



# INCOGNITO NEWSLETTER

ISSUE 2 | MARCH 2020



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INTRODUCTION

We are pleased to announce the publication of the second 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 15 of the project. We have already submitted several deliverables. One of them documents the business and technical requirements and another 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 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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NEWS

## Hacking Democracy – Privacy and data in Facebook times

Prof. Christos Xenakis participated in the event “Hacking Democracy – Privacy and data in Facebook times,” discussing Security & Privacy on the Web, the protection of private life on the internet, and the modern threats. The event took place on 26/11/2019 in Athens.

Prof. Christos Xenakis disseminated the Incognito project, its goals, and the impact in the society.



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

## Incognito in the 6th meeting of the ESDC

Prof. Christos Xenakis of the University of Piraeus participated in the 6th meeting of the ESDC in Brussels, Belgium, and presented the Incognito project, its aims, and the progress of the project so far, in about 30 partners whose background was from academia, industry, national authorities, and military.



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Christos Xenakis, on 17 of February at the **Greek National Radio**, had a two hours discussion about cybersecurity, together with Demosthenes Ikonomou from ENISA and Periklis Vassilopoulos. Lilian Mitrou also participated remotely in the discussion.



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## Prof. Christos Xenakis at Mastering Enterprise Risk Management



Prof. Christos Xenakis did a 10 hours lecture at Mastering Enterprise Risk Management, focusing on cyber risks. See more at : <https://www.ibhs.gr/our-services/edu-business-risk-management>



## Prof. Xenakis in the organizing committee of the 7th InfoSeC

Christos Xenakis, participated in the organizing committee of the 7th InfoSeC. <https://www.eits.gr/>



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## Incognito platform integration with CAIXA BANK



We are currently in the process of integrating the platform, implemented within INCOGNITO, with CAIXA BANK Spain to automate their user's identification procedure (KYC).



## Killing the Password Paper

Our paper "Killing the Password and Preserving Privacy with Device-Centric and Attribute-based Authentication", by the authors Kostantinos Papadamou, Savvas Zannettou, Bogdan-Cosmin Chifor, Sorin Teican, George Gugulea, Annamaria Recupero, Alberto Caponi, Claudio Pisa, Giuseppe Bianchi, Steven Gevers, Christos Xenakis, Michael Sirivianos, was accepted at **IEEE Transactions on Information Forensics and Security, 2020**



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**Deliverables Sumbited**



Work Package	Deliverable	Months	Title
WP1	D1.1	M1 -M12	Progress report 1
WP1	D1.4	M1 -M12	Data management plan
WP2	D2.2	M1-M9	Security and privacy Assessment
WP2	D2.1	M1 -M12	Business and technical requirements specification
WP9	D9.2	M1-M15	POPD - Requirement No. 7
WP9	D9.4	M1-M15	POPD - Requirement No. 15
WP9	D9.1	M1-M14	H - Requirement No. 5



D1.1 Progress Report: This deliverable describes all the work that we have done in the first of the project and a brief description of the work that will produce in the next (second) year of the project.

D1.4 Data Management Plan: This deliverable describes the methodologies and the type of data that we will be collecting in the context of the INCOGNITO project and its pilots. In this deliverable, we also explain where do we plan to store the collected data and how this data will be processed.

D2.1 Business and Technical Requirements Specification: This deliverable documents the business and technical requirements that align with the purpose of the INCOGNITO project. This document uses the user story as the primary tool for describing the business and technical requirements for the following steps of the project.

D2.2 Security and Privacy Assessment: This deliverable reports on the security, privacy, and regulatory compliance of the INCOGNITO framework as a whole, as well as all the components that will be implemented in the context of the project.



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