


# CONSORTIUM

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From Real-world Identities to  
Privacy-preserving and  
Attribute-based CREDENTIALs for  
Device-centric Access Control


 **University of Piraeus Research Center**  
Coordinator

 **Telefonica Investigacion Y Desarrollo SA**

 **VERIZON Nederland BV**

 **certSIGN SA**

 **WEDIA Limited**


 **EXUS Software Ltd**

 **UPCOM BVBA**

 **DE PRODUCTIZERS BV**

 **Cyprus University Of Technology**

 **Universidad Carlos III de Madrid - IMDEA**

 **Consorzio Nazionale Interuniversitario per le  
Telecomunicazioni, (Italy)**

 **Studio Professionale Associato a  
BAKER & MCKENZIE**



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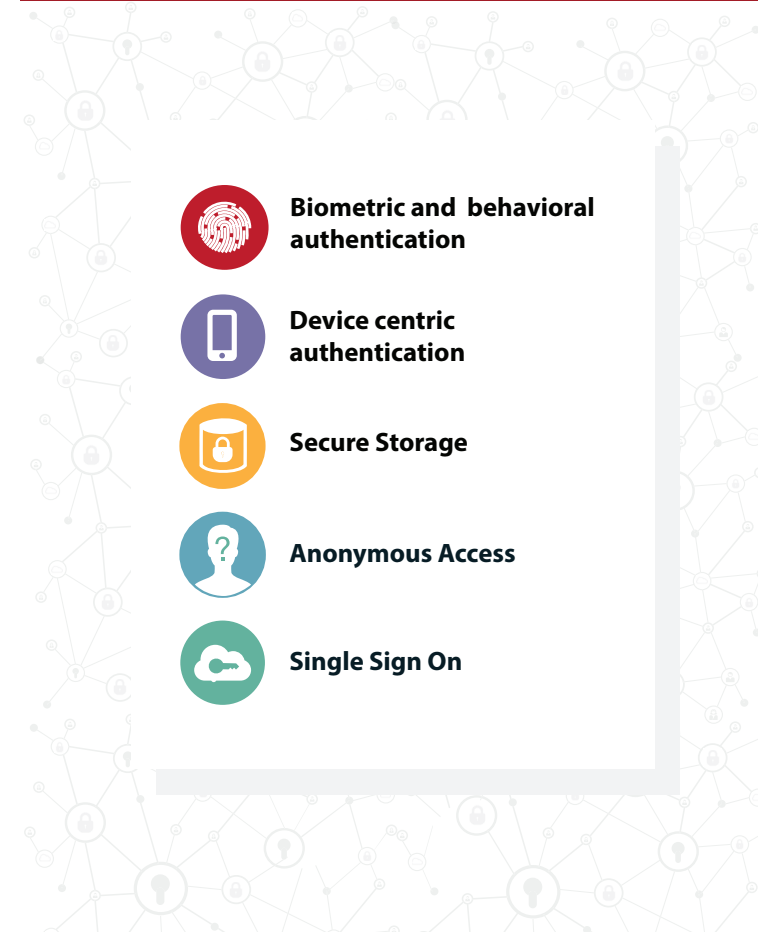
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## Project Purpose

ReCRED is an EU funded project and its ultimate goal is to promote the user's personal mobile device to the role of a unified authentication and authorization proxy towards the digital world.

ReCRED moves the burden of authentication from the user to the device itself, taking full advantage of smartphones' inherent capabilities. Users can be authenticated by their mobile devices, locally, using fingerprint, face recognition, how they walk, type, move around the city, etc., while the device in collaboration with the ReCRED platform provide access to the subscribed services (e.g. e-banking accounts, social media accounts, etc).

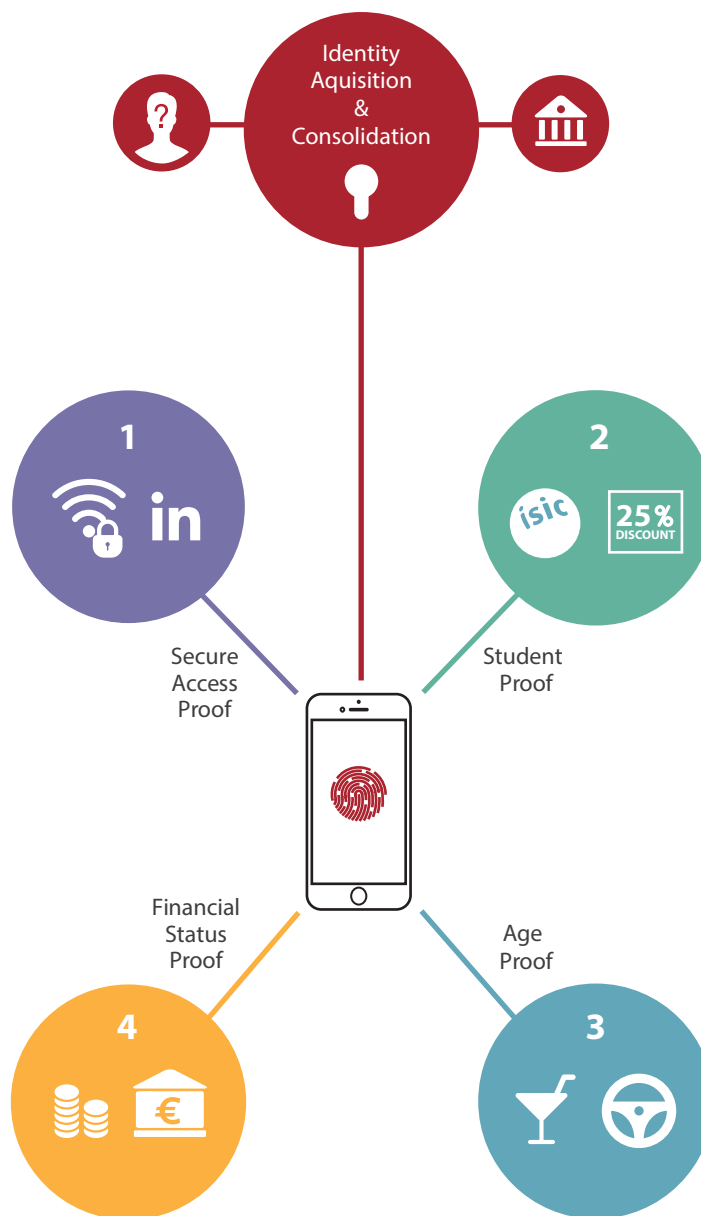
ReCRED also offers two additional innovations:

- a) the consolidation and management of online user identities and accounts, and
- b) the issuance of anonymous credentials that verify specific attributes or properties of the users, while guaranteeing the latter's anonymity.

## ReCRED's advantages

ReCRED is targeting to offer the following advantages:

1. **Device centric authentication**, using either biometrics or behavioral characteristics that overcomes the password overload problem.
2. **Account consolidation** to solve the problem of dispersed identity attributes.
3. **Anonymous access** to address privacy issues.



## Technologies

- FIDO UAF



- OpenID Connect



- U-Prove



- Trusted Execution Environment (TEE)

- Idemix



## Pilots

### Pilot 1

Campus-wide Wi-Fi and web services access control

### Pilot 2

Student Authentication and Offers

### Pilot 3

Age verification online gateway

### Pilot 4

Microloan origination