



Funded by the  
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Cybersecurity within the European Union (EU)

# Legal Aspects of Cybersecurity

**Safeguarding against Phishing in the age of 4<sup>th</sup> Industrial Revolution**

**[www.cyberphish.eu](http://www.cyberphish.eu)**

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# *Learning Goal*



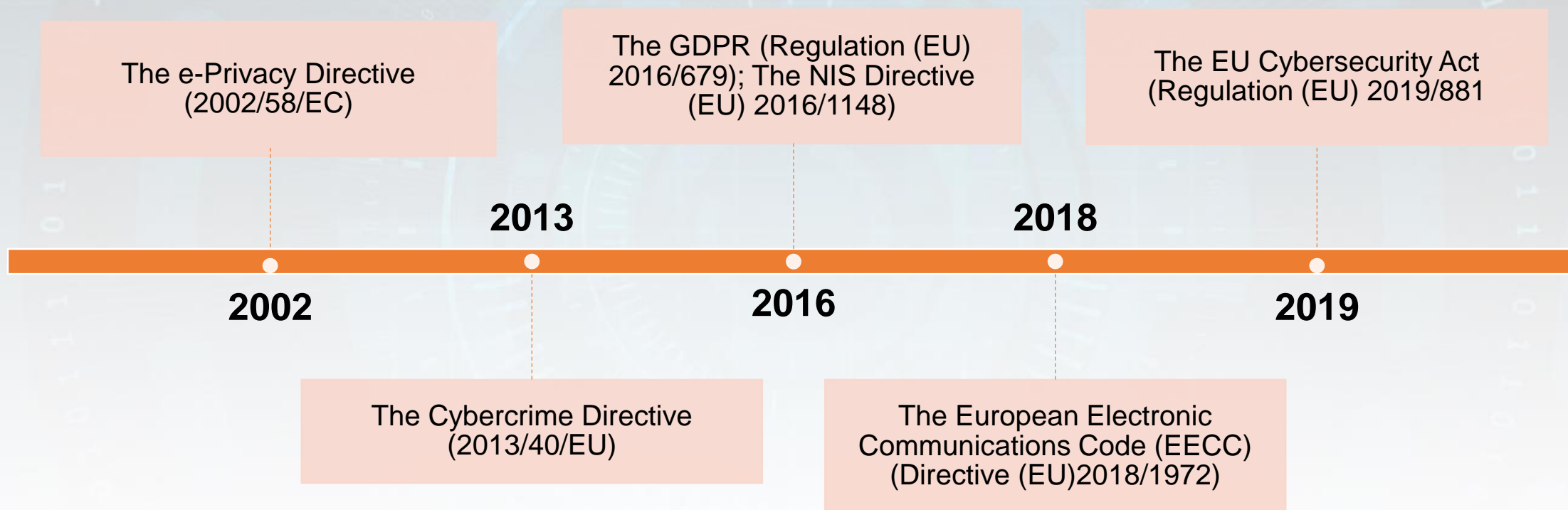
To gain better understanding of the legal aspects of cybersecurity – main directives and laws in Europe Union.

# Student Workload



Lecture	0,5 h
Audio and video material	0,5 h
Case studies	0,5 h
Further reading	1 h
Preparation for exam	1 h

# Timeline of Most Important EU Directives and Regulations



# Regulation vs Directive

“Regulations” and “Directives” operate differently in the EU legal framework

## Regulation

- Legislative act that applies automatically and uniformly to all EU member states as soon as it enters into force

## Directive

- Legislative act that sets out (policy) goals that all EU member states must achieve

# *The e-Privacy Directive*

*(2002/58/EC)*

**When?** 2002

**Why?** *Processing of personal data and its protection of privacy*

**How it affects organisations?**

- *Erasing or anonymize the traffic*
- *Not using addresses for marketing purposes*



# GDPR

(Regulation (EU) 2016/679)

**When? 2016**

**Why? *Processing of users data***

**How it affects organisations and users?**

- *user has to provide a consent to data processing for each purpose is used for*
- *proceession of personal date requires legal basis*
- *users have right to be forgotten*
- *limits on the use of profiling*

# *The NIS Directive*

*((EU) 2016/1148)*

**When?** 2016

**Why?** *Security requirements in Digital service providers (DSPs) and operators of essential services (OESs)*

**How it affected providers and operators?**

- *Technical measures to manage the risk of cyber security breaches*
- *Significant incidents reported to Computer Security Incident Response Teams (CSIRTs)*

**Update:** The draft of NIS2 directive was adapted by the European Parliament's Committee on Industry, Research and Energy on October 28, 2021.



# EECC: *European Electronic Communications Code*

(Directive (EU)2018/1972)

**When?** 2018

**Why?** Cybersecurity rules relevant to the communications sector

**Main aims:**

- *investment of very high-capacity networks (fiber, 5G)*
- *competition by establishing efficient infrastructure*
- *development of internal market*
- *protection of consumers*

# *The EU Cybersecurity Act*

*(Regulation (EU) 2019/881)*

**When?** 2019

**Why?** *Security of networks and information systems*

**Main aims:**

- *new mandates and tasks for ENISA*
- *European cybersecurity certification framework for ICT products, processes and services*

# Summary

The EU provides various regulations and directives that push member countries towards a more cybersecurity safe environment.

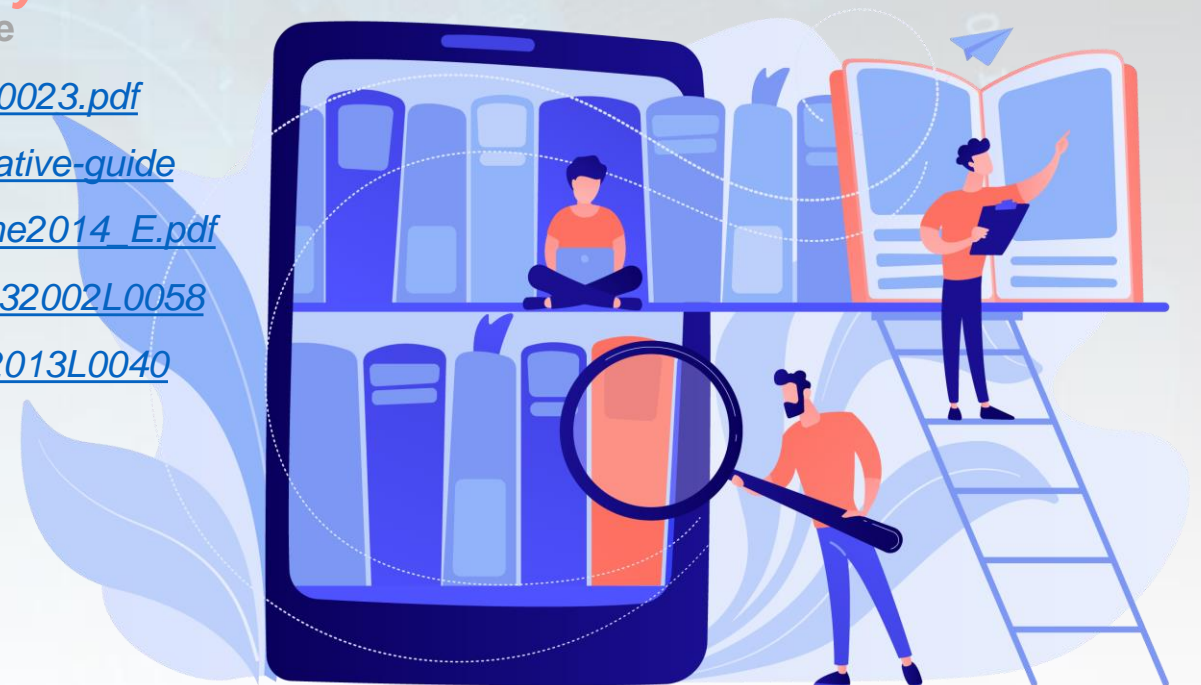


# Further Reading

## Legal aspects of Cyber security

Material used in preparation of this lecture

- <https://petsymposium.org/2019/files/papers/issue2/popets-2019-0023.pdf>
- <https://www.mondaq.com/security/963018/cybersecurity-comparative-guide>
- [https://www.itu.int/en/ITU-D/Cybersecurity/Documents/Cybercrime2014\\_E.pdf](https://www.itu.int/en/ITU-D/Cybersecurity/Documents/Cybercrime2014_E.pdf)
- <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32002L0058>
- <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=celex%3A32013L0040>
- <https://eur-lex.europa.eu/eli/reg/2016/679/oj>
- <https://eur-lex.europa.eu/eli/dir/2016/1148/oj>
- [https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L\\_.2019.151.01.0015.01.ENG](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2019.151.01.0015.01.ENG)
- [https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L\\_.2018.321.01.0036.01.ENG](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L_.2018.321.01.0036.01.ENG)



# Short Videos

- Cyber Security act:  
<https://youtu.be/JcH4kf2tLQ0>
- The EU General Data Protection  
<https://youtu.be/ED4lYu-0t5Y>
- NIS Directive  
<https://youtu.be/isL1xNBfTjA>





# Thank you!

