



**University of
Zurich^{UZH}**

Law Institute

**CENTER FOR
INFORMATION
TECHNOLOGY
SOCIETY AND
LAW — ITSLS**

Cybersecurity Law & Policy Conference

Liability for cybersecurity breaches and IoT

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Center for Information Technology Society and Law – ITSLS

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Overview

❖ Cybersecurity: notion and phenomenology

❖ International legal framework for cybersecurity

❖ IoT related security risks

❖ Liability challenges in the IoT

- Contract laws

- Tort laws

- Sector-specific laws

❖ Design of new legal rules



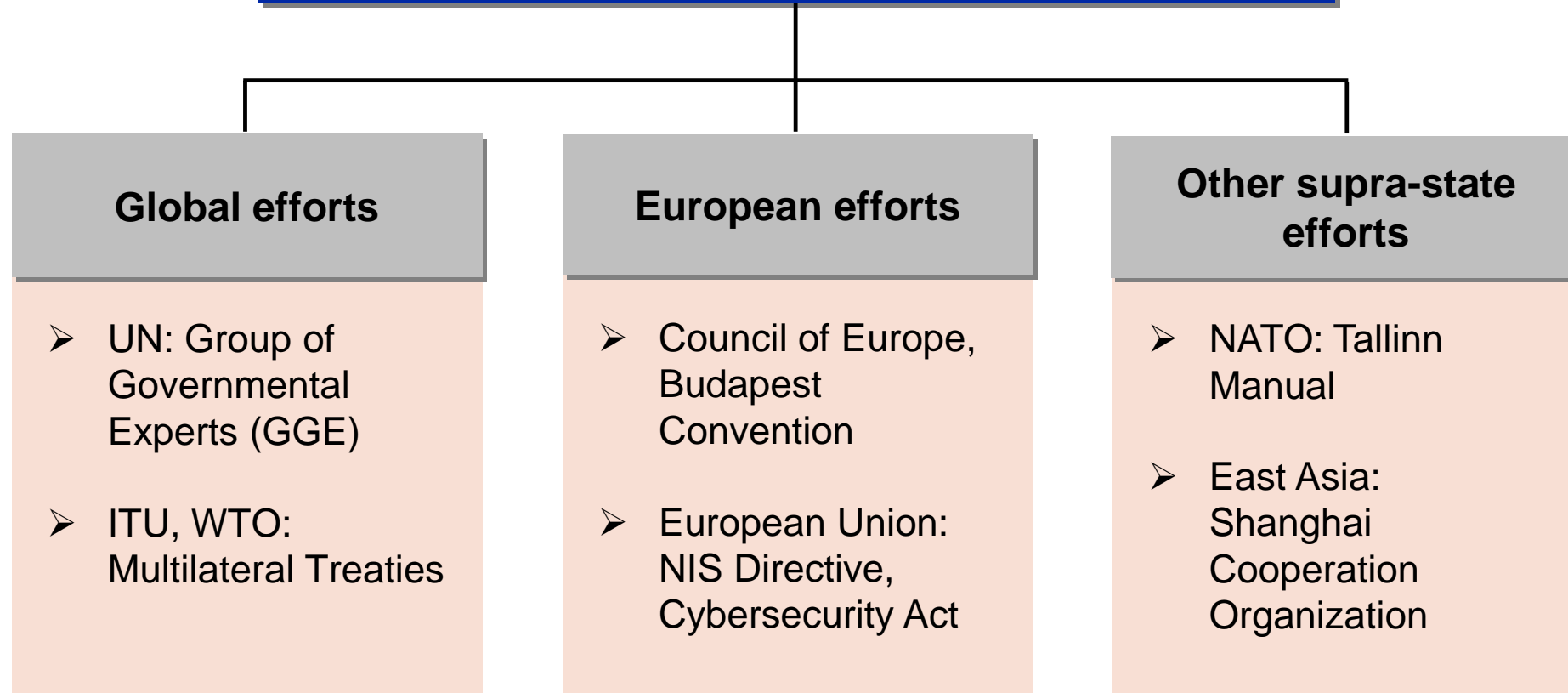
Cybersecurity: notion and phenomenology

Elements of IoT definition

Cyber threat landscape

- Threat agents
- Threat tools
- Threat types

International legal framework for cybersecurity





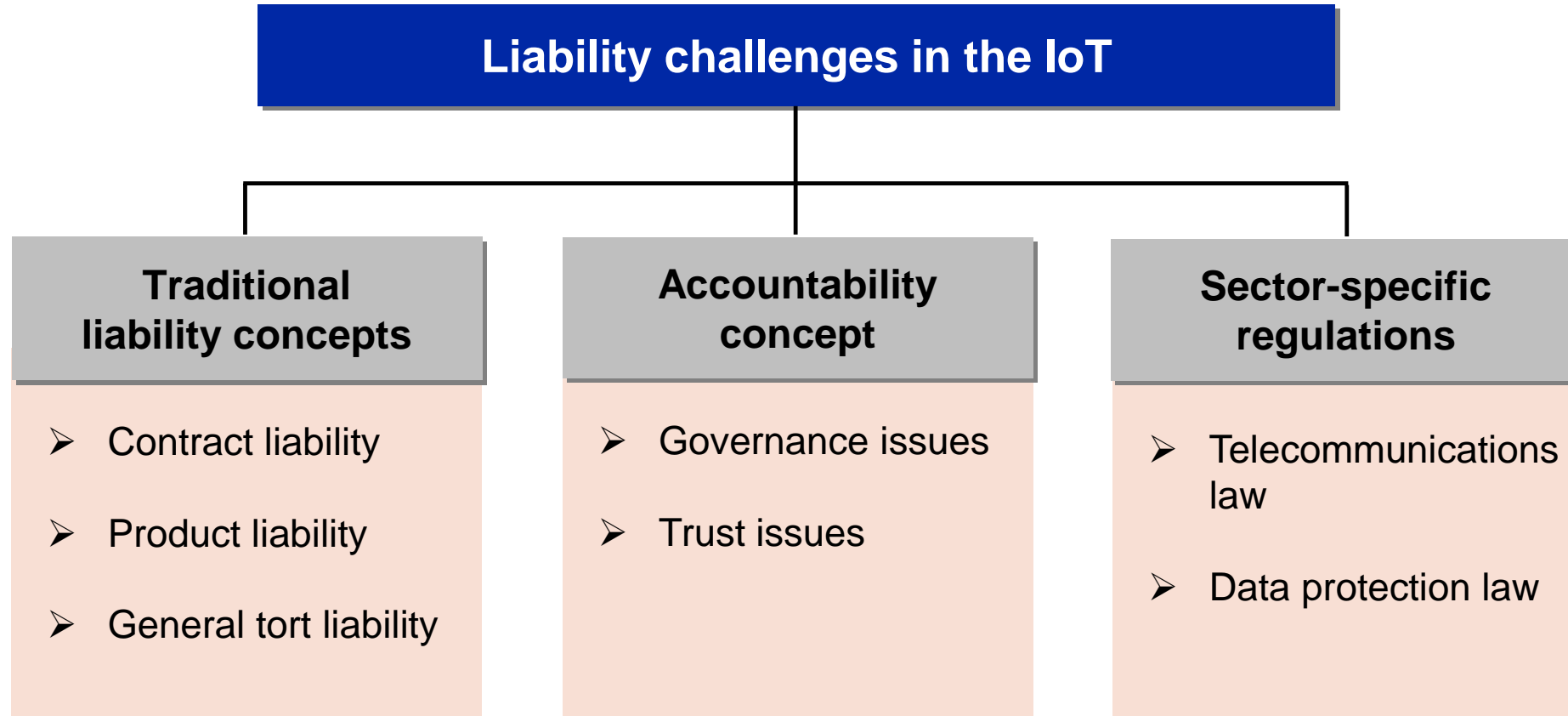
IoT-related security risks

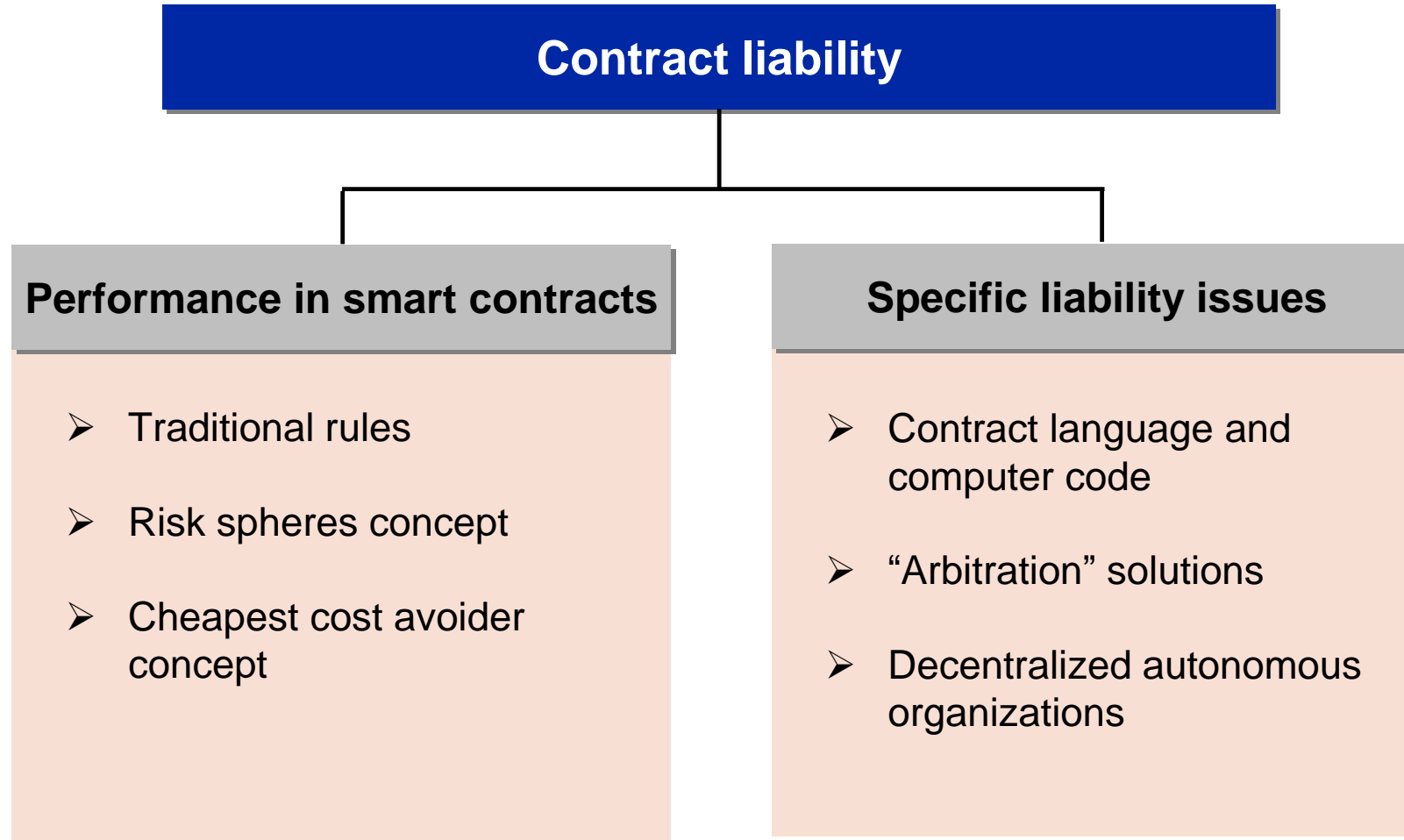
Low vs. high risks for IoT products / services

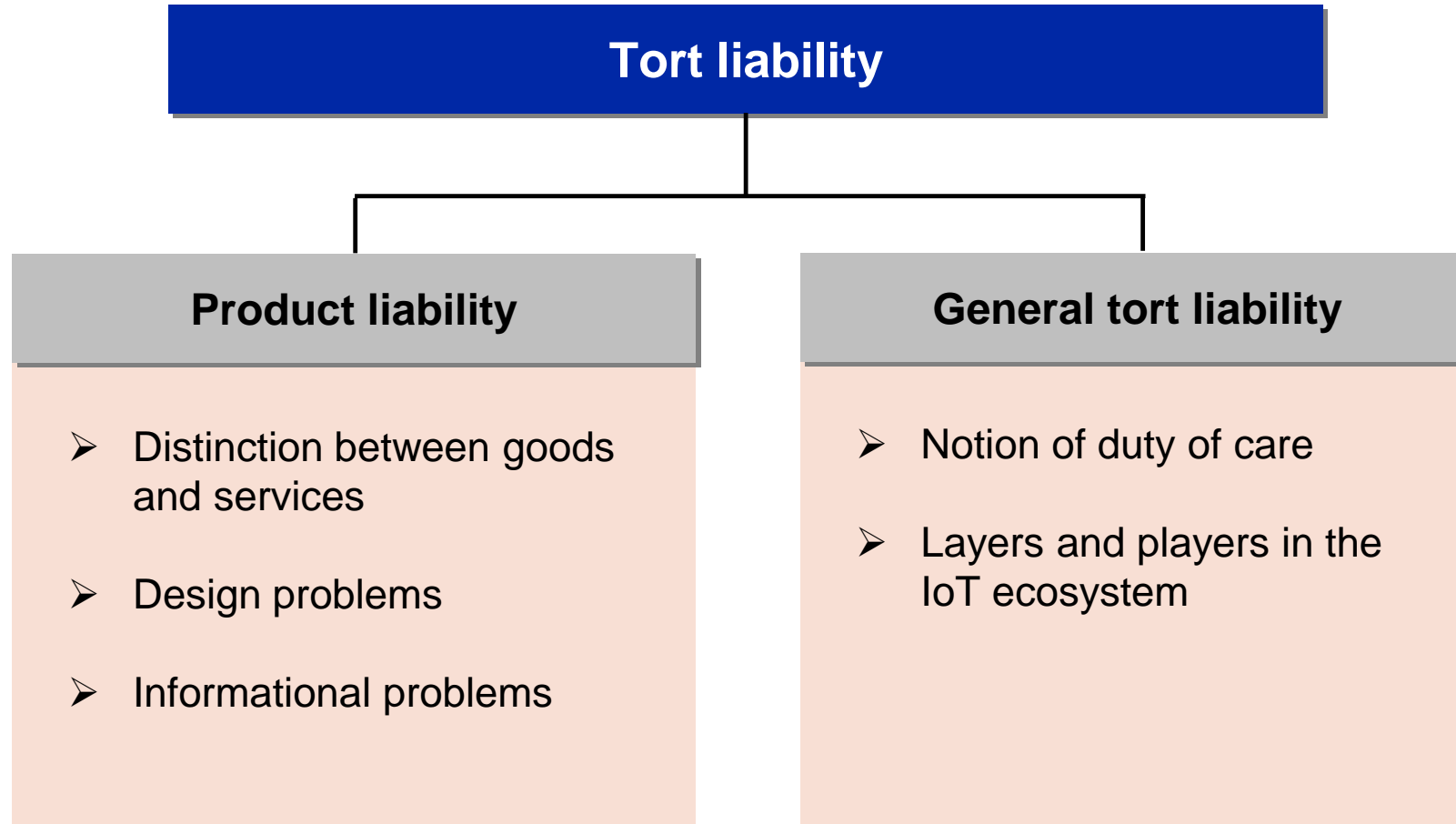
Private standards vs. governmental regulations

International vs. national law

Criminal vs. civil law









Design of new legal rules

New design of duty of care notion

Concept of shared responsibility (risk allocation)

Certification frameworks

Risk management models

Voluntary or mandatory insurance schemes



Outlook



Privacy and security in the IoT as central challenges



Suitable concretization of contract liability
and improvement of tort liability



Implementation of certification frameworks and
issuance of “half-binding” recommendations (NIST)



Higher emphasis on accountability,
risk management and governance