Integrating Law and Policy Into Cyber Education

A COLLABORATIVE WORKSHOP

CHHS›
UNIVERSITY OF MARYLAND
CENTER FOR HEALTH &
HOMELAND SECURITY

About Us

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  - [Law and Policy of Cybersecurity](#)
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- Co-host, [Caveat Podcast](#)

Agenda

1. Importance of Law and Policy in Cybersecurity Education

2. Our Vision for Cybersecurity Law and Policy Curriculum Content

3. Open Discussion
   - What should a cyber law and policy curriculum include?
   - How do we keep content current and practical?
   - How do we promote and incorporate stakeholder input?

4. Group Takeaways

Importance of Law and Policy Education

- Cybersecurity is not exclusively a technical problem

- Cybersecurity education must incorporate legal and policy awareness to be effective

- Cybersecurity professionals and other stakeholders need resources to help them address vexing law and policy questions

NICE Framework Workforce Category

Oversee and Govern (OV)

Provide leadership, management, direction, or development and advocacy so the organization may effectively conduct cybersecurity work

Specialty Areas:

- Legal Advice and Advocacy

- Strategic Planning and Policy

- Cybersecurity Management and Executive Leadership

Our Vision: The Law and Policy of Cybersecurity

- Provide foundational understanding of legal, regulatory, and policy landscape

- Impart skills to analyze issues

- Empower students to advocate on behalf of their workplace, their clients, or themselves

Our Vision: The Law and Policy of Cybersecurity

- Law and Policy curriculum must be practical

- Curriculum must be tailored to the needs of particular students

- Curriculum must be flexible

- Curriculum should include established principles, but also include analysis of current events

- Interdisciplinary effort is necessary

Law and Policy In-Focus: Privacy

GDPR

Privacy Policies

CCPA

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Law and Policy In-Focus

Roles and Responsibilities of Government Agencies

Law and Policy In-Focus

Cybersecurity Legislation and Regulations

- Computer Fraud and Abuse Act (CFAA)

- Cybersecurity Information Sharing Act of 2015 (CISA)

- Federal Information Security Management Act (FISMA)

- Electronic Communications Privacy Act (ECPA)

- Health Insurance Portability and Accountability Act (HIPAA)

- State Laws and Regulation (Data breach notification laws, CCPA, NY DFS Cybersecurity Regulation)

Law and Policy In-Focus

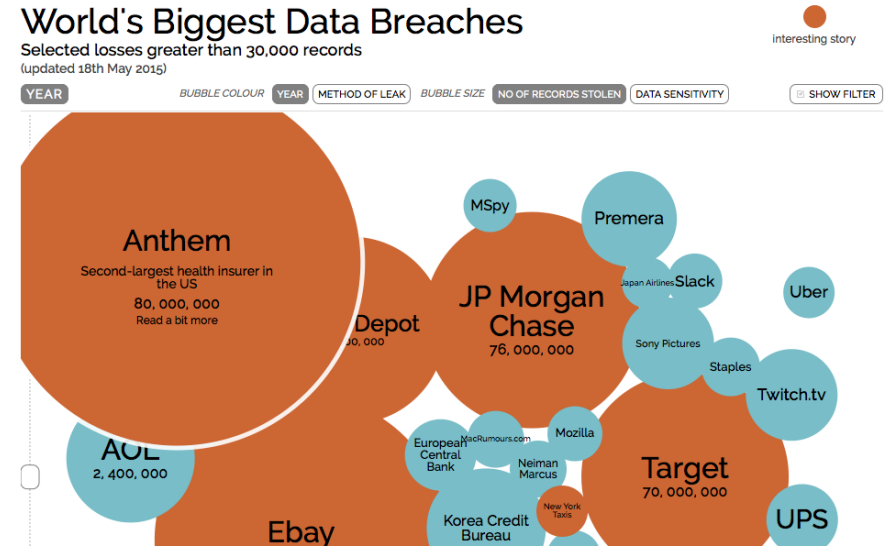## Critical Infrastructure Protection

- Cybersecurity and Infrastructure Security Agency (CISA)

- NIST Cybersecurity Framework

- Public-Private Sector Partnerships
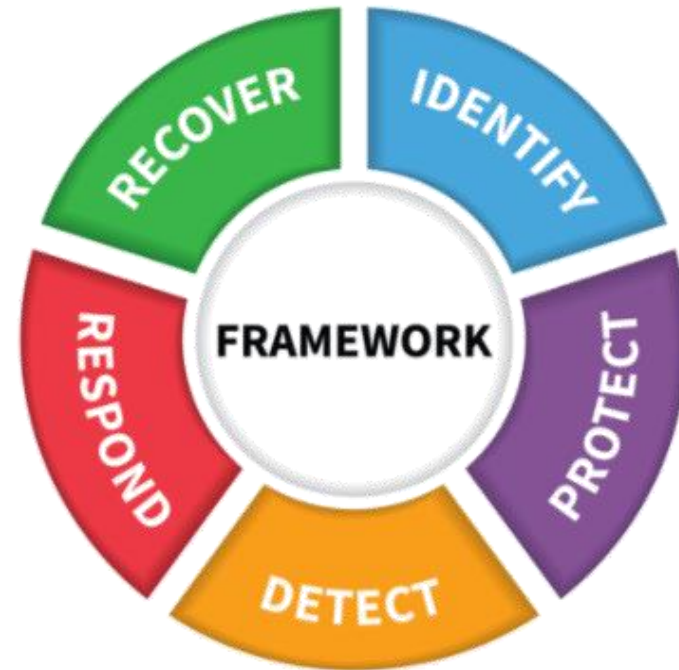
Law and Policy In-Focus

Data Breaches

- Origin and timeline

- Basis for liability

- Legal standing in data breach cases

- Response requirements and strategy

- State data breach notification laws

World's Biggest Data Breaches
Selected losses greater than 30,000 records
(updated 18th May 2015)

interesting story

YEAR   BUBBLE COLOUR YEAR METHOD OF LEAK BUBBLE SIZE NO OF RECORDS STOLEN DATA SENSITIVITY   SHOW FILTER

Anthem
Second-largest health insurer in the US
80, 000, 000
Read a bit more

MSpy
Premera
Japan Airlines Slack
Uber

JP Morgan Chase
76, 000, 000

Depot

Sony Pictures
Staples
Twitch.tv

AOL
2, 400, 000

European Central Bank
MacRumours.com
Mozilla
Neiman Marcus
New York Taxis

Target
70, 000, 000

Ebay
Korea Credit Bureau

UPS

Law and Policy In-Focus

International Law and Cybersecurity

- Law of War and Armed Conflict

- Jurisdiction

- International Cooperation and Cybercrime Investigations

- Personal Data and Privacy Regimes

Open Discussion

1. What should a cyber law and policy curriculum include?

2. How should content be conveyed to those who need it?

3. What are the best ways of keeping content current?

4. How do we keep content practical?

5. How do we best promote and incorporate stakeholder input?

6. What are the best ways for academia, the private sector, and government to work together on these issues?

Group Takeaways

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