Cybersecurity capacity development: trends, challenges and opportunities

E-commerce week: Cybersecurity and Cybercrime: New tools for better cyber protection

Geneva, April 2017

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Context
Changing environment
Cyber-dependence
Cyber-dependence

Source: IBM
Complexity of digital services

**Codebases**

Millions of lines of code

- simple iPhone game app
- Win32/Simile virus
- average iPhone app
- Pacemaker
- Windows 3.1
- Large Hadron Collider (root software)
- **Microsoft Office 2013**
- Facebook (including backend code)
- US Army Future Combat System
- Car software
- Average modern high-end car
- Mouse
  - Total DNA basepairs in genome
- Google
  - all internet services

Source: [http://www.informationisbeautiful.net/visualizations/million-lines-of-code/](http://www.informationisbeautiful.net/visualizations/million-lines-of-code/)
Asymmetry

Source: kaltoons.com
Initiatives

Key elements
Bilateral relations

Available at: https://digitalwatch.giplatform.org/
### Main multilateral instruments

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<th>Topic</th>
<th>GGE</th>
<th>OSCE</th>
<th>ARF</th>
<th>OAS</th>
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<td>Exchange of information</td>
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<td>CERT/CSIRT</td>
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<td>CI and CII</td>
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<td>Cybercrime and terrorism</td>
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<td>Reducing the risk of misperception</td>
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<td>Facilitating ongoing dialogue</td>
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<td>Multistakeholder approach</td>
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<td>Research</td>
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*Available at: [www.diplomacy.edu/cybersecurity](http://www.diplomacy.edu/cybersecurity)*
Lessons learned
Recommendations
Multidisciplinary area
Multiple professional cultures
Multidisciplinary cross-border education

INTERDISCIPLINARY INTERNET STUDIES
Geographical and stakeholder outreach
Collaborative responsibility
Comprehensive capacity building

Horizontal and vertical policy coherence
Horizontal and vertical policy coherence
This course aims to assist permanent missions and international organisations in Geneva to deal with fast emerging digital commerce issues. It provides an interdisciplinary coverage of e-commerce, from both digital and trade perspectives. The course is delivered by the Geneva Internet Platform (GIP), in partnership with the International Trade Centre (ITC), the Consumer Unity & Trust Society (CUTS International), the United Nations Conference on Trade and Development (UNCTAD), and DiploFoundation.
Kickstart of the Just-in-Time Course on Digital Commerce: Internet functionality and business models

26 April 2017
Room XXIII, Palais des Nations
Geneva, Switzerland

Key Issues

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Geneva Internet Platform

CUTS International

International Trade Centre

United Nations UNCTAD

DiPlo Foundation

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JUST-IN-TIME COURSE ON DIGITAL COMMERCE

26 April – 31 May 2017

This session, open to all UNCTAD e-commerce week participants, will kickstart the Just-in-Time Course on Digital Commerce delivered by the Geneva Internet Platform, in partnership with the International Trade Centre (ITC), the Consumer Unity & Trust Society (CUTS International), the United Nations Conference on Trade and Development (UNCTAD), and DiPloFoundation.

It will present an overview of the topics included in the first module of the course, dedicated to 'Internet functionality and online business models', including:

a. Basic Internet functionality of relevance for e-commerce

b. Flow of money, services and profit on the Internet that impacts digital commerce discussions

Speakers:

- **Mr. Jovan Kurbalija**, Director, DiploFoundation and Head, Geneva Internet Platform
- **Ms. Marion Jansen**, Chief Economist of the International Trade Centre
- **Mr. Rashid S. Kaukab**, Executive Director, CUTS International Geneva
- **Ms. Shamika N. Sirimanne**, Director, Division on Technology and Logistics, UNCTAD
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