



INCOGNITO NEWSLETTER

ISSUE 7 | December 2022



01

INTRODUCTION

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

INCOGNITO is a 60-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 48 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 final year of the project.





02

OBJECTIVES

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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03

NEWS



SUMMER UNIVERSITY of the EUROPEAN DOCTORAL SCHOOL ON CSDP

Farao Aristeidis, former secondee of the INCOGNITO project, participated in the Summer University of the European Security Defense College as he currently serves a PhD fellow in the Doctoral School; during this summer school and specifically on Friday 8th of July he presented the INCOGNITO project and particularly its progress in technological way.



BRIDGING the gap bETween CTI production and consumption

Farao Aristeidis from UPRC (former secondee) presented in the 1st CTSS workshop that was held in conjunction with the 14th International Conference on COMMUNICATIONS 2022, the paper entitled BRIDGE: BRIDGING the gap bETween CTI production and consumption co-authoring it with Vaïos Bolgouras, Marios Karatisoglou and Christos Xenakis, who are official members of the University of Piraeus.



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Researchers Night 2022, Athens, Greece

On September 30th, INCOGNITO took part in the in Greek Researchers Night that was held by the National Technical University (NTUA) in one of the most recognizable structures on the NTUA campus! At the occasion were present both young students and recent graduates who were eager, as well as experts with years of experience. It was also obvious from the fact that the event went on well past its scheduled end time!



European Security Defense College

The INCOGNITO project together with other European projects co-organized the 2nd IWAPS workshop. The conference agenda included topics on keynote talks and sessions related to the Cybersecurity sector. Based on the rich agenda content, was given the opportunity for discussion on contemporary issues that concern everyday life business and individuals but also with a view from the future of technology.



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Research methodology Course on CSDP

Professor Christos Xenakis, INCOGNITO's project coordinator, was invited by the IEEE NTUA Student Branch to the NTUA_H4CK event on 26/11/2022. During his talk, he presented the INCOGNITO project focusing on its ultimate goals, societal impact, and technological innovations. The audience consisted of many young and promising researchers. There was a fruitful discussion between the Professor and the audience; the latter had many questions regarding the INCOGNITO technological objectives and its next steps regarding the use cases.



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04

DELIVERABLES SUBMITTED

Work Package	Deliverable	Month	Title
WP3	D3.2	M42	Trusted computing for enhanced anonymous credentials
WP3	D3.3	M48	Advanced security and privacy solutions
WP4	D4.2	M42	Decentralized Identity and Consent Management

D3.2: This deliverable's purpose is to provide an overview regarding the techniques used for implementing the INCOGNITO component for trusted computing. General information is provided regarding trusted computing, which functions as an initiation to the concept and gives the reader the ability to appreciate the setting in which this technology may be used.

D3.3: The purpose of this document is to describe core Networking and ToR concepts, the impact ToR has on the users' privacy at different levels of the TCP/IP stack and ultimately how ToR can be integrated with the other components inside the INCOGNITO project.

D4.2: This deliverable covers the Blockchain infrastructure architecture standards for INCOGNITO. The first thing that will be covered is an introduction to blockchain technology followed by a discussion of the current state of the art regarding solutions.



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05

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06

OUR PARTNERS



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