



PRIVIDEMA



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Factsheet 02: Biometrics that Protect Privacy

Proving who you are—without exposing who you are

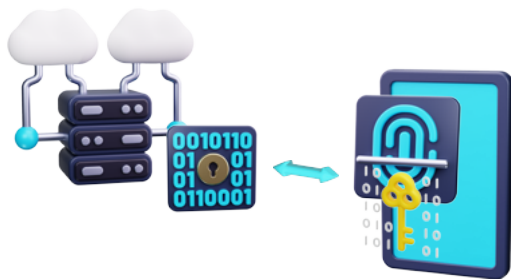


The Problem

Biometrics simplify access to services but are highly sensitive: once exposed, they cannot be changed. Traditional systems often process biometric data in plain form or in central repositories, creating risks.

PRIVIDEMA's Contribution

We prototype encrypted biometric verification using modern PETs with or without hardware acceleration, define security requirements for providers, and produce guidance for wallet developers and authorities.



The Solution

PRIVIDEMA follows a privacy-by-design approach: a biometric sample is converted into a template and encrypted at capture; verification compares encrypted samples with encrypted templates—never requiring decryption.

The result: high-assurance authentication for the EUDI Wallet without central biometric databases or plaintext processing.

European Impact

Citizens retain control of their identity data. Service providers gain strong, user-friendly authentication that aligns with EU principles of data minimisation and privacy by design.



Consortium
7 Partners
5 Countries



Budget
€ 5.3 Million
€ 3.1 EU-funded



Duration
36 Months
11/2024 - 10/2027



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