

INCOGNITO NEWSLETTER



ISSUE 5 | November 2021



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INTRODUCTION

We are pleased to announce the publication of the fifth 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.





02

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 the 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 and 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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NEWS

Towards Digital Transformation

Dr. Christos Xenakis attended at the **16th IT Directors Forum** and presented importance of Identity management towards the digital transformation and the results of the INCOGNITO project.

"Towards Digital Transformation: Identity Management is the first and most important step"

Prof. Christos Xenakis,

Department of Digital Systems, University of Piraeus



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How many FIDO protocols are needed?

Anna Angelogianni, Ilias Politis and Christos Xenakis. Published the paper with the title "**How many FIDO protocols are needed? Surveying the design, security and market perspectives**" that traces the evolution of FIDO protocols.

A Unified Graph-Based Approach to Disinformation Detection

Our team published another paper with the title "**A Unified Graph-Based Approach to Disinformation Detection using Contextual and Semantic Relations**" by the authors Marius Paraschiv, Nikos Salamanos, Costas Iordanou, Nikolaos Laoutaris, Michael Sirivianos



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Deliverables Submitted

| Work Package | Deliverable | Months | Title |
|--------------|-------------|---------|--------------------------------------|
| WP6 | D6.1 | M18-M42 | Platform realization and integration |

D6.1 Platform realization and integration: It is part of Work Package 6, and it aims to describe the software and hardware components of the system. Moreover, it covers information about the techniques, tools, technologies, and methodologies used to integrate the sub-modules into one system. Keeping in mind the system's already defined architectural and software components, we follow the Agile development methodology, and we employ CI/CD tools like Jenkins, Docker, and Kubernetes, and collaboration tools such as Phabricator, Git, and OneDrive to define the initial system design and integration.





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OUR PARTNERS



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