

Defending democratic information in the age of algorithmic manipulation

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EU CYBERNET SUMMER SCHOOL 2025

**Cyber Crisis Management:
Navigating Disinformation and
Cyber Attacks in the AI Era**



Federal Foreign Office



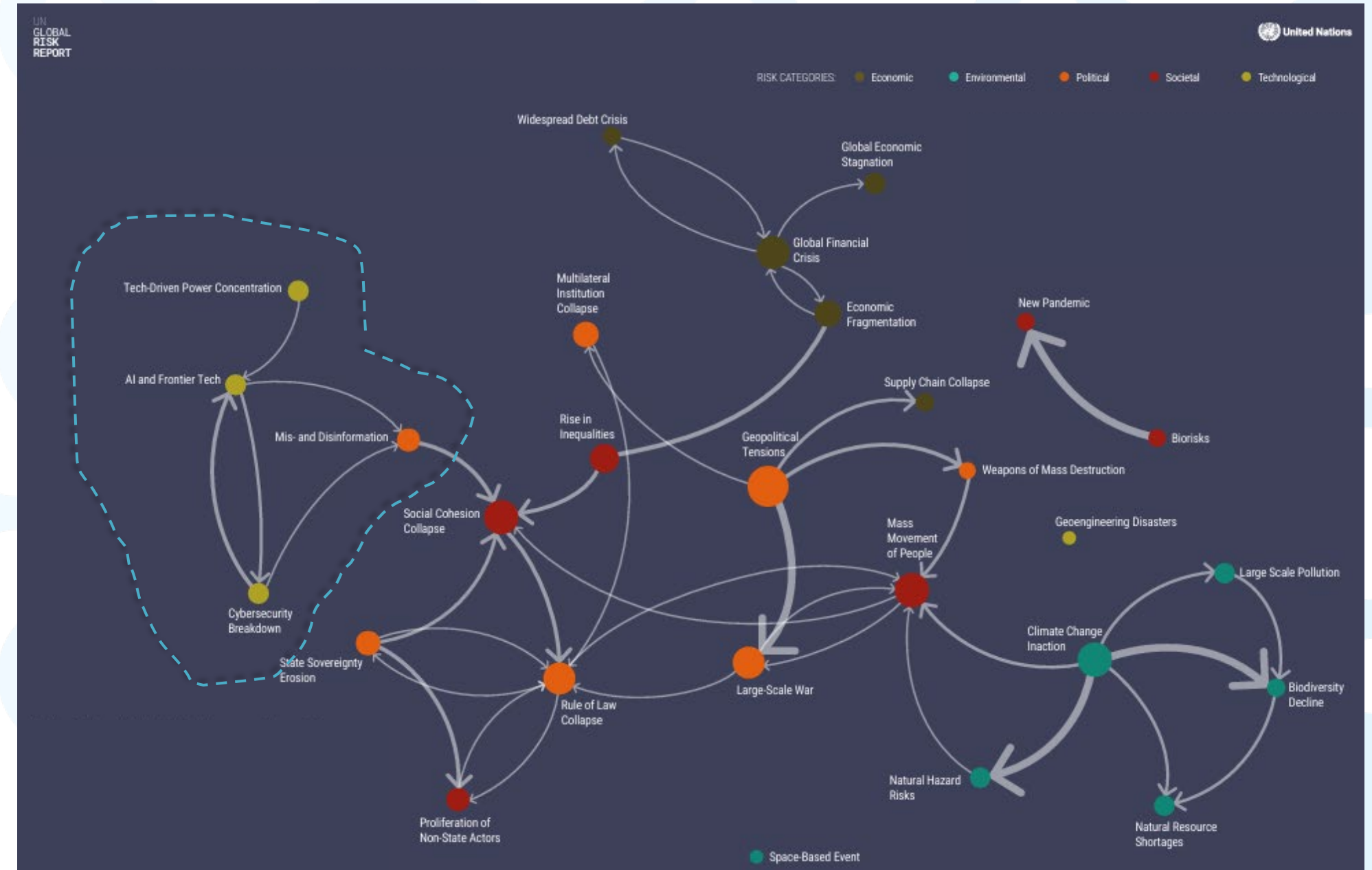
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Module Outline

- Information threats during cyber crises
- Definitions and terminology
- Evolution of the information environment
- The impact of artificial intelligence
- How do we respond?

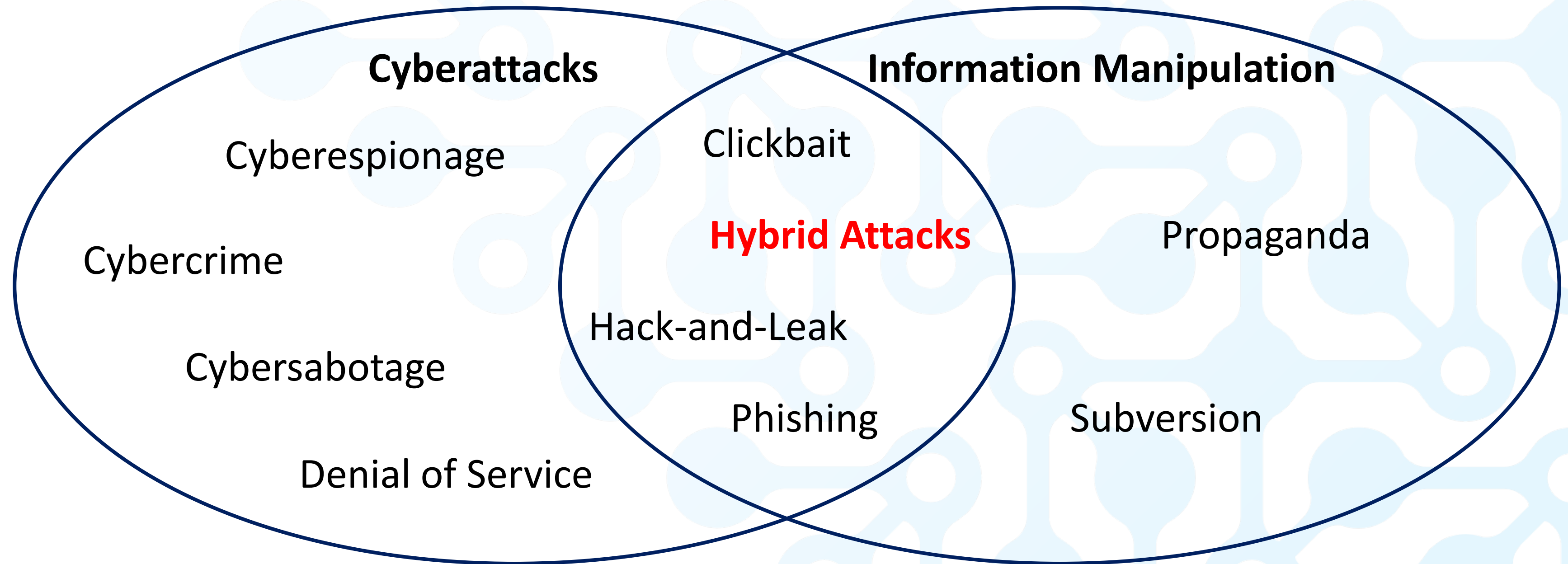
UN Global Risks

- Mis/disinfo is #3 risk
- Cyber, mis/disinfo, and AI are #2, #4, #8 in least prepared risks
- For mis/disinfo biggest obstacles are gaps in data, low accountability and weak communication pathways



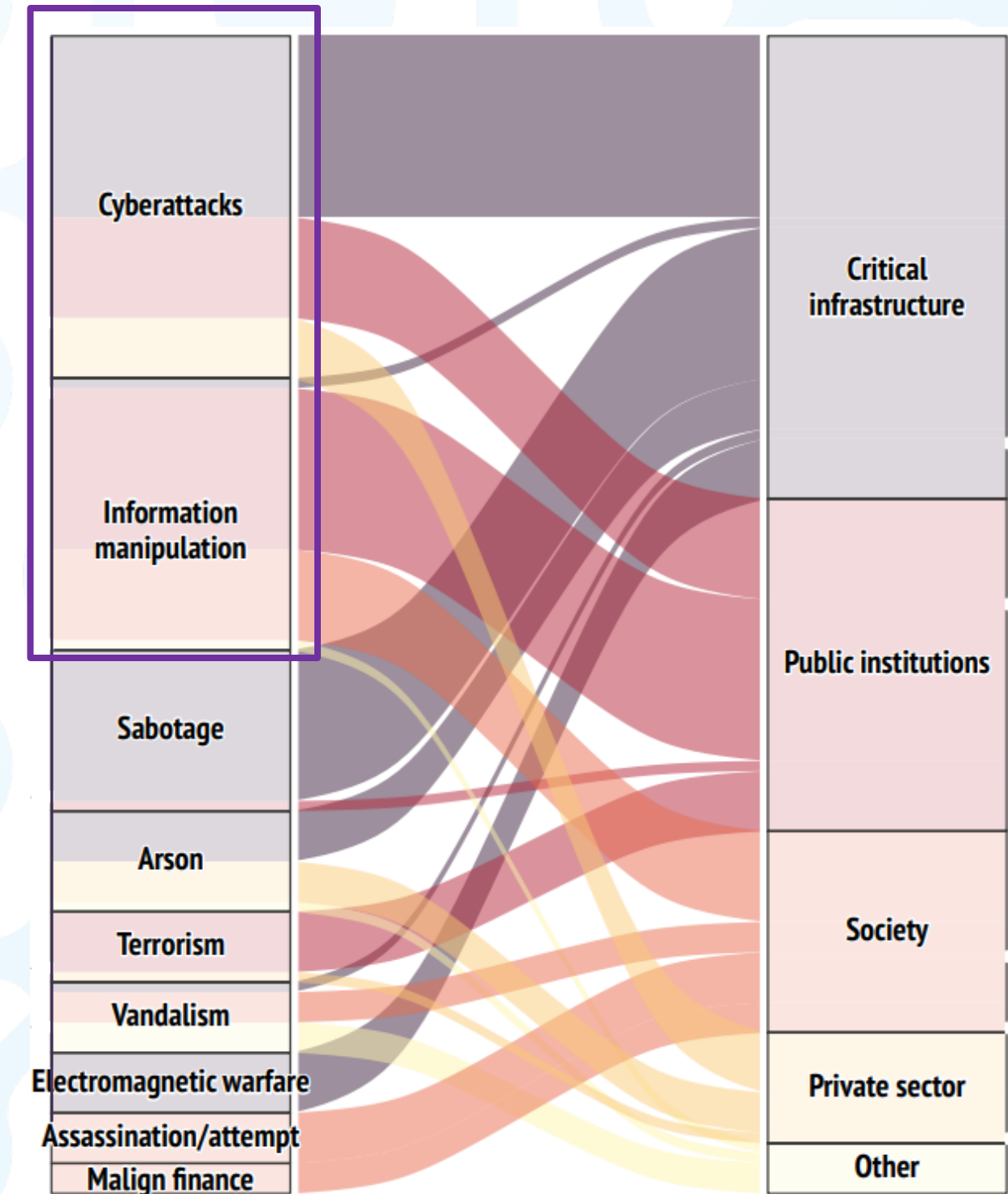
UN Global Risk Report 2025

Threats to the Information Environment



Hybrid Warfare

- Staying below article 5
- Reflexive control
- Exploiting silos



Courtesy of Nad'a Kovalcikova

Information Campaigns are used to Promote Narratives

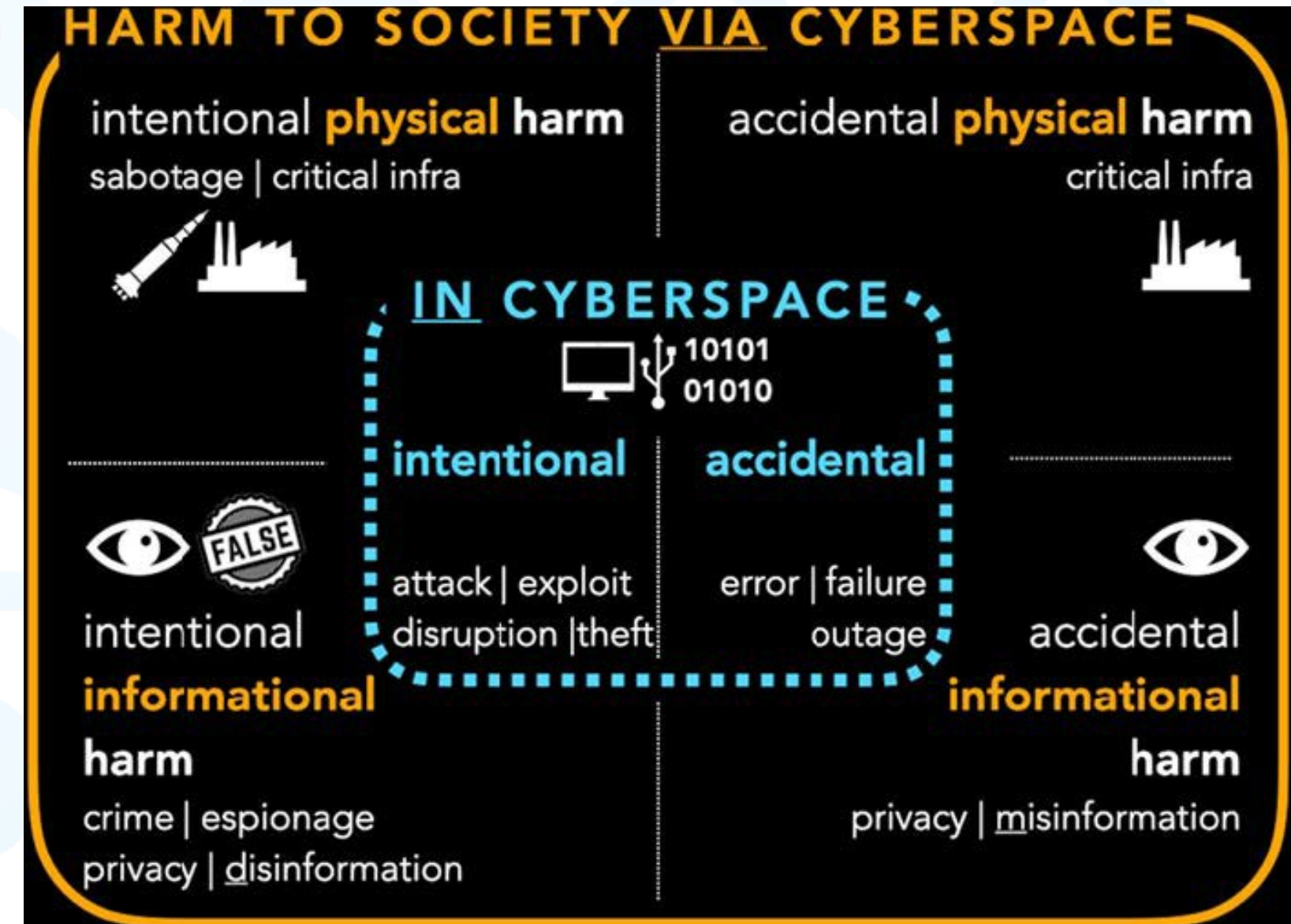
- Reinforcing existing narratives is feasible
- Overturning established narratives is hard
- FIMI succeeds when it aggravates existing problems in the target society or amplifies a narrative that is already shifting



Courtesy of Atlantic Council

Cyber Crises

- European Definition
 - Impacts security, safety or internal market across multiple member states
- Heightened Tensions
 - Intense public scrutiny and pressure to act
- Information Scarcity
 - Opportunity to challenge settled narratives



Courtesy of Van den Berg and Kuipers

Definitions

■ Disinformation

- *Information that is deliberately false or misleading and intended to deceive*

■ Misinformation

- *Information whose false or misleading nature is unknown to those spreading it*

■ Propaganda

- *Information with a political or ideological agenda*

■ Information Campaign

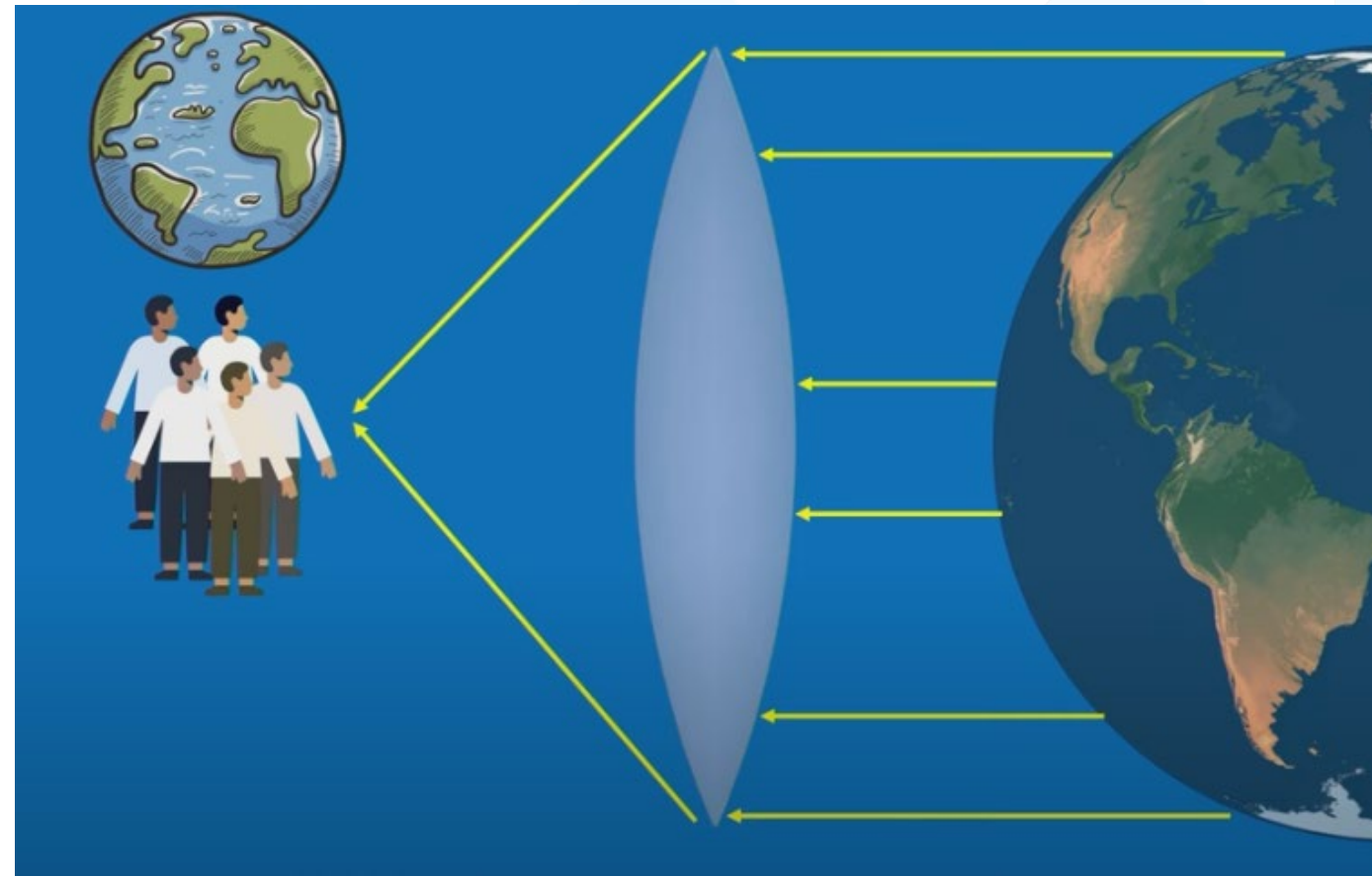
- *Coordinated effort to manipulate the information environment for a strategic goal*

■ Foreign Information Manipulation and Interference

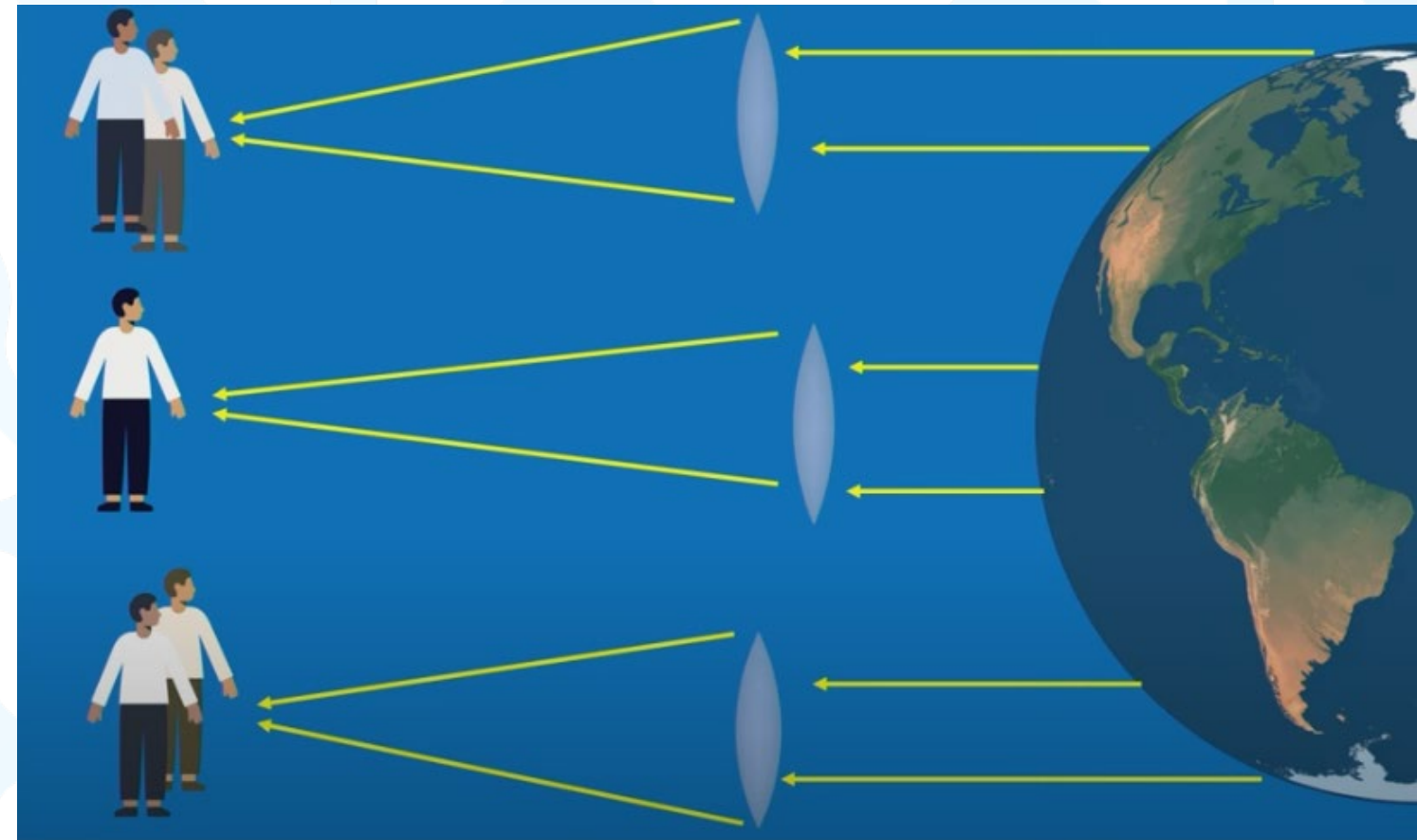
- *a mostly non-illegal pattern of behaviour in the information domain that threatens or has the potential to negatively impact values, procedures and political processes. Such activity is manipulative in character, conducted in an intentional and coordinated manner. Actors of such activity can be state or non-state actors, including their proxies inside and outside of their own territory.*

Our Understanding of the World has Splintered

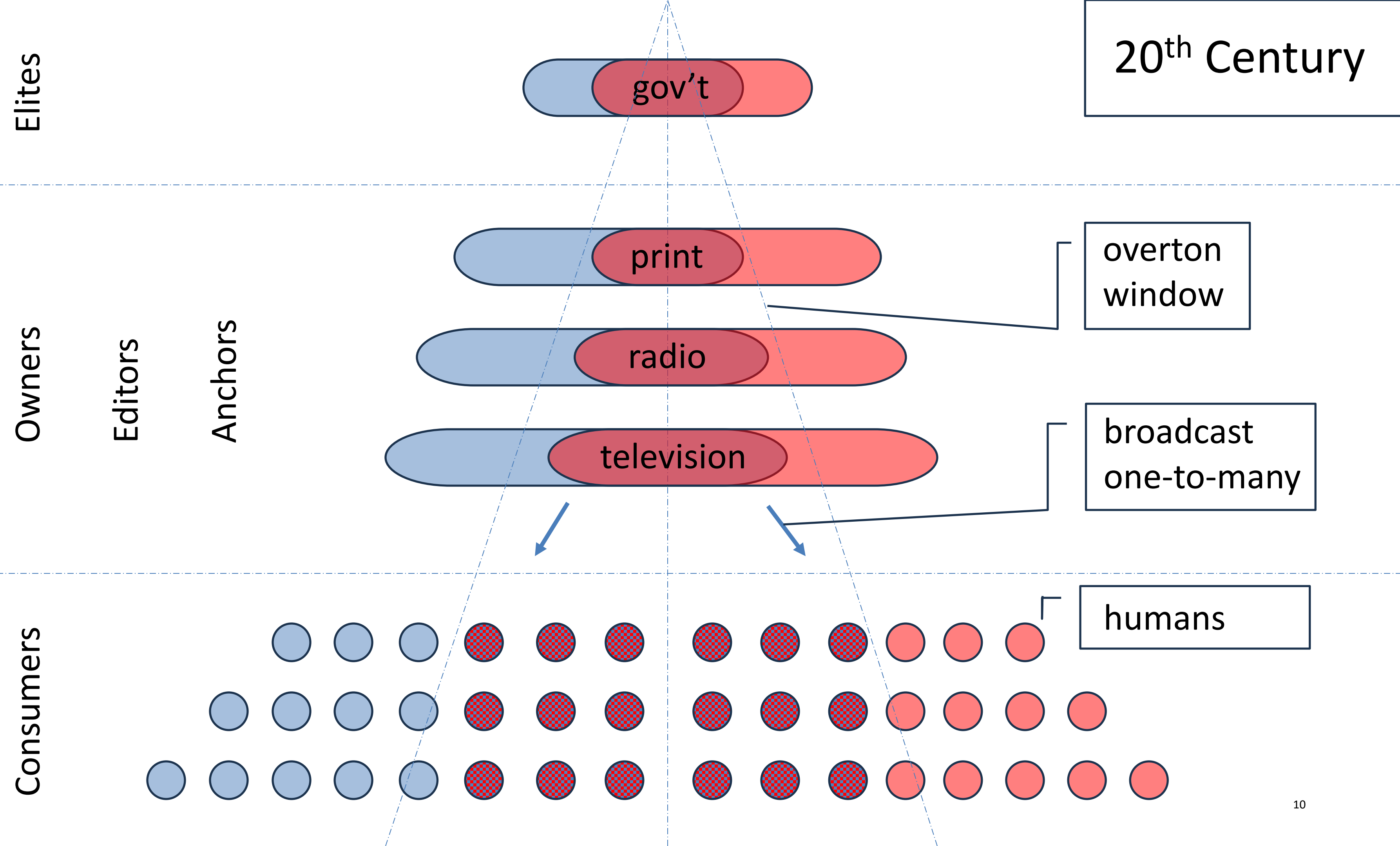
20th Century

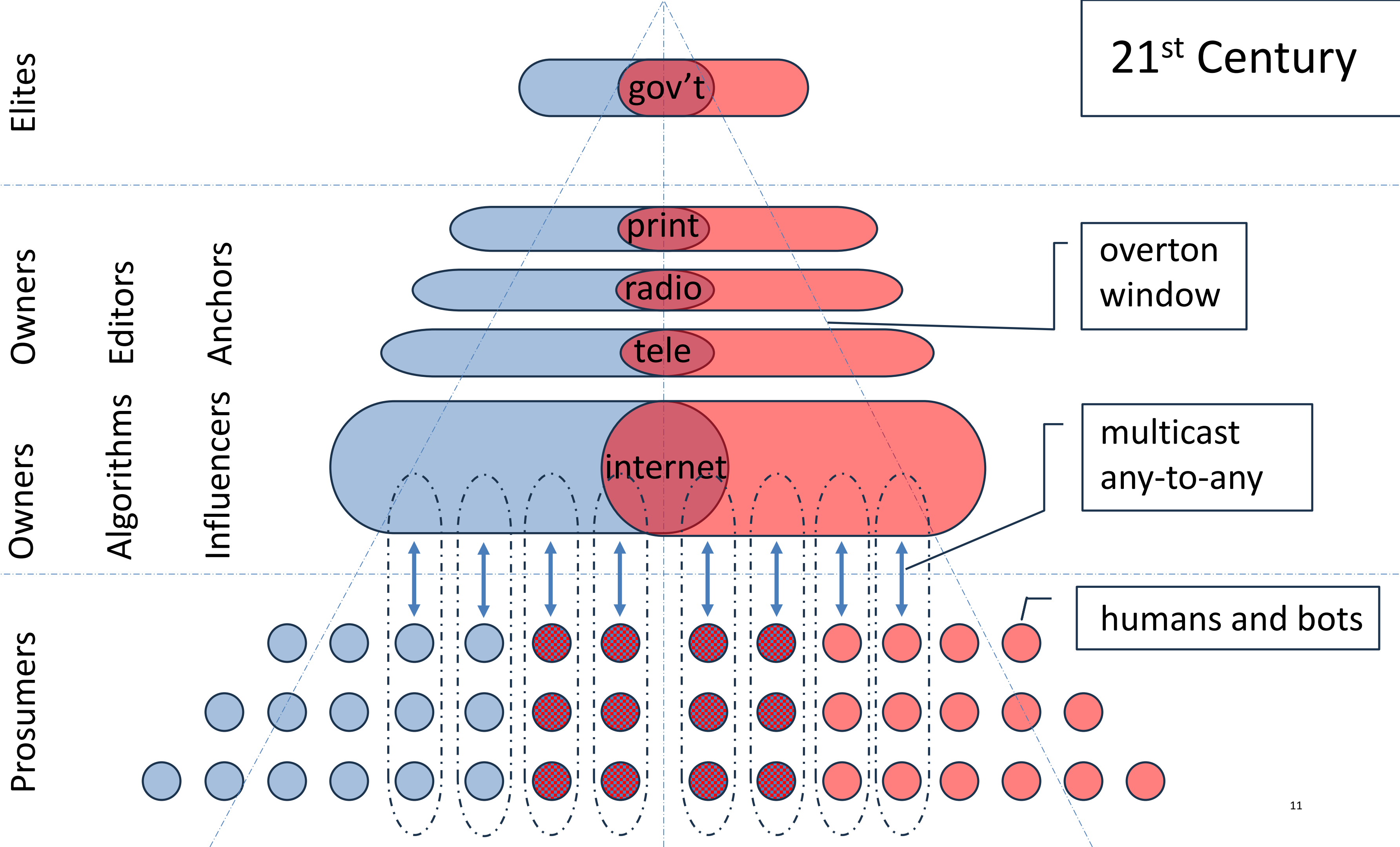


21st Century

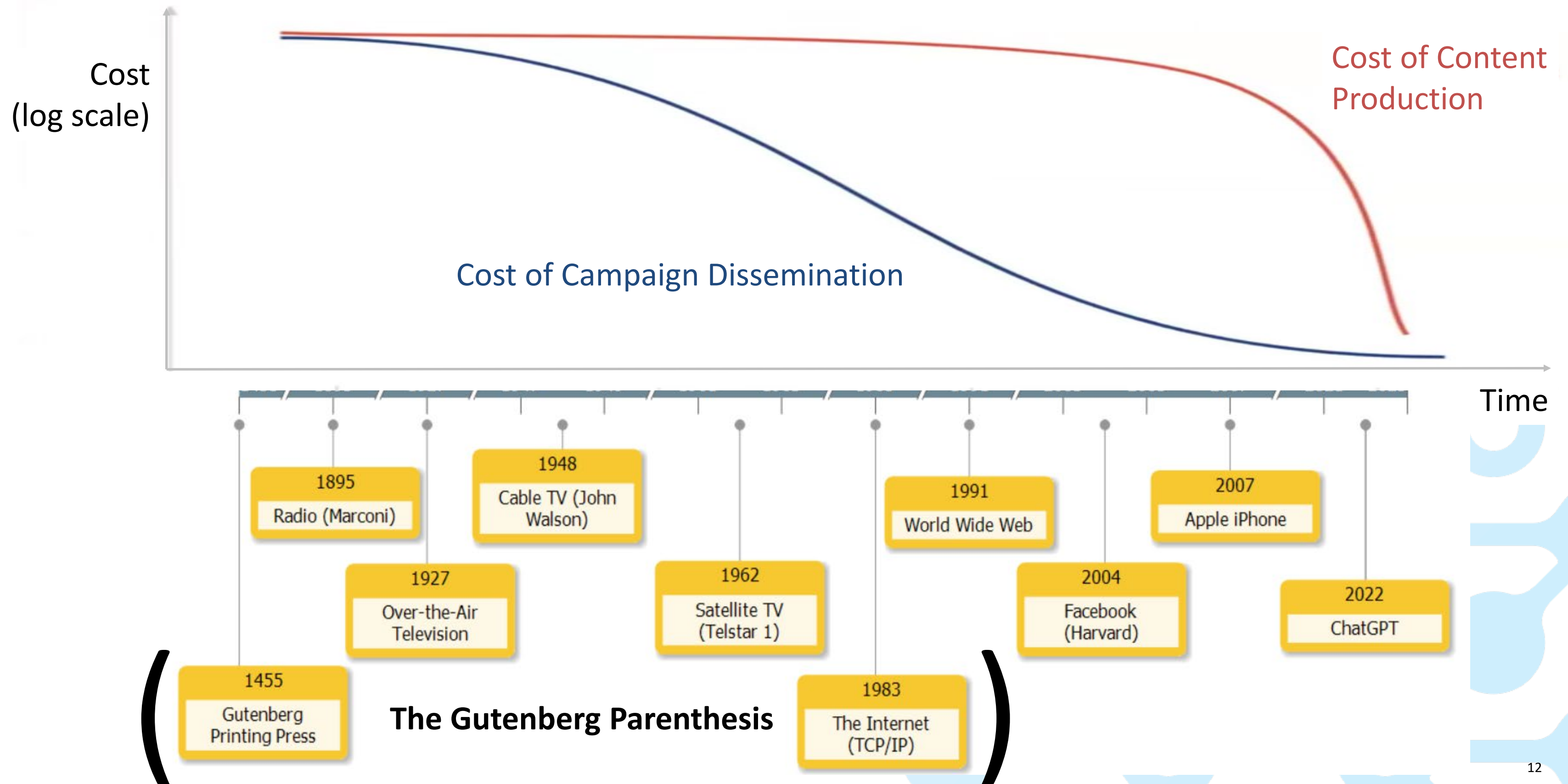


Courtesy of Eliot Higgins, CEO Bellingcat





The Cost of Disinformation Campaigns has Plummeted



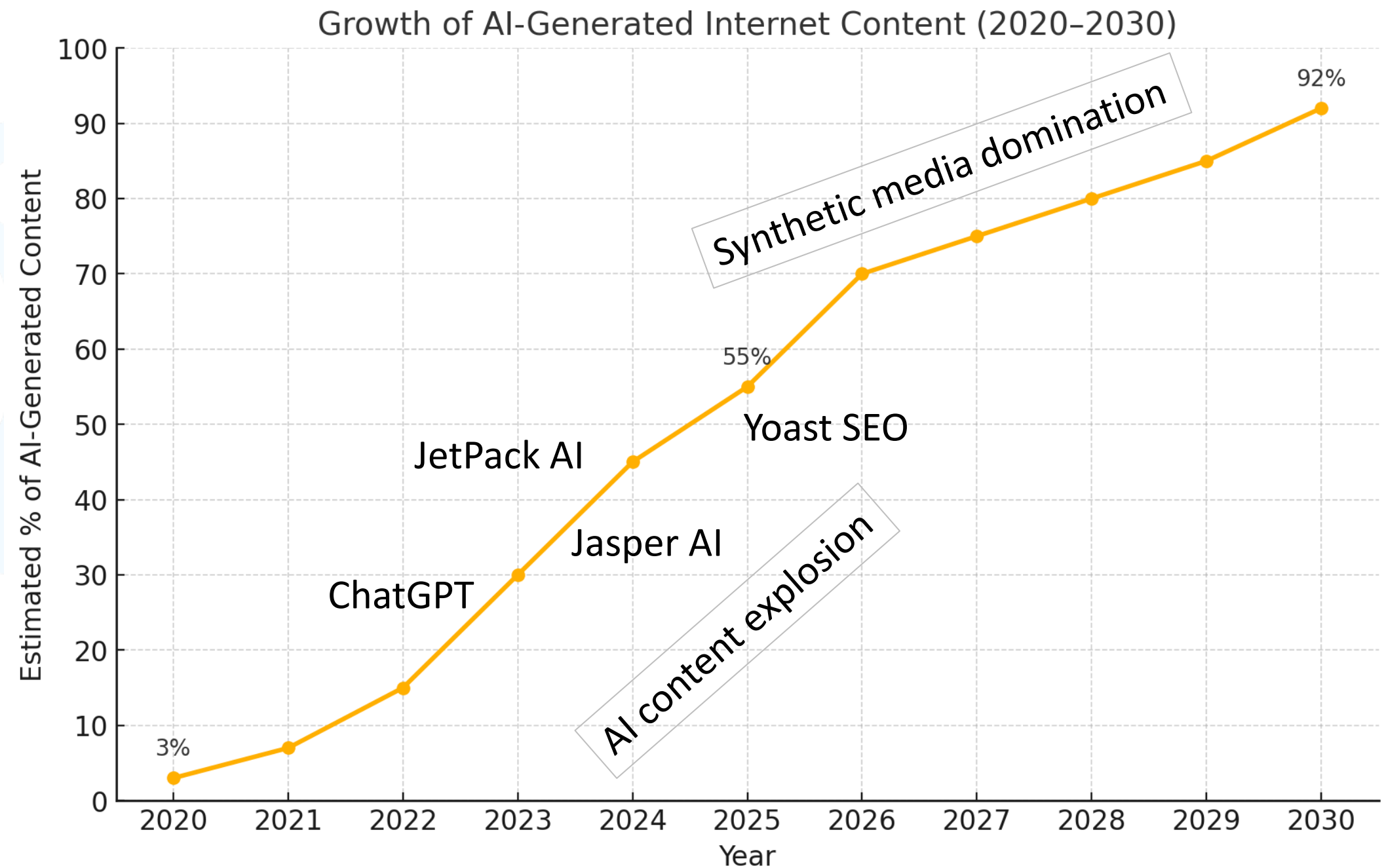
AI Can Produce Hyperrealistic Content

- Between 30% and 50% cannot distinguish real from AI-generated content



When Everything Becomes AI-Generated

- AI-generated content is growing
- Most Content Management Systems now use LLMs
- Will we reach a tipping point? AI slop takes over? Model Collapse?

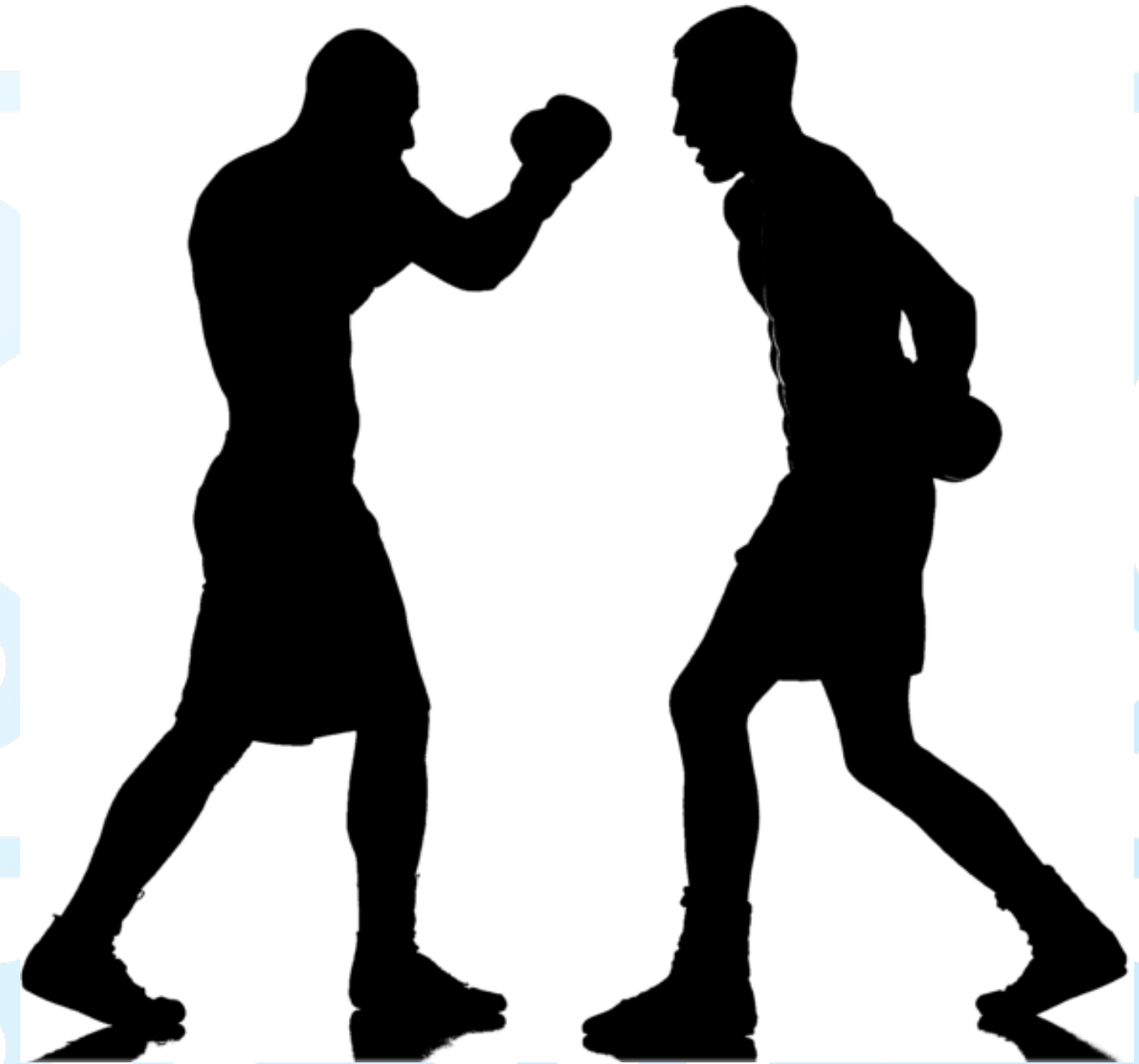


Information Manipulation Requires a Different Response

	Cyberattacks	Information Manipulation
Access	Private	Public
Legality	Illegal	Gray Zone
Response	Block	Constrained
Responder	Victim	Whole-of-Society
Attribution	Desirable	Important

So How Should We Respond?

- Shared Situational Awareness
 - *Structured information sharing*
- Unified Communications
 - *Stratcom planning*
- Fight Back
 - *Cyber Diplomacy, FIMI and Hybrid Toolboxes*



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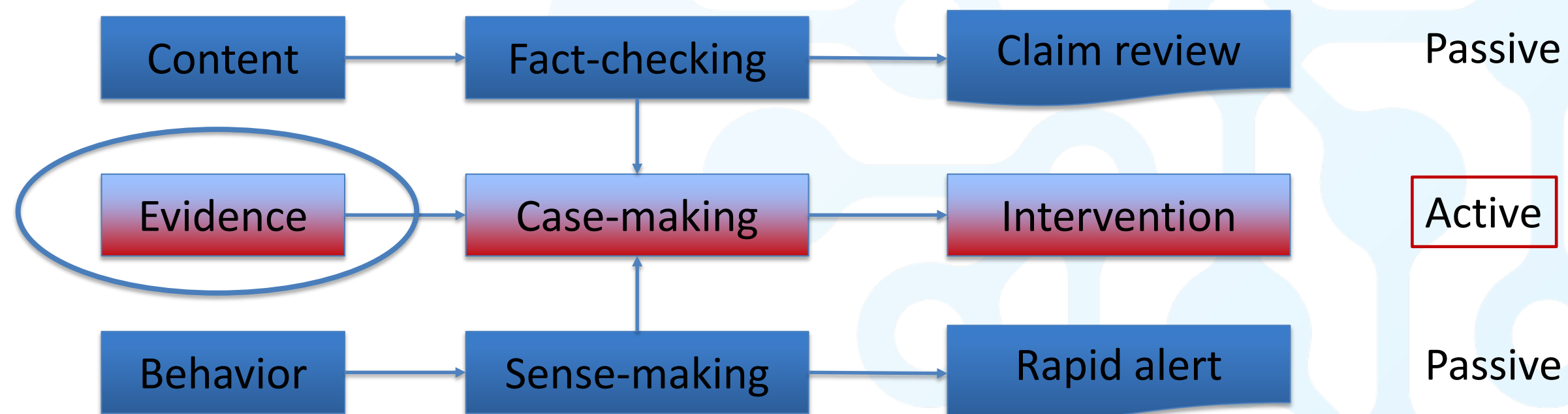


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BACKUP SLIDES

Defender Processes

Question	Focus	Process
Is that true?	Content	Fact-Checking
What's going on?	Behavior	Sense-Making
Can you prove it?	Evidence	Case-Making



Cyber

illegal

private

no rights

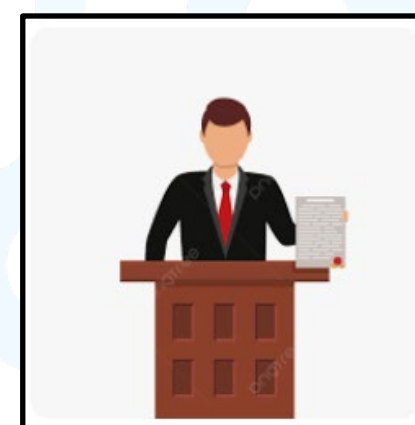


FIMI

non-illegal

public

free speech

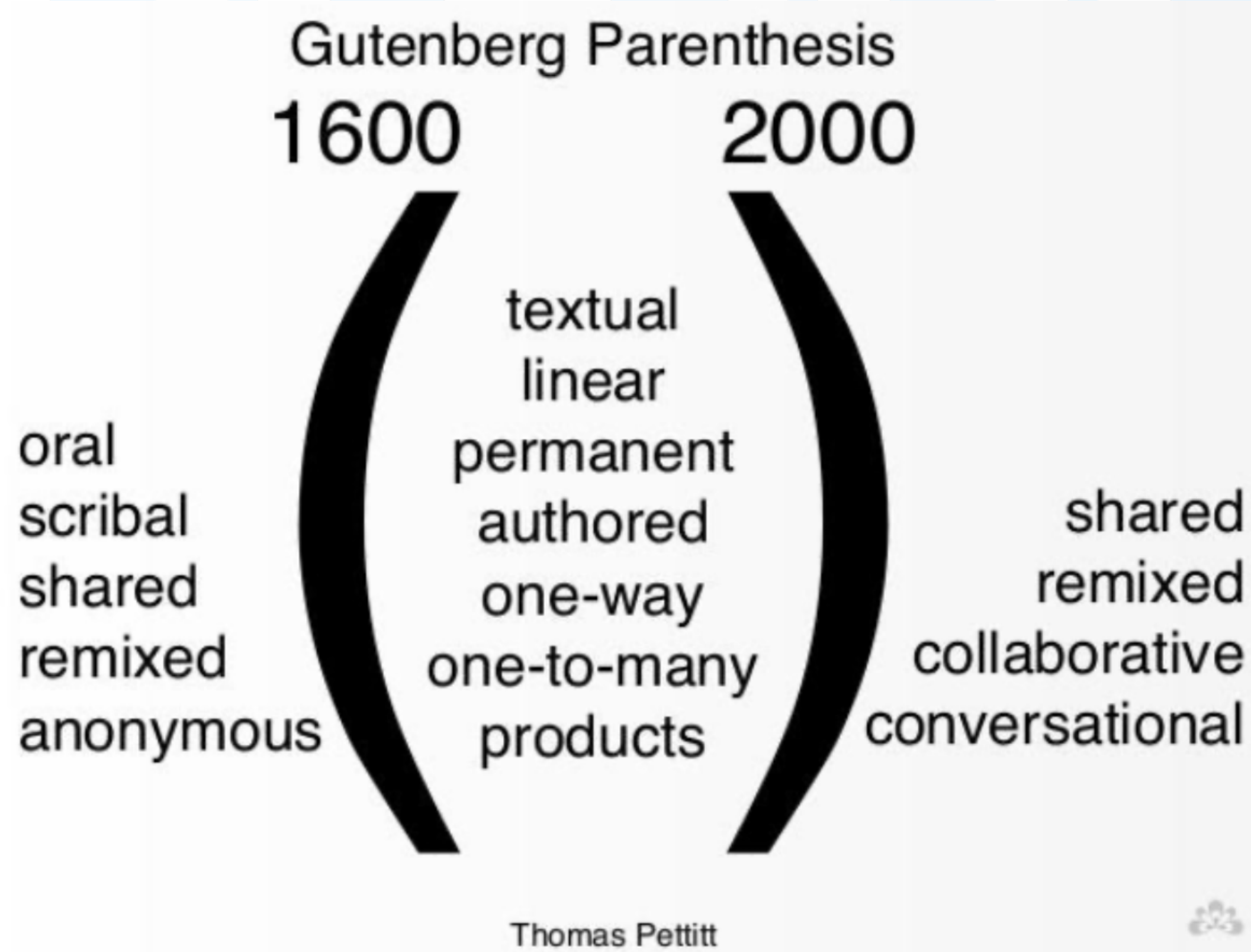


takedown

indictment

naming
& shaming

Learning to Talk to Each Other Again



When Everyone is a Publisher

