



OCTOBER 2021

## 2<sup>nd</sup> Newsletter

### H2020 FISHY

#### WELCOME

The first year of the FISHY project is over and this newsletter writes the main achievements during the last six months, since the first edition, both on the technical and the impact generation activities.

As a brief summary, a key achievement has been the definition of the FISHY architecture for Iteration 1 (IT-1). Also, worth to highlight, the meeting with the Advisory Board in July 2021.

This is the 2<sup>nd</sup> FISHY Newsletter. Stay tuned to our website, [fishy-project.eu](https://fishy-project.eu), and twitter, [@H2020Fishy](https://twitter.com/H2020Fishy), for periodic updated releases of the FISHY Newsletter that will be published periodically throughout the life of the project, intended to disseminate key project results and achievements.

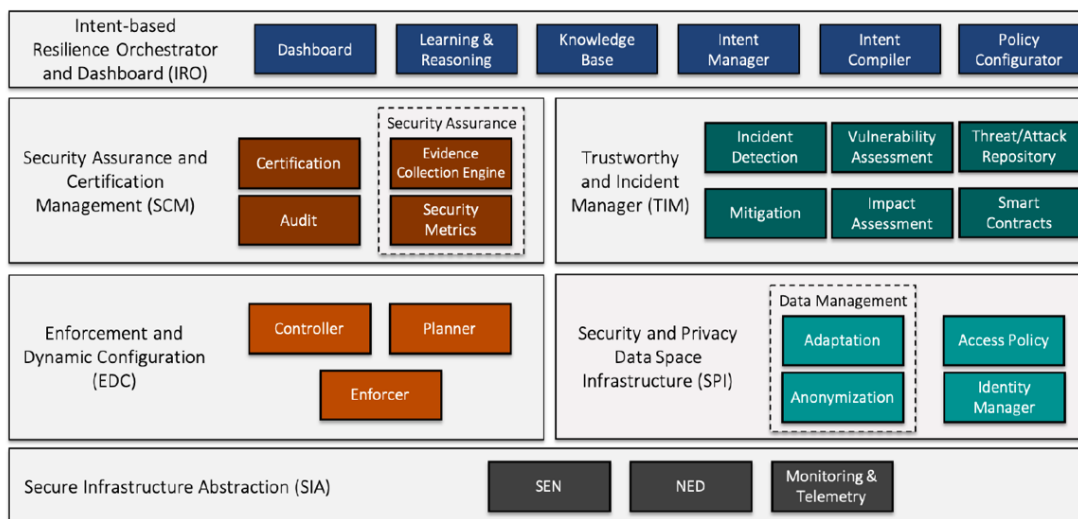


#### FISHY TECHNICAL ACTIVITIES

In these 6 months from our last Newsletter the different partners involved in the FISHY architecture definition have continued to work towards the first architectural design, released on month 12 for iteration 1 of the project. This initial release leverages the use case requirements already identified as an internal report on month 6; as well as the matching between logical modules and tools provided by the partners.

Consequently, after carefully working on the FISHY design, the preliminary FISHY architecture (as described in the proposal), has been refined to optimize the matching between functionalities, modules and tools





Simultaneously to the efforts on designing the FISHY architecture, other work packages starting on month 9 zoomed in into design of the main FISHY architectural blocks, such as the Trust and Incident Manager (TIM), the Security and Privacy Data Space Infrastructure (SPI), the Security and Certification Management (SCM) and the Enforcement and Dynamic Configuration (EDC). These joint efforts have driven the first blocks integration on month 13, ready for the whole integration of FISHY IT-1 release in month 15.

Also use-case providers have been working during these last months on the matching between the FISHY functionalities and the requirements provided at the beginning of the project.

## FISHY DISSEMINATION ACTIVITIES

The main dissemination activities during this period to reach out and engage the FISHY community have been happening across events and publication venues in domains related to FISHY interests.

### EVENTS

- The first FISHY workshop, **SCCRM-21: Supply Chain Cybersecurity and Risk Management**, was held on June 10, 2021. The workshop was completely remote and the three presented papers were authored by FISHY partners. This workshop was co-located with the HPSR 2021 conference<sup>1</sup>. During this workshop, FISHY was lucky enough to organize an interesting panel with leading experts in the area of cybersecurity:

<sup>1</sup> <https://hpsr2021.ieee-hpsr.org/scrm-21-supply-chain-cybersecurity-and-risk-management/>

- **Cybersecurity, what's next?**, Moderator: José Francisco Ruiz (ATOS, Spain). Speakers: Martin Ubelhor (European Commission, H1), Haris Mouratidis (University of Brighton, member of the advisory board of FISHY, UK), Nineta Polemi (CYRENE project, Greece), Roberto Cascella (ECSO, Belgium).
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- 2<sup>nd</sup> FISHY workshop, **Secure and resilient smart manufacturing environments (SecRS)** was held on August 17, 2021, co-located with the ARES 2021 conference<sup>2</sup>. In the first technical session of this workshop a paper from FISHY was presented.
- During the 2<sup>nd</sup> General Assembly on July 15<sup>th</sup> 2021, the FISHY consortium had its first online meeting with the Advisory Board. The EAB members attending the meeting were:
  - Haralambos Mouratidis, University of Brighton, UK
  - Jianping Wang, University of Hong Kong, China
  - Xiangtong Qi, Hong Kong University of Science and Technology, China
  - Jorge Ferreira, Amkor, Portugal

To prepare this meeting the consortium wrote a white paper<sup>3</sup>, also available in the FISHY website. As a result of this meeting, very useful recommendations were made for the correct progress of the project.

### PUBLICATIONS

After one year of work, FISHY partners have already published its results in different venues. On one hand, being aware that one of the already proposed strategies in the dissemination and communication plan, was the periodic publication of blog entries addressed to general public. In this period, FISHY has produced 3 blog entries, all available in the FISHY website:

- ***FISHY: Trustful and smart cybersecurity for supply chains***<sup>4</sup>
- ***Securing IoT nodes in supply of chains***<sup>5</sup>
- ***Vulnerability Assessment***<sup>6</sup>

From the point of view of the scientific publications, FISHY efforts have successfully produced one journal, three workshop papers and one

<sup>2</sup> <https://www.ares-conference.eu/workshops/secrs-2021/>

<sup>3</sup> <https://fishy-project.eu/promotional-material/white-paper>

<sup>4</sup> <https://fishy-project.eu/blog/fishy-trustful-and-smart-cybersecurity-supply-chain>

<sup>5</sup> <https://fishy-project.eu/blog/securing-iot-nodes-supply-chains>

<sup>6</sup> <https://fishy-project.eu/blog/vulnerability-assessment-ment>



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conference paper.

- **Cybersecurity in ICT Supply Chains: Key Challenges and a Relevant Architecture**, by X.Masip, E.Marín, J.Ruiz, A.Jukan, P.Trakadas, A.Cernivec, A.Lioy, D.López, H.Santos, A.Gonos, A.Silva, J.Soriano, G.Kalogiannis, Sensors 2021, 21, 6057.
- **Farm to Fork: Securing a Supply Chain with Direct Impact on Food Security**, by Panagiotis Trakadas, Helen C. Leligou, Panagiotis Karkazis, Antonis Gonos, Theodore Zahariadis, First FISHY workshop: SCCRM-21: Supply Chain Cybersecurity and Risk Management.
- **Challenges in the Automotive Software Supply Chain, Connected CAR**, by Jose Soriano, Guillermo Jiménez, Ernesto Correa, Noel Ruiz, First FISHY workshop: SCCRM-21: Supply Chain Cybersecurity and Risk Management.
- **The Role of Intent-Based Networking in ICT Supply Chains**, by Mounir Bensalem, Jasenka Dizdarevic, Francisco Carpio, and Admela Jukan, First FISHY workshop: SCCRM-21: Supply Chain Cybersecurity and Risk Management.
- **Information Security Assessment and Certification within Supply Chains**, Henrique Santos, André Oliveria, Lúcia Soares, Alan Satis, Alexandre Santos (ALGORITMI R&D Centre, University of Minho, Portugal), 2nd FISHY Workshop: International Workshop on SecRS: Secure and resilient smart manufacturing environments (SecRS).

MORE INFO



<https://fishy-project.eu/>



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<https://www.linkedin.com/in/fishy-project-16342920a/>



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