

Cybersecurity and Education Development of National Capacity

ITU Regional Cybersecurity Forum for Europe and the Commonwealth of Independent States (CIS)

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www.diplomacy.edu

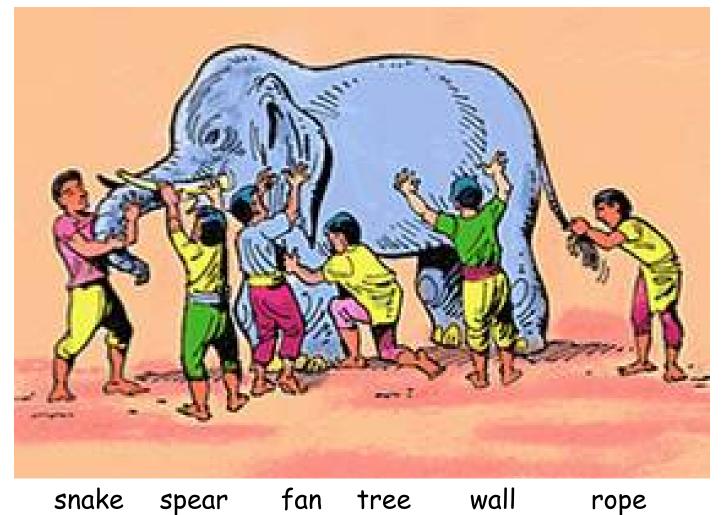
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Different Perspectives

- Politicians
- Lawyers
- Business
- NGOs
- Insurers
- Academics
- The Media
- IT security
- ... others...



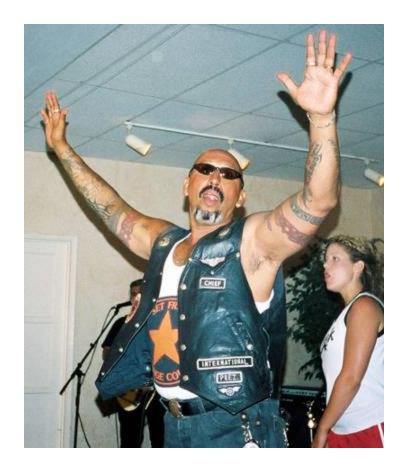
Are they different from the six blind men describing an elephant?

Provided by Ed Gelbstein

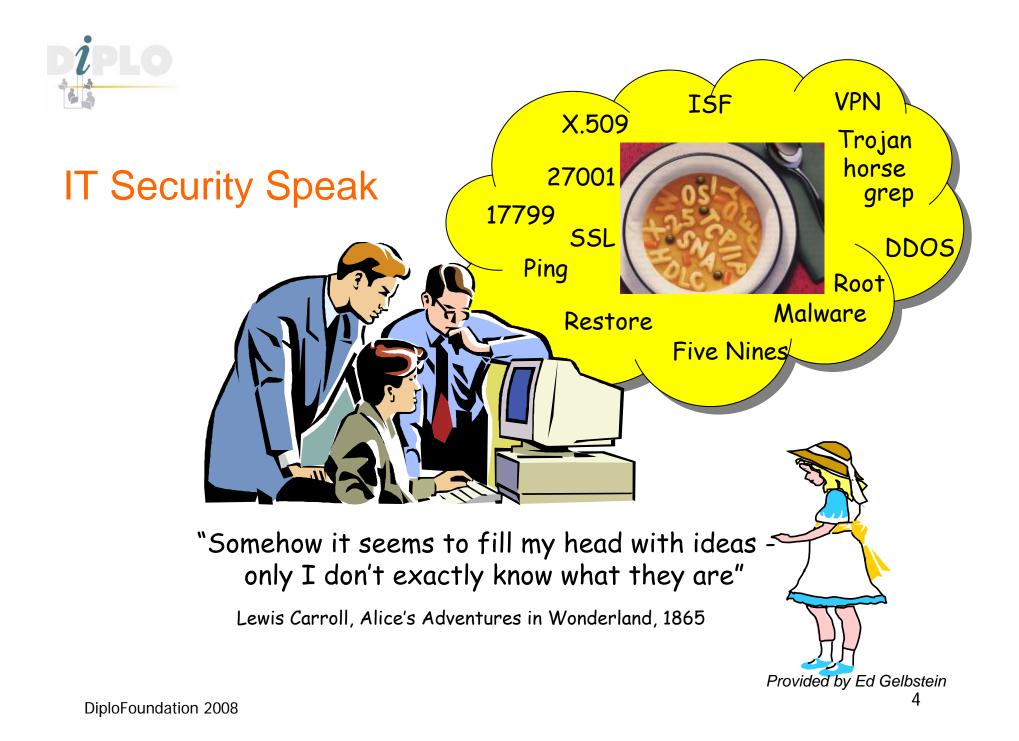


How to Communicate?





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- Parliamentarians Need to be re-elected
- Government Officials Risk Avoidance + Focus on Procedures
- IT People Solution Oriented + "Algorithm Approach"
- Media Sensation & Front-page Story Cybersecurity as "Scary" and Attractive Topic
- Civil Society Focus on Human Rights
- Academia Comprehensive and Sometimes Slow Approach

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How to address these challenges?

- Introduce inter-professional communication in the cybersecurity curriculum (academic courses and professional training)
- Multistakeholder composition of student / participant groups opening trainings to other professional and institutional groups
- "Walk the talk" use online tools for training and community building
- Encourage peer-to-peer collaboration involve experienced peers as intermediaries between senior experts and new trainees
- Introduce "Learning by Doing" combine training and practice
- Introduce National Cybersecurity Capacity Development



Cybersecurity Capacity Development

- I. Course (online or blended)
- II. Policy Research
- III. Policy Immersion
- IV. Facilitating Communities of Practice





Cybersecurity Capacity Development and the ITU Toolkit

ITU Cybersecurity Toolkit

"The identification of specific training requirements and ongoing training programs should be made."

(National strategy, part C.6)



Self-Assessment Toolkit

Capacity Development

Incorporating the Toolkit into the course, policy research and immersion as a baseline for practical follow-up initiatives

Broader context:

Global Cybersecurity Agenda



Cybersecurity Course

Foundation Course (one month)

- Ensures basic understanding and shared context
- Guides participants with varied backgrounds
- Creates an initial community and shares knowledge

Advanced Courses (one month)

- Explore important issues in depth
- Provide multiple perspectives
- Engage participants experience and views



Online collaborative research

- Initial training provides context and background for policy research (what is policy? how to do a policy research?)
- Research of the national and regional challenges and status, and impact of relevant policies (what, who, where, how, when?)
- Research results published and disseminated to decision makers

Policy Research

NATIONAL INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) POLICY

BΥ

MINISTRY OF INFORMATION & COMMUNICATIONS

JANUARY 2006

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Policy Immersion



NFORMATION TECHNOLOGY OF THE REPUBLIC OF BULGARIA



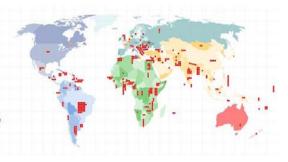




- Practice oriented
- Participation in policy processes
- Links with international organisations
- Opportunity to apply previous training
- Merit-based selection



Communities of Practice



Establishing Communities of Practice

- Functional integration of ITU's Cybersecurity Toolkit into National and Regional Initiatives
- Participants remain active and involved
- New initiatives from the Community
- Regional activities and links
- Impact on national, regional and international level
- Using ICTs for communication and collaboration



Does it work? Experience from Internet Governance

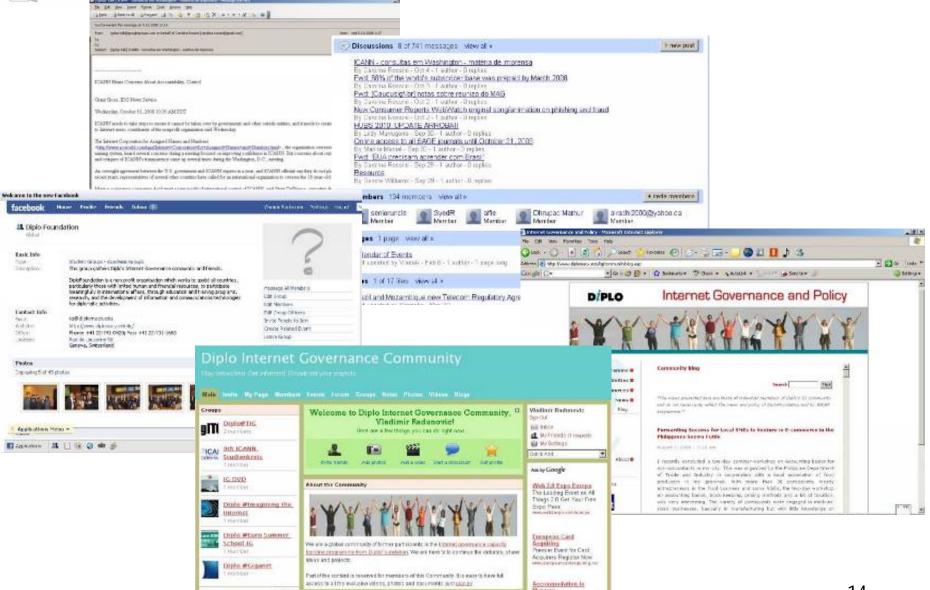
 Training of 400+ professionals worldwide over the last 4 years

 Establishment of National, Regional and Global Expert Communities

Continuous communication after the training



Communities of Practice





Communities of Practice





Next Steps?

Framework:

Global Cybersecurity Agenda

Toolkit:

Use of ITU Cybersecurity Toolkit

Action:

Introduce National, Regional and Global Cybersecurity Capacity Development

Approach:

Walk the talk – Online Trainings and Community Building

Principle:

Multistakeholder Participation

Planning:

Development Period: 4-6 Months



About DiploFoundation

- Involved in Online Learning Since 1996 (as part of the Mediterranean Academy of Diplomatic Studies)
- Established as Independent Foundation by Governments of Malta and Switzerland in 2002
- Offices in Malta, Geneva and Belgrade
- 20 full-time and 40 part-time staff
- UN ECOSOC Special Consultative Status
- Alumni of 1000 diplomats, officials and academics



What Diplo Does

- Capacity Building Programmes
- Academic Courses (M.A., short courses)
- Development of Tools and Methodologies for Information and Knowledge Management
- Innovative approaches to learning always engaging, interactive and collaborative



Questions?





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www.diplomacy.edu or www.diplomacy.eu