



DATA

FRIEND AND FOE IN THE FIGHT AGAINST CYBERCRIME

Sir Rob Wainwright

Partner, Deloitte
Former Executive Director of Europol (2009-2018)

Big news, big impact



2 Canadian banks hacked, 90,000 customers' data stolen

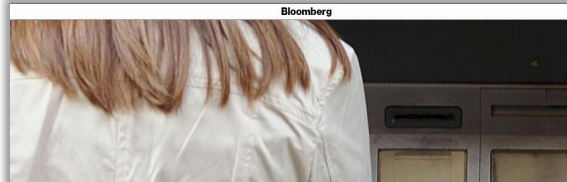
Two of Canada's largest banks, Bank of Montreal and the Canadian Imperial Bank of Commerce's Simplii Financial, confirmed hackers stole the personal and financial data of thousands of customers.

U.S. investigators point to China in Marriott hack affecting 500 million guests



British Airways
@British_Airways

We are investigating the theft of customer data from our website and our mobile app, as a matter of urgency. For more information, please click the following link:



Technology Cops Nab ATM Hacker Behind \$1.2 Billion Swindle

By Charlie Desteaux
March 26, 2018, 11:18 PM GMT+8

- Gang leader behind Carbanal, Cobalt attacks arrested: Europol
- Attacks on over 100 financial institutions caused EU's losses

Share
Print

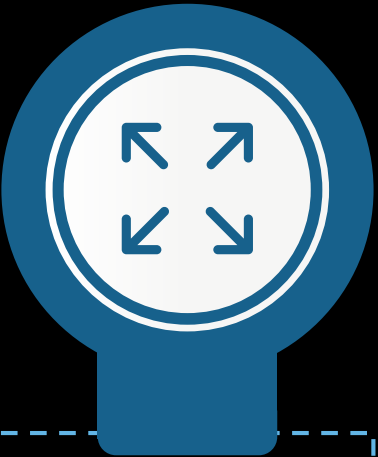
The mastermind behind malware attacks that programmed ATMs to spit out cash on demand and caused more than 1 billion euros (\$1.2 billion) of losses, has been arrested in Spain.



Smarter and stronger adversaries




Global networks expanding in scale



Better capability with bigger impact

Bloomberg



Technology
Cops Nab ATM Hacker Behind \$1.2 Billion Swindle

By [Charlie Devereux](#)
March 26, 2018, 11:18 PM GMT+8

- ▶ Gang leader behind Carbanak, Cobalt attacks arrested: Europol
- ▶ Attacks on over 100 financial institutions caused EU1b losses

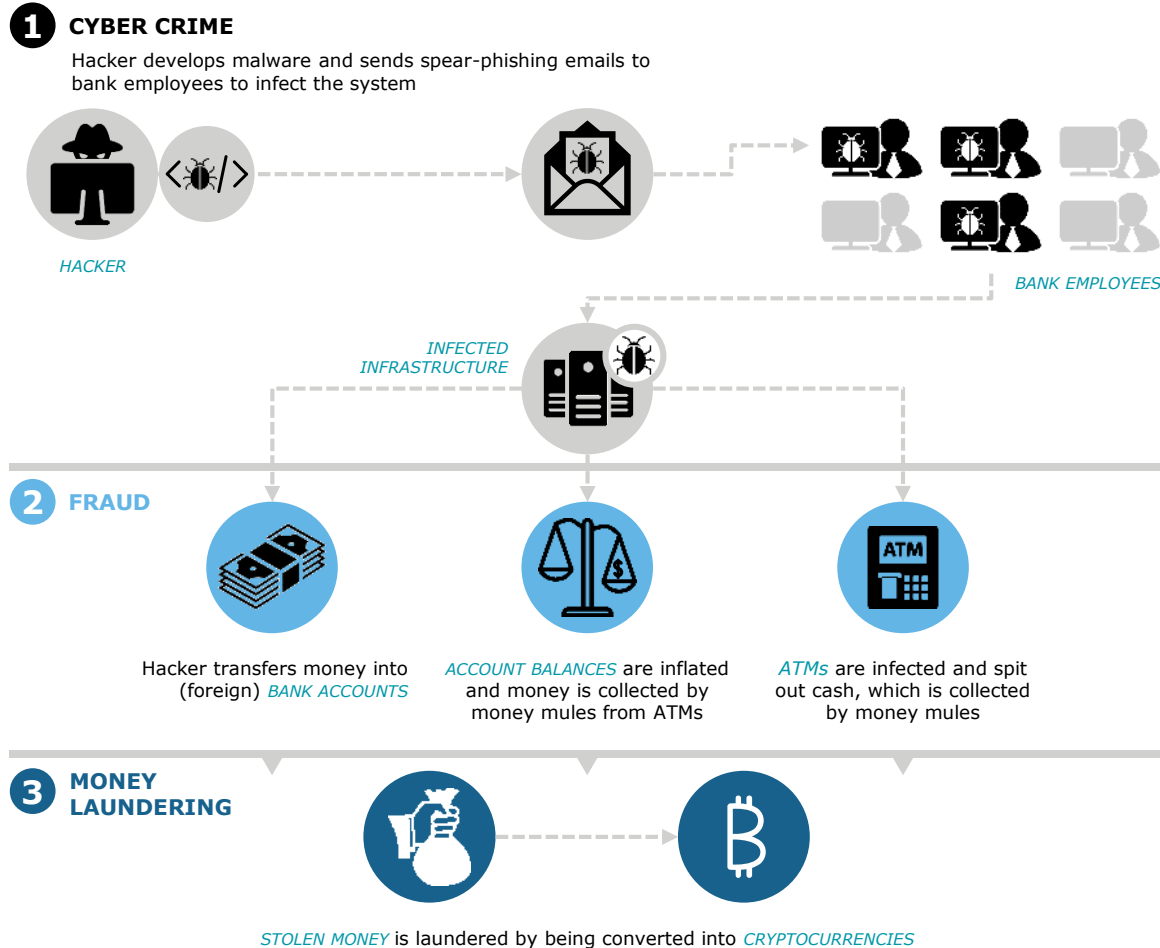
[Share](#) The mastermind behind malware attacks that programmed ATMs to spit out cash on demand and caused more than 1 billion euros (\$1.2 billion) of losses, has been arrested in Spain.

[Print](#)

[LIVE ON BLOOMBERG](#)
[Watch Live TV >](#)
[Listen to Live Radio >](#)

Converging their crimes

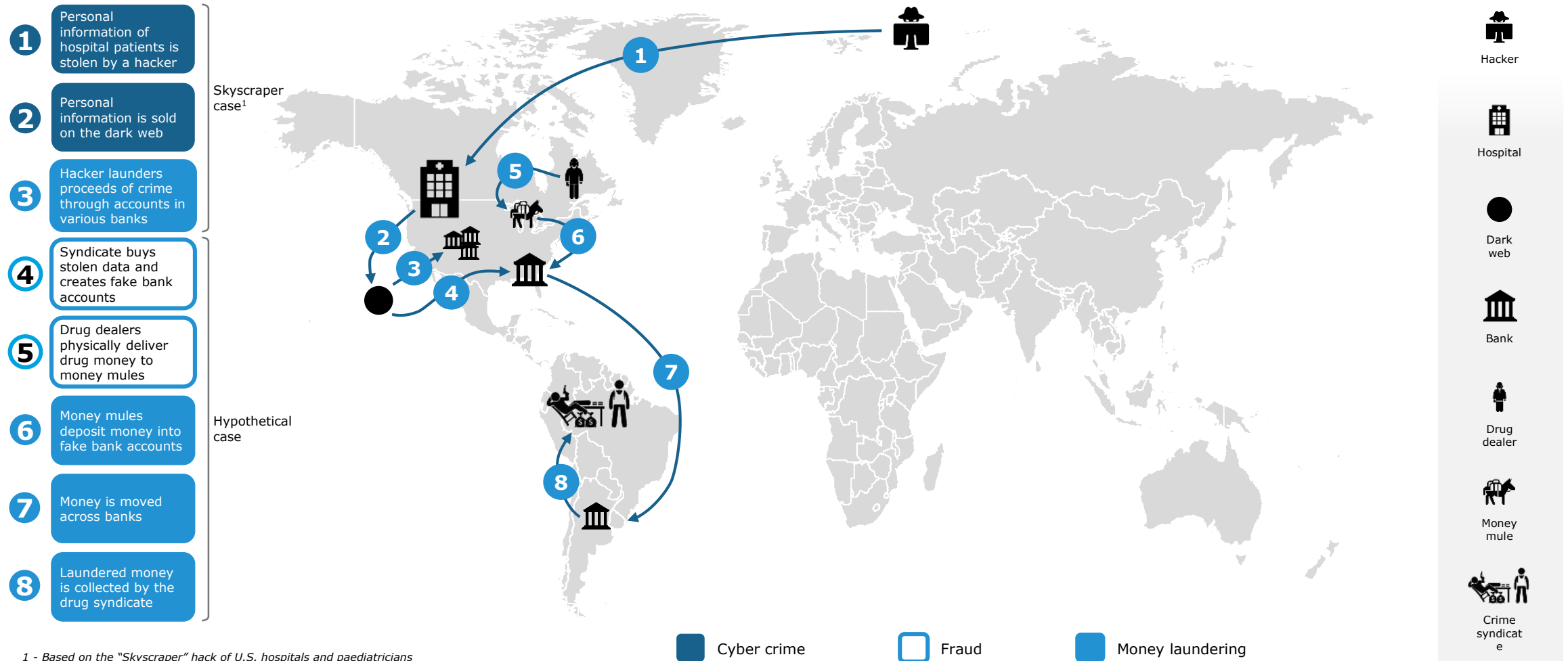
Carbanak group operating across cyber, fraud, physical and money laundering domains



From: "Mastermind Behind EUR 1 Billion Cyber Bank Robbery Arrested in Spain", Europol

Converging their crimes (cont.)

Skyscraper hack illustrates how a single actor steals data, creates fake accounts and enables money laundering



Growth in malicious state actor activity

Military state hacking divisions targeting destructive attacks against government and commercial institutions



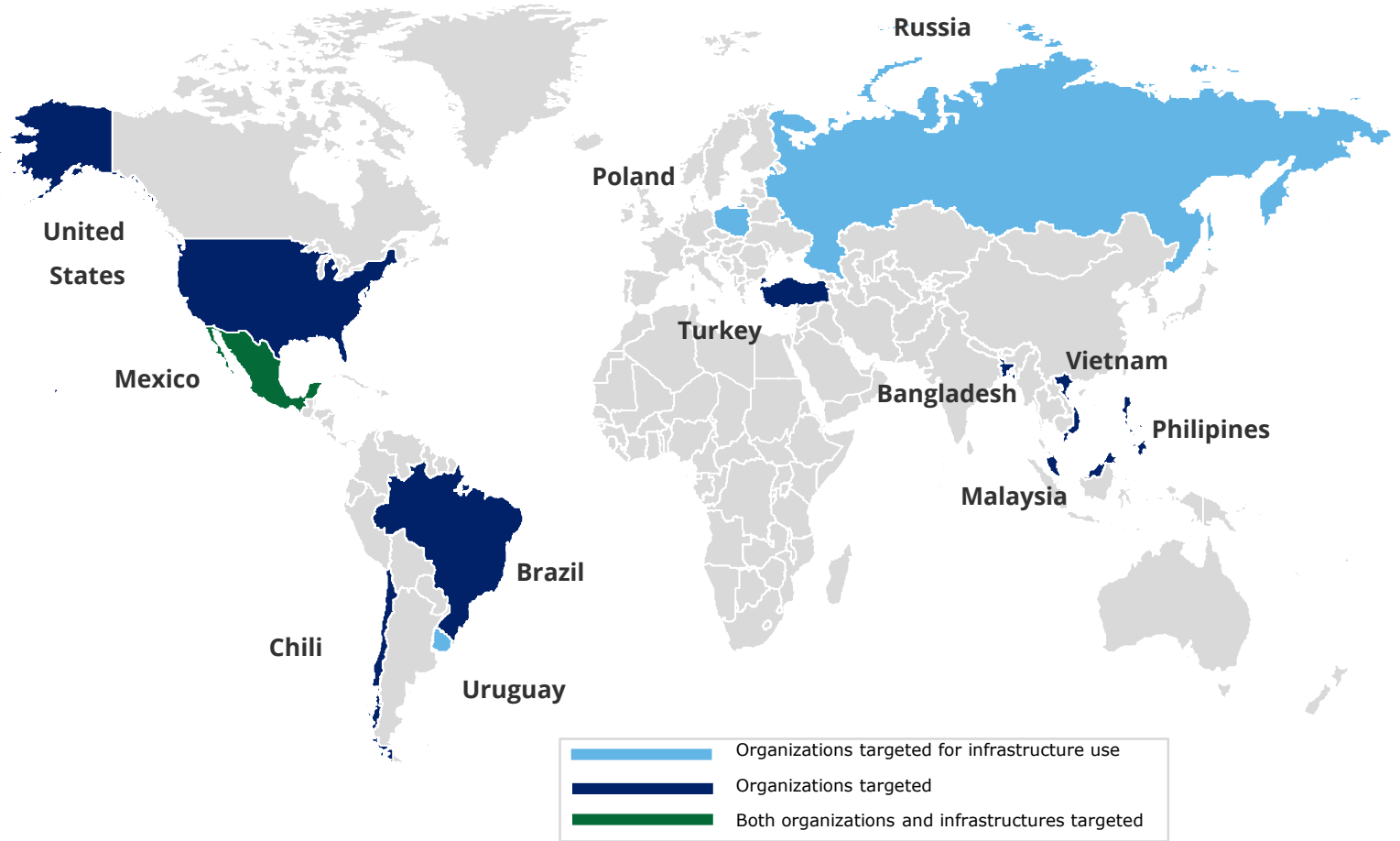
The threat group has attempted to steal more than **\$1.1 billion USD**



APT38 operates similarly to an **espionage operation**, carefully conducting reconnaissance while balancing financially motivated objectives



On average, APT38 remains within a victim network approximately **155 days**, with the longest time within a compromised system believed to be **678 days**



Major environmental hazards



PRO CYBER NEWS

One Year After NotPetya Cyberattack, Firms Wrestle With Recovery Costs

Fedex says its expenses tied to malware attack was \$400 million over past year, Merck put costs at \$670 million in 2017

THE UNTOLD STORY OF NOTPETYA, THE MOST DEVASTATING CYBERATTACK IN HISTORY

Crippled ports. Paralyzed corporations. Frozen government agencies. How a single piece of code crashed the world.

Cyberattack cost Maersk up to \$300M

Petya cyberattack cost Merck \$135 million in revenue

Third-quarter revenue for the global pharma giant was drastically reduced in part by the temporary production shutdown, higher demand than planned and lost sales in certain markets due to the virus.

NotPetya: One year on – Have businesses learnt the lesson?

Today marks one year since the NotPetya attack hit a broad range of business - from law firms and ad agencies to supermarkets

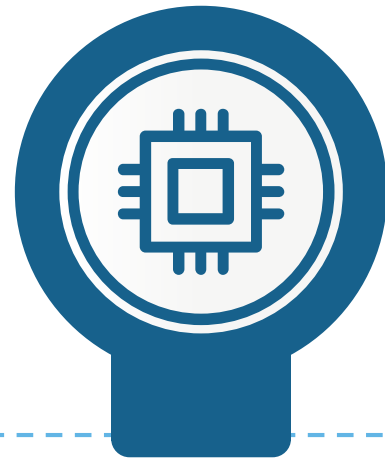


'Clearly the impact of last year's ransomware attacks has been far reaching. However, on a positive note, the publicity which these attacks garnered has made board members sit up and take notice of the potential impact to their organisation'

A new criminal economy



**Mega-volume
Darknet trade**



**Cyber
infrastructure
for hire**

FBI Atlanta @FBIAtlanta
Details of #FBIAtlanta and @NDGAnews role in take-down of largest online "Dark Market" Alphabay ow.ly/nyky30dN91X

THIS HIDDEN SITE HAS BEEN SE
Since

Robert Mark Wainwright
Director, Europol

Data: the new currency of crime

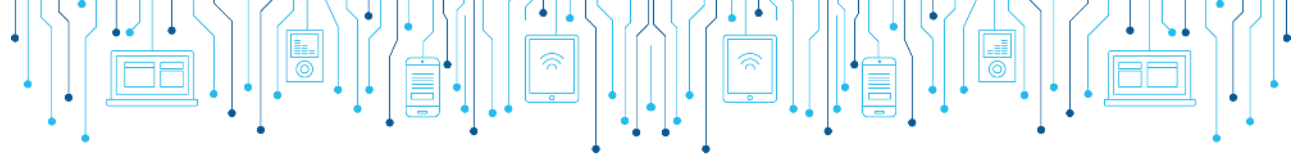


**Powering
ransomware**



Enabling fraud

The screenshot shows a TechCrunch article from July 20, 2018. The article title is "Healthcare data breach in Singapore affected 1.5M patients, targeted the prime minister" by Taylor Hatmaker. The article features a photograph of the Marina Bay Sands hotel in Singapore at night. The text of the article states that 1.5 million members of Singapore's largest healthcare group had their personal data compromised, including names, addresses, gender, race, date of birth, and national identification numbers. It also mentions that 160,000 of these patients had their outpatient medical information accessed by unauthorized individuals.



Inside the Google of Counter-Terrorism

Once snubbed by the FBI, Europol emerges as a force

By **Suzi Ring** and **Franz Wild**
April 5, 2018, 5:00 AM GMT+2



Rob Wainwright, executive director of Europol. *Photographer: Yuriko Nakao/Bloomberg*

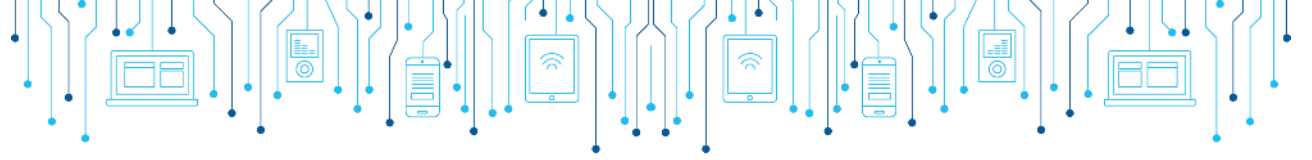
Bringing life to a powerful purpose



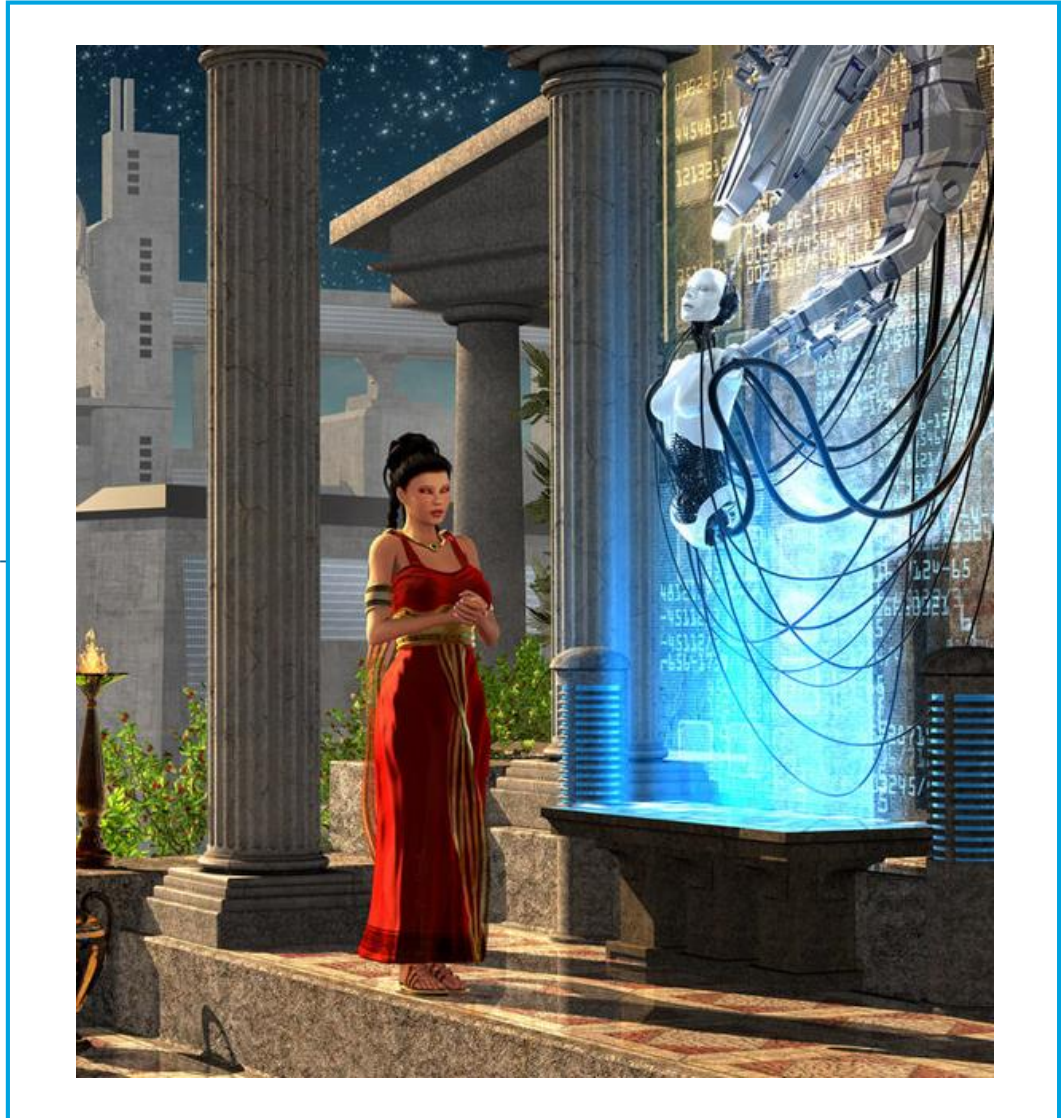
- **Connecting more**
- **To see more**
- **To act better**



An old concept for a new age



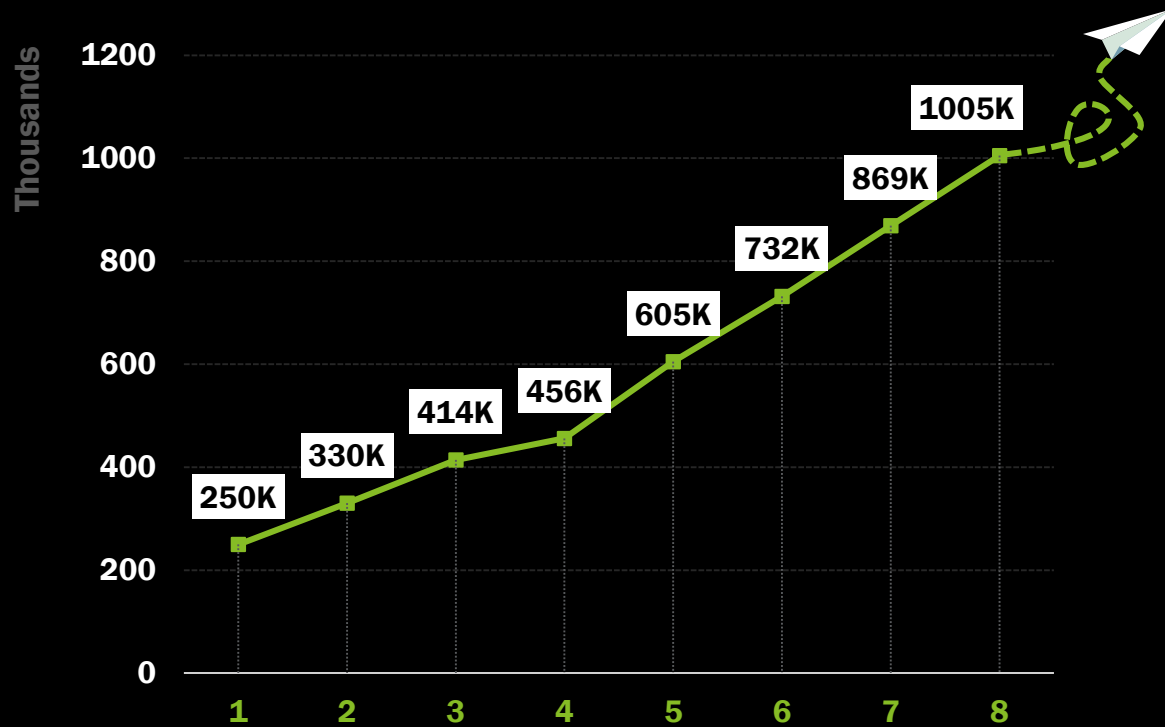
- **Making them come**
- **Valuing knowledge**
- **Gaining insight to drive effect**



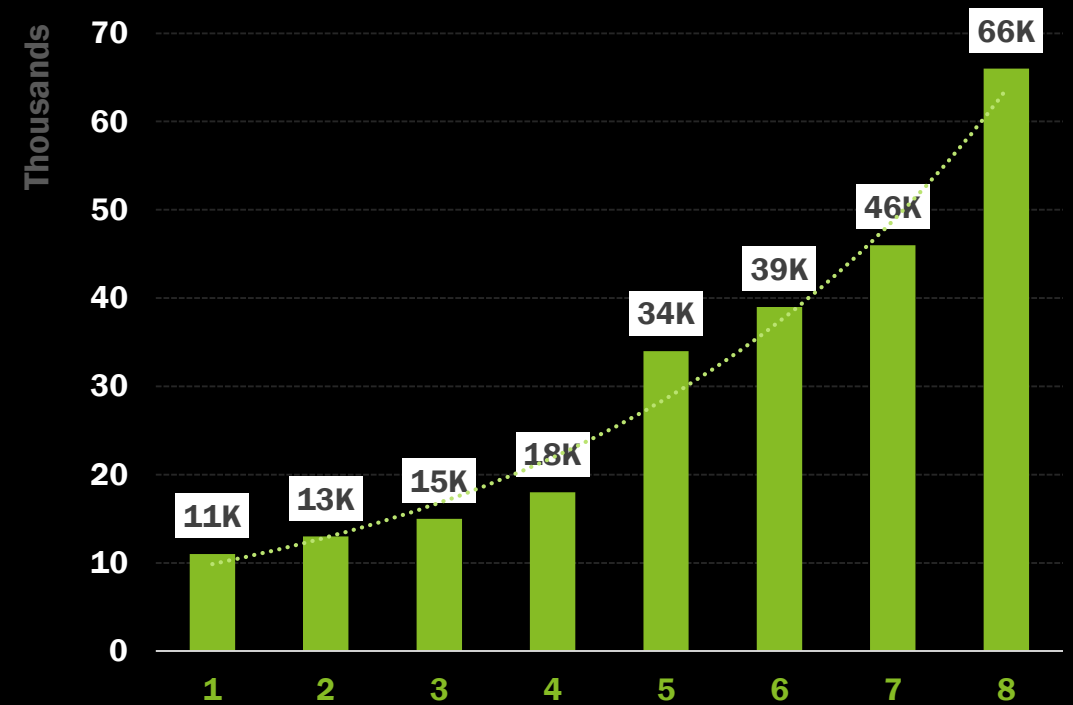
The data network effect at Europol



Intelligence reports notified to Europol



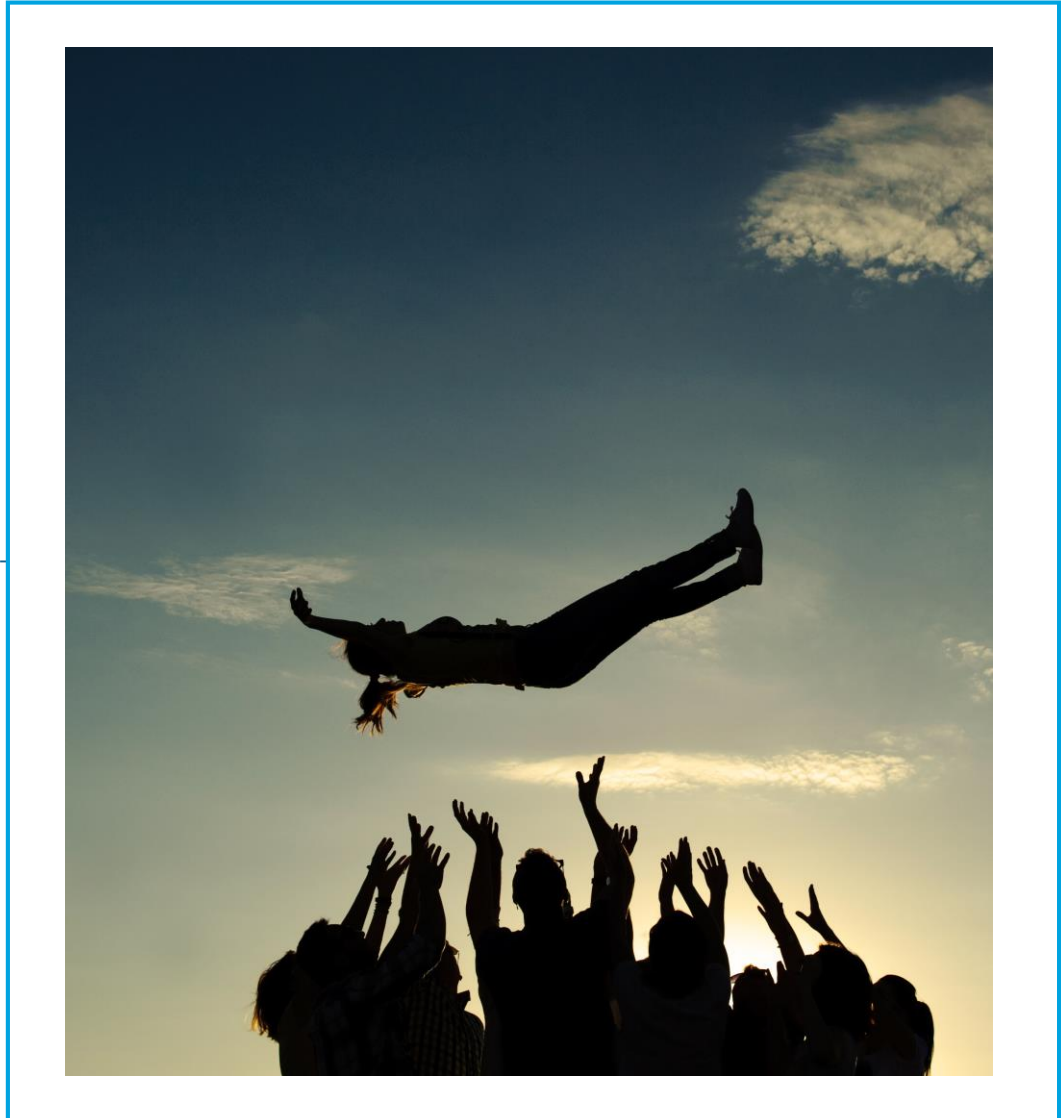
Cross-border operations initiated or supported by Europol



Trust as the currency of Trade

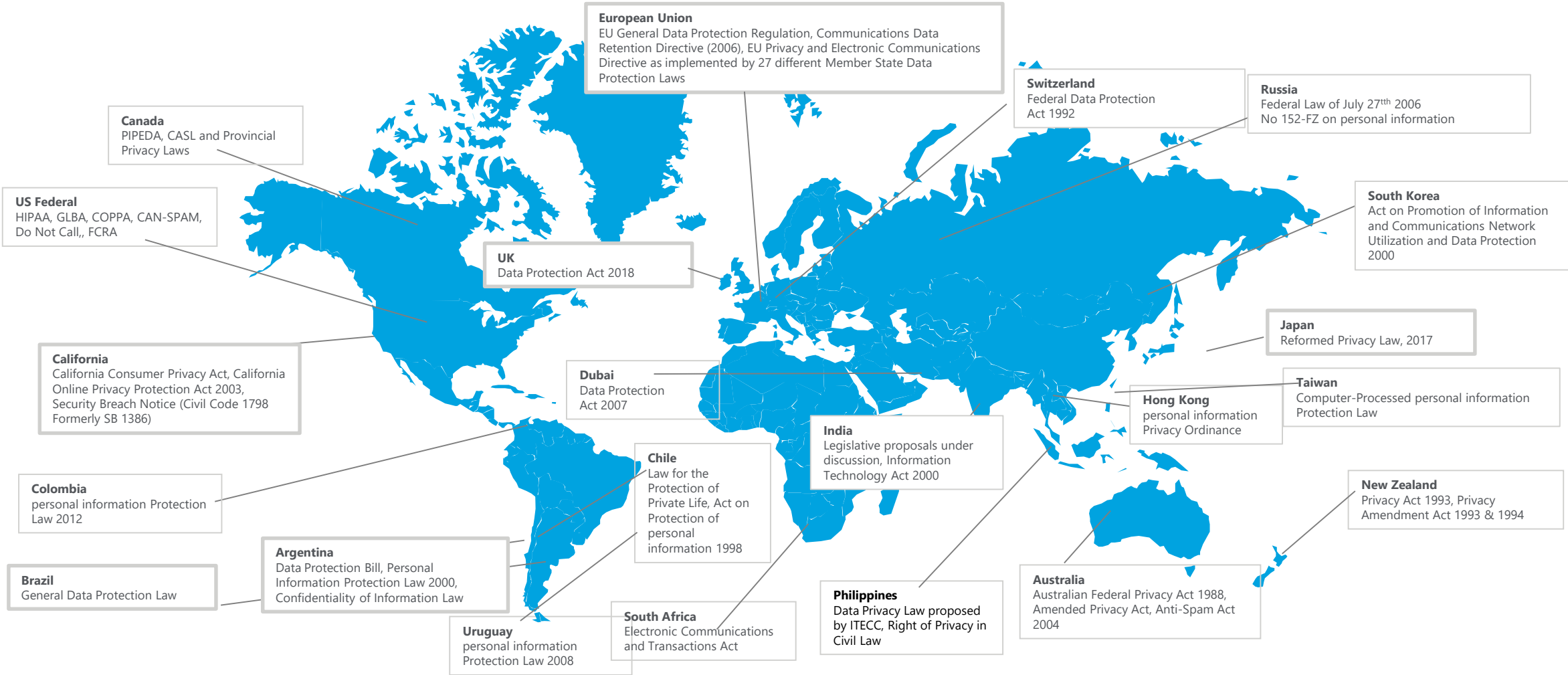


- **Hard won, easily lost**
- **Becoming a secure and reliable friend**
- **Valuing data privacy**



Global privacy regulatory landscape

Becoming increasingly complex but an opportunity for change



Towards a more self-confident digital age



- **Better aware of risk**
- **Smarter digital operation**



Bringing major benefits



- **To your business**
- **Customers**
- **And your reputation with regulators**



