

ReCRED



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

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ReCRED Consortium

- Project funded by EU under H2020
- Call Identifier: H2020-DS2-2014-1



www.recred.eu



ReCRED Context

8.15 billion Mobile connections

5.02 billion unique subscribers

\$1.06 trillion Revenue/year

6.4 billion Connected "Things" Will Be in Use in 2016*

81% of confirmed data breaches involved leveraging weak, default or stolen passwords.



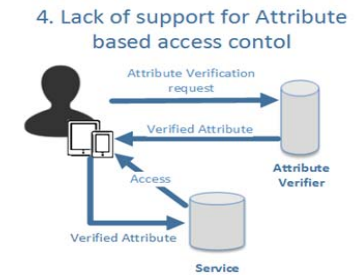
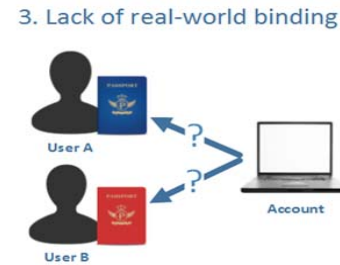
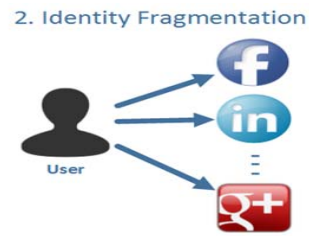
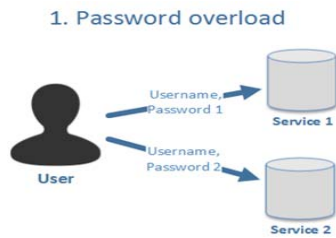
Source: <https://www.gsmaintelligence.com/>

*Gartner



ReCRED's goal

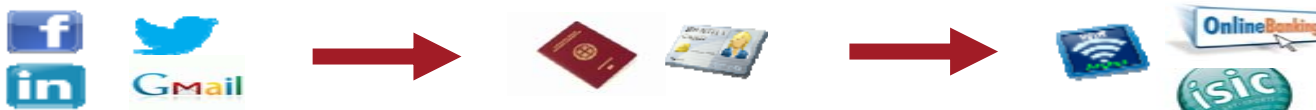
- To promote the **user's personal mobile device** to the role of a unified **authentication** and **authorization proxy** towards the digital world.



ReCRED concepts



• User to Device & Device to Service authentication



Binding digital Identity with Real-world Identities



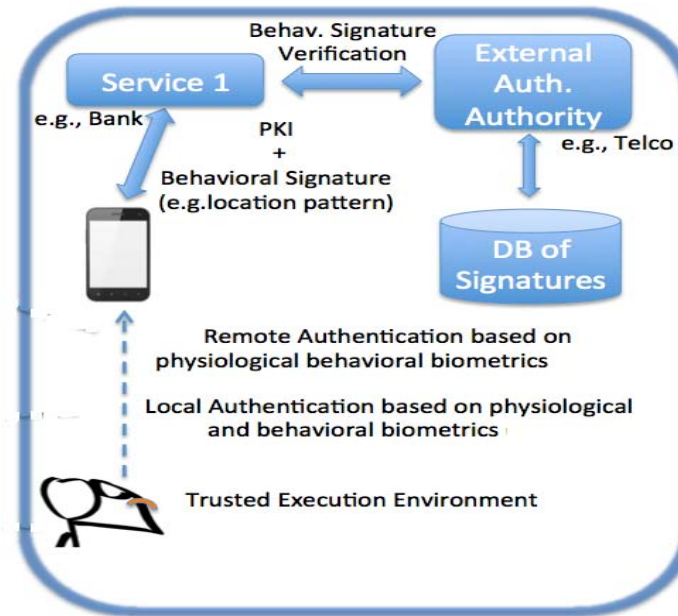
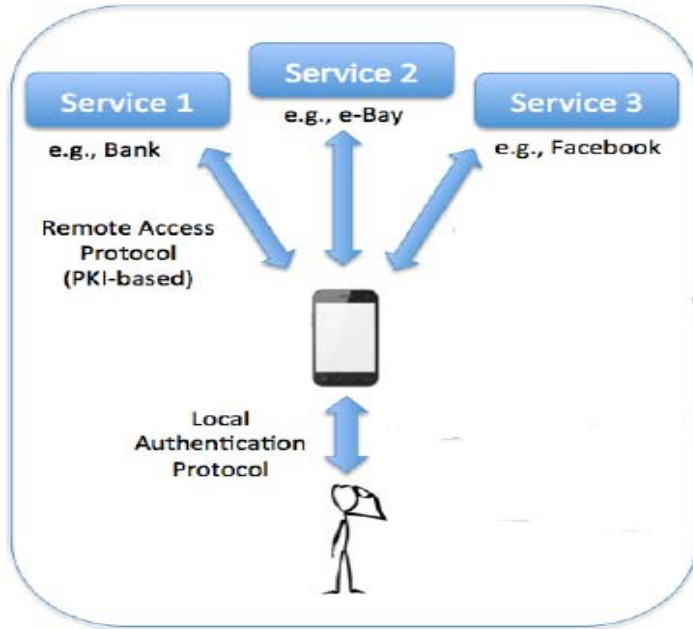
Account less access through verified identity attributes
(eg. Age, location etc)



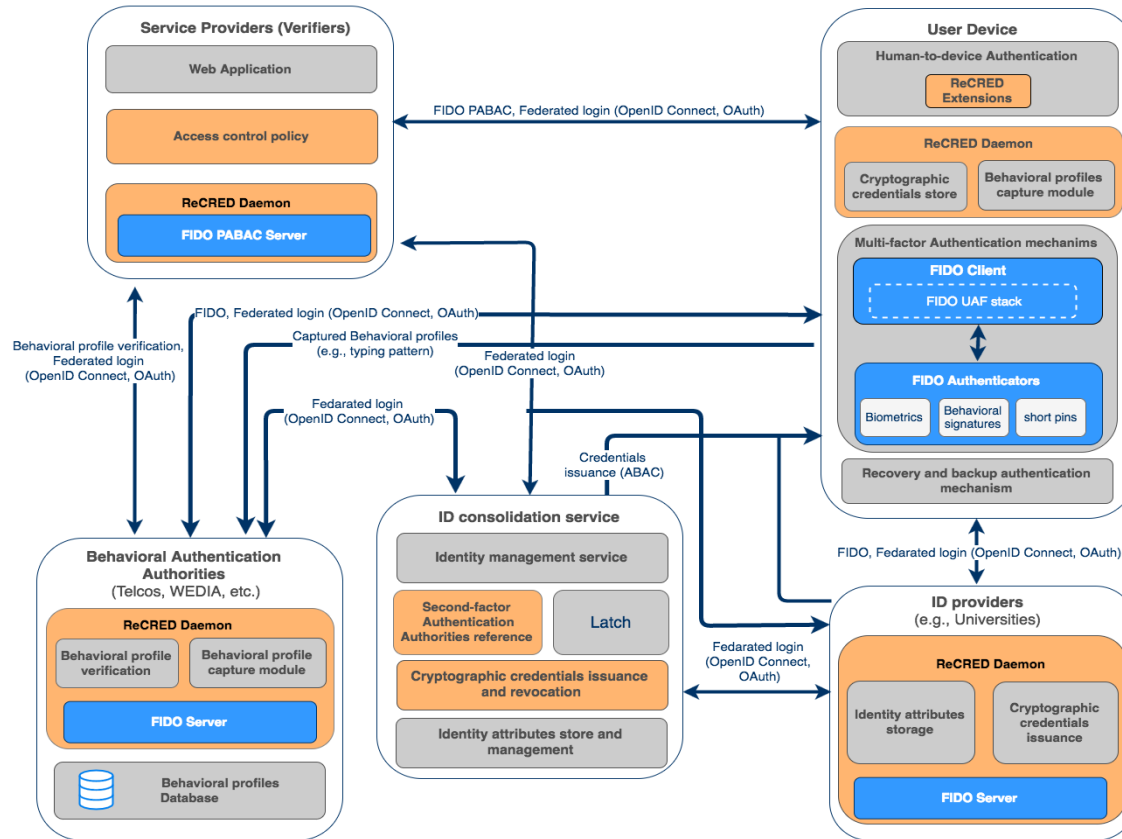
ReCRED's adopted Technologies and Standards



ReCRED's adoption of FIDO

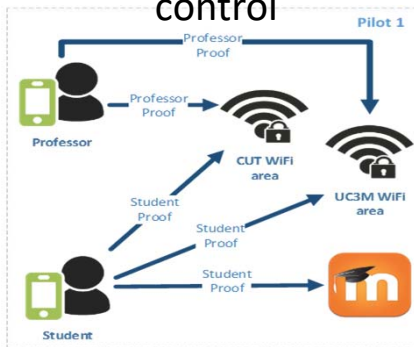


ReCRED reference Architecture

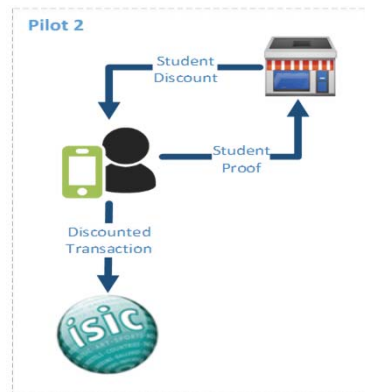


ReCRED's Pilots

Pilot 1:
Device-centric
campus WiFi and
web services access
control



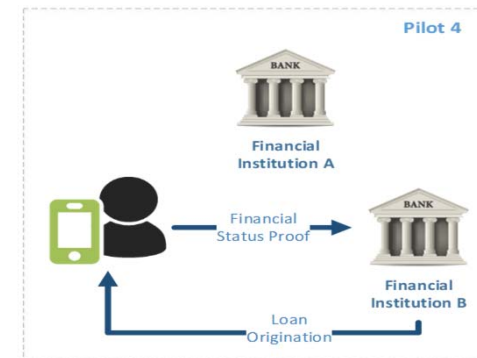
Pilot 2: Student
authentication
and offers



Pilot 3: Attribute-
based age
verification online
gateway



Pilot 4: Financial
services –
microloan
origination



Where to find more information

- www.recred.eu
- **Linkedin:** [ReCRED - H2020](#)
- **Facebook:** <https://web.facebook.com/ReCRED-393935714133064/>
- **Twitter:** @ReCRED_H2020
- **DBIR REPORT:**
http://www.verizonenterprise.com/resources/reports/rp_DBIR_2016_Report_en_xg.pdf

Thank you.