

# Future Opportunities & Threats Relating to Organised Crime - In a Local to Global Context

## Keeping ahead of organised crime through horizon scanning

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SOCA (and from 2013, the NCA) will coordinate and prepare regular horizon scanning reports for organised crime for Ministers, policy and law enforcement partners

## UK Organised Crime Strategy

'Local to Global – Reducing the Risk from Organised Crime' - Actions



**SOCA**  
SERIOUS ORGANISED  
CRIME AGENCY

NOT PROTECTIVELY MARKED

# “Metal Theft – Future Drivers and Enablers?”

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SERIOUS ORGANISED CRIME AGENCY



# “Metal Theft – Future Drivers and Enablers?”

## *Futures in SOCA*

- NOT Prediction ! - *“Strategic Anticipation”*
- The “Future” starts in 3 years
- Mostly Open Source Research
- The Future of SOCA Futures – *“Horizon Scanning for UK Law Enforcement”* – the NCA plan



# “Metal Theft – Future Drivers and Enablers?”

## *China*



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# “Metal Theft – Future Drivers and Enablers?” *China*



# “Metal Theft – Future Drivers and Enablers?” *China*



“Metal Theft – Future Drivers and Enablers?”  
“*Future Commodities*” – *Lithium Batteries*”





“Metal Theft – Future Drivers and Enablers?”

“*Future Commodities*” – Helium



“Metal Theft – Future Drivers and Enablers?”  
“*Future Commodities*” – *Foodstuffs*



“Metal Theft – Future Drivers and Enablers?”

“*Future Commodities*” – *Foodstuffs* – *The Solution?*



## Contact

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MATERIALS INNOVATION AND DESIGN

DR B A RICKINSON  
(CHIEF EXECUTIVE,  
INSTITUTE OF MATERIALS,  
MINERALS AND MINING)

MATERIALS KNOWLEDGE TRANSFER NETWORK

WEDNESDAY 21<sup>ST</sup> MARCH 2012



# INCREASING PRICE & RISK

## 1. INCREASING DEMAND

DEVELOPING ECONOMIES – (25M TONNES CU PRODUCED ANNUALLY  
5M TONNES USED IN CHINA)

## 2. SECURITY OF SUPPLY

ENVIRONMENTAL ISSUES

- FLOODS IN AUSTRALIA AFFECTING COAL AND WOOL PRICES
- EXPORT TAXES – AFFECTING TIMBER PRICES

## 3. MATERIAL SCARCITY

POLITICAL ISSUES – ie CHINESE POLICY ON RARE EARTHS  
- WASTE POLICY REGARDING INCINERATION

## 4. MARKET SPECULATION

FOLLOWING DEMAND CHANGE AND DRIVING PRICE INCREASES  
– FINANCIAL SAFE HAVEN

## 2012 MATERIAL PRICES RANGE OF MATERIALS

	£/KG
TIMBER	0.03
STEEL	0.28
SPRING WATER (KEG)	0.32
STAINLESS STEEL	0.88
SPRING WATER (BOTTLE)	1.15
LEAD	1.40
PETROL	1.71
WOOL	1.71
DIESEL	1.74
NATURAL RUBBER	1.80
ALUMINIUM	1.90
MAGNESIUM	2.1
OLIVE OIL	2.72
LITHIUM CARBONATE	3.0
COPPER	5.60
NICKEL	12.6
TIN	15.0
COBALT	22.0
SILVER	580.0
GOLD	28863
PLATINUM	29568

HELIUM £50 PER THOUSAND CUBIC FEET

## MATERIALS PRICES RATE OF CHANGE IN 3 YEARS

	2009 £ KG	2012 £ KG	
WOOL	0.75	1.71	X 2.28
NATURAL RUBBER	1.00	1.80	X 1.8
COPPER	2.50	5.60	X 2.24
GOLD	10,560	28,863	X 2.73
PLATINUM	17,600	29,568	X 1.68
<b>OTHERS</b>			
DIESEL	X 1.51		
OLIVE OIL	X 1.28		
HELIUM	X 1.85		
TIMBER	X 1.55		



2012 LIQUID PRICES  
(RANGE OF MATERIALS)  
PRICES IN THE USA POUNDS PER GALLON

	£/KG
PETROL	2.40
ANTI FREEZE	3.35
SPRING WATER	5.20
RED BULL	24.5
CONTACT LENS SOLUTION	65
PENICILLIN	240
MERCURY	2750
CHANEL NO 5	20479