



SHAPING EUROPE'S DIGITAL FUTURE

A European Strategy for Artificial Intelligence

Gabriele Mazzini

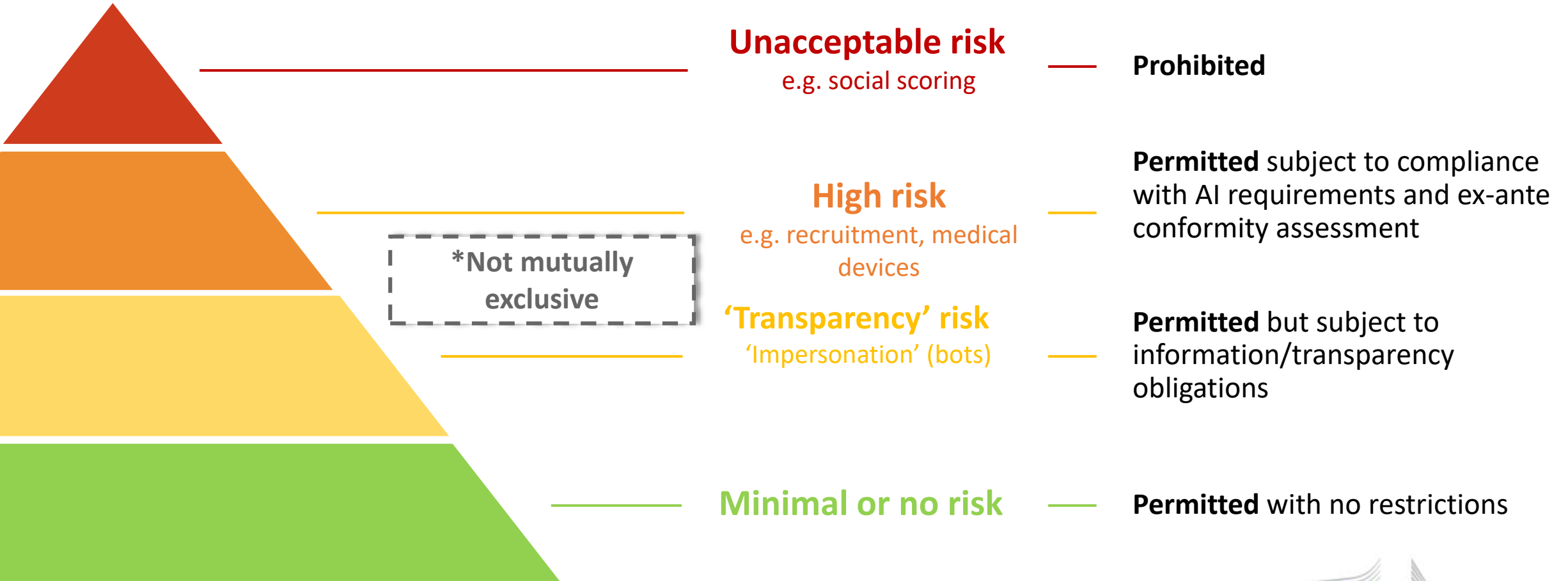
DG CNECT, European Commission

ELI webinar

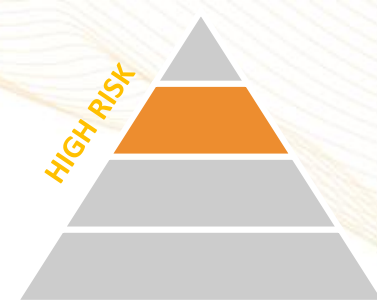
'Regulating AI: A First Analysis of the European Commission's Proposal'

29 April 2021

A risk-based approach



High-risk Artificial Intelligence Systems (Title III, Chapter 1 & Annexes II and III)



1 SAFETY COMPONENTS OF REGULATED PRODUCTS

(e.g. medical devices, machinery) which are subject to third-party assessment under the relevant sectorial legislation

2 CERTAIN (STAND-ALONE) AI SYSTEMS IN THE FOLLOWING AREAS

- ✓ Biometric identification and categorisation of natural persons
- ✓ Management and operation of critical infrastructure
- ✓ Education and vocational training
- ✓ Employment and workers management, access to self-employment
- ✓ Access to and enjoyment of essential private services and public services and benefits
- ✓ Law enforcement
- ✓ Migration, asylum and border control management
- ✓ Administration of justice and democratic processes

Requirements for high-risk AI systems (Title III, Chapter 2)



Establish and
implement **risk
management
system**
&
in light of the
**intended
purpose** of the
AI system

Use high-quality **training, validation and testing data** (relevant, representative etc.)

Draw up **technical documentation** & set up **logging capabilities** (traceability & auditability)

Ensure appropriate degree of **transparency** and provide users with **information** on capabilities and limitations of the system & how to use it

Ensure **human oversight** (measures built into the system and/or to be implemented by users)

Ensure **robustness, accuracy** and **cybersecurity**