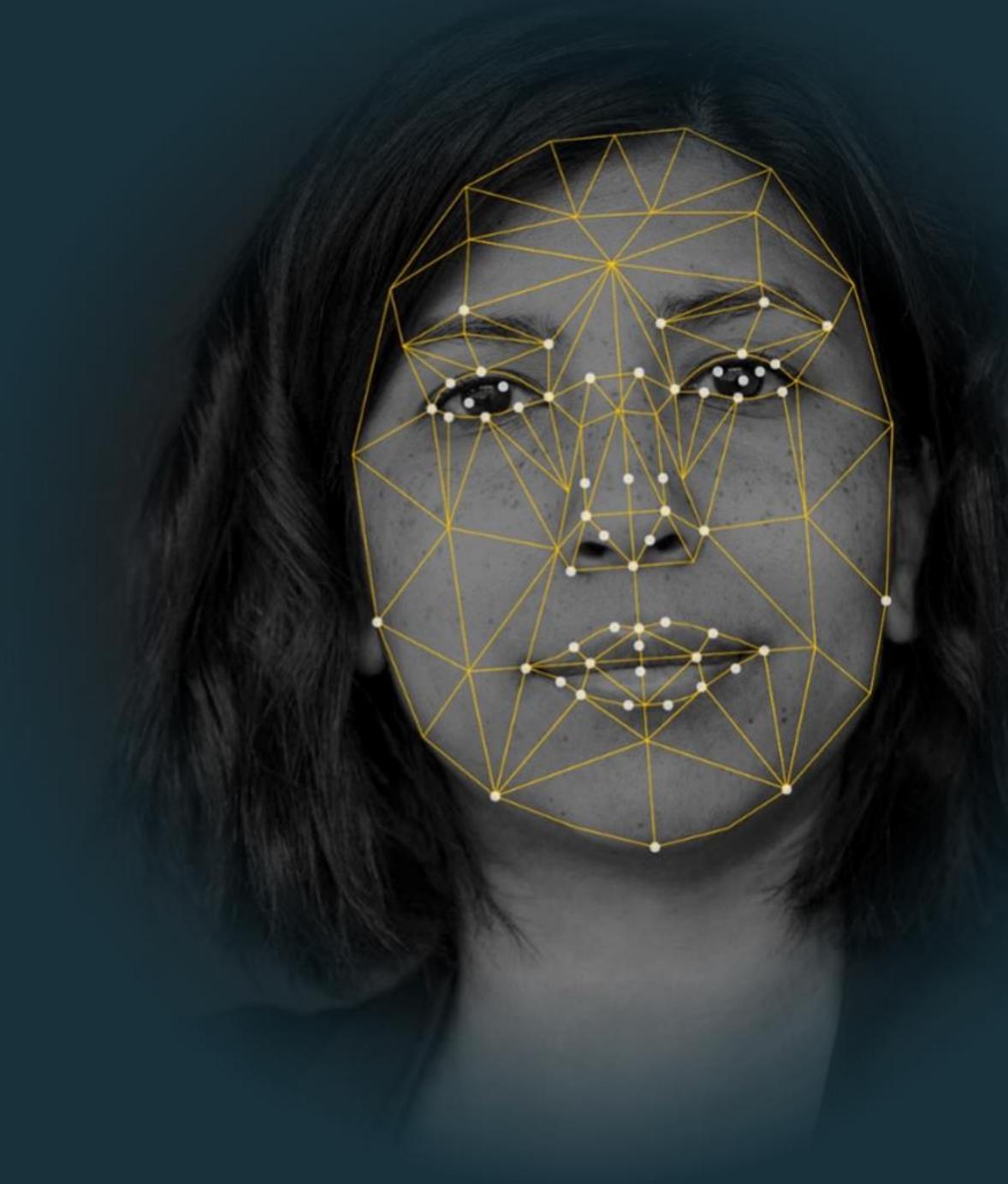




Responsible use of biometrics

Brage Strand
CEO, Mobai
NOBID, 28.01.2026



Founded in
2019 by 3 NTNU
professors and
their PhDs

On a mission to
rid the world of
fraud

eika.

SpareBank 1

tietoevry



NORWEGIAN BIOMETRICS LABORATORY

NTNU

Norwegian University of
Science and Technology

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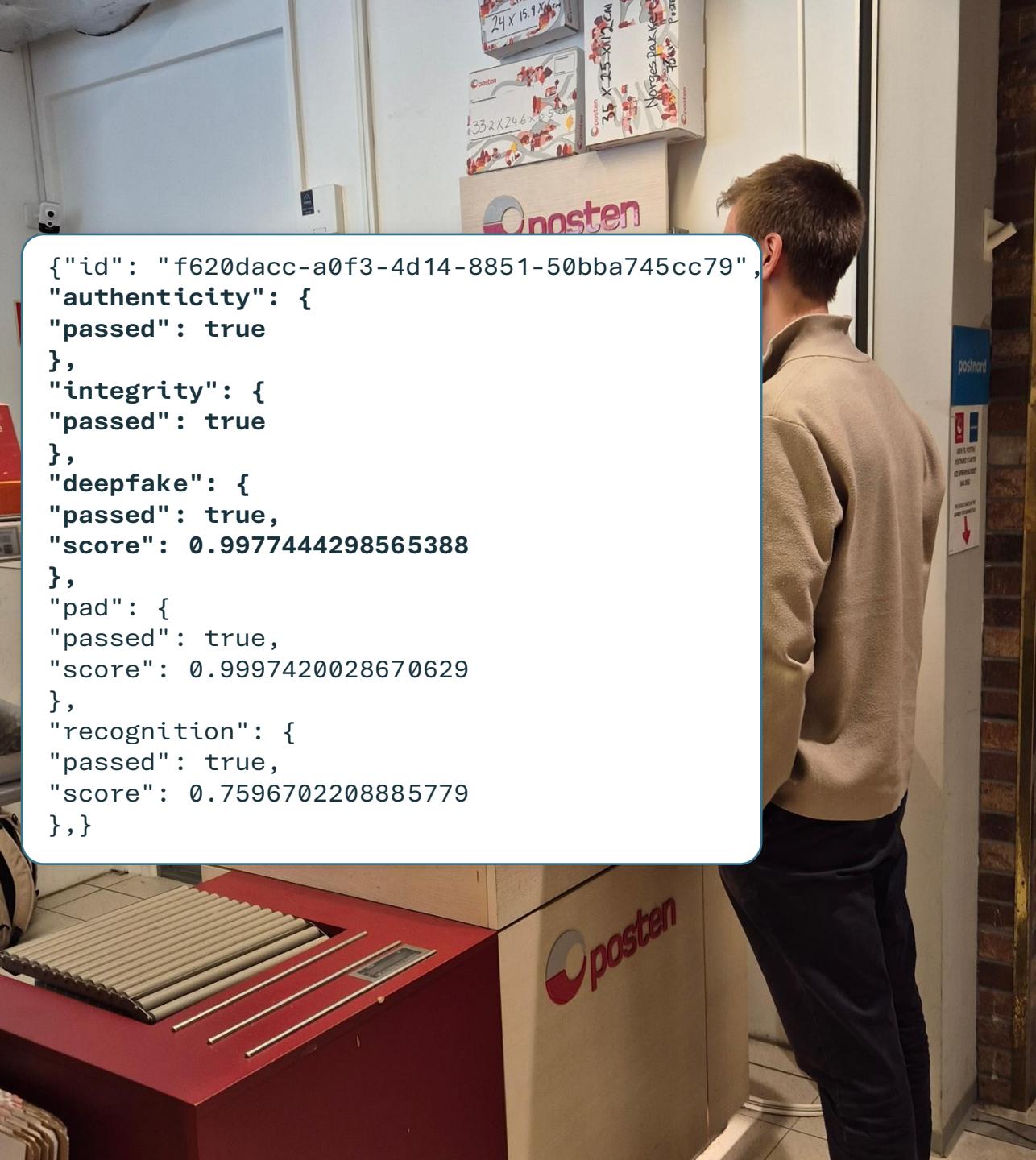


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DN Article:

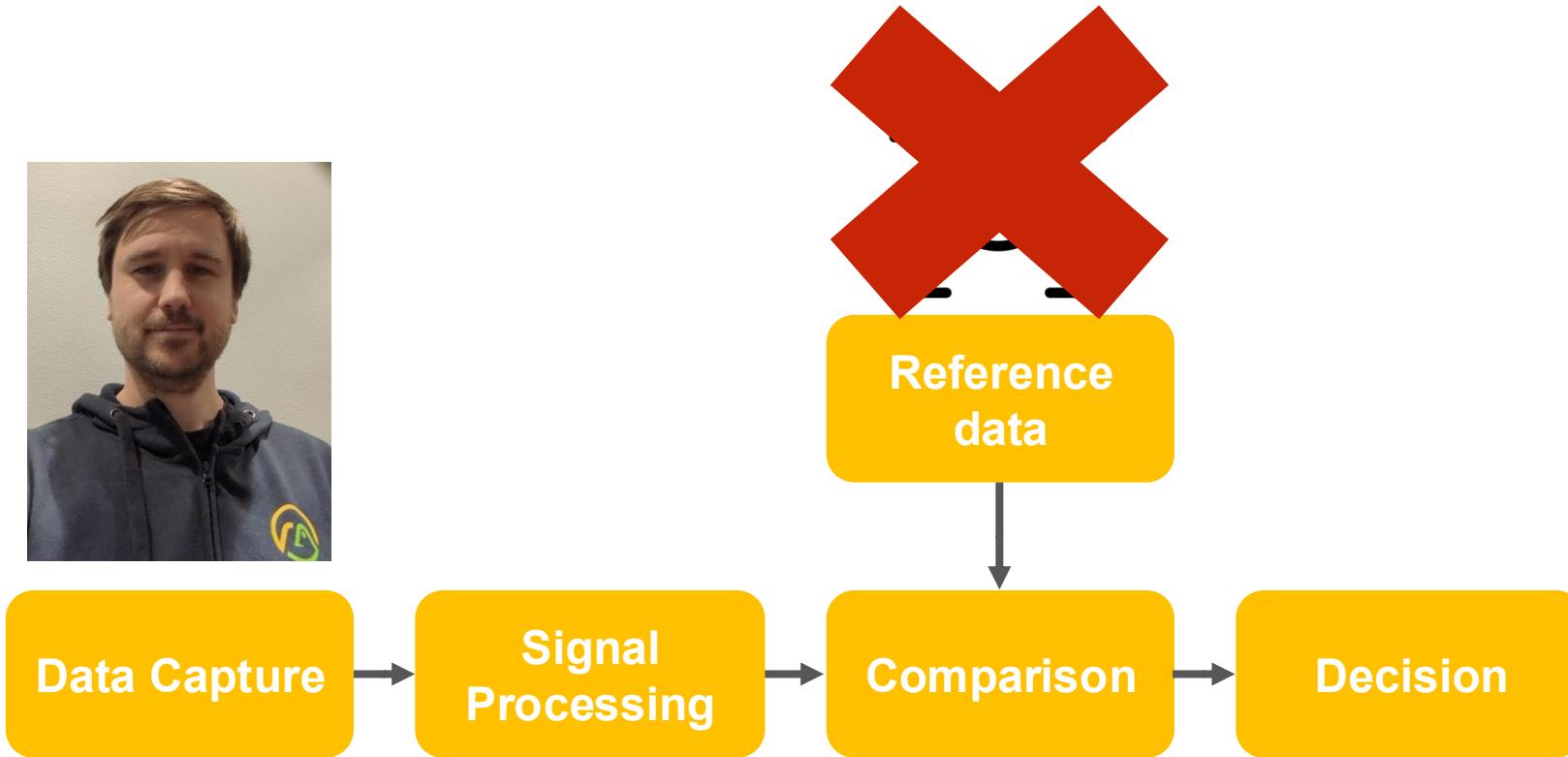
**“This is how
organized crime
steals billions
from the state”**

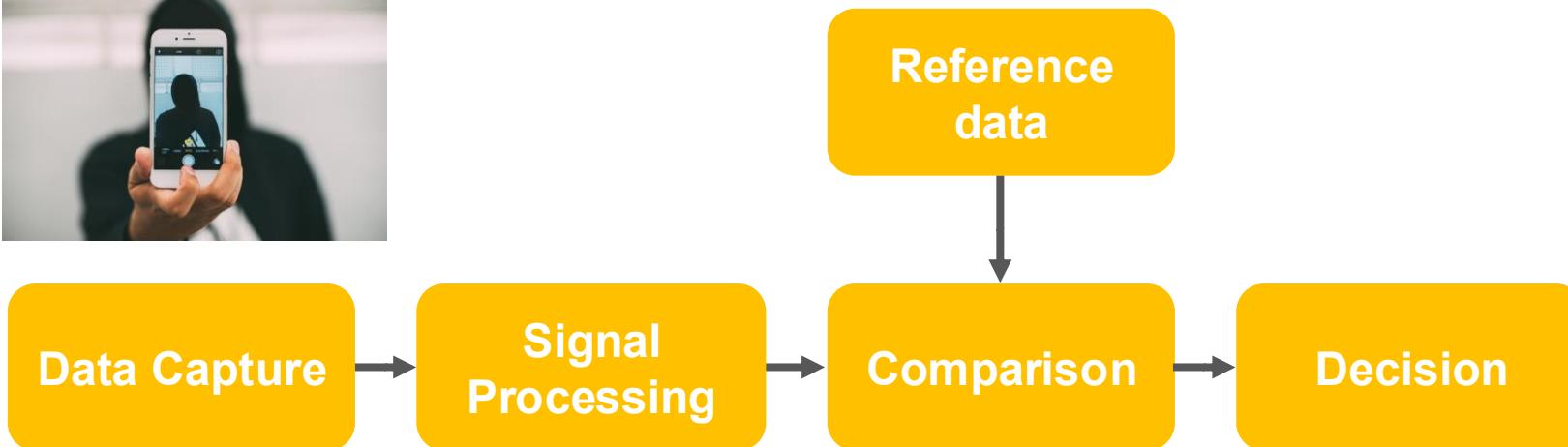
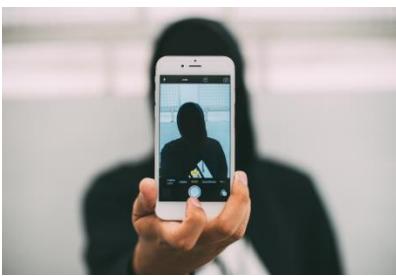
“90 phones with 90 identities
and 90 BankIDs”

- Norwegian Police, DN articles



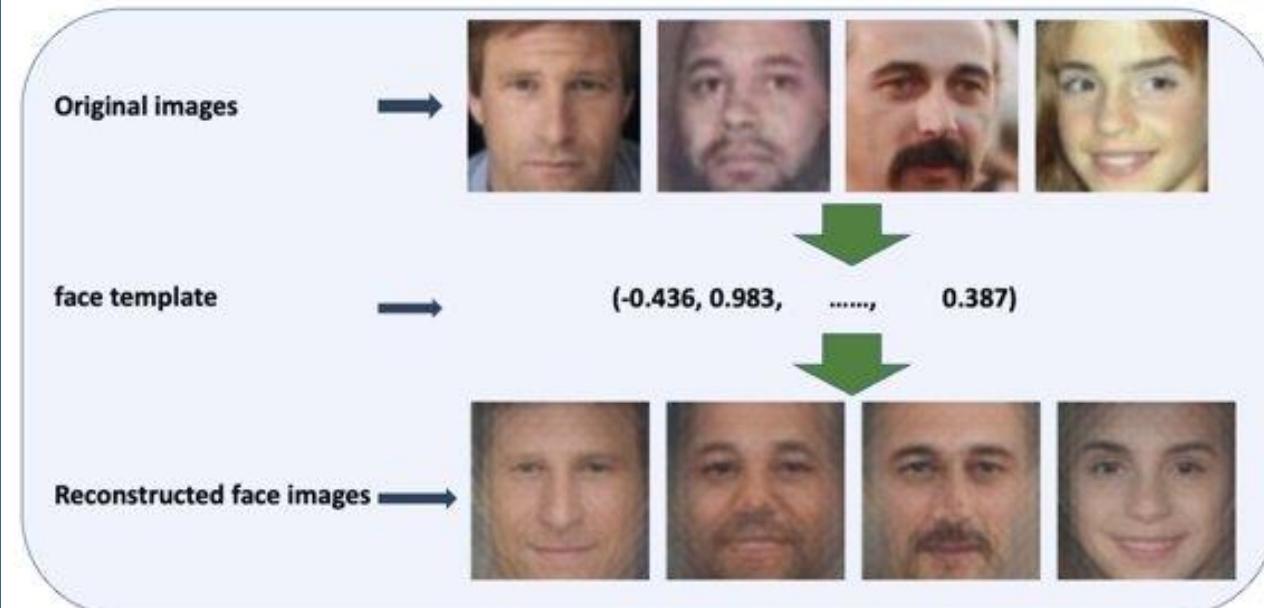
“I have a persons with a BankID
that can be the scapegoat”
- Organized crime, Sorte Svane series





isn't using biometrics scary?
A big risk? Or how to ensure
with GDPR compliance?

You can't reset your face!



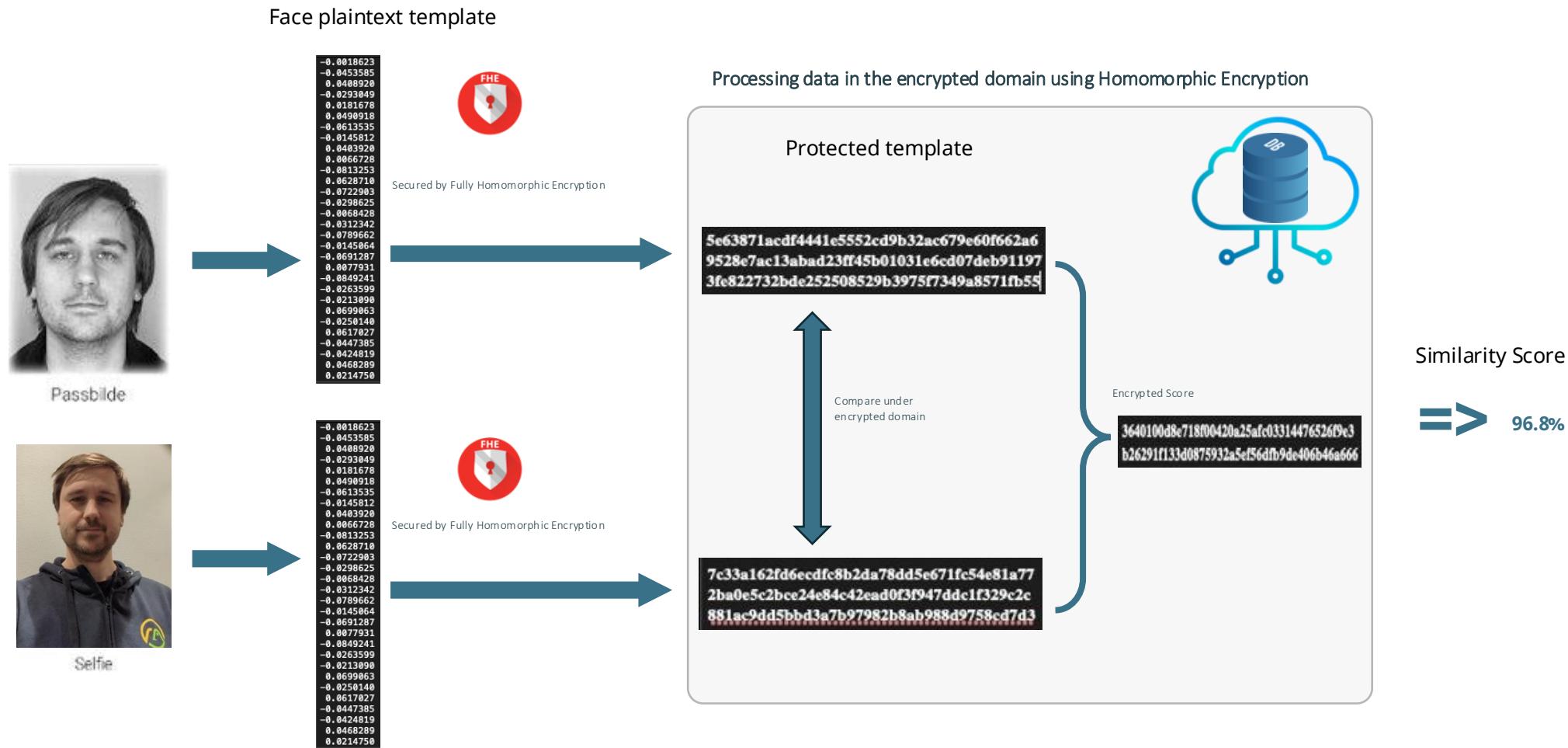
The Sandbox project on 'Securing Digital Identities' with responsible biometrics



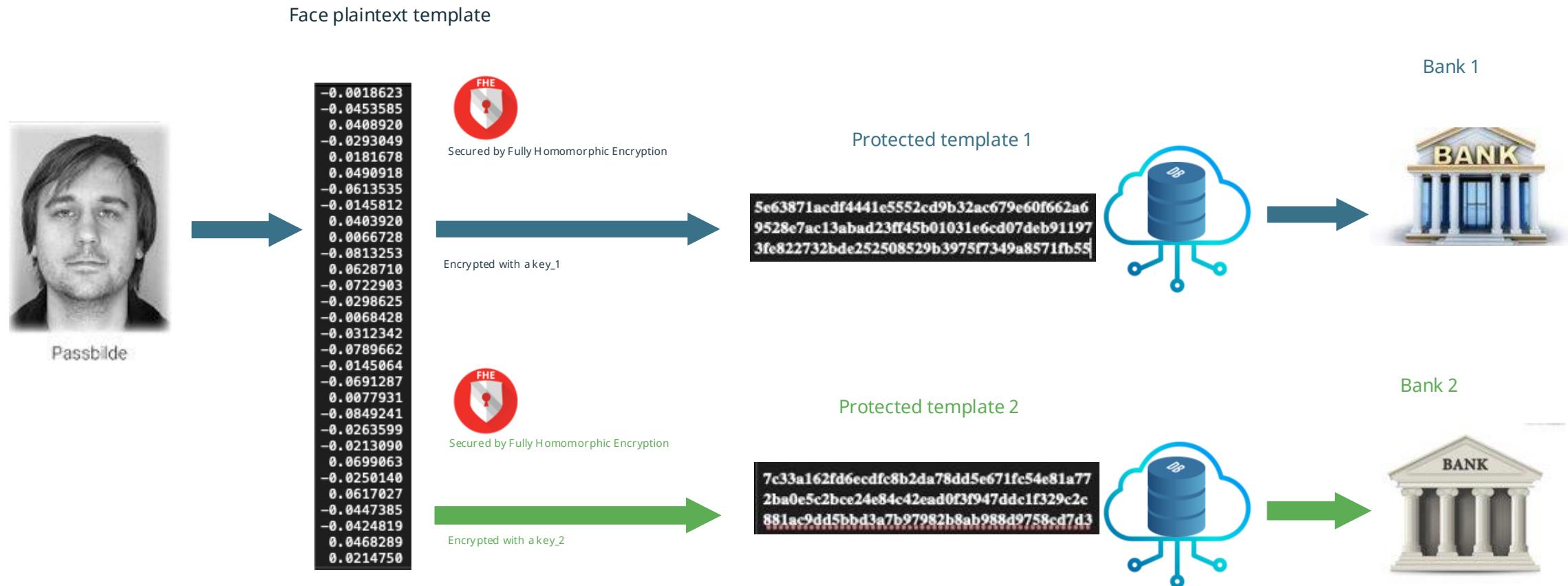
Datatilsynet

SALT (Datatilsynet et al.),
exit report: Securing
Digital Identities

Face verification in the encrypted domain with fully homomorphic encryption



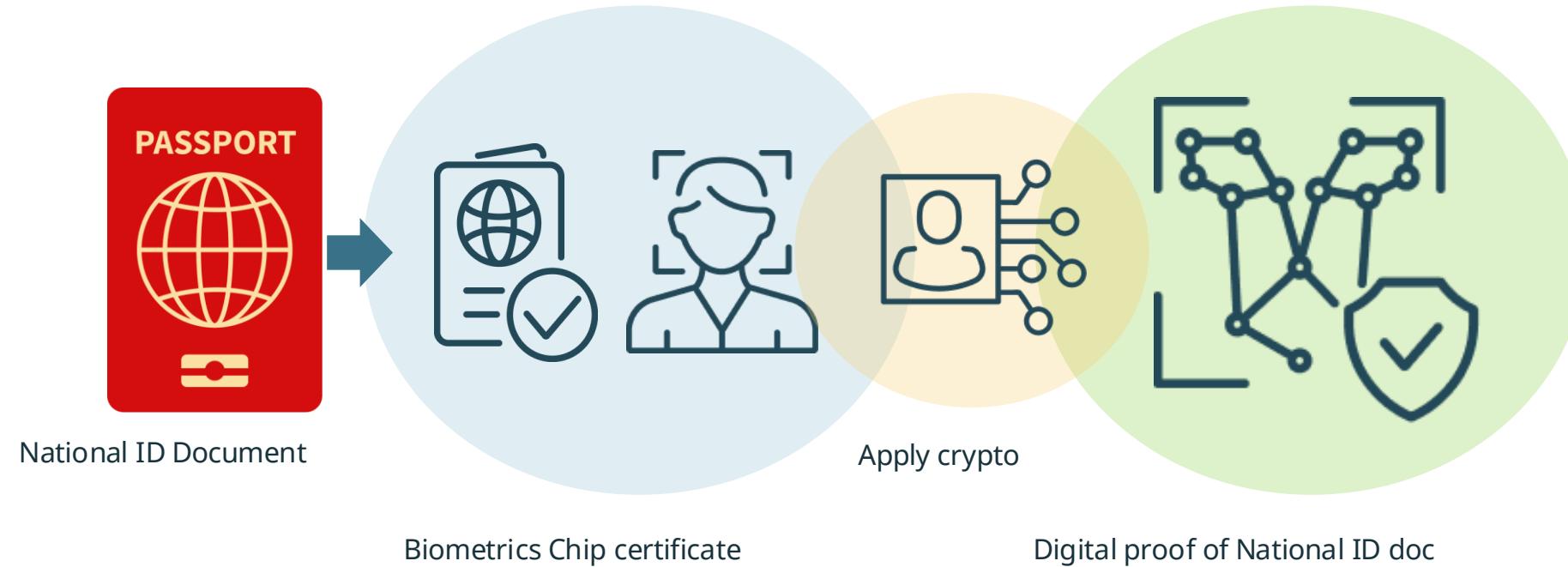
You can, actually, reset your face



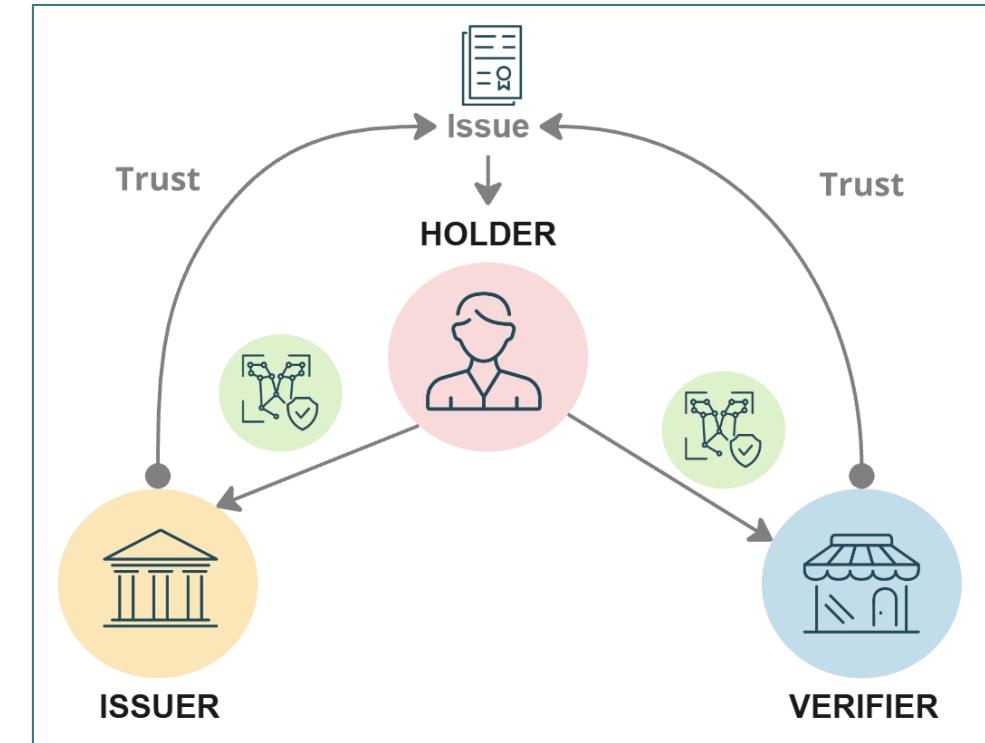
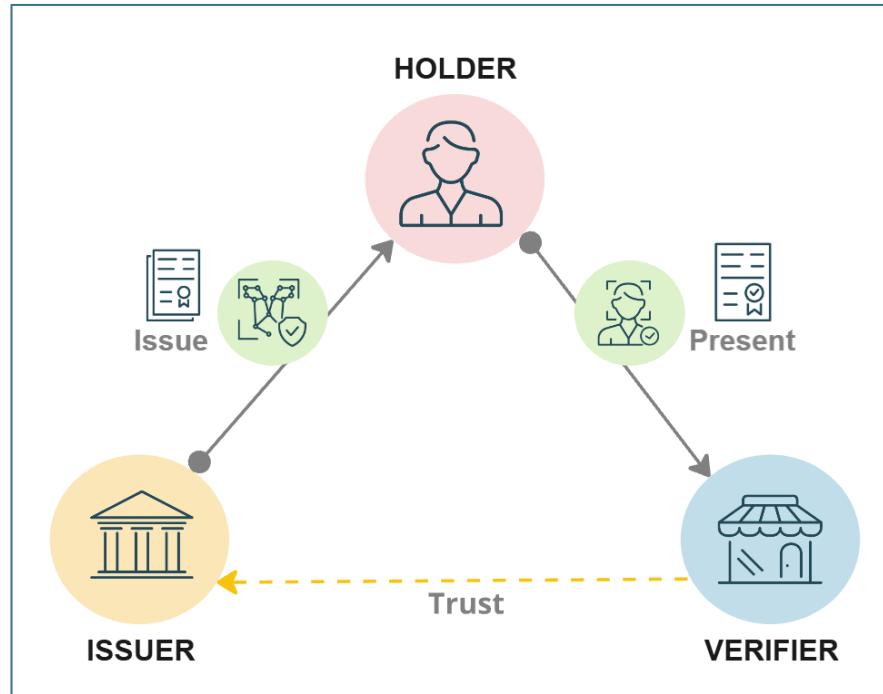


- “when processing facial images, as well as biometric templates, the data controller needs to **ensure appropriate safeguards.**”
- “there is no **absolute ban** on central storage of biometric data ”
- “Mobai's solution **might enable the implementation of central biometric data storage** and processing in cases where it was previously not considered secure enough.”

Safely use, store and share biometrics



Safely use, store and share biometrics



Safari File Edit View History Bookmarks Develop Window Help

localhost

Wallet Demo: Biometric Auth for Interviews

Applicant 007: Jakob Ildstad

Pending Verification

Application Letter

Dear Hiring Manager,

I am writing to express my strong interest in the Office Clown position at Mobai. With a Master's degree in Cybernetics and Robotics from NTNU, I bring a solid foundation in pranks and laughter.

During my studies, I specialized in computer vision and neural networks, achieving a GPA of 9.99. I am particularly excited about Mobai's work in biometric identity verification and believe my background in secure authentication systems would be a valuable addition to your team.

I look forward to the opportunity to discuss how I can contribute to Mobai's mission of making digital identity more secure and user-friendly.

Best regards,
Jakob Ildstad

Request University Diploma

Verify applicant's degree with biometric authentication

► Debug Log

Safari File Edit View History Bookmarks Develop Window Help

localhost

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I look forward to the opportunity to discuss how I can contribute to Mobai's mission of making digital identity more secure and user-friendly.

Best regards,
Jakob Ildstad

 University Diploma Received Authenticate with Biometrics

Given Name	Jakob
Family Name	Ildstad
Date Of Birth	1995-01-01
University	NTNU
Degree	Cybernetics and Robotics
Field Of Study	Cybernetics
Graduation Date	2023-01-01
Average Grade	9.99
Biometric Token	ce46cf3c-3718-4e27-9c8e-141e889a576f

▶ Show verification steps

▶ Debug Log

In a physical world we are in control

- Passport & National ID-card
 - Biometrics: Issued by authorities
 - Decentralized storage
 - User in control of ID-document



User-control lost after sharing online

- Physical environments
 - Context is understood
- Online environments
 - No user control of shared passport data
 - Trust-dependency to whom you share with





Enroll Passenger

Passport Number

Take Selfie

Enroll

Processing Details



Passenger Check-In

Passport Number

I

Select Airline

Take Selfie

Start Encrypted Check-In

Processing Details

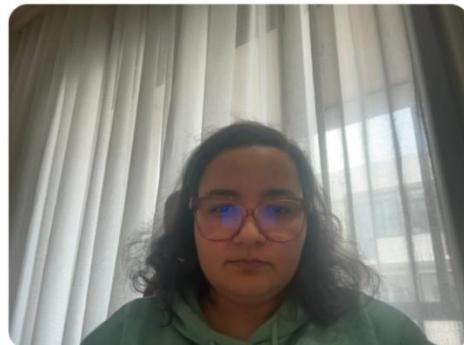


Passenger Check-In

C45782931

Lufthansa

Take Selfie



Start Encrypted Check-In

Encrypted decision sent to your Airline.

Processing Details

Protected Probe Size: **64.00 KB**

Encrypted Decision Size: **2.19 MB**

EU Digital Omnibus with suggested GDPR amendment to Article 9

(lawful processing of special category of data)

(1) processing of biometric data is necessary for the purpose of confirming the identity of a data subject (verification), where the biometric data or the means needed for the verification is under the sole control of the data subject.'

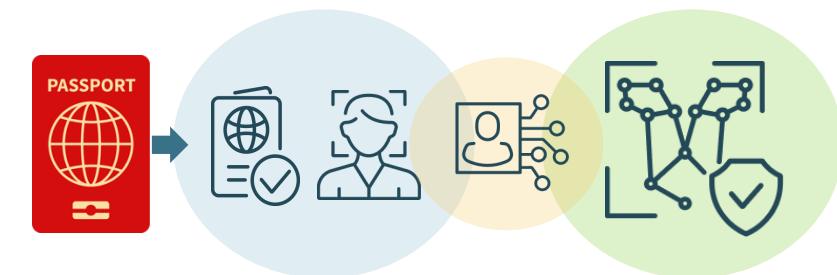
On going R&D project on leveraging privacy-secured biometric ID proofs



- Collaboration project with Simula Research Institute, University of Leuven, Mobai & Partisia
- End users Digdir (NOBID project), UDI (Immigration), & Buypass (eID)



ID matching sandbox





mobai
Multimodal
Biometric
Authentication

www.mobai.bio

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CEO Mobai
Tel +47.404.90.411
brage@mobai.bio

