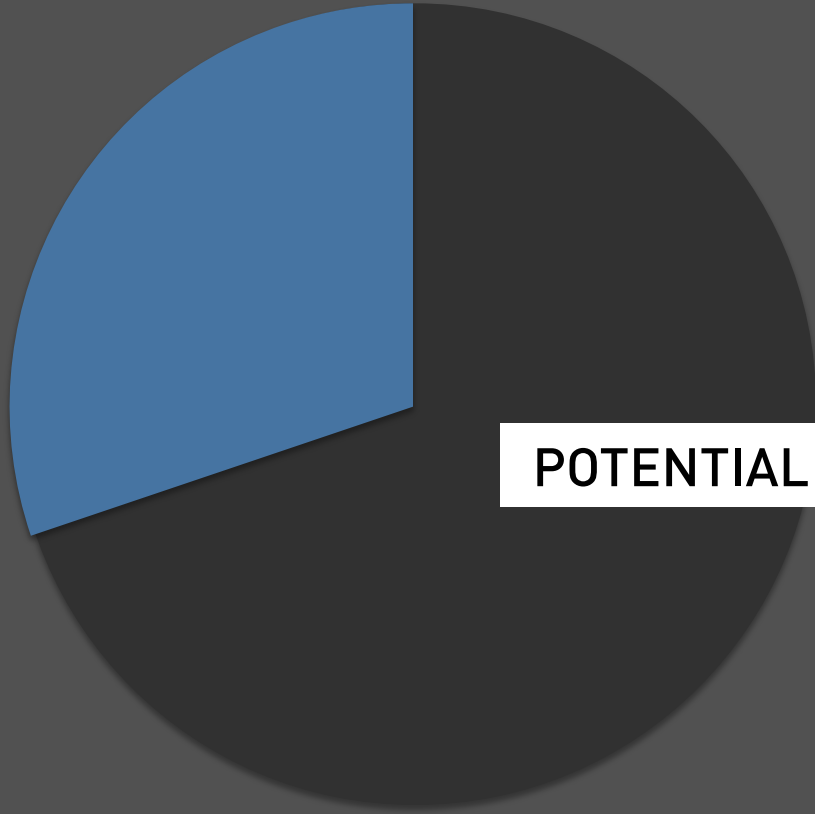


**CYBERSECURITY
RECENT DEVELOPMENTS
BANGKOK, 23.03.2015**

PROF DR MARCO GERCKE

RELEVANCE FOR THAILAND



POTENTIAL FOR FURTHER ECONOMIC DEVELOPMENT

GREAT IMPORTANCE OF ICT

TREND IN THE ASIAN REGION

2013: 29% INDIVIDUALS USED INTERNET

RELEVANCE FOR THAILAND

PRIVATE SECTOR

INDIVIDUAL USERS

GOVERNMENT

MILITARY

RELEVANCE FOR PRIVATE SECTOR

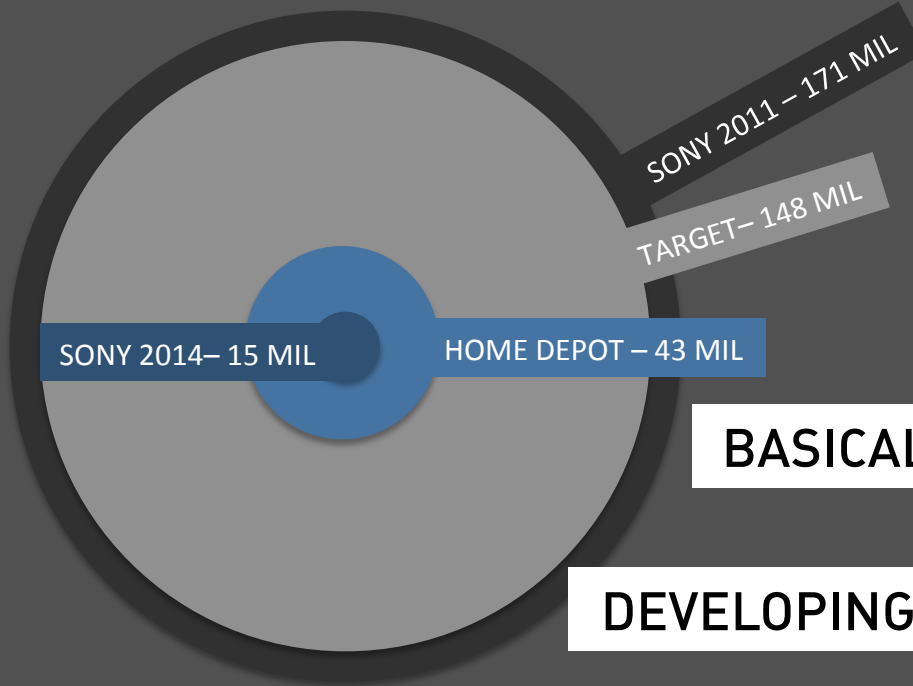
CYBERSECURITY IS A MAJOR CONCERN

BASICALLY ALL BUSINESSES THAT USE ICT ARE

VULNERABLE

DEVELOPING A RESPONSE STRATEGY CHALLENGING

RELEVANCE FOR PRIVATE SECTOR



LOSSES ARE INCREASING

BASICALLY ALL BUSINESSES THAT USE ICT ARE

VULNERABLE

DEVELOPING A RESPONSE STRATEGY CHALLENGING

RELEVANCE FOR PRIVATE SECTOR



RESPONSE ESPECIALLY CHALLENGE FOR SME

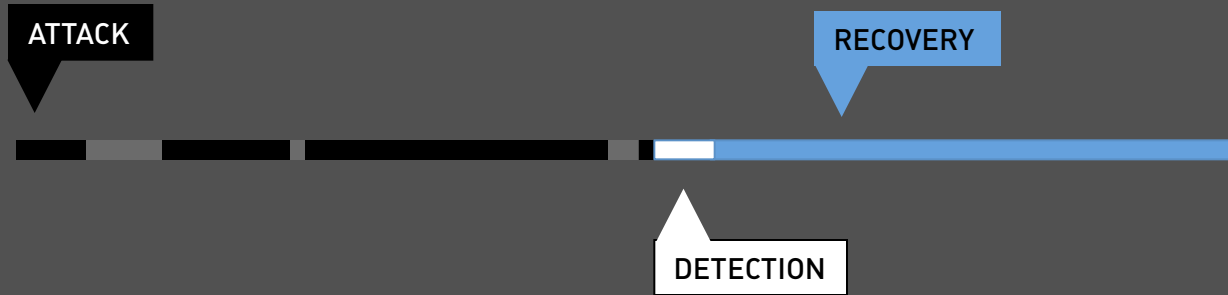
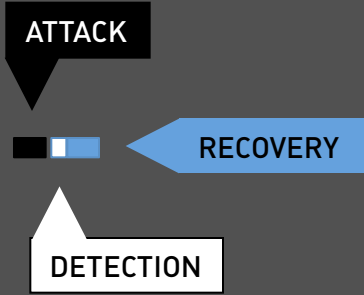
WHAT ARE BEST PRACTICES?

WHICH TECHNICAL STANDARDS WORK?

HOW TO DRAFT A PROPER STRATEGY?

COMPLEXITY

**ADVANCED PERSISTENT
THREATS**



RELEVANCE FOR PRIVATE SECTOR

CYBERSECURITY USED TO BE TECHNICAL ISSUE
TODAY EVEN C-LEVEL NEEDS TO DEAL WITH THE ISSUE

RELEVANCE FOR PRIVATE SECTOR

**THREATS DEVELOP AT HIGH SPEED
COMPANIES ARE LOOKING FOR GUIDANCE**

COMPLEXITY

DDOS



A diagram illustrating a single attack. A black arrow labeled 'DDOS' points to a blue square representing a system.

**ATTACKS BECOME MORE
COMPLEX**

DATA BREACH



A diagram illustrating multiple attacks on a system. A central blue square represents the system. Four black arrows point towards it from different directions: 'DDOS' from the left, 'DAMAGE OF REPUTATION' from the right, 'ATTACK AGAINST INTERNAL SYSTEMS' from the bottom, and 'DATA BREACH' from the top.

DDOS

DAMAGE OF REPUTATION

ATTACK AGAINST INTERNAL SYSTEMS

COMPLEXITY

**ATTACKS BECOME MORE
COMPLEX**

MOVIES LEAKED

PERSONAL DATA LEAKED

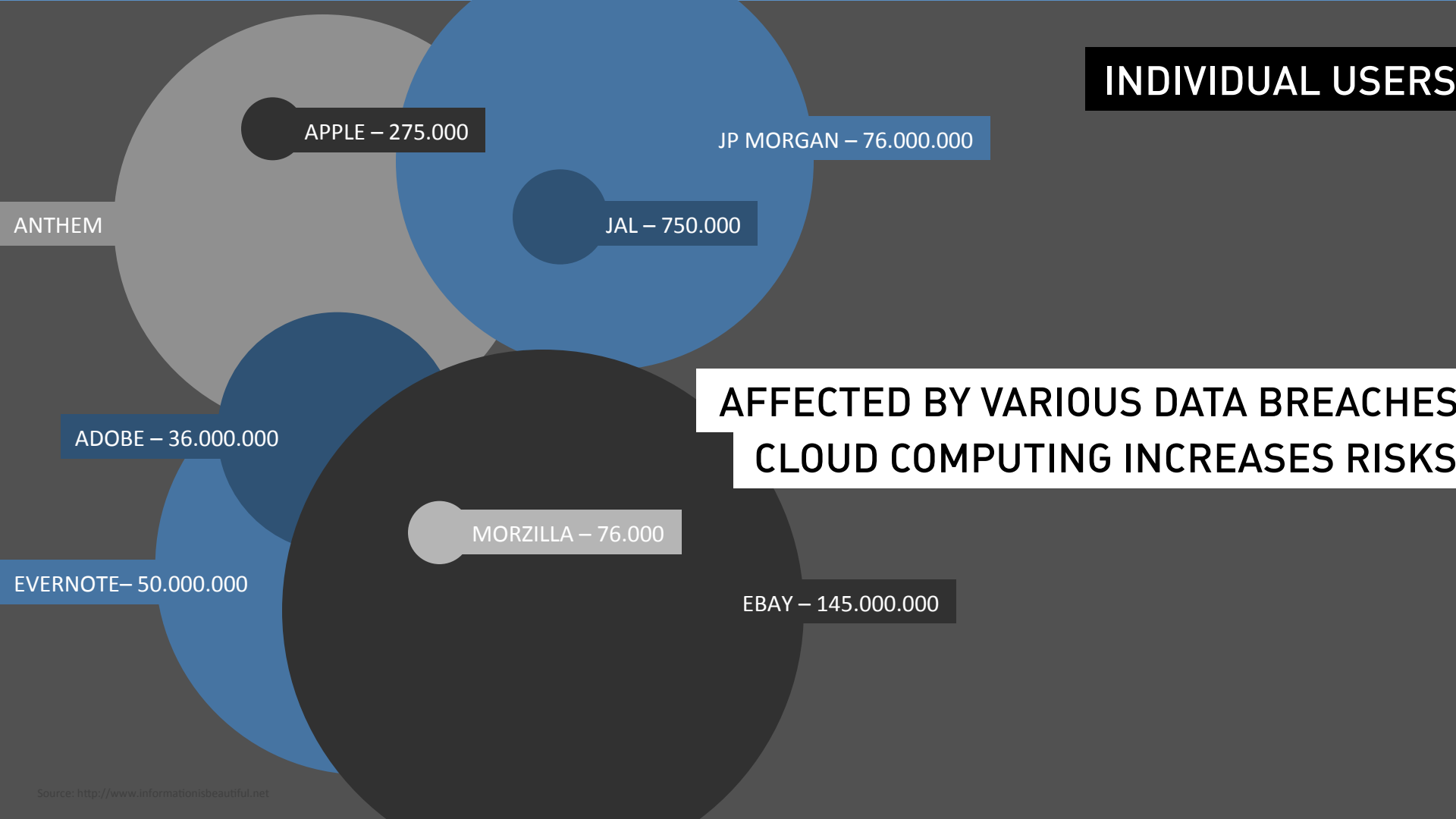
INTERNAL SYSTEMS

SONY

TARGETING EMPLOYEES

SYSTEMS AFFECTED

INDIVIDUAL USERS



AFFECTED BY VARIOUS DATA BREACHES
CLOUD COMPUTING INCREASES RISKS

GOVERNMENTS

**ATTACKS AGAINST GOVERNMENTS
AND STATE-STATE LEVEL ATTACKS**

ARE INCREASING

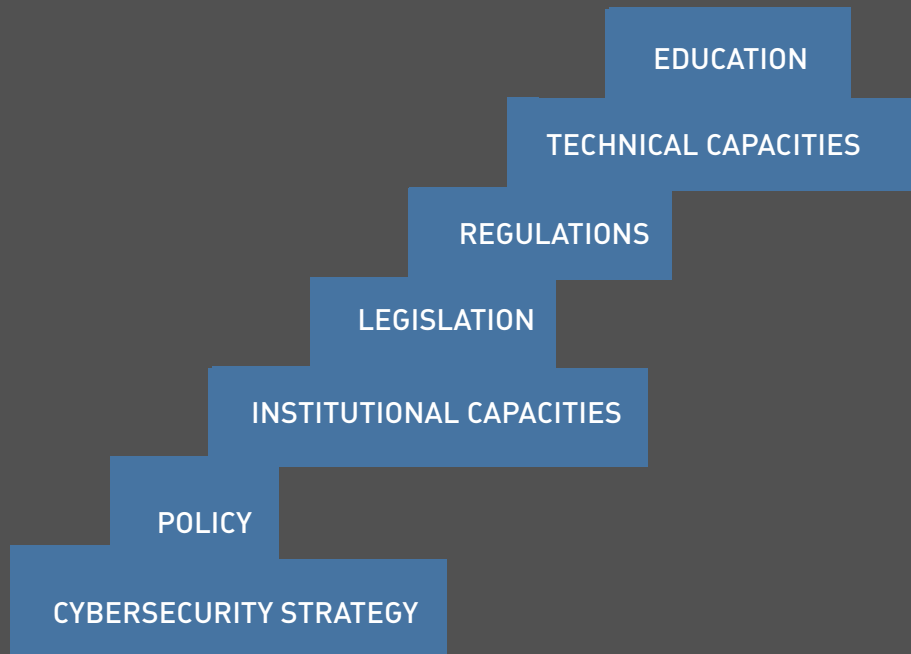
LACK OF BINDING STANDARDS

GOVERNMENTS

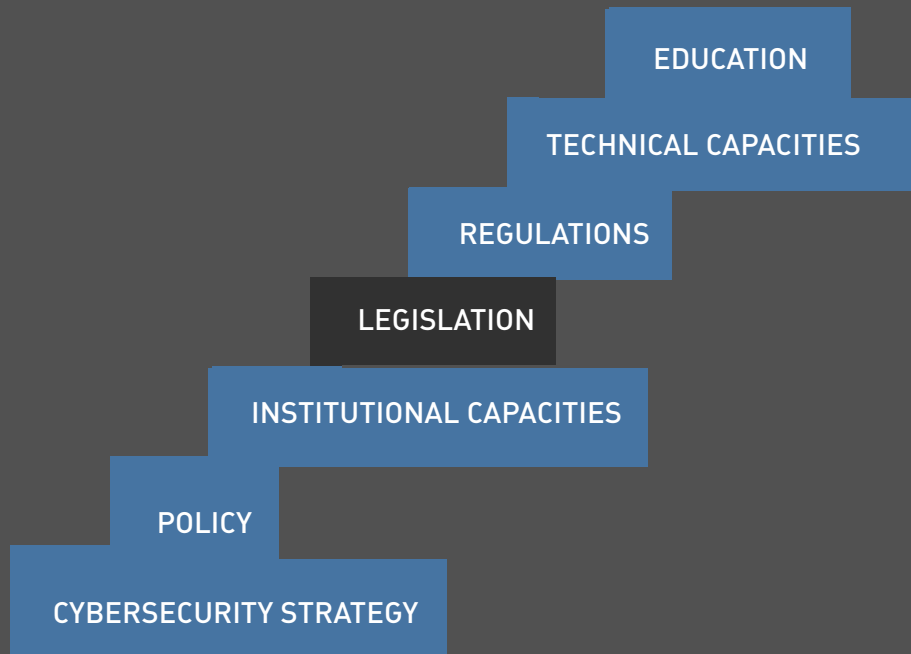
**CHALLENGING TO DEVELOP THE NECESSARY
STRATEGIES, POLICIES, LEGISLATION AND REGULATION
AND KEEP THEM UP-TO-DATE
CONSTANT REVIEW REQUIRED**

**INCREASING USE OF ICT BY ARMED FORCES
VULNERABILITIES WITH REGARD TO ATTACKS
DEBATE ABOUT CYBER-WARFARE CAPACITIES**

COUNTRIES RESPONSE



COUNTRIES RESPONSE



EXAMPLES FOR CURRENT LEGAL APPROACHES



UNITED STATES

EUROPEAN UNION

AFRICAN UNION

SADC

COUNTRIES RESPONSE

DEFINITIONS

DEFINITIONS

SPECIALIZED COORDINATING BODY

SPECIALIZED COORDINATING BODY

CERT

CERT

COOPERATION BETWEEN AUTHORITIES

COOPERATION BETWEEN AUTHORITIES

REPORTING OBLIGATION

REPORTING OBLIGATION

SERVICES FOR COMPANIES AND USERS

SERVICES FOR COMPANIES AND USERS

SPECIAL OBLIGATIONS FOR NCI

SPECIAL OBLIGATIONS FOR NCI