Digitalisation of Justice:
Face Biometric Verification for Secure Digital Presence

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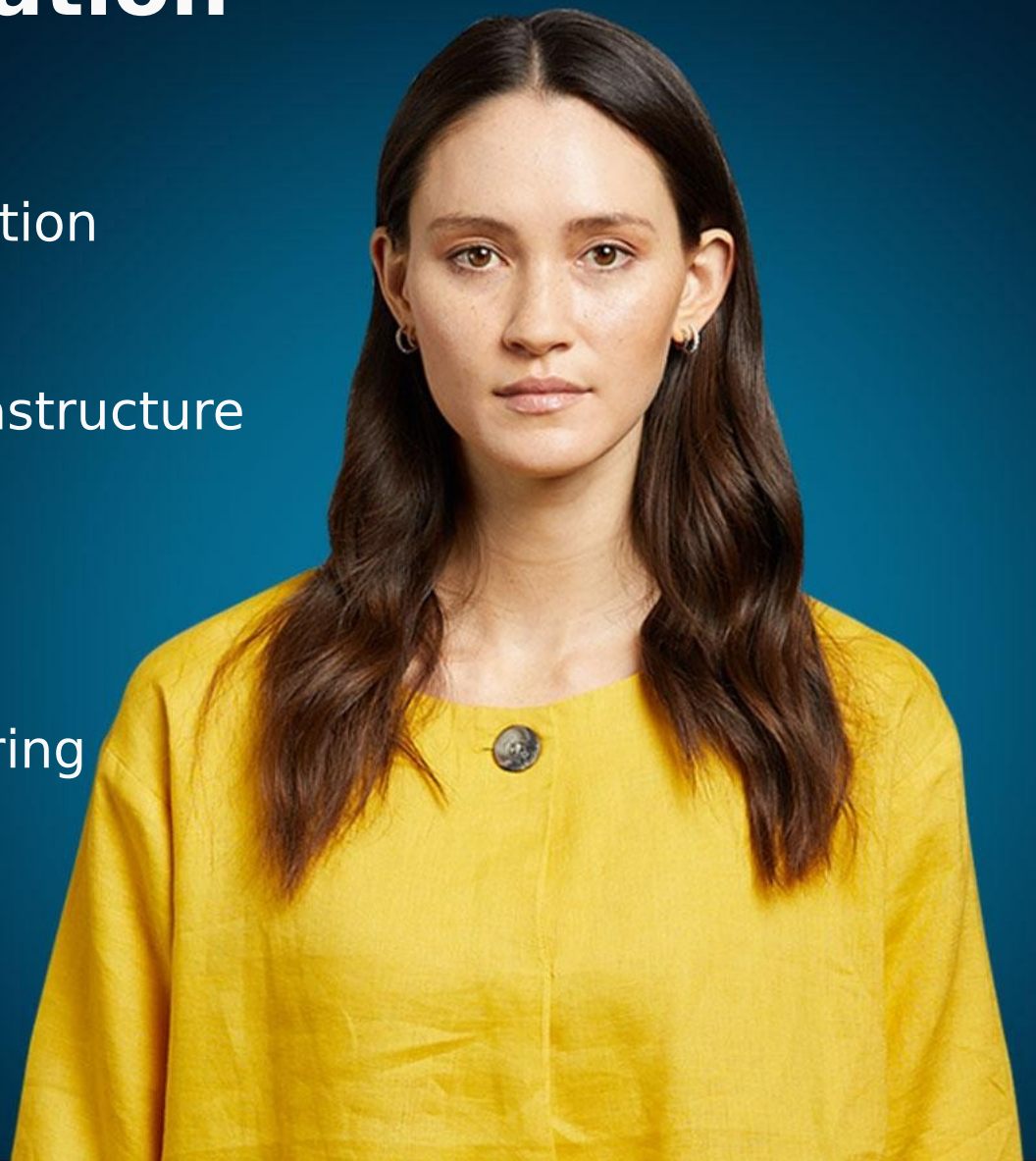
EU Justice System Challenges of Remote Identity Verification

Challenges

- Custom & Practice digital transformation
- Understanding National rules
- Member states architecture and infrastructure

Use Cases

- Secure evidence capture
- Secure cross-border intelligence sharing



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EU Justice System Current Processes

Use Case: Attendee Court Participation

- Manual processes to verify an individual
- Low assurance in correct individual
- Operationally inefficient
- Privacy and confidentially concerns
- Vulnerable victim/witness drop out

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Remote Face Biometric Verification Enables Secure Digital Presence within Video Conferencing

Use Case: Attendee Court Participation

- Remotely verify an individual
  - tied to government identity documents
  - face biometrics with liveness detection
- High assurance in correct individual
- Reduce manual processing
- Privacy and confidentially assured
- Prevents drop out of attendees

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Remote Automated Biometrics Are Fundamental for Identity Creation and Assertion

Human

- Expensive, slow
- Inherently biased
- False accept rate >10%*
- 57% of people believe they can spot deepfakes, only 24% can do so successfully**
- Generative AI makes video identity verification obsolete

Automated

- Accurate, fast
- Bias mitigation
- Low False Accept and Reject rates
- Continuous improvement
- Needs people to teach the right lessons
- People to manage the learning, not decisions

Solution: Human Intelligence + Decision Automation = Active Threat Management

* **Source: Passport Officers' Errors in Face Matching**
David White ,Richard I. Kemp,Rob Jenkins,Michael Matheson,A. Mike Burton Published: August 18, 2014 https://doi.org/10.1371/journal.pone.0103510

** ***Idiap Research 2022***

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Not All Face Biometrics Are Created Equal

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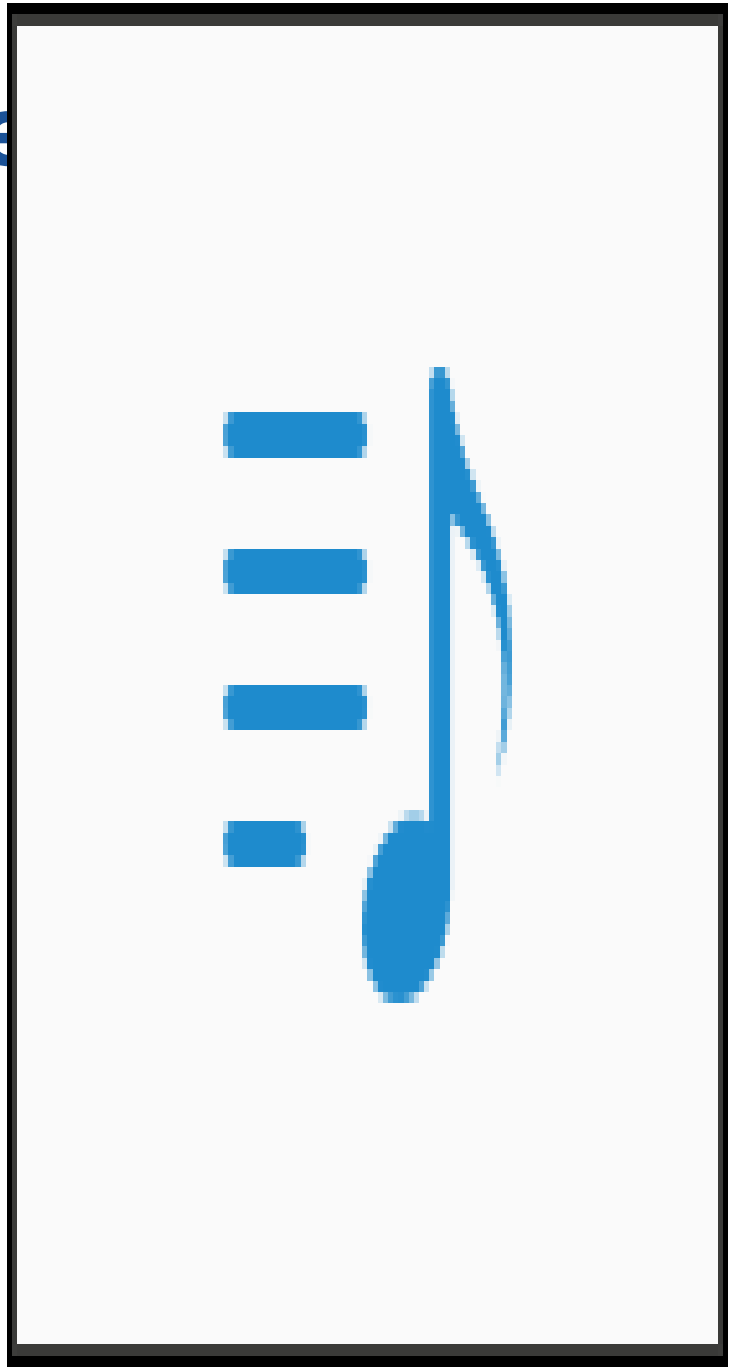
Defences Against Generative

One-time biometrics with liveness detection

Defend against:

- Highly scalable digital injection attacks
- Synthetic media – such as Generative AI
- Reverse engineering



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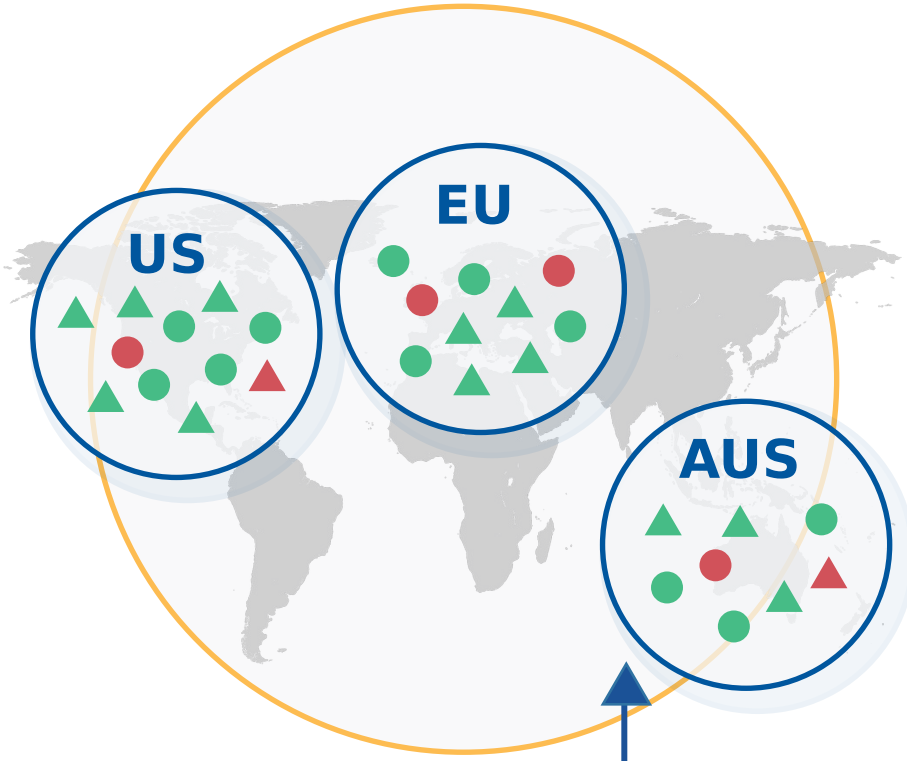
Active Biometric Threat Intelligence is Vital



Multiple platforms across multiple geographies

iProov's global real-time threat intelligence system - iSOC

Detect and monitor attacks

Analyse and learn attack sources, patterns & methodologies

Adapt & mitigate in real-time

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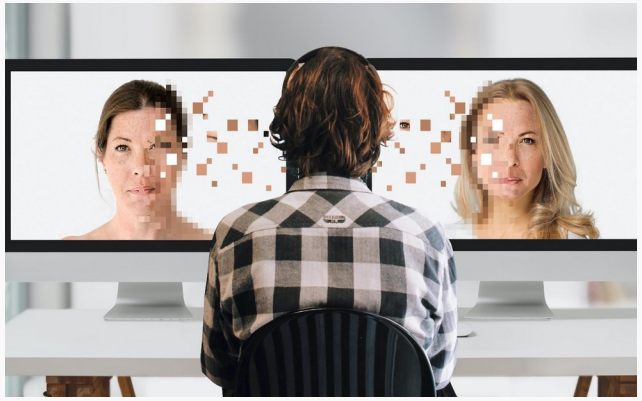
Key Threat Trends

1 Evolution of Digital Injection Attacks



149% Increase

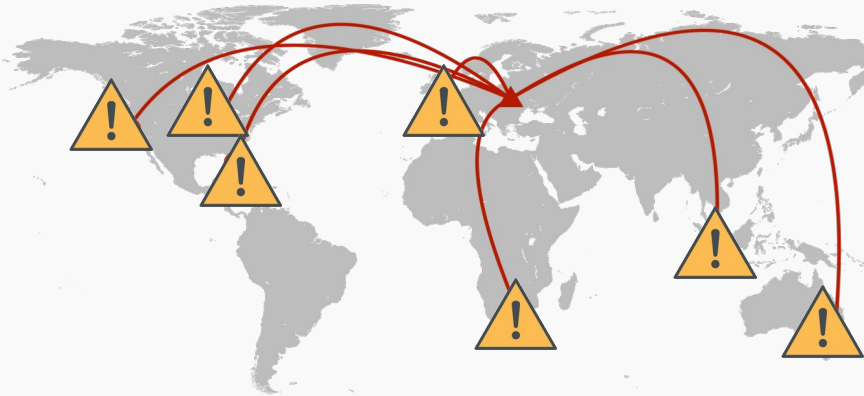
Injection attacks appearing as mobile web, android and iOS native H2 vs. H1 2022

2 Emergence of Novel Face Swap Attacks

295% Increase

H2 vs. H1 2022

3 Global, Indiscriminat Attacks at Scale



100-200 within 24hrs

Simultaneously Launched Automated DIA Verification Attempts 3 X Per Week Worldwide

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iProov Proven Global Deployments at Scale

Government Services

Government Digital Service

ID.me For the IRS

Home Office

GOVTECH SINGAPORE

Australian Government
Australian Taxation Office

Borders & Travel

U.S. Department of Homeland Security

eurostar

Digital ID for Citizens

NHS

itsme

STATE OF CALIFORNIA DMV Department of Motor Vehicles

Financial Services

UBS

bradesco

ING BANK

Standard Bank

absa

bankaxept
Norway's national Bank ID

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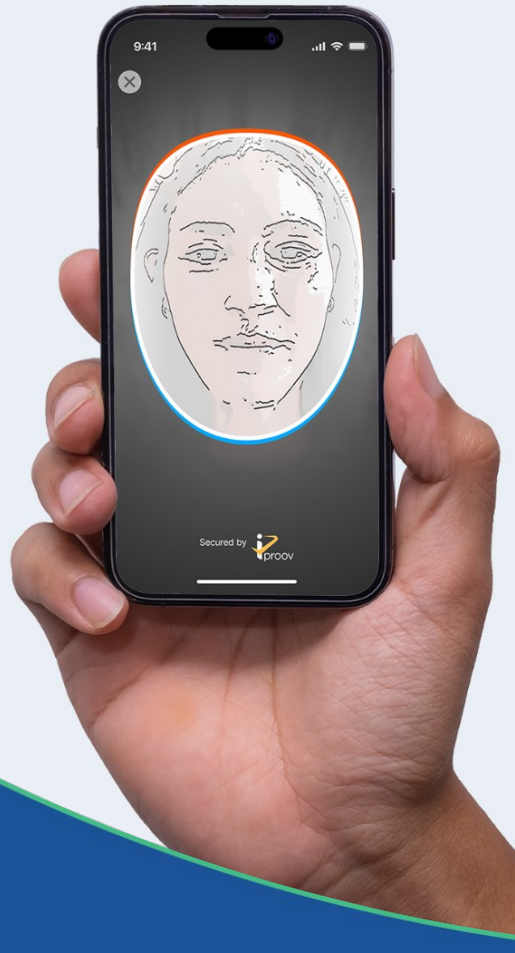
Thank you



Genuine Presence Assurance

Right person, Real person, Right now

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