

IMPACT

INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS



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ITU-T SG17 Meeting in Geneva, April 2010

About IMPACT

Non-profit organisation

Focused on “upper end of cyber threats”

International & multilateral in nature

Public-private partnership

Global HQ – Cyberjaya, Malaysia

Staffed by international team of experts



Global Coalition

Industry
Experts



Academia



International
Bodies



Think
Tank



191
Partner
Countries

IMPACT Partner Countries

No.	Confirmed Partner Countries
1	Afghanistan
2	Andorra
3	Bulgaria
4	Burkina Faso
5	Cape Verde
6	Costa Rica
7	Côte d'Ivoire
8	Democratic Republic of Congo
9	Ghana
10	Italy
11	Kenya
12	Lao PDR
13	Malaysia
14	Mauritius
15	Moldova
16	Montenegro
17	Morocco
18	Nepal
19	Nigeria
20	Philippines
21	Poland
22	Romania
23	Saudi Arabia
24	Serbia
25	Seychelles
26	Sudan
27	Switzerland
28	Syrian Arab Republic
29	Tanzania
30	Uganda
31	UAE
32	Zambia
33	Gabon
34	Austria
35	Israel
36	Vatican
37	Egypt

IMPACT International Advisory Board



Eugene Kaspersky – Founder and CEO of Kaspersky Lab



Dr. Hamadoun Touré – Secretary General of International Telecommunications Union (ITU)



Mikko Hypponen – Chief Research Officer of F-Secure



Steve Chang – Founder and Chairman of Trend Micro



Ayman Hariri – Chairman of Oger Systems



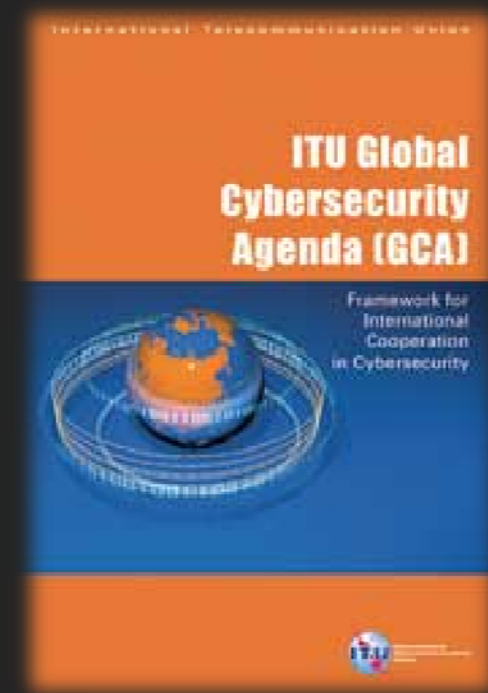
John W. Thompson – Chairman of Symantec Corporation



Prof. Fred Piper – Cryptologist, Founder of the Information Security Group at Royal Holloway, University of London

Partnership with UN/ITU

- IMPACT to operationalise UN's global cybersecurity initiatives through ITU.
- MOU with ITU in 2008 – IMPACT HQ in Cyberjaya will be the new physical home for ITU's **Global Cybersecurity Agenda (GCA)**
- GCA – framework for international cooperation aimed at enhancing confidence and security in the information society
- The GCA has fostered initiatives such as the Child Online Protection (COP) and through its partnership with IMPACT and with the support of leading global players is currently deploying cybersecurity solutions to countries around the world.



UN/ITU's Global Cybersecurity Agenda (GCA) Framework

Global Cybersecurity Agenda

Capacity Building

Legal
Measures

International
Cooperation

Organisational
Structures

Technical &
Procedural
Measures

IMPACT-ITU Child Online Protection

- The Child Online Protection (COP) initiative aims to tackle cybersecurity holistically addressing legal, technical, organisational and procedural issues as well as capacity building and international cooperation.
- COP's key objectives are:
 - Identify key risks and vulnerabilities to children in cyberspace;
 - Create awareness of the risks and issues through multiple channels;
Develop practical tools to help governments, organizations, industry and educators minimize risk;
 - Share knowledge and experience while facilitating international strategic partnerships to define and implement these concrete goals.



IMPACT-ITU Child Online Protection

Building the largest repository of Child Online Protection materials

Creating awareness through partners

Promoting capacity building

IMPACT-ITU to formulate policies

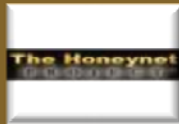


Some of IMPACT's Key Partners

International Organisations



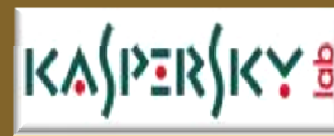
Internet / Cyber Security Org



Academia

Over 225 universities in
IMPACT's network

Industry Partners



.. and many more

IMPACT's 4 Pillars

Global Response Centre



Centre for Training & Skills Development



Centre for Security Assurance & Research



Centre for Policy & International Cooperation

IMPACT Services

Global Response Centre

- Incident response coordination, reporting & analysis
- Network early warning system (NEWS)
- Collaborative platform for experts (ESCAPE)
- IMPACT GRC Sensor Networks (IGSN)

Training & Skills Development

- International certification programs (SANS, EC-Council, (ISC)²)
- Specialised skill trainings
- Specialised seminars, workshops & conferences

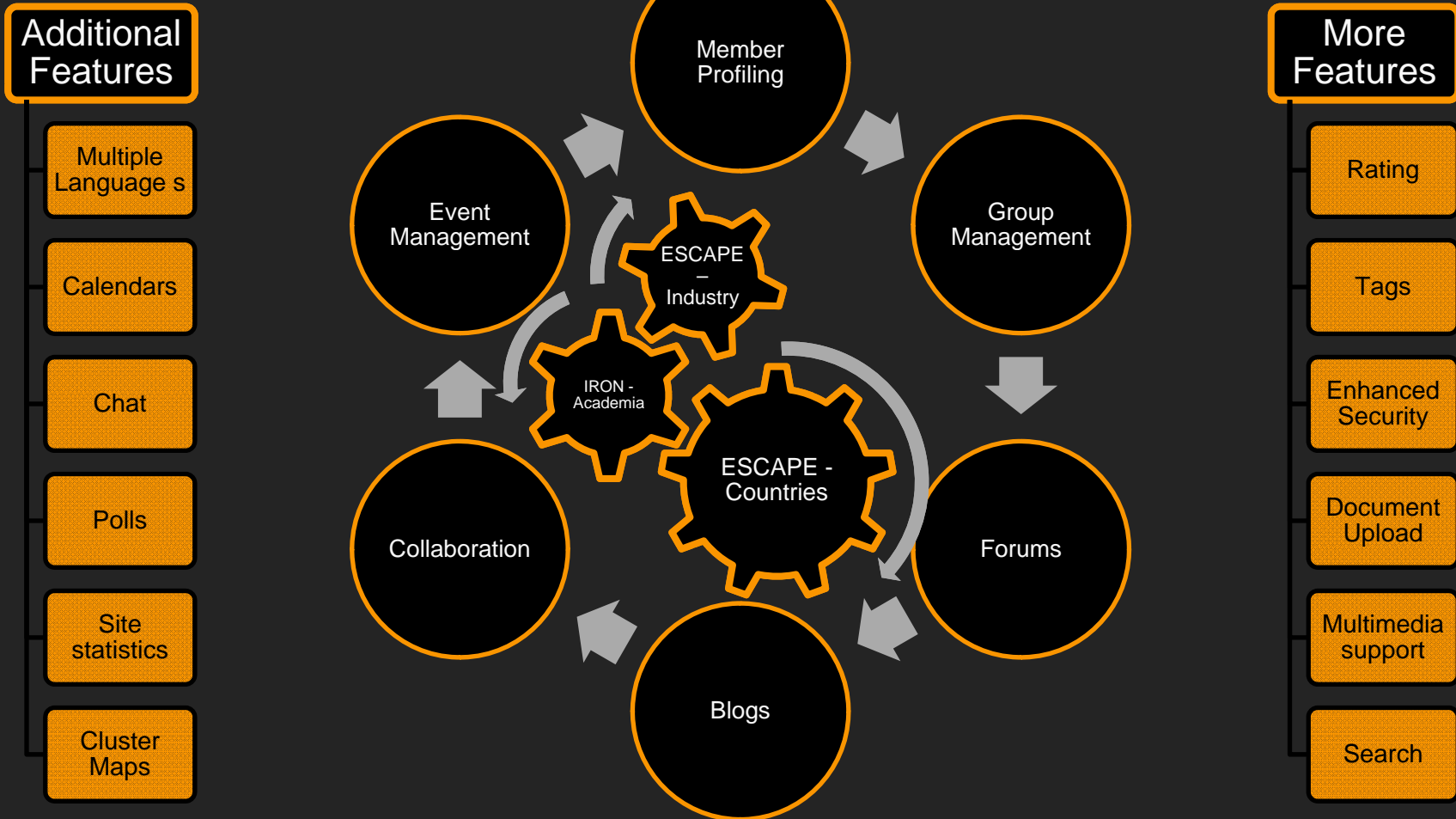
Security Assurance & Research

- IMPACT Government Security Scorecard (IGSS)
- Computer Incident Response Team – CIRT-Lite
- Security audits, international best practices
- IMPACT Research Online Network (IRON), joint research efforts

Policy & International Cooperation

- Formulation of policies
- Advisory services on policy and regulatory to partner countries
- Cooperation & collaborations
- Child Online Protection (COP)

ESCAPE Features



Simplified User Management + **Clean GUI** + **Integrated Solution**

NEWS Features

IMPACT

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Remember

Threat Map

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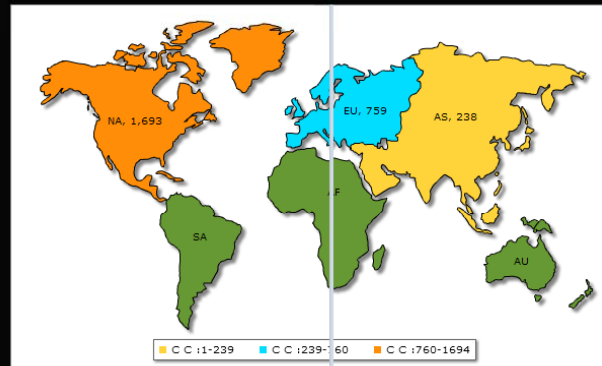
Site Actions

C & C Servers

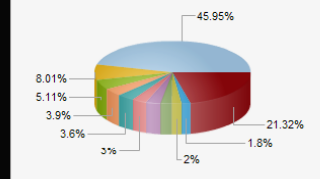
C & C Servers (past 24 hours)



C & C Servers continent wise (past 24 hours)



C AND C SERVERS



Country	Number Of Servers	Percentage
US (United States)	1524	45.8%
DE (Germany)	266	0.0%
CA (Canada)	169	5.1%
GB (Great Britain)	130	3.9%
NL (Netherlands)	121	3.6%
CN (China)	101	3.0%
FR (France)	99	3.0%
RU (Russian Federation)	78	2.3%
SE (Sweden)	65	2.0%
KR (South Korea)	59	1.8%

Go

Site Actions

2 3 4 5

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Agent.AF
leadTail.A

W32/Bakted.A
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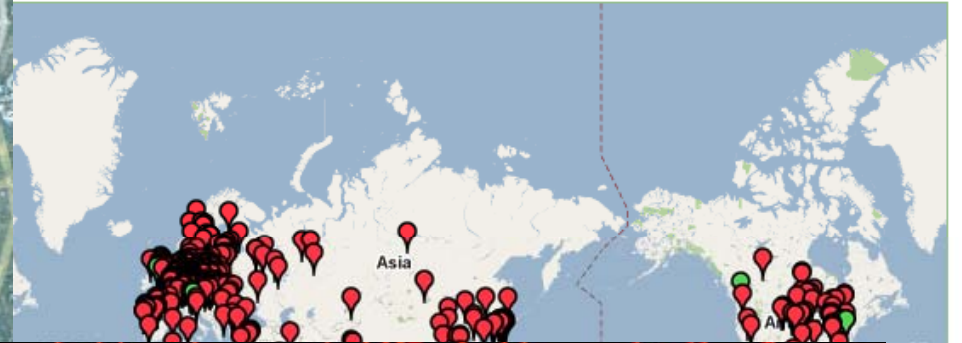
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IMPACT GRC Sensor Networks

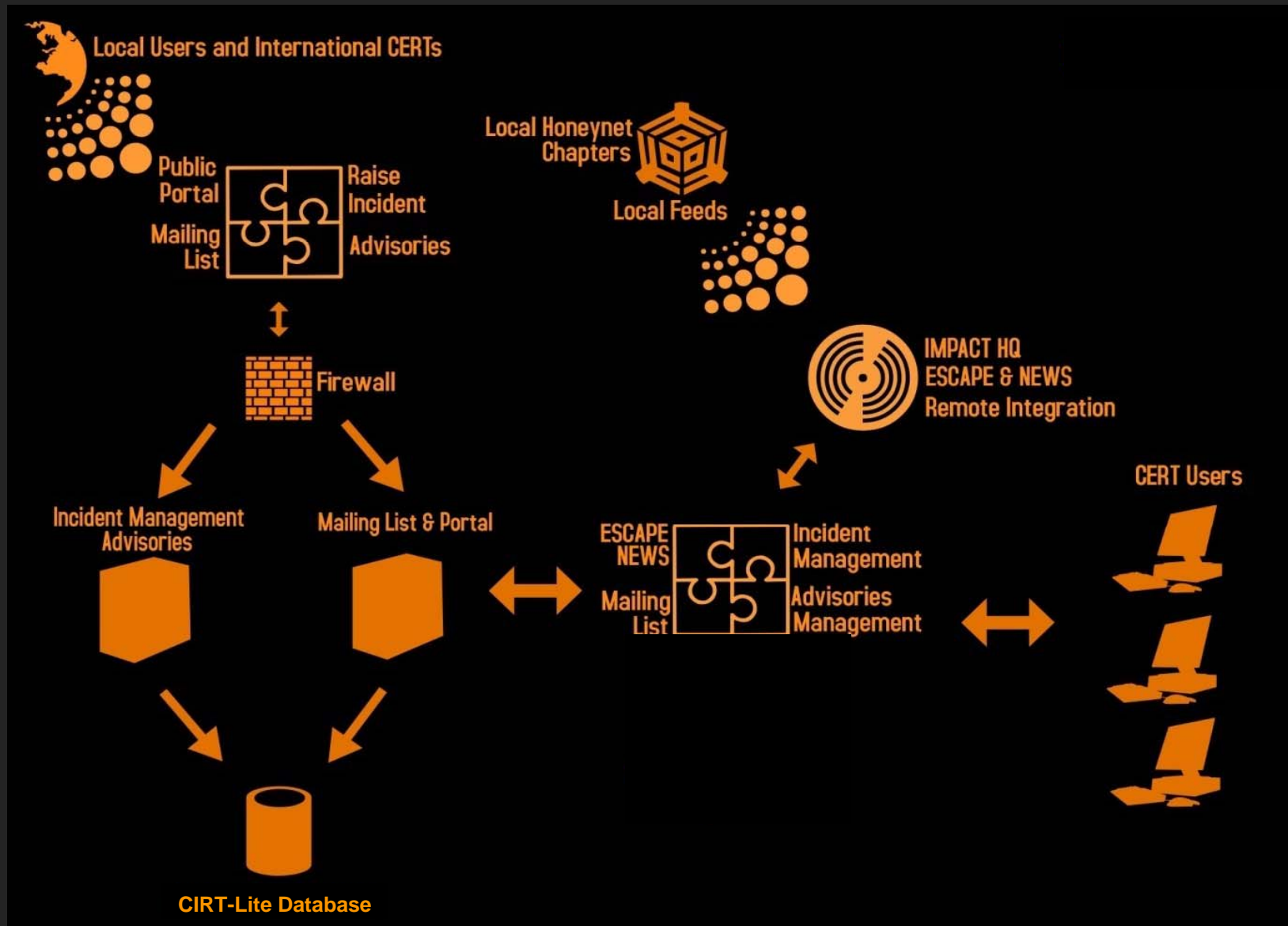
Map

World Map

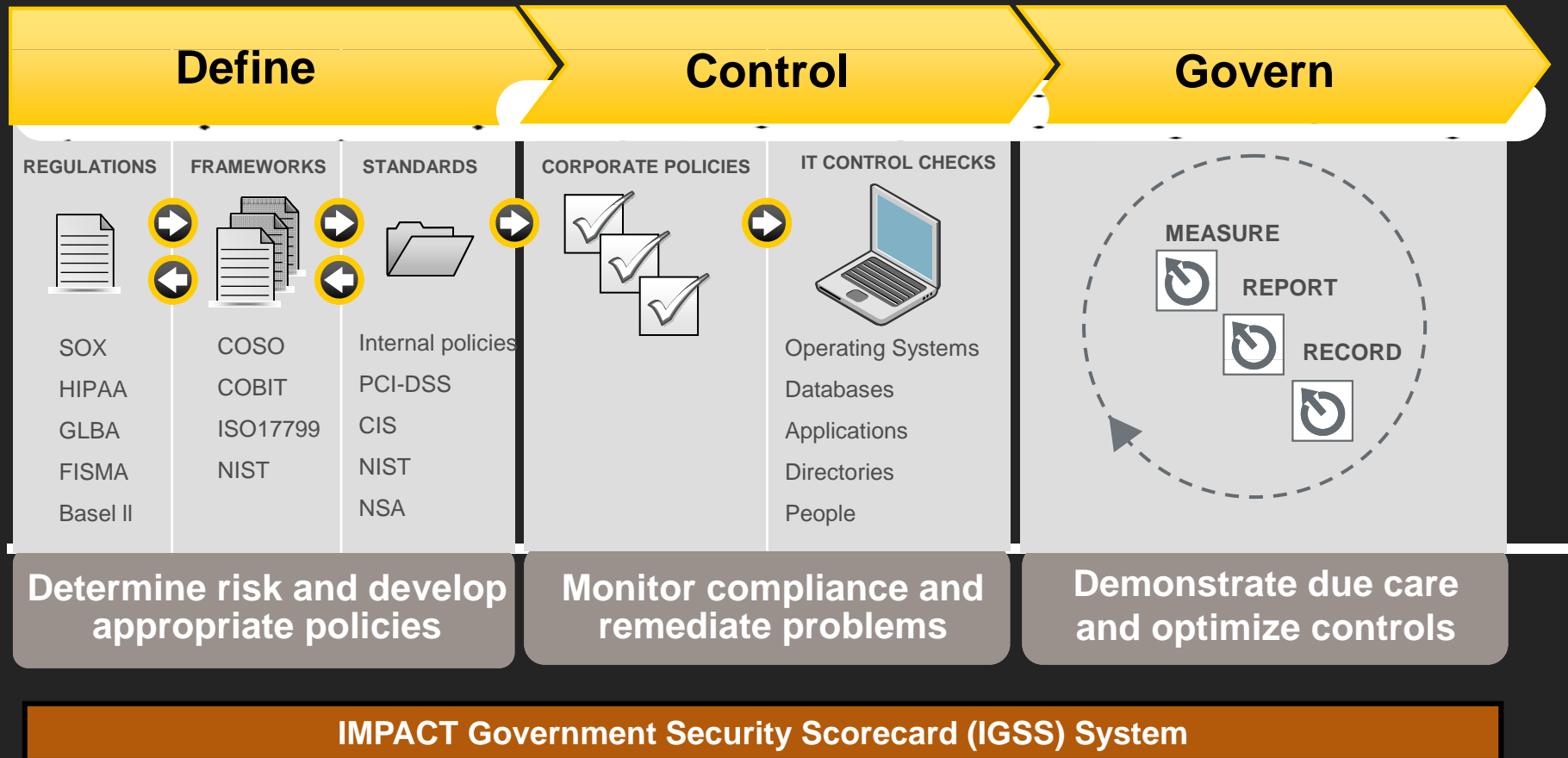
map depicts the attackers of the last three days:



IMPACT CIRT-Lite Architecture



IMPACT IGSS Architecture



Some Key Activities by Division

Global Response Centre

Afghanistan Mission	Incident Response Coordination for Partner Countries	Dissemination of Threat Information to Partner Countries	IMPACT GRC Sensor Networks pilot projects	Honeynet Project Workshop	ISO/IEC 27037 (Co-editor)
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Some Key Activities by Division (cont...)

Training & Skills Development

IMPACT
Network
Investigation
for Law
Enforcement
Training

IMPACT-
SANS
Trainings

IMPACT
Network
Forensics &
Investigations
Training

IMPACT
SecurityCore
Trainings

Developed
Cybersecurity
Training
Roadmap

Some Key Activities by Division (cont...)

Security Assurance & Research

IGSS Pilot
Project for
Malaysian
Government

MoU Signing
with
Universities &
Colleges

ISO/IEC
27001
Certification
(ISMS)

PacCERT
Establishment
Project

CIRT-Lite
Deployment

Some Key Activities by Division (cont...)

Policy & International Cooperation

IMPACT-
Industry
Partner
Media
Roundtable

IMPACT-
Microsoft
Critical
Information
Infrastructure
Protection
Seminar

IMPACT-
Kaspersky
Seminar on
Formulating
Effective
Global
Counter-
Phishing
Efforts

IMPACT-
Trend Micro
Seminar –
The Botnet
Storm:
Challenges &
Global
Cooperation

IMPACT
Quarterly
Report to ITU

IMPACT

INTERNATIONAL MULTILATERAL PARTNERSHIP AGAINST CYBER THREATS

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