimising cash kept on company premises)
- **Cash limits e.g. limit total paid to individual sellers per year**

Use No-buy list e.g.: beer kegs; manhole covers; new road signs; sculptured bronzes; commemorative plaques

CASHLESS – VS. CASH LIMITS



BIR – REPRESENTING THE FUTURE LEADING RAW MATERIAL SUPPLIERS

GOOD IDEAS TO ELIMINATE OR OTHERWISE MINIMISE METAL THEFT



**Role in promoting technological solutions to
protect metal in use...**

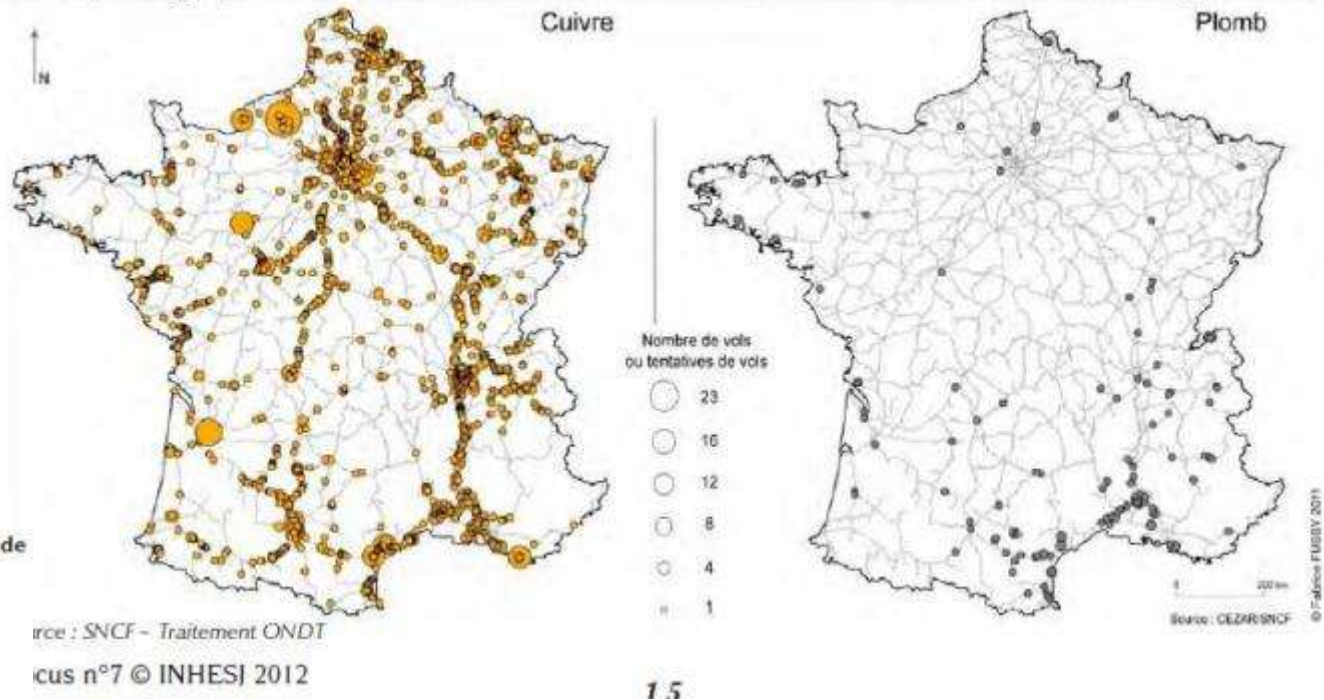
GOOD IDEAS TO ELIMINATE OR OTHERWISE MINIMISE METAL THEFT



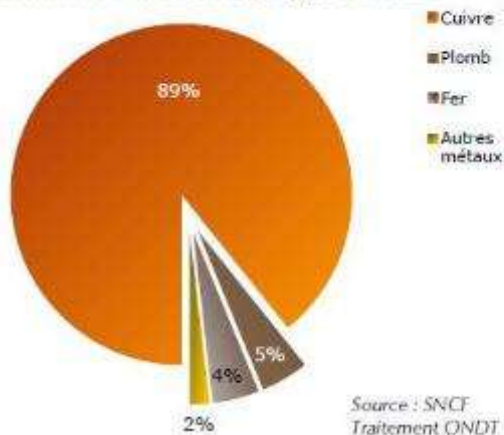
Role in disseminating information...



Cartes 4, 5. Géographie des vols et tentatives de vols de métaux sur le réseau de la SNCF en 2010 selon le type de métal.



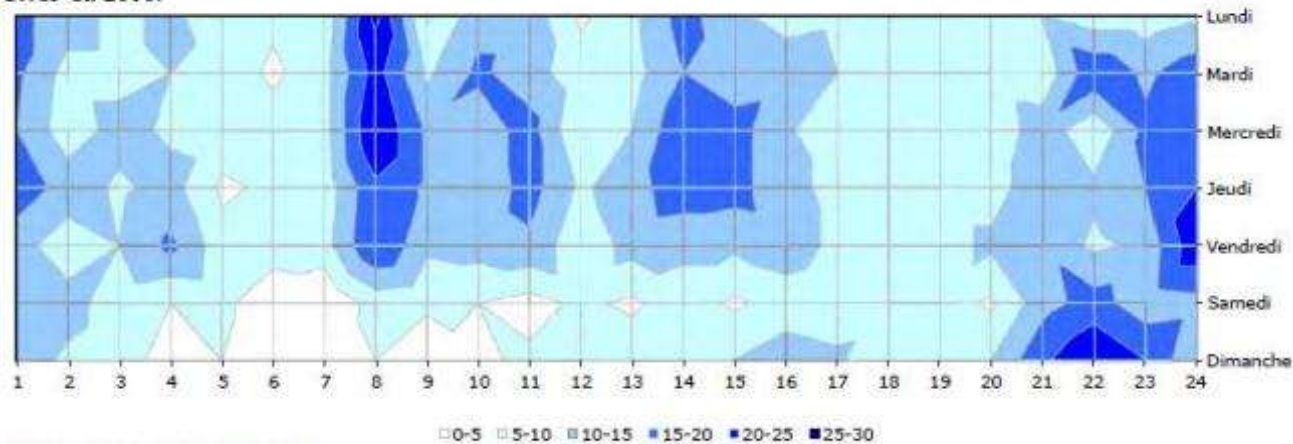
Graphique 3. Répartition des vols et tentatives de vols de métaux commis en 2010 par type de métal.



Source : SNCF - Traitement ONDT
 Document n°7 © INHESJ 2012

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Graphique 4. Jours et heures de commission des vols et tentatives de vols de métaux commis dans les espaces de la SNCF en 2010.



Source : SNCF - Traitement ONDT

GOOD IDEAS TO ELIMINATE OR OTHERWISE MINIMISE METAL THEFT



Role in promoting codes of conduct, best practice, guidelines...


ORGANISED CRIME IS AND WILL REMAIN A HIGH CONCERN

metal theft gang jailed

who embarked on a cable theft spree, creating havoc across a swathe of the Midlands rail network, have been sentenced to a total of 23 years in prison.



CO-OPERATION TO COUNTER ORGANISED CRIME




Interpol Pollution Crimes Working Group

Assessing the Links between Organised Crime and Pollution Crimes

June 2004

ELECTRONIC WASTE AND ORGANIZED CRIME
ASSESSING THE LINKS

PHASE II REPORT FOR THE INTERPOL POLLUTION CRIME WORKING GROUP



INTERPOL




COUNCIL OF THE EUROPEAN UNION



11908/01
 PRESSE 100
 PR.CO 77

PRESS RELEASE

306th Council meeting
 Justice and Home Affairs
 Luxembourg, 9 and 10 June 2001

President: Mr Tibor NAVRACSIK
 Deputy Prime Minister, Minister for Public Administration and Justice
 Mr Sándor PINTÉR
 Minister for the Interior of Hungary

Environmental crime

The Council adopted a resolution on the creation of an ad-hoc network for combating environmental crime (2001/100/JHA). Environmental crime is penalised in particular in order to reduce pollution because they pose a threat to the environment, public health and are often characterised by their transnational and cross-border nature.

In particular, the resolution aims at:

- identifying criminal networks suspected of being involved in illicit waste to identify routes, destinations, road operators and trends of criminal activity
- improving the exchange of information and pooling of criminal intelligence through transnational cooperation among member states and member states of Europe and Europe.

CEPOL five-year report

The Council endorsed the CEPOL (European Police College) five-year external evaluation report which includes the recommendations of the CEPOL Governing Board (2001/100/JHA). This evaluation assesses the ability, coherence, effectiveness and efficiency of CEPOL, and its working practices.

Qualified and/or counterfeit medicines - Conclusions

The Council adopted conclusions on the role of law enforcement cooperation in combating falsified and/or counterfeit medicines (2001/100/JHA). In particular, the conclusions invite member states to use forensic-science units to identify medicines with potentially illegal origin of medicines, to ensure adequate training for the personnel of competent law enforcement authorities who are active in this field and to enhance cooperation, including exchange of intelligence and operational information, between all authorities involved.

11908/01

EN



IMPEL-TFS ENFORCEMENT ACTIONS I

Enforcement of EU Waste Shipment Regulation

"Learning by doing"

June 2008

Final Report



KEY POINTS



- **The damage caused by theft of in-service metal from utilities is out of all proportion to the metal value**
- **Owners of metal should protect their assets**
- **Law Enforcement Agencies should**
 - **identify and catch the thieves.**
 - **co-operate Locally, Nationally & Internationally – also with other organisations e.g. Impel etc.,.**
 - **co-operate with metal recyclers and their associations and federations regarding codes of conduct, best practices, guidelines, laws etc.,.**
- **Look for quick wins – demand agreement not to buy burnt cable, include foundries and smelters in searches along with scrap yards**
- **Seek harmonised practices/ laws**
- **Set up national public databases of permitted and registered recyclers**
- **Fully implement existing laws**
 - **Identify and close illegal scrapyards and metalworks**

Thank you for your attention!

www.bir.org