



IMPACT

INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS

Corporate Presentation

Nouman Khan (*nouman.khan@impact-alliance.org*)

INICTEL-UNI, Peru

10 Sep 2014



ITU-IMPACT Collaboration



The International Multilateral Partnership Against Cyber Threats (IMPACT) is a **key strategic partner** of the **United Nations' (UN)** specialised agency - the **International Telecommunication Union (ITU)** – bringing together governments, academia and industry experts to enhance the global community's capabilities in dealing with cyber threats.



ITU and IMPACT signed a Memorandum of Understanding in 2008. IMPACT became one of the physical homes of ITU's Global Cybersecurity Agenda to operationalise cybersecurity services across 193 countries.



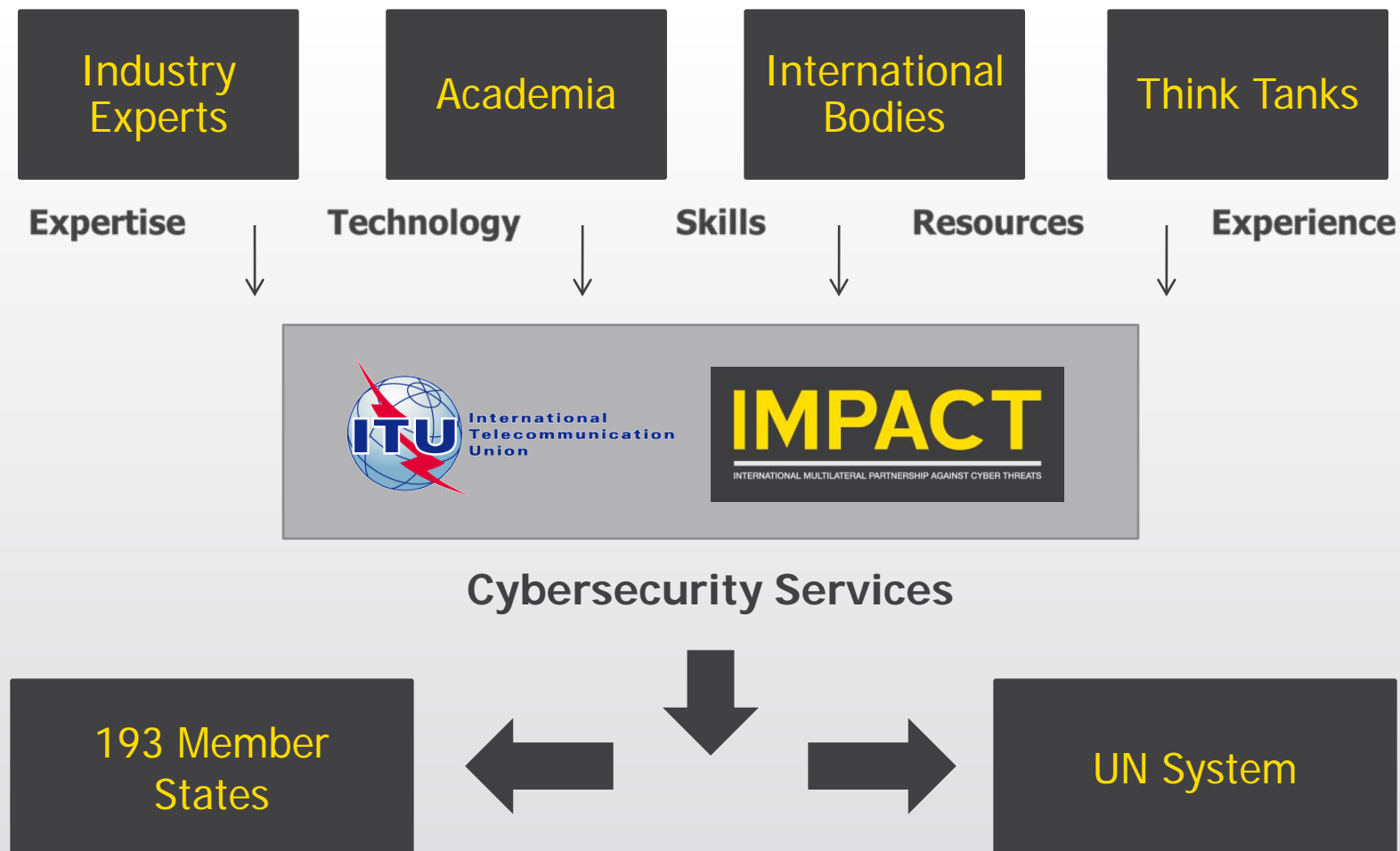
ITU and IMPACT signed a Cooperation Agreement in May 2011. IMPACT became the key strategic partner of ITU, the United Nations' specialised agency. IMPACT now expands its services to the UN System.



IMPACT
INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS

ITU-IMPACT

A Global Coalition



Cybersecurity Services Deployed

151 Countries have joined the ITU-IMPACT Coalition



CYBERSECURITY

OUR EXPERIENCE

We started receiving requests for providing assistance in the implementation

CIRT

Requests from countries to provide assistance in developing a national level cybersecurity strategy

NCS

Expectations

Resources Required

ALERTS

Initially countries started by requesting us for alerts and early warnings

CNIP

Requests from countries for assisting them in the protection of their critical infrastructures

LEGAL

Started responding to requests from countries to provide assistance for cybercrime legal frameworks review.

2009

2010

2011

2012

2013



IMPACT
INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS

ITU-IMPACT

Services

Technical Services

- AWARE (Abuse Watch Alerting and Reporting Engine)
- HORNET (Honeynet Research Network)
- Computer Incident Response Team (CIRT)
- Vulnerability and Web Assessment
- Penetration Testing
- Collaborative Platform for Experts (ESCAPE)

Non-technical

- National Cybersecurity Strategy
- Legal Assessment
- Partner Country Coordination and Engagement
- Partner Engagement (Industry, Academia, Intl. Organisations)
- Child Online Protection

Capacity Building

- Partner Country Cybersecurity Assessment
- Training
- Workshops
- Seminars
- High Level Briefings
- Cyber Drills

ITU-IMPACT

Global Partnership

Industry



International Organisation



Civil Society



Academia & Training



ITU-IMPACT

Key Milestones



IMPACT

INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS



Collaboration with INTERPOL

Cooperation Agreement

November 2012 - IMPACT and INTERPOL signs a Cooperation Agreement to exchange information, expertise as well as to enhance both organisations' knowledge base in the field of cybersecurity.

The Agreement will also see the cross promotion of capacity building activities aimed at the public and private sector and the civil society, with an objective to curb cyber crimes by protecting the cyber space and orchestrating a safer global community.



Secretary General of INTERPOL, Ronald Noble with IMPACT's Chairman, Datuk Mohd Noor Amin



Witnessed by Noburu Nakatani, Executive Director, INTERPOL and Dr Hamadoun Touré, Secretary General of ITU

Computer Incident Response Team

CIRT Assessments and Deployments

Over 50 Assessments Performed Globally

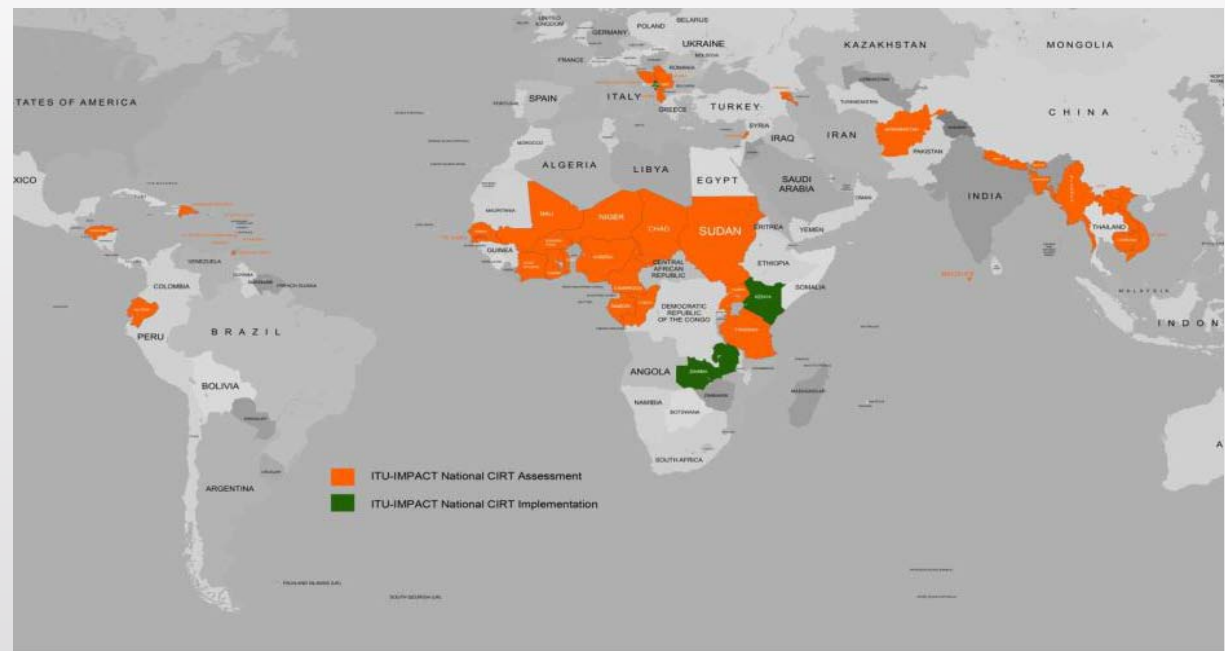
Afghanistan	Laos
Albania	Lebanon
Armenia	Lesotho
Bangladesh	Macedonia
Barbados	Maldives
Bhutan	Mali
Bosnia & Herzegovina	Montenegro
Botswana	Myanmar
Burkina Faso	Nepal
Cambodia	Niger
Cameroon	Nigeria
Chad	Senegal
Congo	Serbia
Dominican Republic	St. Kitts & Nevis
Ecuador	St. Vincent & the Grenadines
Gabon	Sudan
Gambia	Tanzania
Ghana	Togo
Grenada	Trinidad & Tobago
Honduras	Uganda
Ivory Coast	Vietnam
Kenya	Zambia

Completed Deployment:

Burkina Faso, Ghana, Ivory Coast, Kenya, Montenegro, Tanzania, Uganda, and Zambia.

Ongoing Implementation:

Cyprus, Barbados, Bhutan, Burundi, Djibouti, Jamaica, and Trinidad and Tobago.

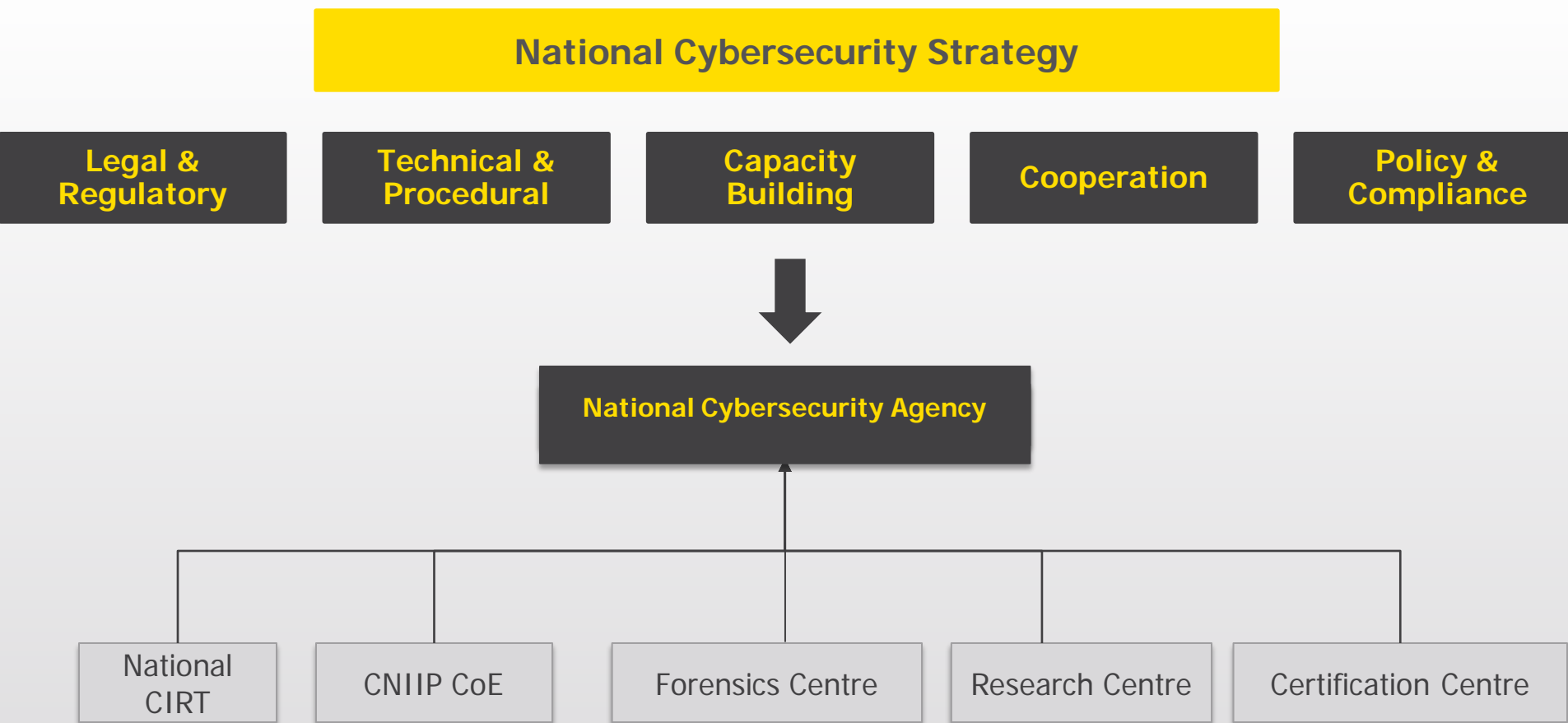


Cyber Drill

Applied Learning for Emergency Response Team (ALERT)

- Designed to maintain and strengthen international cooperation between partner countries and ensure a continued collective efforts against cyber threats and exercises designed to enhance communication and incident response capabilities.
- The cyber drill simulation runs through a scenario with each participating country divided into two roles, representing a player and an observer.
- Drills conducted:
 - ✓ Dec 2011 – Cambodia, Lao, Vietnam, and Myanmar
 - ✓ Jul 2012 – Qatar, Oman, Sudan, Egypt, Tunisia, and UAE
 - ✓ Oct 2012 – Bulgaria, Armenia, Ukraine, Moldova, Montenegro, Romania, Slovak Republic, and Turkey
 - ✓ Aug 2013 – Barbados, Bolivia, Chile, Colombia, Ecuador, Paraguay, Peru, Trinidad and Tobago, and Uruguay
 - ✓ Oct 2013 – Bahrain, Egypt, Kuwait, Libya, Mauritania, Morocco, Oman, Sudan, Qatar, UAE, Saudi Arabia, and Tunisia
 - ✓ Dec 2013 – Cambodia, Laos, Myanmar, and Vietnam
 - ✓ May 2014 – Albania, Angola, Azerbaijan, Bosnia and Herzegovina, Bulgaria, China, Georgia, Iran, Italy, Jordan, Lithuania, Malaysia, Romania, Sri Lanka, Senegal, Spain, Sudan, Turkey, and Ukraine
- Moving forward 2014:
 - America Region – Host: Peru (September 2014)
 - Africa Region – Host: Zambia (September 2014)
 - Arab Region – Host: Egypt (4th Quarter 2014)
- Partners:
ABI Research, BitDefender, Nuix, The Cyber Guardian (TCG)

ITU-IMPACT National Cybersecurity Strategy Structure



Global Scholarship Deployment

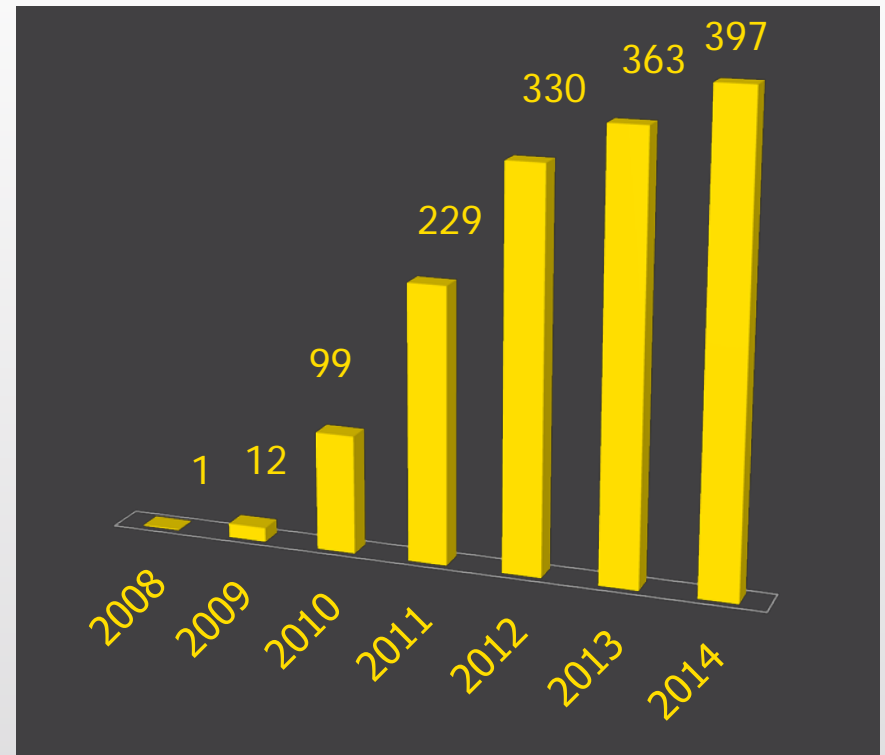


EC-Council



Afghanistan	Kenya	Sri Lanka
Austria	Korea	Sudan
Botswana	Lao	Tanzania
Brunei Darussalam	Lesotho	Thailand
Bulgaria	Malawi	Timor-Leste
Burkina Faso	Malaysia	Togo
Cameroon	Mauritius	Turkey
Comoros	Moldova	Uganda
Côte d'Ivoire	Montenegro	Venezuela
Egypt	Myanmar	Vietnam
Ethiopia	Nigeria	Yemen
Gambia	Pakistan	Zambia
Georgia	Papua New Guinea	Zimbabwe
Ghana	Philippines	
Grenada	Rwanda	
India	Saudi Arabia	
Iran	Senegal	
Iraq	Seychelles	
Jordan	Somalia	

ITU-IMPACT Scholarships Deployed



Child Online Protection

COP

- ITU-IMPACT together with its COP partners has built one of the world's largest repositories for child online protection.
- Conducted multi-stakeholders workshop on COP National Strategy Framework in the following countries:
 - ✓ Brunei (2012), Oman (2013), Malaysia (2013), Zambia (2014)
- 2014
 - ✓ A review meeting on the 2012 workshop in Brunei.
 - ✓ Workshop on Digital Leadership in Malaysia.
- ITU-IMPACT also co-hosted and co-organised a COP Challenge for schools in Malaysia to inculcate best practices and positive use of Internet.
- Moving forward:
National Strategy Framework workshops in these regions:
 - ✓ Africa
 - ✓ Americas
 - ✓ Arab
 - ✓ Asia Pacific
 - ✓ Eastern Europe
- Partners:
UNICEF, UNESCWA, TCG, OREDOO, GSMA, Trend Micro, IWF, ICMEC, iKeepSafe



ITU-IMPACT Regional Cybersecurity Centre

Arab Region

To further enhance nations' capacity and capability in cybersecurity, the setting up of regional centres will help to provide a more concerted and regional efforts in this endeavour

Objectives of the regional centre:

- **Localise ITU-IMPACT's cybersecurity services** in the various regions. Through localisation, services will be able to be delivered based on regional language, culture and issues.
- Enhance cybersecurity capacity and capabilities through **regional collaborations and cooperation**.
- Encourage **deeper information sharing via ITU-IMPACT's ESCAPE** (Electronically Secured Collaborative Application Platform for Experts) platform within regions

The 1st regional centre is hosted by Oman for the Arab region covering 22 nations. Oman will be represented by the Information Technology Authority (ITA) and Oman CERT (OCERT).

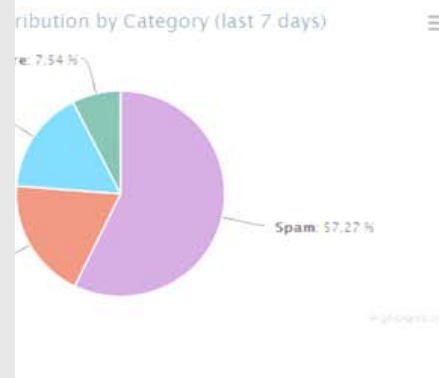
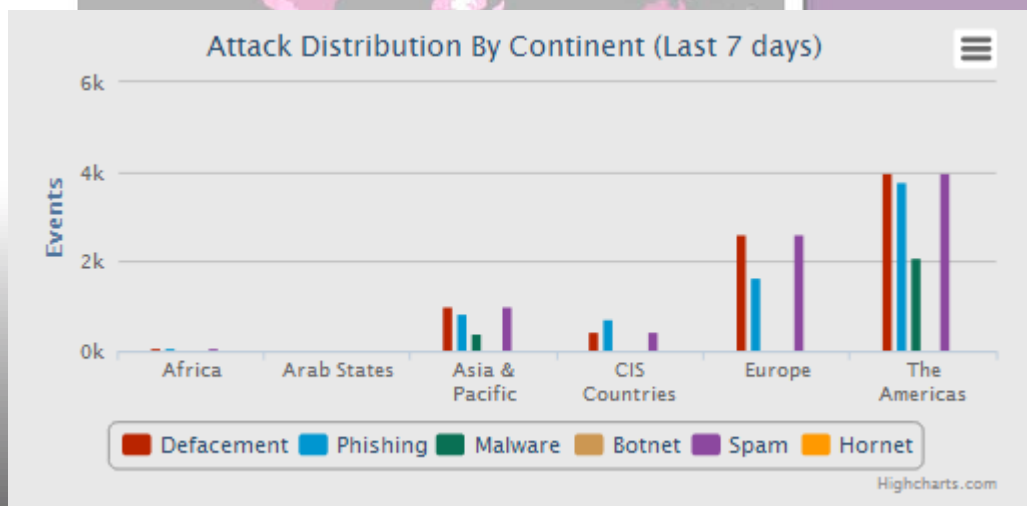


AWARE

Abuse Watch Alerting & Reporting Engine



Comparison of attack distribution by region



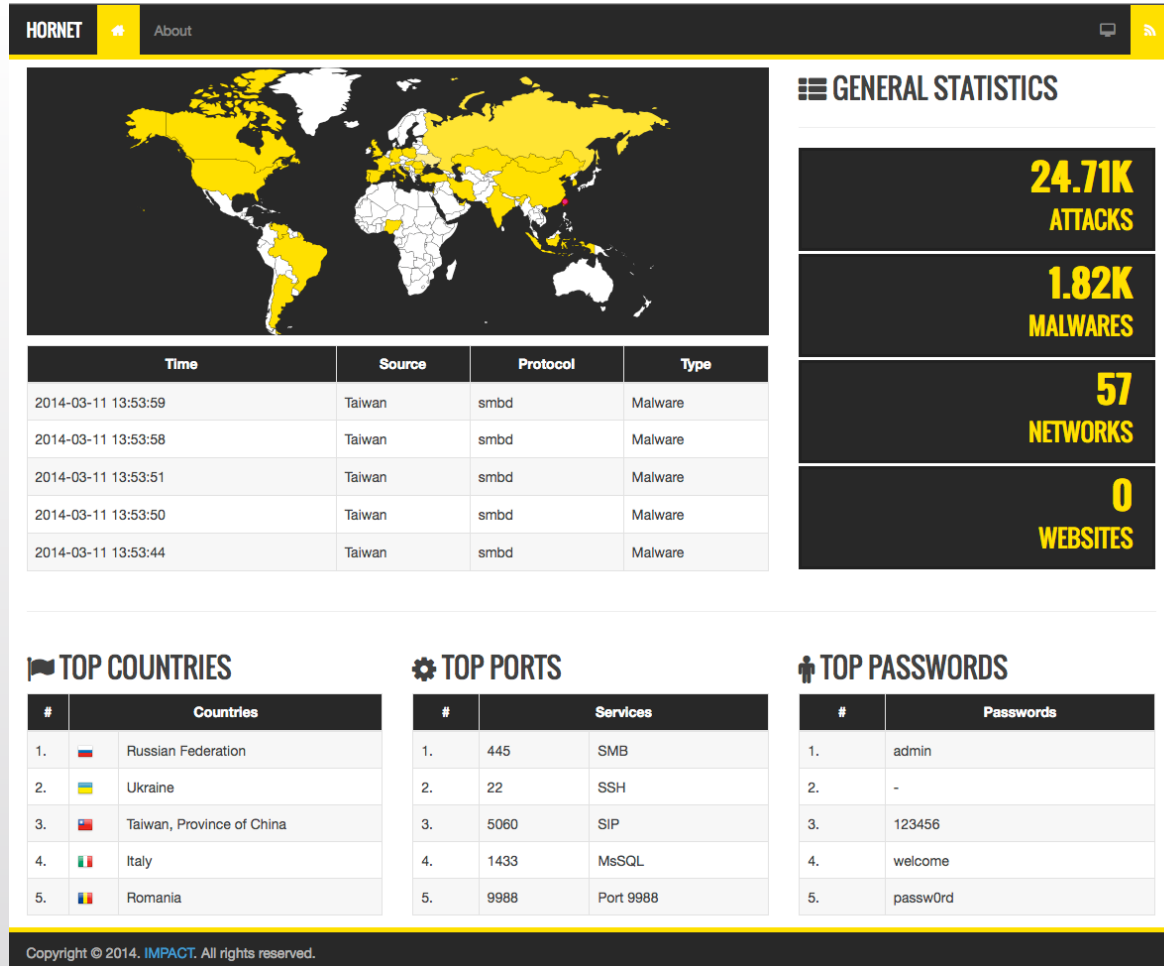
HORNET

Honeypot Research Network



HORNET

Statistics collected from all HORNET sensors for the last seven (7) days.





ITU Cyber Security Forum and Cyber-Drill
9-11 December 2013, Lao Plaza Hotel, Vientiane, Lao PDR

HOSTED BY
CERT
STRATEGIC PARTNER
ABIresearch
PARTNERS
TUIX



IMPACT
INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS



Thank you

 www.facebook.com/impactalliance



IMPACT
Jalan IMPACT
63000 Cyberjaya
Malaysia

T +60 (3) 8313 2020
F +60 (3) 8319 2020
E consult@impact-alliance.org
W impact-alliance.org

