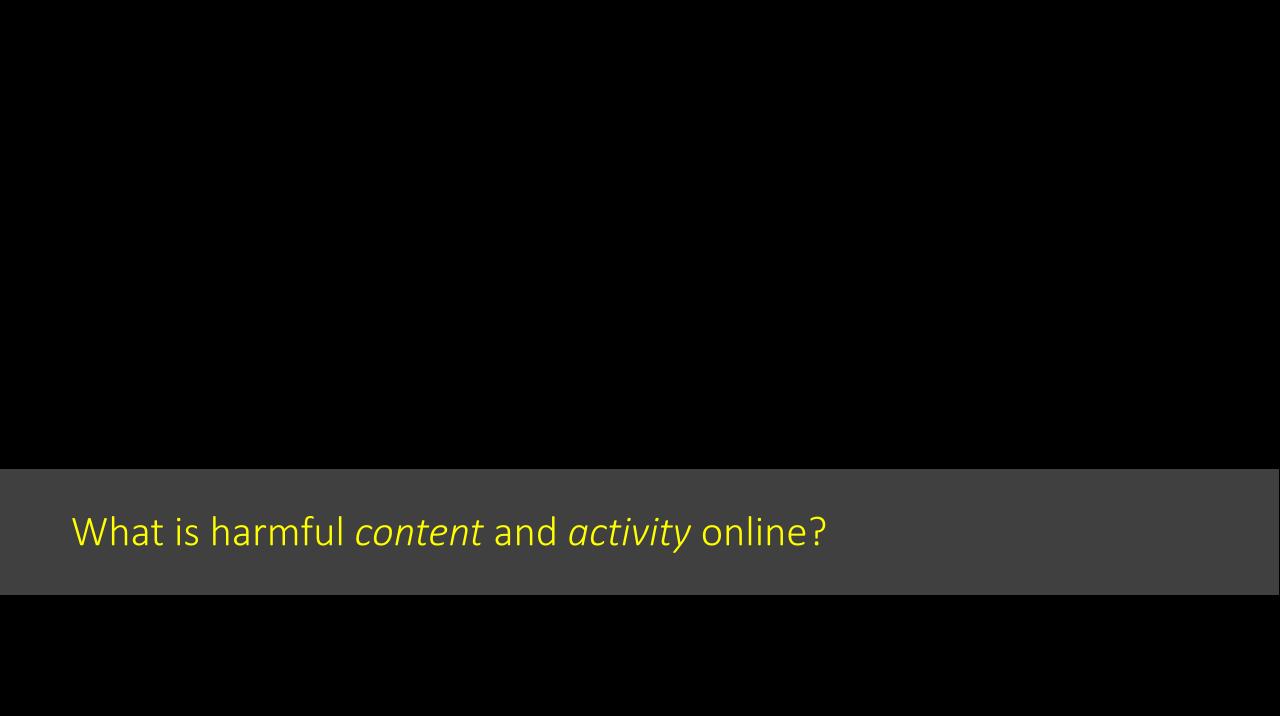


# APPG Cyber Security - Online Harms

**Dr Konstantinos Mersinas** 



#### Harmful content = Content crime

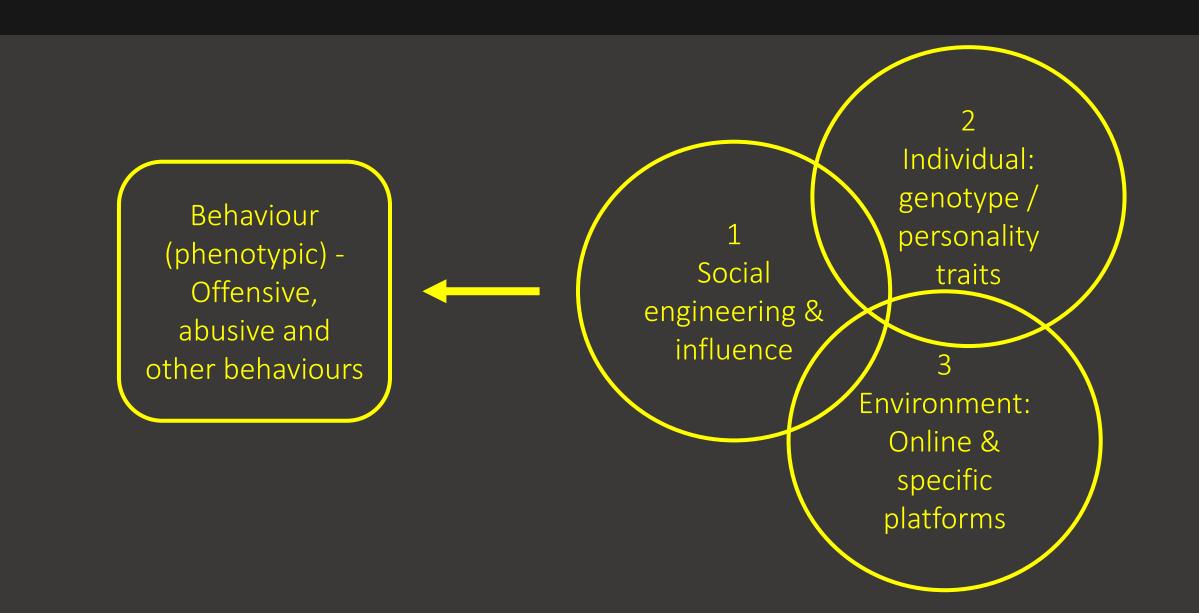
#### Not all harmful content is illegal

- Obscene & indecent content (child sexual abuse materials)
- Live distant child abuse
- Extreme & revenge pornography
- Selling stolen personal data (eWhoring)
- Hate speech
- Misinformation & disinformation

# Harmful activity = Interpersonal offenses

- Cyberbullying
- Cyberstalking
- Grooming
- Child sexual exploitation
- Sexual coercion and extortion
- Vulnerable groups: children, adolescents, the elderly (Hub for Intergenerational Vulnerability to Exploitation - HIVE)

### Explaining online harms: 3 Components





#### Component 1: Social engineering & influence

The use of deception to manipulate individuals into revealing confidential or personal information that may be used for fraudulent purposes

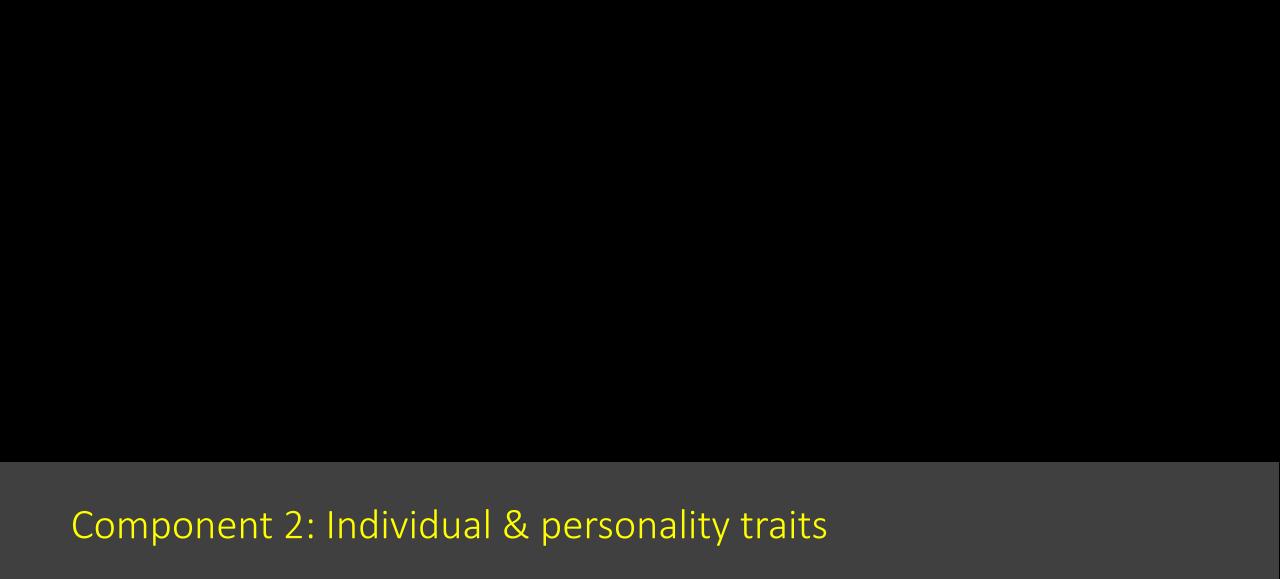
Impersonation & deception

#### Component 1: Social engineering psychological principles

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    Influence (communication skills, language, frequency, listening)
    Reciprocation (targeted 'gifts')
    Commitment & Consistency (statements in public)
    Social Proof (peer pressure, the group)
    Liking (attractiveness, common interests, ideas)
    Authority (less apparent online, except in groups)
    Scarcity (actions presented as opportunities, time, resources)
```

#### Component 1: Social engineering & influence examples

- Underaged users distributing self-generated materials / on-camera actions
- Grooming: creating materials & meetings
- Peer pressure & commitment to a cause/action: radicalisation, hate speech
- Behaviour in groups / 'packs'
- Disinformation (e.g. based on false authority)
- COVID-19 vulnerabilities: information seeking, working from home



# Component 2: OCEAN Personality traits



#### Component 2: Personality traits



- Narcissism:
   feelings of superiority and entitlement
- Machiavellianism:
   manipulating others, concealed aggression
- Psychopathy:
  antisocial, lack of empathy, impulsivity

#### Component 2: Personality traits - identifiable, measurable behaviours

Cyberbullying / hate speech

Low: A, C

High: N, Dark Triad

Cyberstalking

High: E, O (risk-seeking)

High: O, N

Low: E (inability to delay gratification)

Grooming

High on 3 traits of the Dark Triad Criminal and analogous activities

High: N

Low: C, A, E

(low self-control)

Deception

Correlated to the dark triad

High-stakes lies predicted by Machiavellianism

Cyberbullying victims

High: N, O

O: Openness to Experience

**C**: Conscientiousness

**E**: Extraversion

A: Agreeableness

N: Neuroticism

# Component 3: Environment

### Component 3: Environment - the online disinhibition effect

- Factors: [White paper: anonymous abuse ]
  - dissociative anonymity
  - invisibility
  - asynchronicity
  - (minimisation of) authority
- Negative: offensive behaviour, hate speech
- Positive: free expression

#### Component 3: Environment & platform design

#### Behavioural functionality (boosts and nudges)

[White paper: Safety by design, mechanisms to allow users to report content]

#### **EAST**:

- Easy
- Attractive
- Social
- Timely

#### MAT:

- Motivation
- Ability
- Trigger

# Component 3: Environment: Platform design & Al

- Al not a panacea
- Al as a solution working with users
  - User behaviour change via an AI assistant

[White paper: What part will technology, education and awareness play in the solution?]

#### Solutions?

