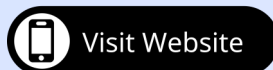


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For more information, visit:

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SECONDO Project



Consortium:



UNIVERSITY
OF PIRAEUS



UNIVERSITY OF
SURREY



Cyprus
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Technology



UBITECH
ubiquitous solutions



Insightful Analytics



CROMAR
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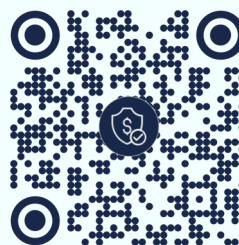


This project has received funding from the European Union's H2020 H2020-MSCA-RISE-2018 programme under grant agreement No. 823997



SECONDO

a Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netWorking era



Project number: 823997
Project website: <https://secondo-h2020.eu/>
Duration: 48 months
Total cost: EUR 1,600,800
EU Contribution: EUR 1,600,800



This project has received funding from the European Union's H2020 H2020-MSCA-RISE-2018 programme under grant agreement No. 823997

Motivation

With the emergence of GDPR and the rapid evolution of the cyber landscape, it is of paramount importance for organisations to minimise their risk exposure and transfer the residual risk. However, due to various challenges such as the interdependence of assets, the constantly changing cyber risks and growing attack surface, the lack of standardisation in cyber risk assessment and the limited role of cyber insurance, appears the need for the development of automated tools to eliminate the information asymmetry between the insurer and the insured, as well as ensure the optimisation of strategies, investments and decisions for all parties.

Main Goals

Design, analyze and implement a Quantitative Risk Analysis Metamodel.



Design and implement a Cyber Security Investment Module based on a game-theoretic approach.



Develop a cyber insurance module that estimates cyber insurance exposure and derives coverage and premiums.



Empower cyber insurance claim based on smart contracts and blockchain.



Mission

The SECONDO project aims at designing and developing a unique, scalable and highly interoperable Economics-of-Security-as-a-Service platform.

Approach

SECONDO will design and implement an innovative platform of state-of-the-art methodologies for smart security investments and cyber insurance, such as:

- ⇒ Game Theory
- ⇒ Blockchain
- ⇒ Smart Contracts
- ⇒ Big Data
- ⇒ Data Analytics
- ⇒ Quantitative Risk Analysis
- ⇒ Continuous Risk Monitoring

Standardization

SECONDO will provide a platform that will abide by the existing standardization work.



Business Cases

- ⇒ Human susceptibility to cybersecurity breaches in IoT-enabled smart home
- ⇒ Optimal Patching of Airport Cyber Infrastructures
- ⇒ Cyber insurance for an Innovative SME
- ⇒ Cyber Risk Transfer in Maritime Industry

