

INCOGNITO NEWSLETTER



ISSUE 4 | May 2021



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INTRODUCTION

We are pleased to announce the publication of the third issue of the INCOGNITO newsletter. If you are interested in cybersecurity and privacy, you are at the right place!

INCOGNITO is a 48-month Research and Innovation Action from 2019 to 2023 funded under Horizon 2020 focusing on producing a state-of-the-art platform that will allow users to easily understand what is needed to access online services while preserving their privacy.



We are currently in month 29 of the project. We have already submitted several deliverables. One of them documents the business and technical requirements and other documents all the design and implementation work that will take place in the second year of the project.



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OBJECTIVE

A quick reminder of the project's objectives!

The overarching goal of INCOGNITO (Identity verification with privacy-preserving credentials for anonymous access To Online services) is to combine state-of-the-art technologies in a platform that will allow users to easily understand what is needed to access online services with respect to their privacy and be able to prove specific attributes of their identity or their whole identity. We build on top of the framework that is being developed under the ReCRED, the project that laid the foundation for INCOGNITO project where we use advanced mobile software in order to convert online and physical identity proofs into validated and cryptographically strong proofs of identities that can be used for getting access to Online Services. INCOGNITO has the following objectives:

1. Design and implement an infrastructure that supports QUALIFIED ANONYMITY (QA) by leveraging state of the art cryptographic credentials schemes as well as Federated Login solutions.
2. Design and implement an Identity Acquisition and Management platform that will allow the user to quickly and securely acquire identity attributes from Physical ID documents and Online Identities.
3. Design and implement an advanced UI/UX AI-based assistant that will guide and inform the user about aspects of his identity management as well as possible actions to take.
4. Evaluate the results of the project through two pilot activities.

INCOGNITO

To achieve these objectives an inter-sectorial and interdisciplinary secondment program for Experienced and Early Stage Researchers that fosters knowledge exchange is proposed. Academic partners will offer their expertise on online identity acquisition and management, machine-learning algorithms and user experience assessment. Industry partners will offer their expertise on state-of-the-art IT security technologies, production-grade development processes, exposure to industrial research environment and relevant business issues and data.



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MESSAGE FROM THE COORDINATOR

We are happy to introduce you to the INCOGNITO news-letter, a great vehicle for our consortium to communicate our project's achievements, activities and results. The intention of this newsletter is to open a new communication channel in order to provide news on the project progress and to discuss ongoing topics relevant to INCOGNITO for internal and external project partners, stakeholders and all other interested bodies



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NEWS

Dr. Michael Sirivianos showcased ReCRED



Dr Michael Sirivianos showcased ReCRED, the project that laid the foundation for INCOGNITO in the Horizon Europe kick-starting event organized by the Deputy Ministry of Research, Innovation and Digital Transformation of Cyprus.



Building Trust for Smart Connected Devices

Our paper "**Building Trust for Smart Connected Devices: The Challenges and Pitfalls of TrustZone**" by the authors Nikolaos Koutroumpouchos, Christoforos Ntantogian, Christos Xenakis, was issued at the Journal: **Sensors**



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P4G2Go



The paper with the title **"P4G2Go: A Privacy-Preserving Scheme for Roaming Energy Consumers of the Smart Grid-to-Go"** by Aristeidis Farao, Eleni Veroni, Christoforos Ntantogian, Christos Xenakis was published in the Journal: **Sensors**



Vaccination certificates

Our team published another paper related with reopening our society after the pandemic with the title **"On an innovative architecture for digital immunity passports and vaccination certificates"** John C. Polley, Ilias Politis, Christos Xenakis, Adarbad Master, Michał Kępkowski

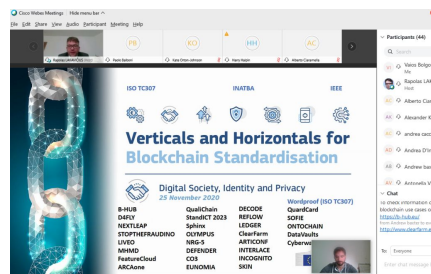


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A First Look into the Structural Properties and Resilience of Blockchain Overlays.

INCOGNITO
ideNtity verifiCatiOn with
privacy-preservinG credenTials
for anonymous access To Online services

Aristodimos Paphitis, Nicolas Kourtellis, Michael Sirivianos. Published the paper with the title **"A First Look into the Structural Properties and Resilience of Blockchain Overlays."** that studies about Networking and Internet Architecture



Incognito dissemination in Shaping Europe's digital future event

On 25 November our researcher Vaio Bolgouras presented our project in the ICT Verticals and Horizontals for Blockchain Standardisation (<https://ec.europa.eu/digital-single-market/en/news/ict-verticals-and-horizontals-blockchain-standardisation>).



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Deliverables Submitted

Work Package	Deliverable	Months	Title
WP3	D3.1	M6-M24	Federated anonymous credentials
WP4	D4.1	M7- M24	Identity Acquisition and Integration Platform
WP5	D5.1	M8-M40	Specification and initial design of the Advanced User Experience / User Interface (UI/UX) Artificial Intelligence (AI)-based assistant pipeline





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You can see more about the project in our website <https://incognito.socialcomputing.eu/>



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OUR PARTNERS



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