



ENISA CTI-EU

Cyber Intel within European Cybercrime Center Ops

Álvaro Azofra EC3 Operations Rome, 30 Oct 2017.



- 1. Europol
- 2. European Cybercrime Center (EC3)
- 3. EC3 Operations
- 4. EC3 strategic products

Europol Headquarters





Europol creation and objective



- European Police Office (Europol)
- Established in 1999
- The EU's law enforcement agency
- Make Europe safer by assisting EU law enforcement authorities

Europol staff





EU Liaison Bureau Network





Cooperation Agreements Third Parties





28 EU Member States

Operational Agreements: Albania, Australia, Bosnia and Herzegovina, Canada, Colombia, Denmark, Eurojust, former Yugoslav Republic of Macedonia, Frontex, Georgia, Iceland, Interpol, Liechtenstein, Moldova, Monaco, Montenegro, Norway, Serbia, Switzerland, Ukraine, United States

Strategic Agreements: CEPOL, ECB, ECDC, EMCDDA, ENISA, FRONTEX, OHIM, OLAF, Russia, UNODC, World Custom Organisation

Europol Legal Framework



- MANDATE: Europol Council Decision (upd. Jun'16)
- Support and strengthen member states
- Prevention and combat:
 - Organised crime
 - Terrorism
 - Other serious crime
 - Affecting 2+ member states

Europol activity



- 46 000 cases initiated in 2016 (+16%)
- 870 000 operational messages
- 7 000+ users from the 28 Member States

European Cybercrime Centre (EC3)





- Established in January 2013
- Strengthen the law enforcement response to cybercrime.

EC3 Structure



Head of EC3

Strategy

OUTREACH

& SUPPORT

.......

STRATEGY &

DEVELOPMENT

OUTREACH & COOPERATION

PUBLIC AWARENESS
& PREVENTION

STRATEGIC

TRAINING & CAP. BUILDING

Forensic Expertise

DIGITAL

DOCUMENT FORENSICS

Operations

CYBER INTELLIGENCE

HIGH-TECH CRIMES

> PAYMENT FRAUD

CHILD SEXUAL ABUSE AP CYBORG

AP TERMINAL

AP TWINS

JOINT CYBERCRIME ACTION TASKFORCE (J-CAT)

EC3 Cybercrime Operations



Critical infrastructures and information systems

Cyber Attacks

AP CYBORG

Cyber Intelligence Team

Organized groups generating large criminal profits

Payment Card Frauds

AP TERMINAL



EUROPEAN CYBERCRIME CENTRE



Serious harm to the victims

Child Sexual Exploitation

AP TWINS

EC3 Cyber Intelligence Team



- Analytical hub: collection + process + analysis.
- Disparate intel feeds: public, private and open sources
- Identify emerging threats and patterns
- Support other EC3 teams
- NO surveillance

EC3 Joint Cybercrime Action Taskforce







High-Tech Crimes

Online Child Sexual Exploitation

Payment Fraud

Cybercrime facilitators

Europol Unclassified - Basic Protection level

EC3 Advisory Groups



Communication Providers



Internet Security

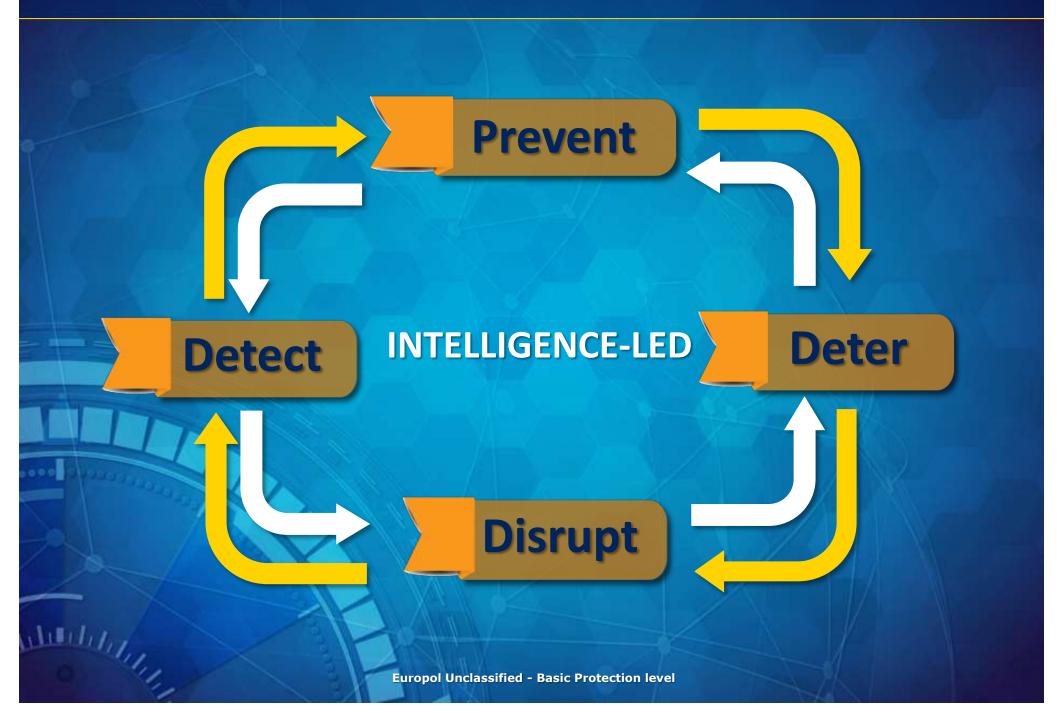






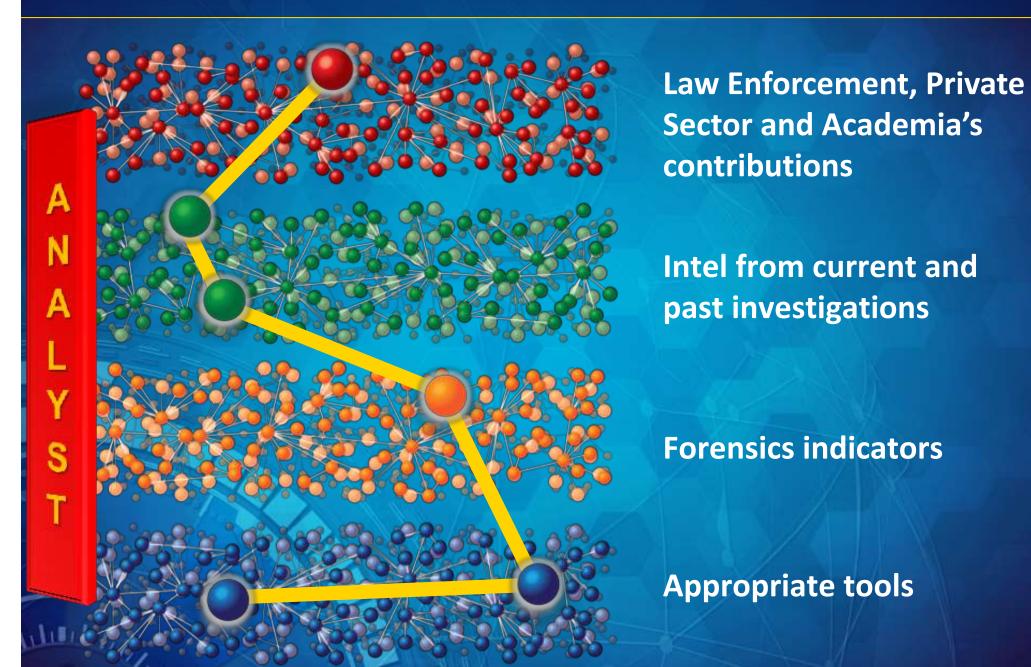
EC3 Cybercrime Fighting Model





From Collect to Connect



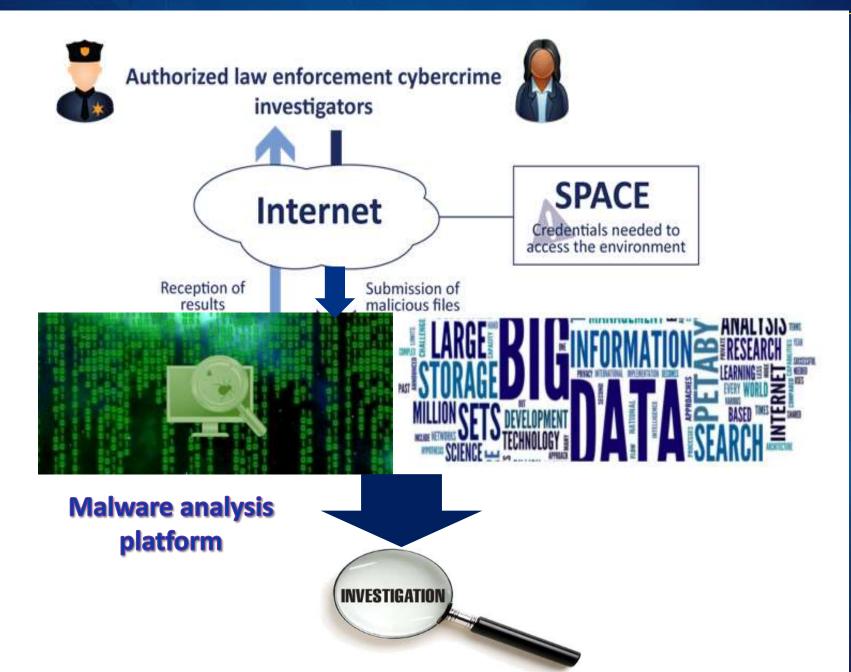


Europol Unclassified - Basic Protection level

EC3 Operations flow

July 1





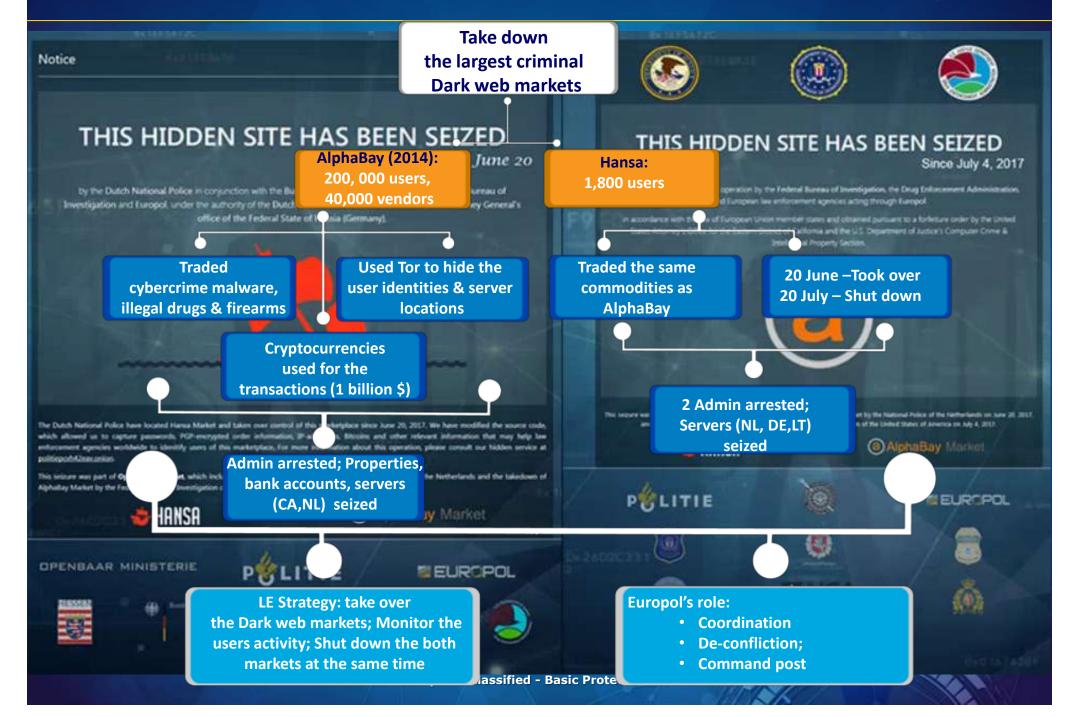
Operation Avalanche - Nov 2016





Operation Bayonet & GraveSac





EC3 approach to Cyber Intel





EC3 strategic product: Cyber Bits







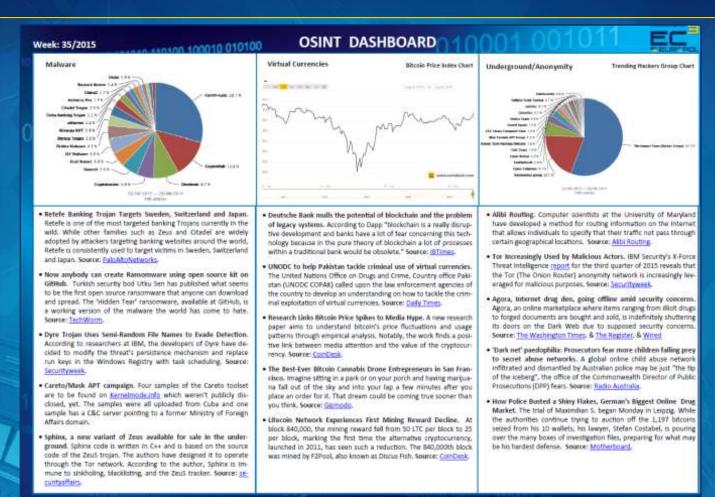




- Short intelligence notifications
- Objective: raise awareness, trigger discussions, ask for further actions.
- Distributed to LEAs and relevant partners.
- Public ones posted on the Secure Platform for Accredited Cybercrime Experts (SPACE), Europol's Platform for Experts (EPE) on cybercrime.

EC3 strategic product: Dashboard





EUROPOL PUBLIC INFORMATION

ON Graphics: Stobreaker & CoinDesk

Weekly most important cyber events related with the EC3 ecosystem

EC3 strategic product: IOCTA







Gather the best manpower

Use the best tools

Build your trust ecosystem



"I have been impressed with the urgency of doing. Knowing is not enough; we must apply. Being willing is not enough; we must do."

Leonardo da Vinci (1452-1519)

Consume better not more

Chess approach



Let's make Europe safer





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