

MINDSHARE

2025 10-11
SEP

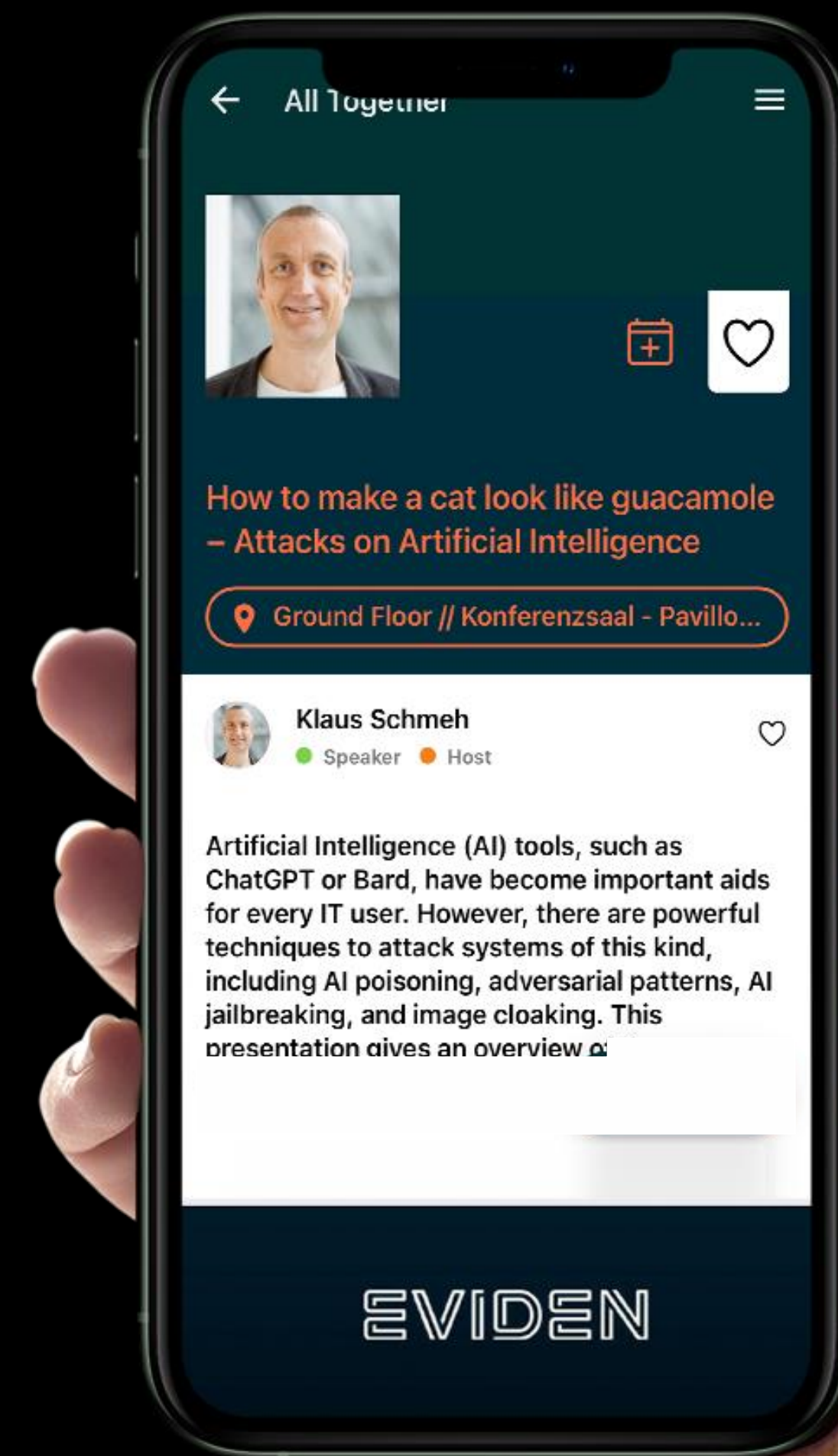
CYBERSECURITY
LEADERSHIP FORUM

Securing
Identity for
our Digital
Future

MINDSHARE AGENDA



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CYBERSECURITY
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Securing
Identity for
our Digital
Future



Mühlbauer
High Tech International

Tim Wilbrink, Mühlbauer
ID Services GmbH

Conversion of
existing national ID
systems
to a modern solution

How it all started

- Physical ID documents, fully analog
- Different sizes
- Different layouts
- Different data
- Different material



ISO 18013

ICAO 9303



Verified by people

Digitalization of documents

- Physical ID documents – with a chip
- Different layouts
- Different data
- Different material



Verified by people and machines

Digitalization of documents

Chips enhance security and functionality

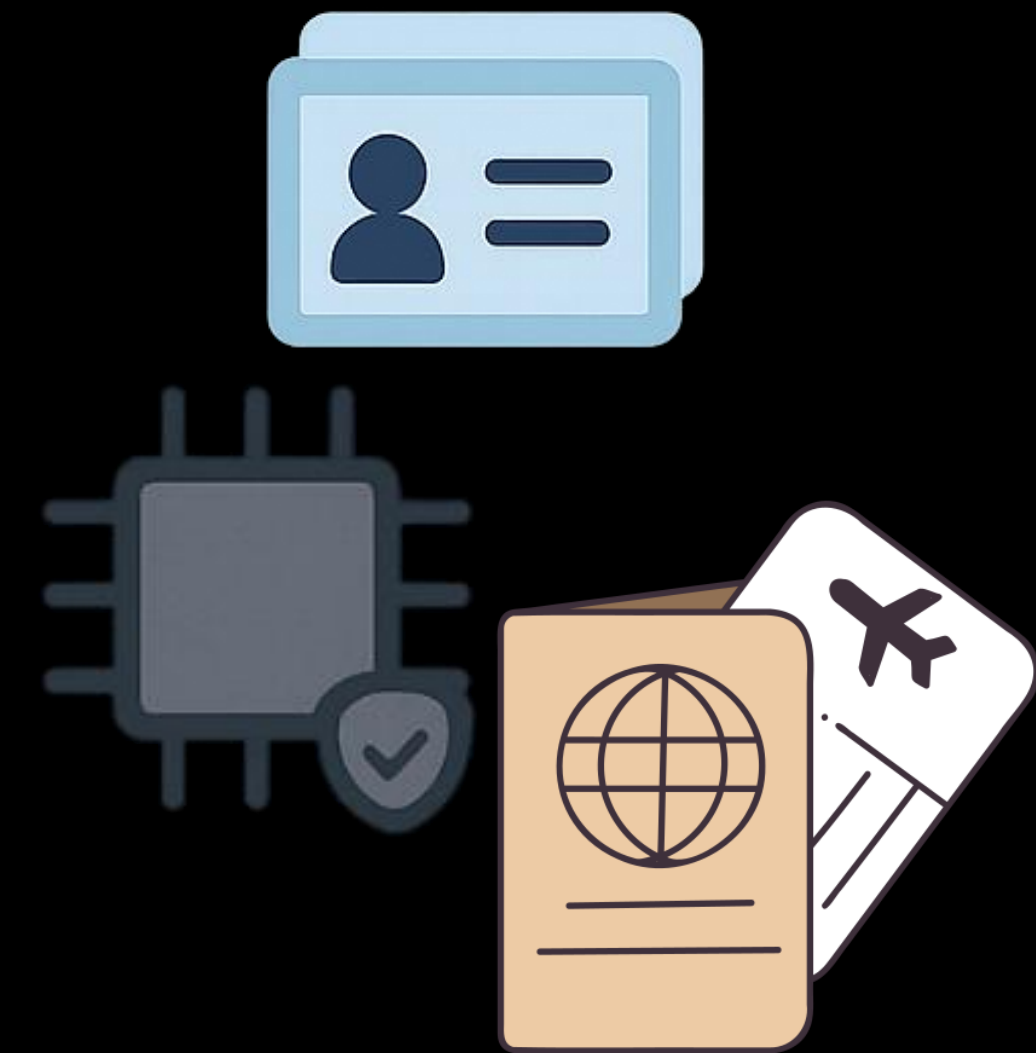
- Verification of the issuer
- Verification of integrity
- Certified hardware



require card reader infrastructure

Digitalization of documents

- Authentication
- Digital Signature
- Changeable Data
- Age check
- Multiple applications



require card reader infrastructure

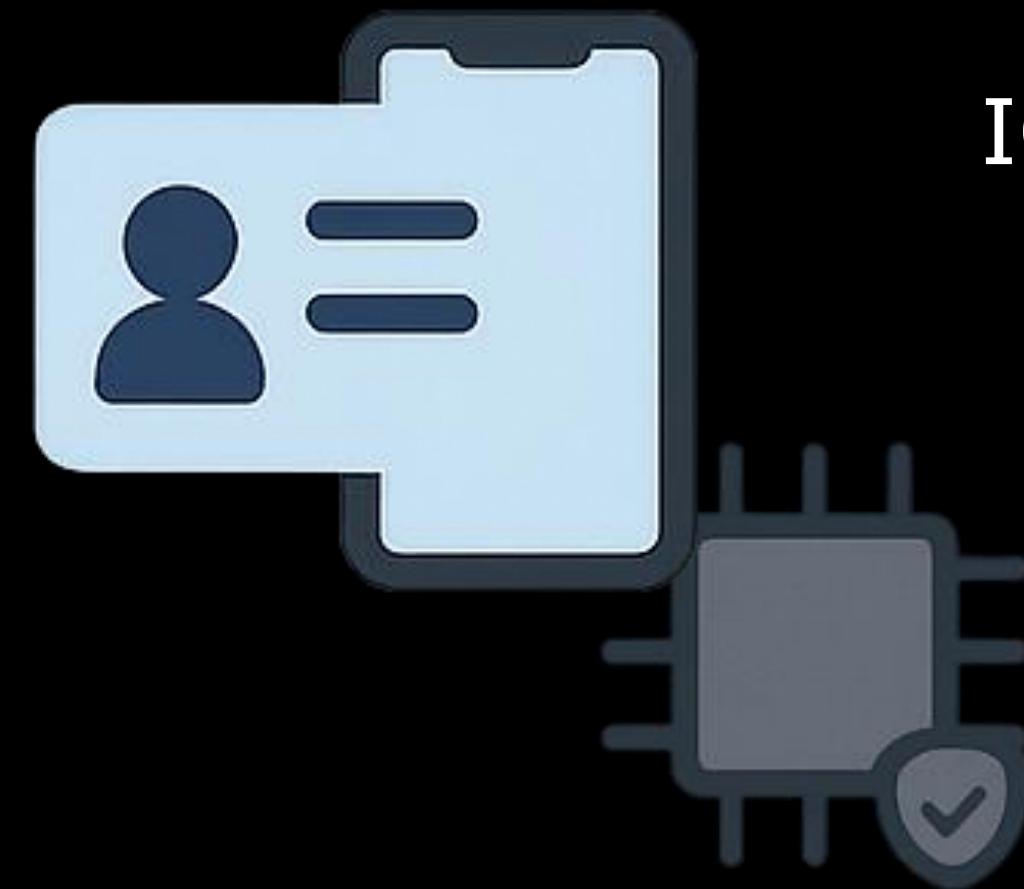
Digitalization of documents into the mobile World

Smartphones are the key into the digital world

- Verification of the issuer
- Verification of integrity
- Certified hardware?

ISO 18013-5
ISO 18013-7

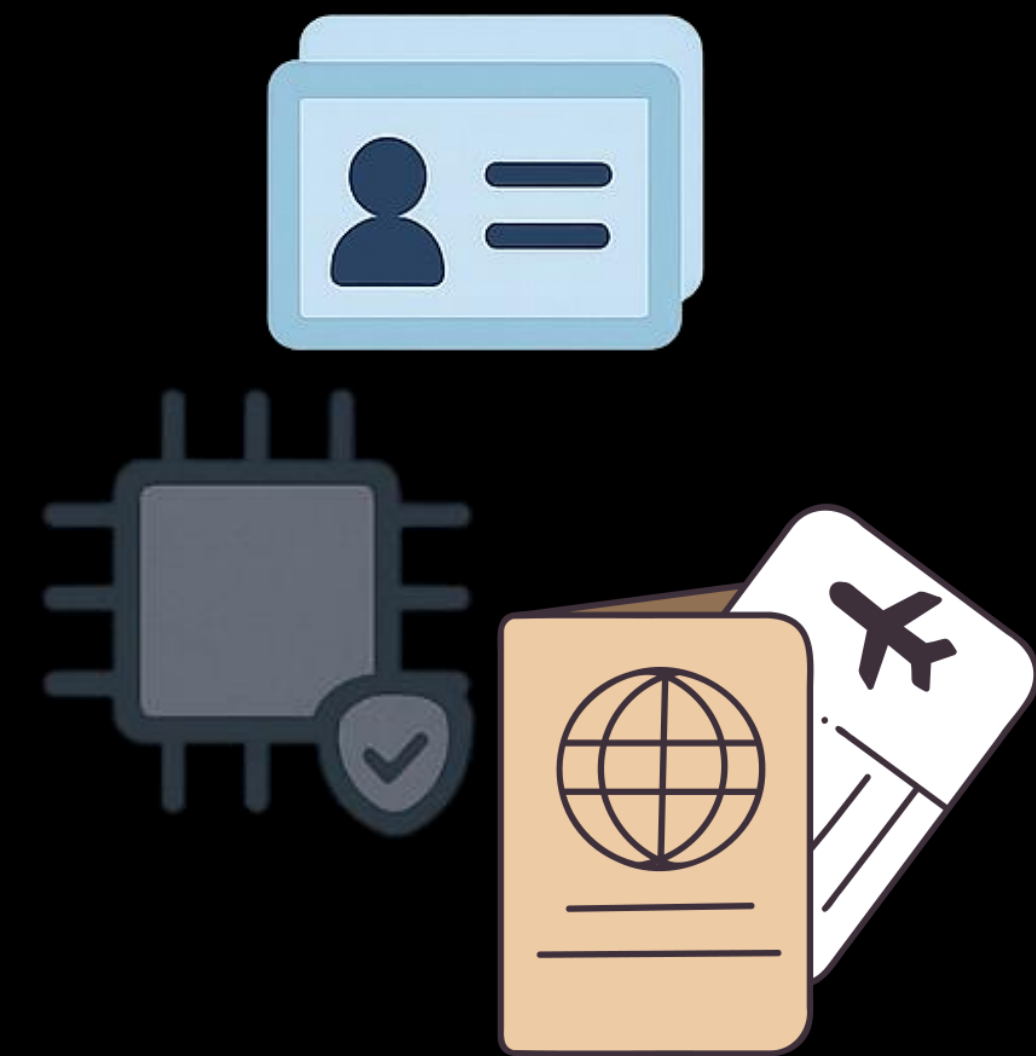
ICAO DTC



Digitalization of documents into the mobile World

Smartphones are the key into the digital world

- Authentication
- Digital Signature
- Changeable Data
- Age check
- Multiple applications



require purely digital verification
and workflow

Why do wallets sound so attractive?

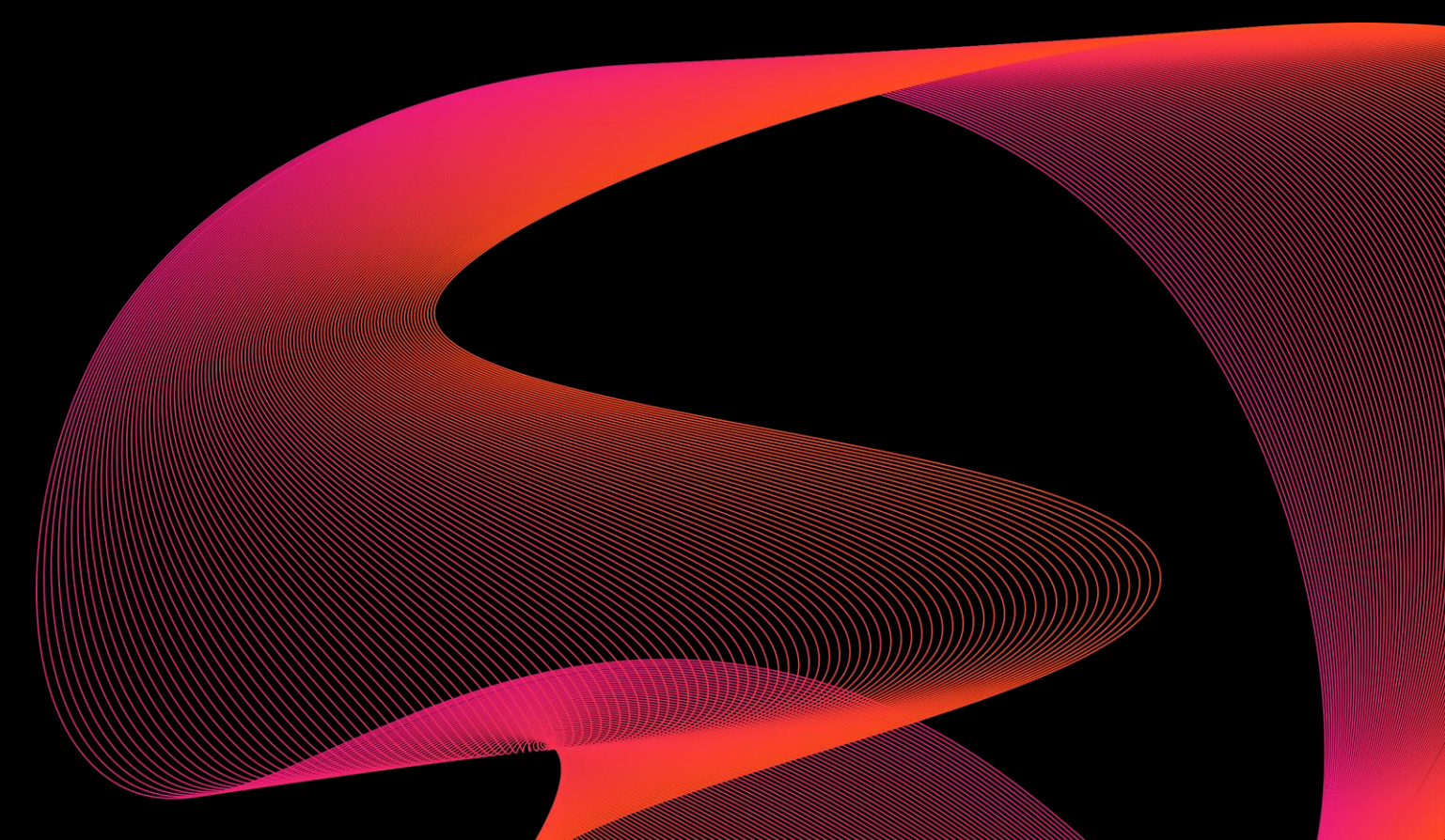
- 85% of the population have a smartphone *
- Smartphones might have secure hardware embedded
- No need for additional hardware
- Much more memory and easily updateable



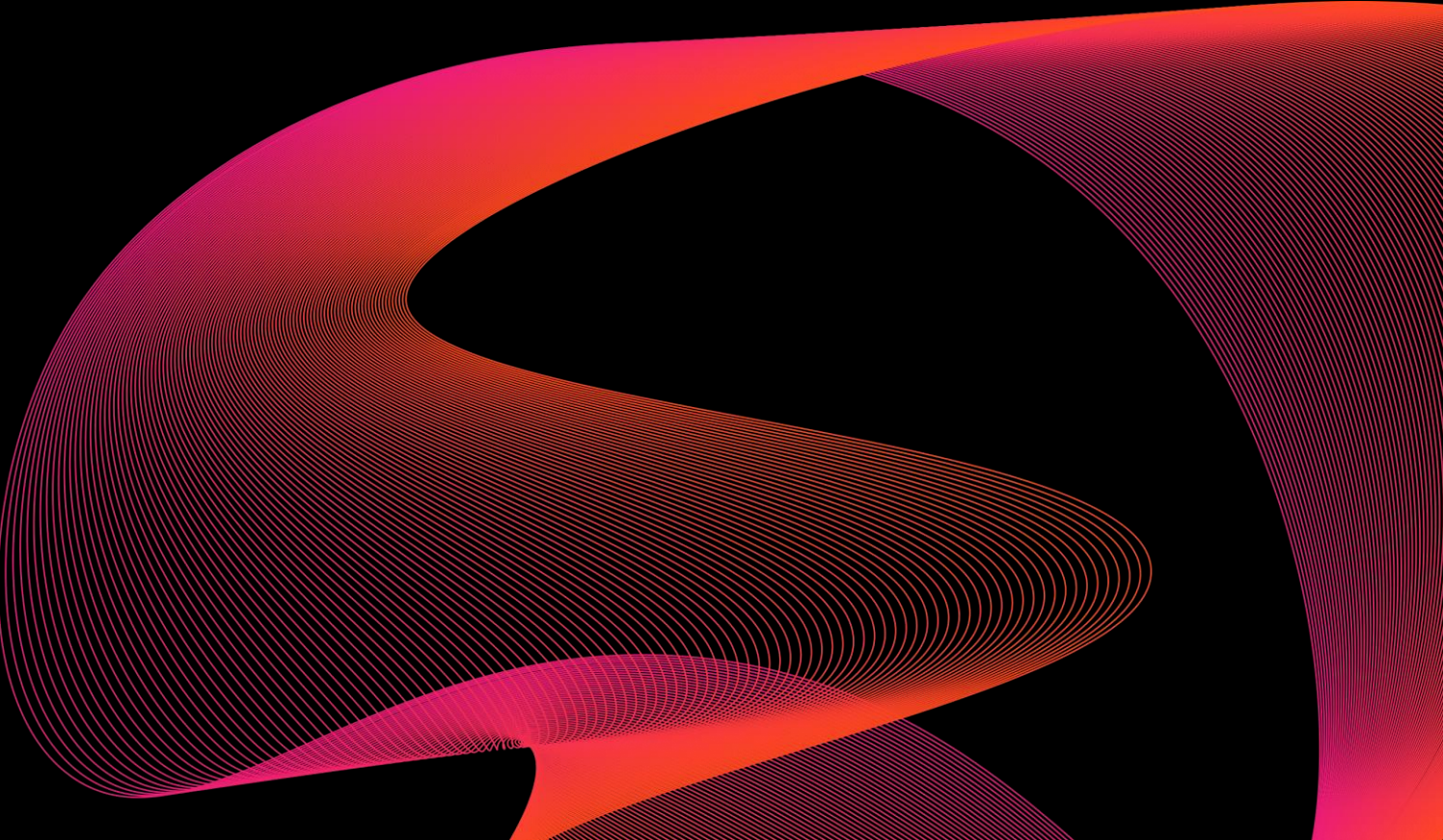
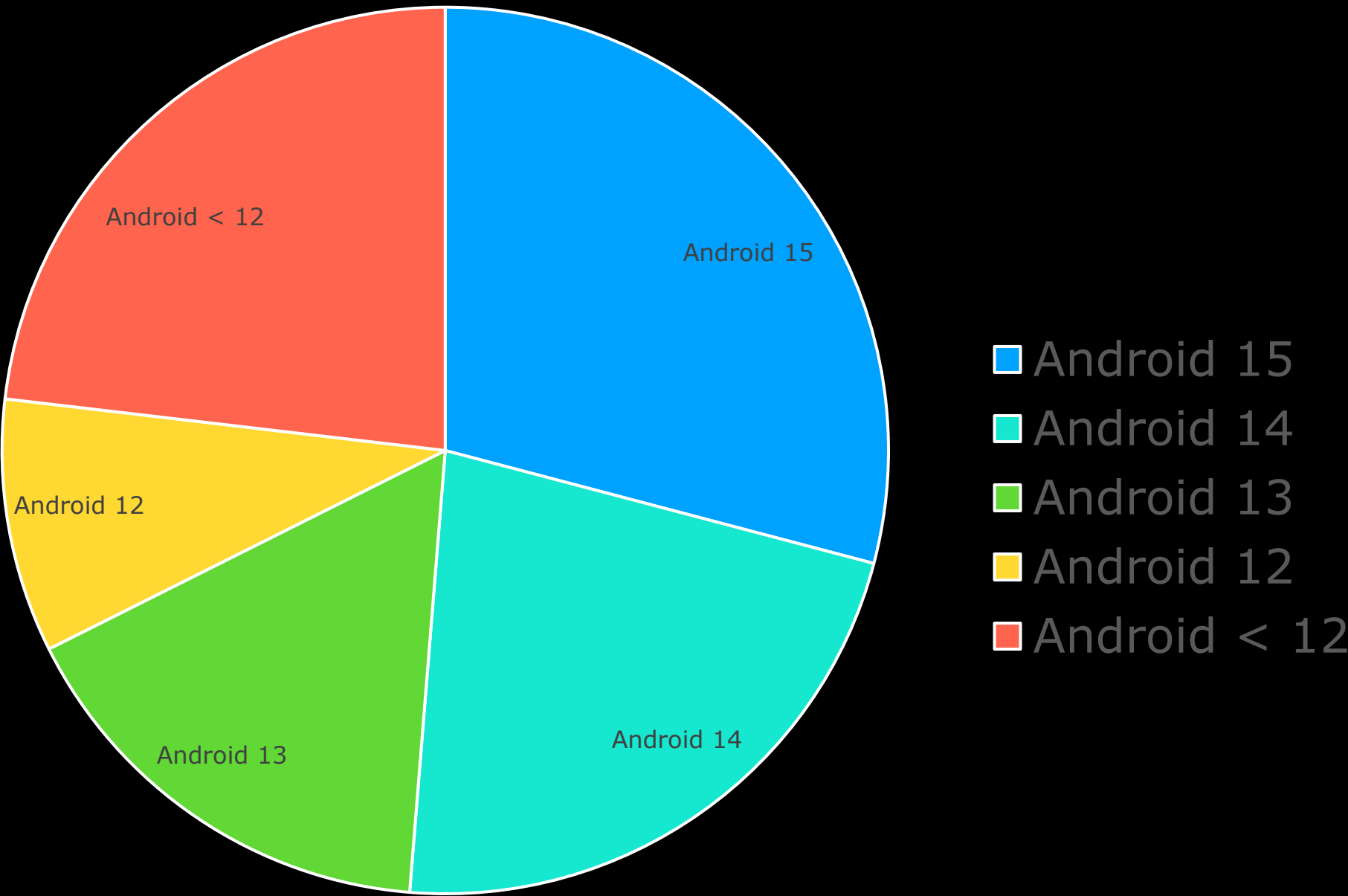
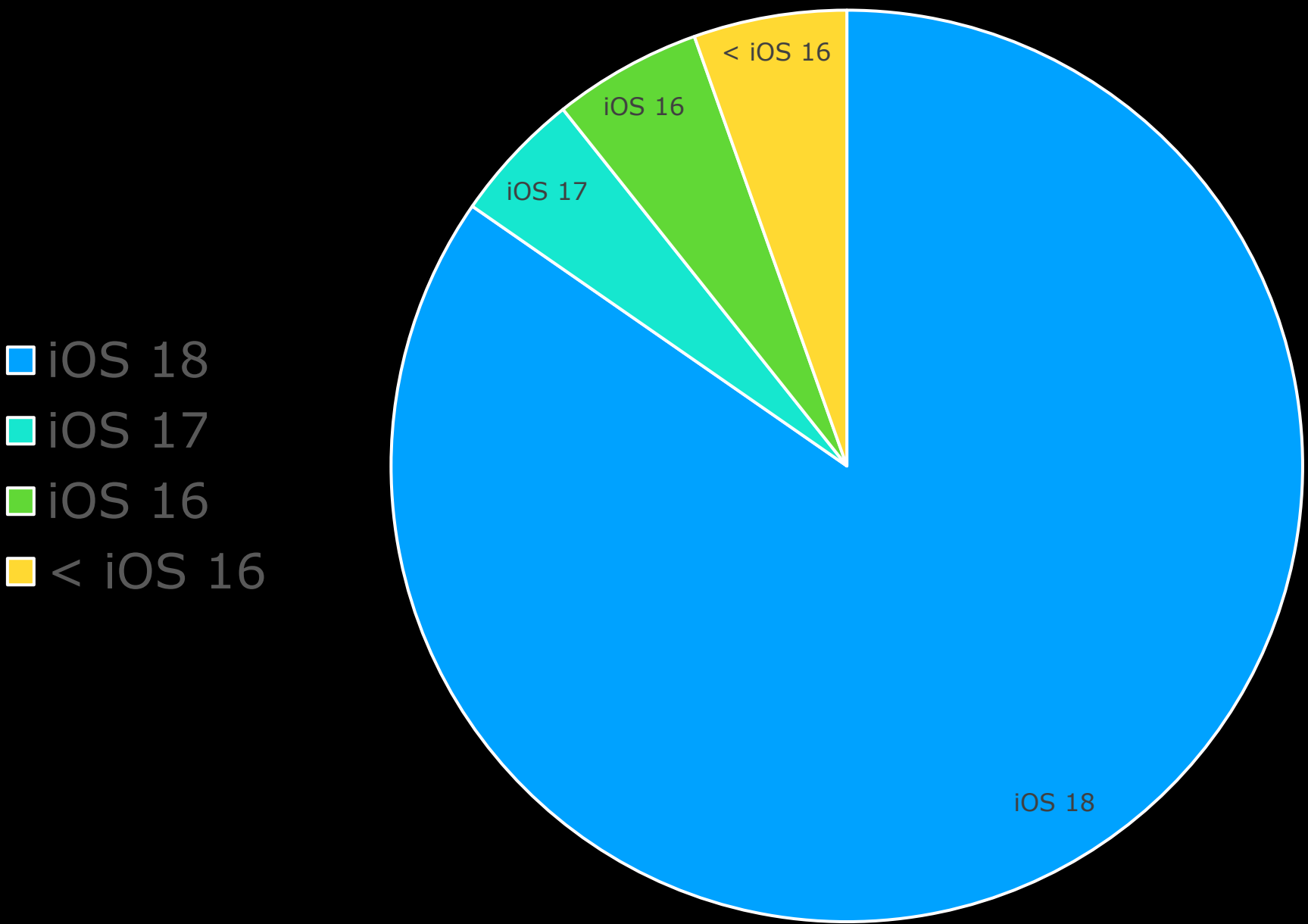


So we don't need a secure document anymore?

- People don't have a smartphone
- Many different mobile operating system versions
- Smartphones break
- Interoperability



So we don't need a secure document anymore?



Why not both?

- Wallet for every day use
- Card as a backup
- Card as the secure key store working with the wallet
- The citizen can choose what to use



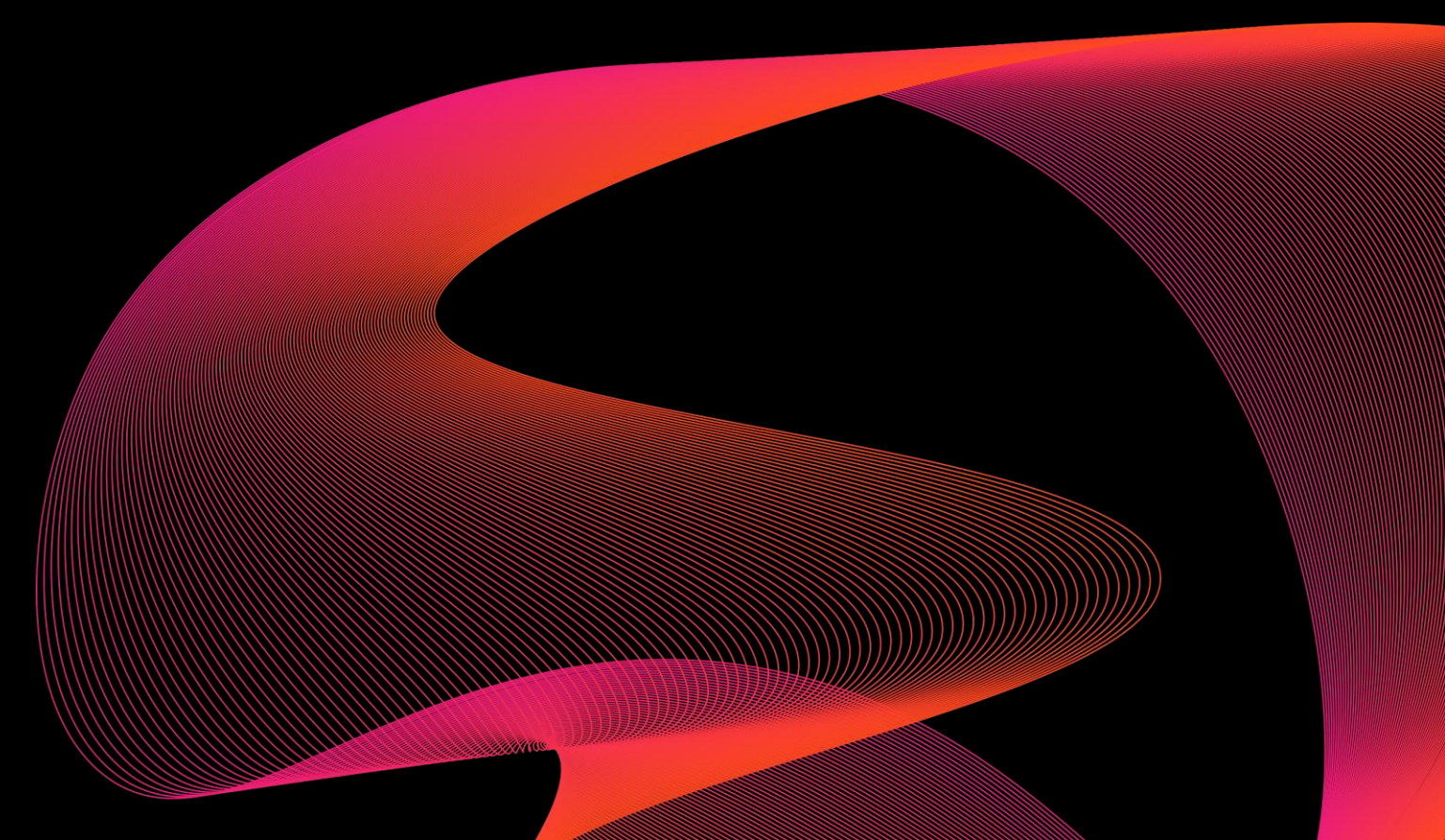
Migration without interruption

- Keep the physical documents
- One card for multiple purposes
- Smooth introduction with a fallback



What we should aim for

- Interoperable solutions
- Inclusive solutions
- Convenient usage for the citizen
- Do not compromise security





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Questions

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TAKE A MINUTE AND GIVE US FEEDBACK

