

INTERPOL Capacity Building and Training Activities

Lili SUN

Head of Training Unit – Cybercrime Directorate

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Outline



General introduction to INTERPOL



INTERPOL's policing capabilities for cyberspace



Cyber capacity building programmes



The way forward

History of 100 years

First International Criminal Police Congress held in Monaco.

1914

Renamed as International Criminal Police Organization-INTERPOL

1956

Official inauguration of the INTERPOL Global Complex for Innovation in Singapore.

2015













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1946

- •Rebuilding of the organization after the end of World War II
- •A new headquarters set up in Paris
- •INTERPOL colour-coded notice system initiated

1989

INTERPOL moves its General Secretariat to Lyon, France.



A Global Presence





Police Databases

A warning system- INTERPOL Notices













Project "Follow the Sun"

Lyon



GMT 06:45 - 15:15 07:45 - 16:15 (Winter - local time) 08:45 - 17:15 (Summer - local time)

Singapore



GMT 22:45 – 07:15 06:45 - 15:15 (local time)

Buenos Aires



GMT 14:45 – 23:15 11:45 - 20:15 pm (local time)

Command and Coordination Centre (CCC)













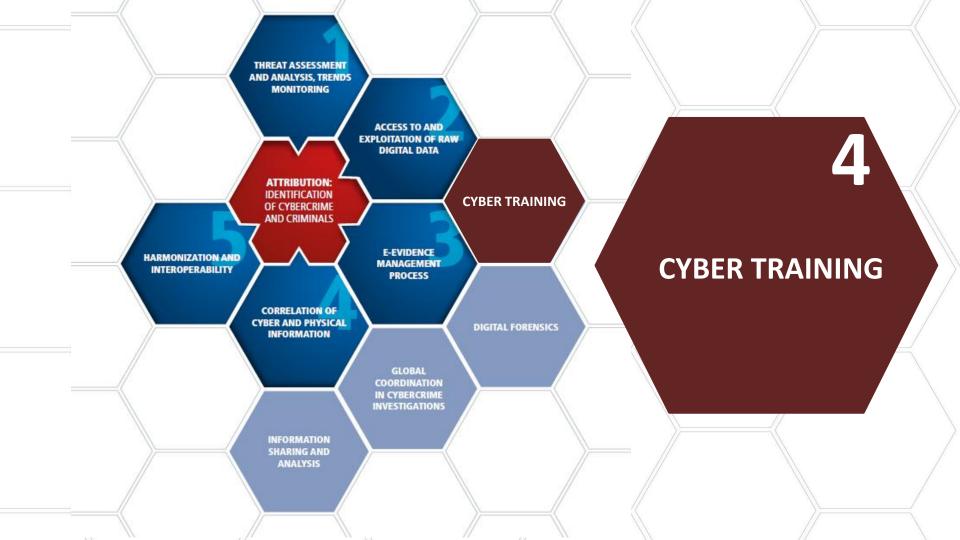
B Provide digital forensic on-site assistance

Develop and provide specific training courses



Provide guidance on using digital forensic tools and equipment

Contribute to international standards issuance

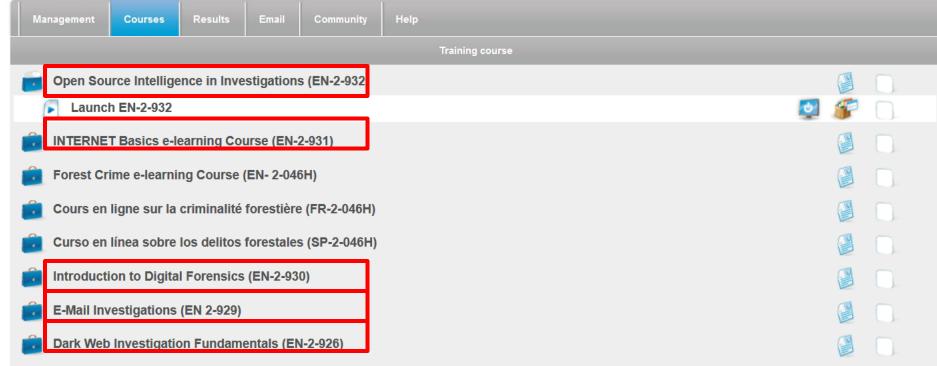


INTERPOL e-learning modules on cybercrime









INTERPOL Specialized Training



Training on Darknet and Cryptocurrencies



INTERPOL Digital Security Challenge

22 March 2017

Ransomware – the new INTERPOL digital security challenge

SINGAPORE – The latest edition of the INTERPOL Digital Security Challenge had participants hunting down a suspect who had encrypted confidential medical records with ransomware.

Cybercrime investigators and digital forensic experts from 20 countries and territories were divided into teams, racing against the clock and each other in order to solve the crime, identify the suspect and gather enough evidence for a successful prosecution.

The aim of the exercise is to provide a realistic simulated environment for specialists to further develop their knowledge and exchange expertise in investigating cybercrimes.

Ransomware is one of the fastest growing types of malware, with a report by Trend Micro showing a 752 per cent increase in new ransomware families in 2016 compared to the previous year.

Easy to deploy, ransomware is a type of malware which blocks a computer, or encrypts the data on a system, with money then demanded to restore functionality, and is estimated to cost businesses hundreds of millions of dollars each year.

Using PCs and laptops pre-loaded with a range of digital forensic tools, the teams won points for each successful stage of the investigation which began with a 'hospital' asking for police assistance.



SEE ALSO

✓ Cybercrime

National Cyber Review (NCR)

- Assess and learn from different methods of combating cybercrime
- Towards more harmonized global outlook



CYBER THREAT TREND

COOPERATION WITH THIRD PARTIES

CAPACITY OF PROSECUTION AND JUDICIAL SERVICES

FOR CYBERCRIME MATTERS

GOVERNANCE LEGISLATION

INTERNATIONAL COOPERATION

CYBER SECURITY & CYBERCRIME STRATEGY

CAPACITY OF
FRONTLINE AND FIRST
RESPONDER
TO HANDLE
CYBERCRIME

INCIDENT RESPONSE

DIGITAL FORENSICS

CAPACITY OF LAW
ENFORCEMENT AGENCIES
TO PREVENT AND
INVESTIGATE CYBERCRIME

TRAINING

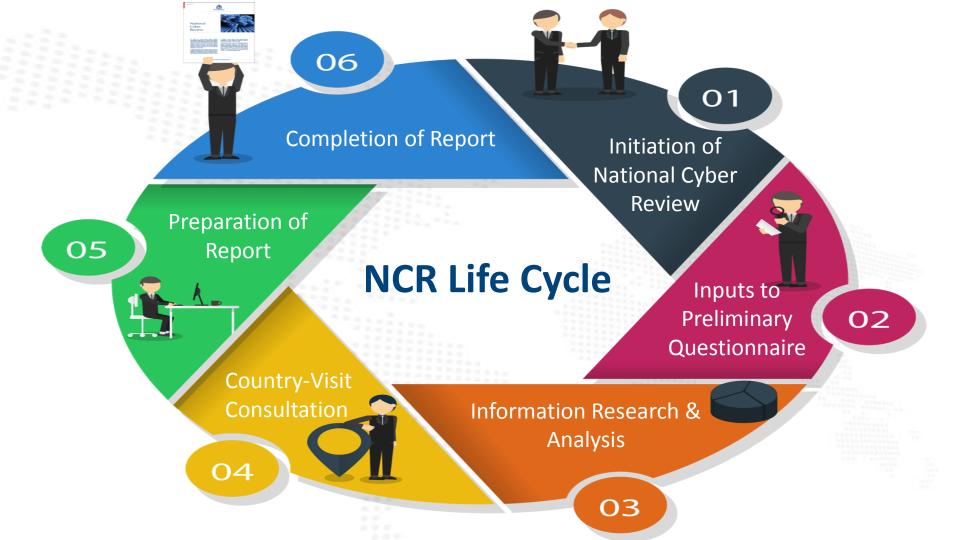
Identify specific training needs

Assist in setting up cybercrime investigation or digital forensics

Understand the strength and weakness, as well as identify gaps

Observations and recommendations for enhancing existing institutional, operational, legal and technical framework

DESIRED OUTCOMES



ASEAN Cyber Forensic Investigation Capability



Project start date: 01/01/2015

Project end date: 31/03/2016

Beneficiary agencies:

Specialized units of the Law Enforcement Agencies (LEAs) of **ASEAN Countries**

Cybercrime Capacity in Latin America and the Caribbean



Project start date: 01/12/2015

Project end date: 31/03/2017

Beneficiary agencies: Cybercrime investigators from targeted member countries in Latin America and the Caribbean.

ASEAN Cyber Capacity Development Project



Project start date: Oct. 2016

Project end date: Sep. 2018

Beneficiary agencies: Specialized units of the Law Enforcement Agencies (LEAs) of ASEAN Countries

Funded by: Ministry of Foreign Affairs of Japan

Implementation of Objective 2 activities of GLACY+ Project

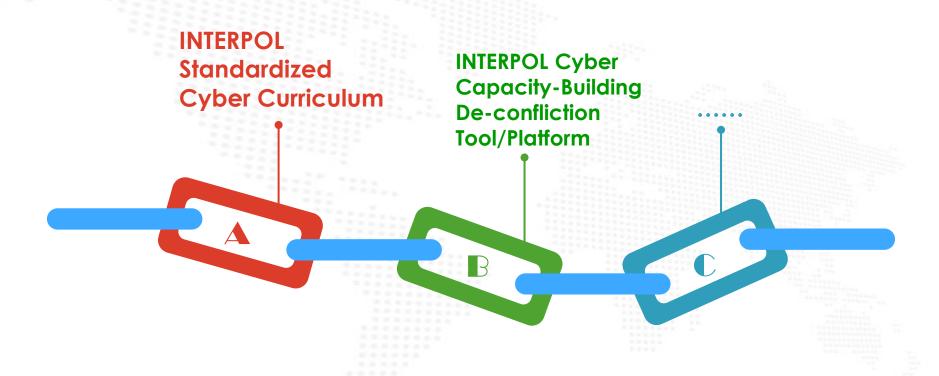


Beneficiary agencies: Law enforcement officer responsible for cybercrime and electronic evidence in beneficiary countries in Africa, Asia/Pacific, Caribbean and Latin America region.





The Way Forward



Challenges on cybercrime training

- Improving learning effectiveness
- Expanding library of content and training programs
- Delivering consistent service
- Reducing development cycle times

Expectations of member countries for INTERPOL







Roles identified in the Cybercrime lifecycle





Frontline officer

- Knowledge of ICT
- Knowledge of current legislation and policies related to crimes using technology
- Could handle digital evidence properly

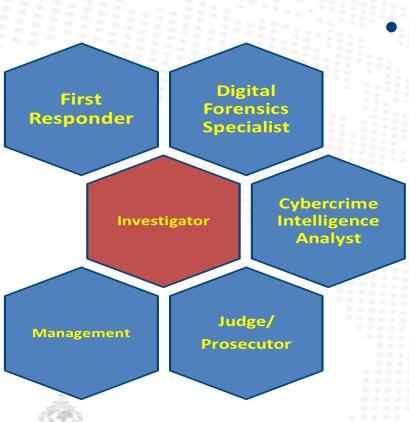






Digital Forensics Specialist

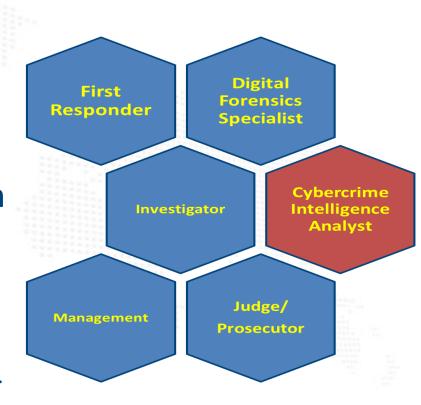
- Advanced cybercrime awareness
- Advanced knowledge of legal and jurisdiction issues
- Expert knowledge in one or more forensics areas
- Data recovery
- Chip off forensics
- Memory forensics
- Malware analysis and reverse engineering

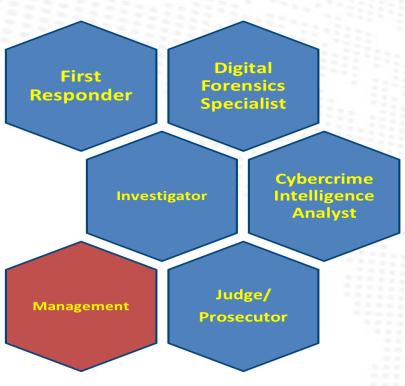


- Police Officers in various operational units
 - Technical skills
 - Legal skills

Cybercrime Intelligence Analyst

- Strategic and operational crime analysis
- Analytical and visualization tools
- Big data management and analysis
- Social networks and OSINT





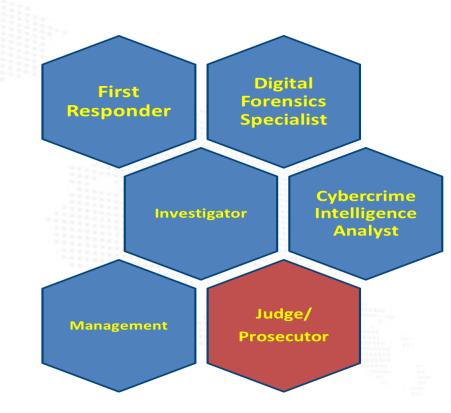


Management

- Profound knowledge of cybercrime
- Advanced knowledge of legal and jurisdiction issues
- Effective relationship management in international cooperation

Judge/Prosecutor

- High level cybercrime awareness
- Knowledge of legal and jurisdiction issues
- Knowledge of the institutional framework for international cooperation







A certification system

INTERPOL Certified Cyber Fundamentals

INTERPOL Certified Specialist

INTERPOL Certified Expert



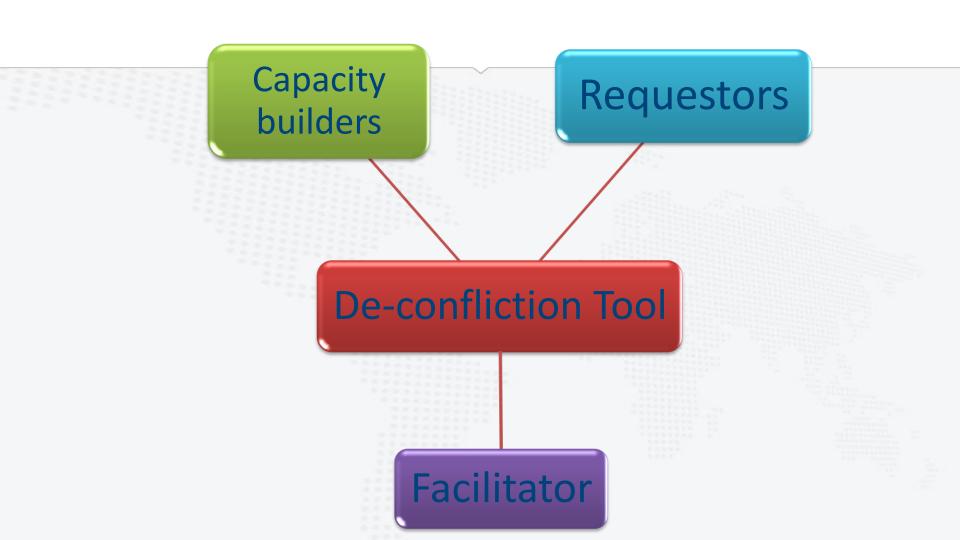


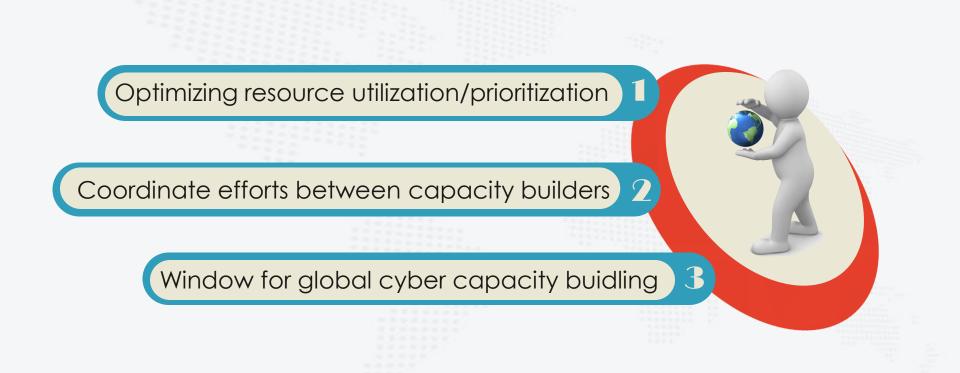
A Train the Trainer approach

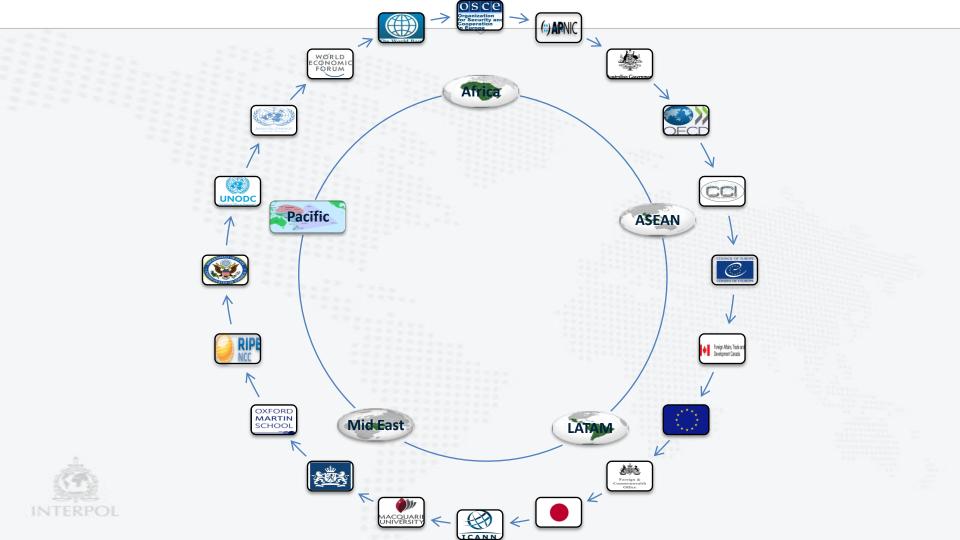
- Scalable
- Sustainable











Current status

- Platform has been deployed on INTERPOL Secure
 Cloud
- A working prototype stage
- Access to approved users will be by username/password issued by INTERPOL, via INTERPOL secure website (https)



Questions:

- Priority countries? Any relating programmes?
- Challenges & solutions?
- The best way to progress?
- Any other matters?





نشکرکم جزیل الشکر علی انتباهکم Thank You-Merci-Gracias

I.sun@Interpol.int