Certifying the Security and Resilience of Supply Chain Services

D7.2: First Dissemination and Communication Activities Report

Abstract: This deliverable will report on the dissemination and communication activities carried out during the first year of the project. It will focus on the assessment of the effectiveness of the activities and the accomplishment of the dissemination and exploitation objectives. It will also suggest any changes needed at the Dissemination & Communication Plan based on these results.

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Revision History

Version	Date	By	Overview
1.0	30/09/2021	Dora Kallipolitou, ZELUS	Final version. Input from internal reviewers incorporated.
0.3	21/09/2021	Dora Kallipolitou, ZELUS	Second draft. Input from all partners.
0.2	13/09/2021	Dora Kallipolitou, ZELUS	First draft. Input from UNSPMF, HYPER, CRF, CLS, ITML, STS
0.1	23/06/2021	Dora Kallipolitou, ZELUS	ToC.

CYRENE

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Abbreviations

EU:	Europe
GA:	Grand Agreement
KPI:	Key Performance Indicator
M:	Month
N/A:	Not Applicable
SC:	Supply Chain
SCS:	Supply Chain Service
SME:	Small Medium Enterprise
WP:	Work Package
✓ :	Achieved
✓ :	Still in progress
:	Planned
:	Attention
▷ :	Not started

Executive Summary

This document reports on the work executed in WP7 – Task 7.1 Dissemination and Communication Activities with respect to the Dissemination and Communication Plan devised in M06 of the CYRENE project. The report provides a detailed overview of dissemination and communication activities during the first year of the project (M1-M12) and it is the first out of three reports that will be submitted on a yearly basis.

The CYRENE consortium has drawn up a dissemination strategy whereby dissemination activities at all levels were defined in detail. This strategy sets out the plan to raise awareness, share knowledge, attract potential users, and explore future commercial use in the context of the CYRENE project, through various means, including the project's website, distribution of dissemination material, publications in journals, and participation in conferences and other relevant events. As the objective of WP7 is to supervise the integrity and consistency of all dissemination efforts for creating awareness on the CYRENE achievements, the purpose of this document is to report on some of the dissemination activities that have already been performed but also to identify if any plan adjustments are needed. At this point, it has to be mentioned that any dissemination in itself is strongly connected to project's partial developments and outcomes, therefore dissemination activities are continuously monitored and updated (frequent adjustments are expected) with respect to project's objectives and KPIs. Thus, dissemination is considered a "living" task and this version (two more will follow according to WP7 time plan) provides an overview of what is known and planned at the time of the document preparation.

1. Introduction

1.1 Dissemination and Communication Activities Report overview

In deliverable D7.1 Dissemination and Communication Plan, we outlined the objectives of the CYRENE Dissemination and Communication strategy, which is served by that plan. The key strategic goal is to showcase the project's results to all relevant audiences (research, academia, industry) and as widely as possible and in collaboration with other EU-funded projects. As a result of this objective, one of the main activities is to explain to the audience what the project is about and then instantiate and demonstrate relevant results to different levels, aiming at higher penetration and ultimately exploitation of underlying concepts and technologies.

Based on the above, the objectives of the dissemination and communication plan were outlined as follows:

- Broadly disseminate the project concept, developments and findings to identified stakeholders (i.e.: industry, academia, governmental organizations) using effective communication means and strategies.

- Ensure that all relevant communities will be reached out in an interactive way, integrating their feedback at key timestamps of the project: namely specification requirements, market analysis, design, development and evaluation periods, as well as during exploitation tasks.

- Create and publish scientific contributions valuable to the research community.

- Participate in appropriate EU, and worldwide events (workshops, seminars, conferences, etc.) targeted at industry and academia with the goal to showcase CYRENE's objectives, impact and results, but more importantly to create an active community for the project, that will significantly enhance its entrance to the market.

- Support the liaison and co-operation activities with the other relevant ICT projects.

In order to achieve these objectives a set of initiatives were planned, the performance of which will be presented in this document.

1.2 Structure of the document

The document is structured as follows:

- **Section 2** outlines the Dissemination and Communication Plan, providing a summary of updates regarding the initiatives and activities planned and performed already but also an updated roadmap of the initiatives and activities to follow in an illustrative roadmap.
- **Section 3** presents an update regarding the dissemination and communication tools we use for communicating the project achievements and any other relevant and related information as well as for engaging our audience.
- **Section 4** presents a detailed overview of activities performed and planned with respect to dissemination, communication, and standardisation of project outcomes. Collaboration activities in order to amplify the impact of the rest of the activities are also described in this section.

- **Section 5** provides a structured overview of all dissemination KPIs described in the GA with related evidence and highlights the individual contributions of each partner in the consortium.
- **Section 6** complements the Roadmap presented in section 2 with a more detailed short term overview of upcoming actions.
- Finally **section 7** summarizes the insights of the report and concludes the report.

2. Dissemination and Communication Plan Outline

2.1 Dissemination and Communication Plan Updates

The CYRENE Dissemination and Communication Plan is scheduled to be executed in 3 phases as outlined in Table 1 and described in detail in D7.1.

Phase	Description and indicative actions	Duration	Dependencies
Phase I Raise Awareness	Dissemination of the project's purpose, updates on the solution and its elements delivering tangible results, in order to create awareness about its objectives and engaging external stakeholders.	M01-M12 → M36	D2.1, D2.2 and D3.1, D7.2, early input of D7.3
Phase II Diffuse Knowledge	Dissemination of the results that are produced in the project, either in the form of demos or in white papers or presentations, Conference and journal papers, which cover both theory and practical advice.	M13-M24 → M36	D5.1, D7.3
Phase III Intensify Communication	Dissemination of CYRENE's final results and recommendations following up the evaluation results as well as the exploitation and sustainability plan.	M25-M36	D5.3, D6.3, D6.4, D7.8, D7.10

Table 1 - Dissemination and Communication plan overview

This plan is currently on schedule and is not expected to have any major changes except for the strict ending dates of each phase. After observing the rhythm with which we raise awareness and the dependency on project results, we decided that Phase I actually lasts through out the whole project duration, since there will always be opportunities for engaging with someone who hasn't heard about our research before, providing an opportunity to extend awareness. Moreover, deliverables such as D2.2 which are completed at the end of M12 are fundamental for explaining the CYRENE solution and therefore laying the foundation for the spread of awareness but are only becoming available at the end of this Phase. This is why we decided to extend its duration until M36, agreeing that it is a better reflection of reality.

Similarly with Phase II – Diffuse knowledge, we expect to get opportunities to share the results produced by the project in conferences and journals until the end of the project and in combination with raised efforts for Intensified Communication to achieve the desired results.

2.2 Dissemination and Communication Roadmap update

At the time of this document's preparation, dissemination and communication activities have reached the yearly revision of the Raise Awareness Phase of the plan. Targeted audiences have been identified and correlated to specific dissemination channels and project outcomes. Communication means, and tools have been set up with reference to the project's web-based presence such as the project website, the Twitter account and the Linkedin account. Event-based presence is constantly strengthened with the attendance of the CYRENE partners in events and conferences (*Table 2 -* **Dissemination and Communication Activities Roadmap**) Complementary to the above, dissemination material including a project factsheet, presentations, blogs and a glossary for establishing a common language with all stakeholders have already been developed and exploited.

Within the first year, the dissemination and communication strategy has established well-fined means and tools to reach all targeted audiences of the project effectively. Events that have taken place in this 12-month period aided to public awareness of the project while the website and the social networks established, have provided the project's community and interested scientific parties with a platform for interaction and sharing of dissemination material regarding the progress of the project and its outcomes.

Table 2 outlines the key actions of the dissemination and communication plan as they have been planned initially.

Activity	Remark	Status	Strong Contributor	Due Date (approx.)
Project website www.cyrene.eu	Initial version online	✓	MAG, ZELUS	M2
	Updated versions	✓	ZELUS	monthly
Dissemination Material[1]	Templates, Logo, Factsheets, Project Presentations, Blogs	✓	PN, ZELUS	M1, M3, M5, M6, M7, M8, M9, M10, M12
	Updated versions to be released, Policy Briefs	🗒️	ZELUS, MAG, FP, UBI	M13, M14, M15, M18, M24, M36
Regular Newsletter[2]	Dissemination and infotainment content	✓	All	M4, M8, M12,
	Updated versions to be released	🗒️	All	M16, M20, M24, M28, M32, M36
Technical Videos (5min)	Technical advancements of the CYRENE methodology and approach. Professionals or academics will present the project and its expected impact	N/A[3]	All	Until Project End
Workshop[4]	Analysis of the methodology for the CYRENE framework, aiming at stakeholders' engagement and consensus building	✓	PN	M6
INFO DAY	Main challenges to be addressed by CYRENE in the context of port logistics and SCSs (more info in *section 4.1 Project events*)	N/A[1]	VPF	M12
Workshop + Hackathon + INFO DAY	Main challenges to be addressed by CYRENE in the context of automotive manufacturing logistics and SCSs (more info in *section 4.1 Project events)*	🗒️	CRF	~~M12~~ → M13
Hackathon + INFO DAY	CYRENE framework and how it was applied in its procedures	N/A[1]	CRF	M24
Workshop	Stakeholders' engagement and consensus building	N/A[1]	PN	M30
International Conference	All outputs of the project to be presented to a wide audience at the EU level enhancing the visibility of our contributions at an international level.	N/A[1]	All	M36
Final Event	Main findings in terms of technologies, systems, policies, best practices, lessons	N/A[1]	VPF	M36

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[1] https://www.cyrene.eu/material

[2] https://www.cyrene.eu/newsletter

[3] Hasn't started yet

[4] https://www.cyrene.eu/first-cyrene-workshop-with-the-projects-advisory-boards

	learnt during the project to be presented to All CYRENE partners, institutional involved parties and industrial stakeholders, including potential clients and investors			
System-level demonstra-tions	Min 1 demonstration of CYRENE's technical results in major international fairs and exhibitions	N/A[1]	All	M36
	Min 1 demonstration of CYRENE's technical results in major international conferences	N/A[1]	All	M36
Publications	Cyber Supply Chain Threat Analysis and Prediction using Machine Learning and Ontology [1] Cybersecurity Certification Requirements for Supply Chain Services [2]	✓	SU, MAG, FP	M09, M12
Open Access activities	1 Poster, 1 Public deliverable preview, 1 publication shared in zenodo and indexed in OpenAIRE[5]	✓	ZELUS, CRF, SU	M9, M10
	1 publication is lined up, deliverables once approved, policy brief, project reports will be shared in the project community in zenodo	🗒️	All	Until M36
Conferences and events	2021 International Conference on the EU Cybersecurity Act	✓	MAG, FP	M5
	17th International Conference on Artificial Intelligence Applications and Innovations (AIAI)	✓	SU	M9
	IEEE International Mediterranean Conference on Communications and Networking	✓	MAG	M10
	26th IEEE Symposium on Computers and Communications (ISCC 2021)	✓	MAG, FP	M12
	5th NMIOTC Conference on Cybersecurity in Maritime Domain	✓	MAG, FP	M12
	Upcoming conferences events, e.g.: IFIP SEC International Conference on Information Security and Privacy Protection, IEEE Symposium on Security and Privacy, ACM Conference on Data and Application Security and Privacy, ICML: International Conference on Machine Learning (ICML), International Conference on EU Cybersecurity Act, and more	🗒️	Responsible partners	M13
Industrial Fairs / exhibitions / forums	• 2021 Digital Sustainability Forum, • 2021 Supply Chain Cyber Security Summit (SCCS) • 2021 Critical Infrastructure and Resilience Regulation fair	✓	MAG	M6, M7
Dissemination within the partners' network	• 11th Infocom Security conference • Black Sea Maritime Cybercerity Conferentce • Smart Ports 4.0 summit	✓	FP	M7, M9, M12
	• CYBER|IRELAND National Conference: Securing our Networks	🗒️	FP	M13

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[5] https://zenodo.org/communities/cyreneproject-eu

Internal dissemination with the partners' organization	References to the organisations' websites[6] and social media.	✓	All	M8
Public consultation sessions	Establishment of an open dialogue with the society and key stakeholders, where the voice of the directly involved people can be heard and taken into account.	N/A[1]	All	
Collaboration with other projects and initiatives	**FISHY project:** Collaboration is initiated by participating in their advisory board and the planning for collaboration in events and communication (see more in section *4.2 Collaboration initiatives*)	✓	All	Initiated at M9
	ASSURED project: Collaboration was initiated with the co-organization of a special session at the IEEE International Mediterranean Conference on Communications and Networking focusing on how to develop a more effective and efficient cybersecurity approach in future networks. (see more in section *4.2 Collaboration initiatives*)	✓	MAG	M10
	Upcoming collaboration activities (see more in section *4.2 Collaboration initiatives*)	📋	All	Until the end of the project
Participation in EC Clustering mechanisms	Exhibitions and participation in specialised events, forums, platforms such as the European Drone Summit will guarantee wide dissemination of the results in EUs scientific and innovative business cases.	N/A[1]	All	

Table 2 - Dissemination and Communication Activities Roadmap

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[6] https://www.cyrene.eu/the-partners

3. Dissemination & Communication tools

Great emphasis is placed by the project team to create a web-based community consisting of people who will / may be interested in CYRENE implementations. Therefore, the project team is trying to exploit the power of social networks and available internet tools in order to enable an active dissemination towards the community and enhance its web-based presence. The ultimate goal is to create a CYRENE social community that will be flexible enough to engage its members during all project's noted periods. A prolonged and interactive communication campaign is necessary, and technical staff from the project will be recruited to actively engage with the identified community according to dissemination and exploitation objectives.

3.1 Project website updates

CYRENE deliverable D7.1 Dissemination and Communication Plan fully describes the design and development of the project's website, which was launched in M2 in full operation. The website contained information about the project's objectives, consortium, pilots, a first version of the glossary for the main concepts the projects works with and key news and events. Since then, all internal and external dissemination materials and activities are being communicated through regular updates on the website, the website has also been enriched with pertinent content to a great extent, an updated version of the glossary, a blog per month on average etc. *Figure 1* depicts the updated and new content.

3.2 Social Network Accounts engagement

During the first 12 months, two social media were created for the enhancement of the CYRNE web-based presence. A Twitter account[7] since M2 and a LinkedIn profile[8] since M5 have been launched in order to complement the website and expand the reached targeted audiences. Dissemination material and activities
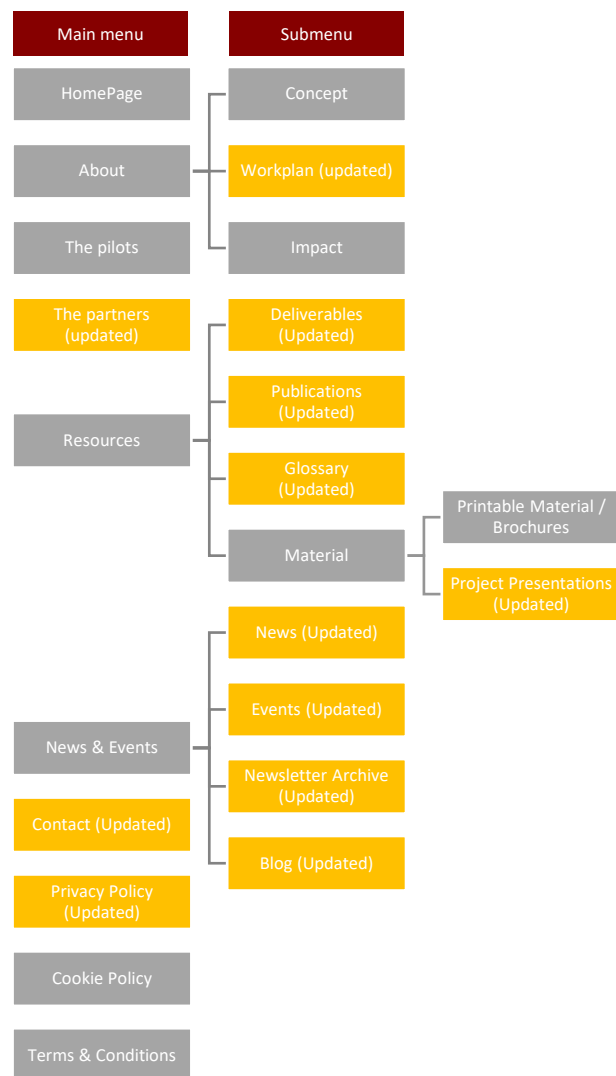
Figure 1 - CYRENE website map

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[7] https://twitter.com/CYRENE_H2020

[8] https://www.linkedin.com/company/cyrene-project

are communicated via these platforms regularly with updates and posts. Social media presence will not only enhance public awareness of the project on the web, but it will also facilitate the creation of an active CYRENE community. Engagement is pretty high in both channels. *Figure 2* depicts the average engagement rate of our tweets per month since M2 that the CYRENE account was launched. Engagement rate is the number of times a tweet was loaded into someone's feed, divided by the number of engagements that tweet received. It is a measure used to show how interesting an individual tweet is, with a higher engagement rate meaning it is more interesting. According to Google popular opinion, most would consider 0.5% to be a good engagement rate for Twitter, with anything above 1% great. Smaller businesses with an engaged following should aim for an engagement rate that's consistently more than that, though. *Figure 3* depicts the average engagement rate of our posts in LinkedIn per month since M5 the CYRENE profile was launched. The engagement rate here is the number of times members interacted with our posts divided by total impressions of this post. According to Google popular opinion, a good engagement rate for Linkedin is about 2%.
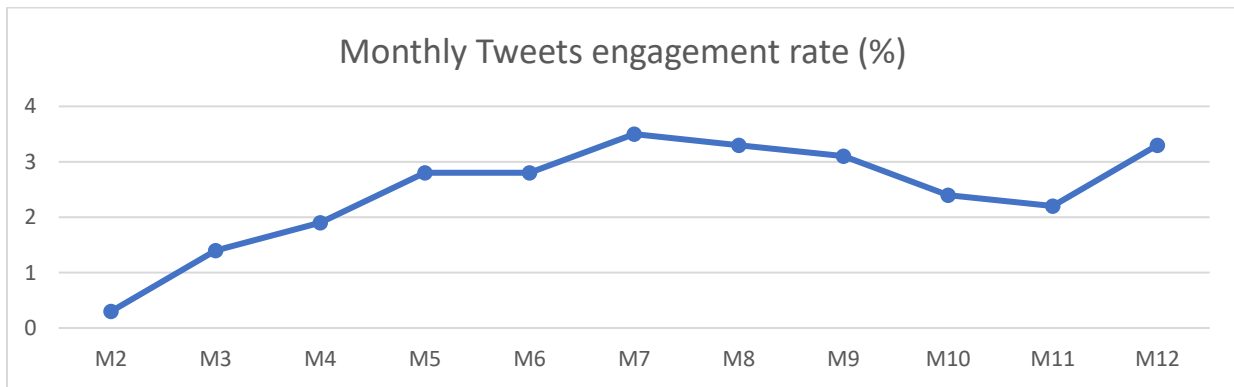
Figure 2 - Twitter analytics on monthly tweets engagement rate
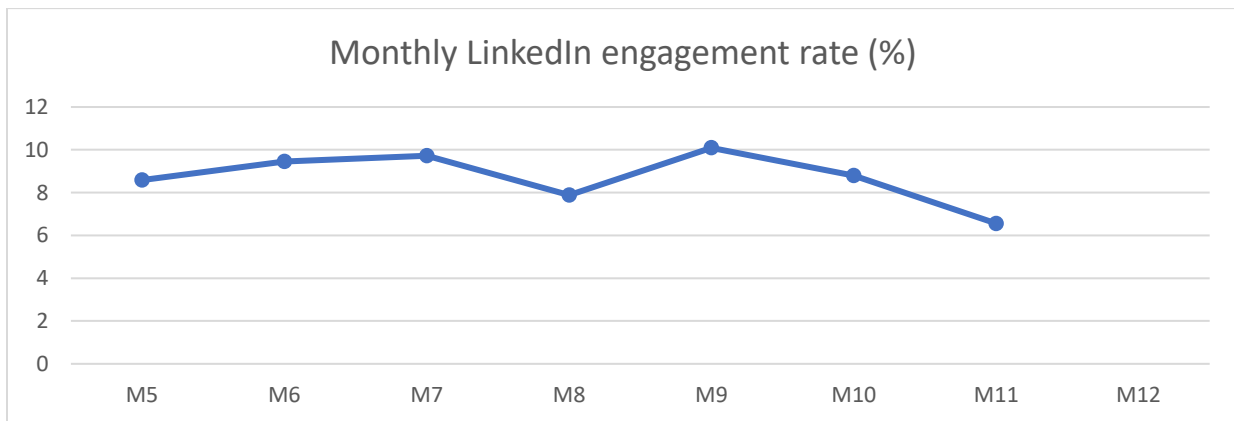
Figure 3 - LinkedIn analytics on monthly posts engagement rate

More metrics related to our social media performance will be provided in *5.1 KPIs status & evidence*.

3.3 Dissemination material production and impact

From the beginning of the project, dissemination material is characterised by a common look and feel, since certain templates are being followed in order to avoid confusion and facilitate public engagement and awareness with CYRENE at various communication channels. Drivers for engagement and for raising awareness, materials such as our factsheet (*Figure 4*) provides an overview of the project and has been used in its digital form (social media and when attending virtual events) and in a printed form as a poster in the CyberHOT[9] summer school together with a roll-up banner and double side flyers (see *Figure 5* - **CyberHOT dissemination material pack** for an overview of the related material), where CYRENE was a sponsor.

Figure 4 -CYRENE Factsheet
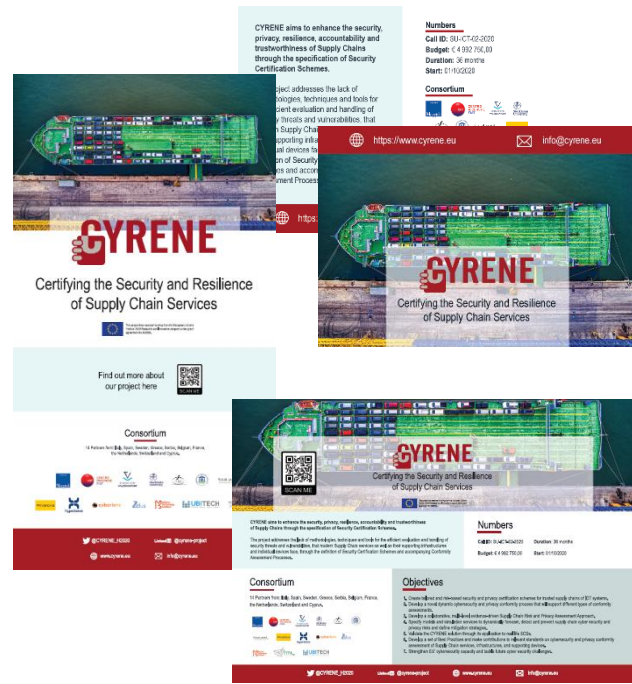
Figure 5 - CyberHOT dissemination material pack

The dissemination material created for our events have also facilitated increased visits in our website and social accounts as well in the events themselves. *Figure 6* bellow shows an overview of our dissemination pack for our first event: "CYRENE workshop with the project's Advisory Boards". The event was not open to the public rather addressing CYRENE Advisory Boards, in order to get their feedback regarding our approach and current activities. Materials were created for the communication of the event before it happened, such as the event banner (*Figure 7*), which was used at the event invitation as well as the communication with our community via our news and press releases. The presentations (*Figure 8*) that were used during the workshop were also made available to the public in order to raise awareness around the project progress and overall

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[9] https://www.cyberhot.eu

approach. Communication with the CYRENE community was ongoing during the event as well as afterwards not only by the project but also by the consortium partners' respective Twitter (*Figure 9*) and LinkedIn accounts (*Figure 10*).

Equivalent dissemination packs have been created for the rest of the events (see *section 4.1 Project events*) that have been / are being organized by the project. In the case of the Valencia Infoday, the LinkedIn "event" functionality was also used to enhance the reach of potential audience that would be interested in signing up in the event. In the case of the CRF Hackathon an additional dedicated web page was created for the Hackathon promotion.

Figure 6 - First CYRENE workshop dissemination pack

Figure 7 - Event banner

Figure 8 - Event presentation[10]

Figure 9 – Dissemination snippets in Twitter

Figure 10 - Dissemination snippets in LinkedIn

Another very important category of dissemination materials is our monthly blogs () written by a different partner every month, in order to trigger interaction with our community and raise awareness regarding the topics each partner is an expert and their added value to the CYRENE solution.

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[10] https://www.cyrene.eu/first-cyrene-workshop-slides

Last but not least, as a consortium we issue a newsletter every 4 months with a collection of the latest news, events, blogs as well as any upcoming release or event, in order to keep everyone who is not necessarily following us in social media, up to date. The Newsletter is forwarded to everyone who is subscribed on the service and at the moment counts up to 65 contacts. It is delivered via the service of mailchimp to their e-mail inbox but an archive is also kept at the project website (see *Figure 12* for the two versions).

Figure 11 - CYRENE monthly blogs

Figure 12 - CYRENE Newsletter versions (mail message and online form from left to right)

4. Dissemination & Communication activities

4.1 Project events

Following up the initial roadmap for dissemination and communication activities, 2 events ("First CYRENE Workshop with Project's Advisory Boards" and "Valencia Info Day: Certifying 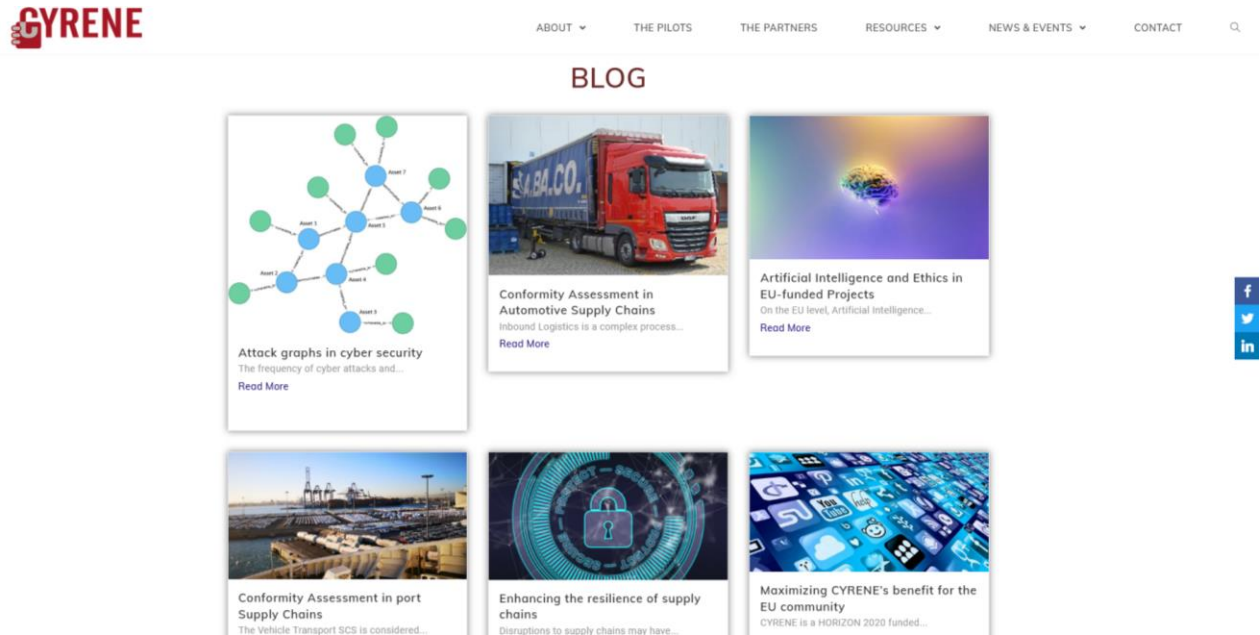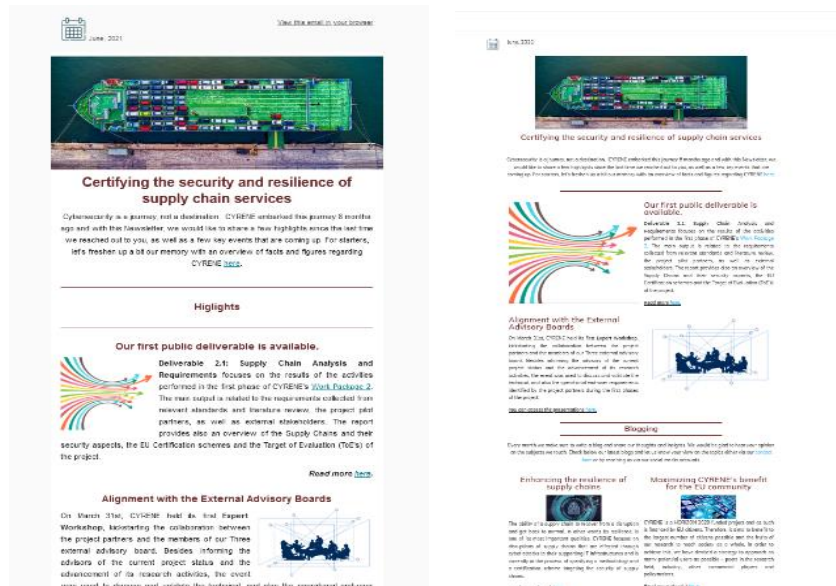the Security and Resilience of Supply Chain Services of ports") have already been organized by the CYRENE consortium and one (CRF multi-event: Workshop, Hackathon & Info Day) is currently being organized and postponed to M13 from M12 which was the initial schedule, anticipating students' getting back to universities and therefore avoiding having the CYRENE Hackathon "competing" with University events.

4.1.1 CYRENE Workshop with Project's Advisory Boards debrief.

On March 31st 2021, PN organised the first project Expert Workshop together with the project CO as well as all consortium partners. The workshop involved all three external advisory boards. Organised at the end of M6, the Workshop successfully kickstarted the collaboration between the project partners and external advisors.

Besides informing the three advisory board members of the current status of the project and the advancement of its research activities, the CYRENE Expert Workshop aimed at discussing and validating the technical and operational end-user requirements identified by the project partners during the first phases of the project. In this context, the project participants obtained feedback and comments concerning current project outcomes and, in particular, on deliverable D2.1 "Supply Chain Analysis and Requirements". Aiming at a more interactive discussion, the CYRENE Expert Workshop included an overview of the online questionnaire for advisory board members and an open discussion, where they could provide their ideas on the project status from the stakeholders' point of view.

Thanks to their interdisciplinary nature, the CYRENE advisory boards comprise members with different backgrounds including information security, cybercrime, privacy and data protection and international law enforcement (INTERPOL). To ensure continuous engagement with relevant stakeholders, the CYRENE consortium prepared a series of follow-up activities for the advisory board members. In order to gather requirements from end-users, we have created an anonymous online questionnaire structured to collect information about the responder's organisation, underlying systems, services and assets, supply chain services relevant to them and information about Risk and Conformity Assessment Processes implemented within their organisation. The questionnaire has been made publicly available and can be accessed through: https://ec.europa.eu/eusurvey/runner/cyrene-questionnaire. The results of the questionnaire were analyzed and reported in the frame of D2.1 "Supply Chain Analysis and Requirements".

4.1.2 Valencia Info Day: Certifying the Security and Resilience of Supply Chain Services of ports.

VPF is organizing an info day as part of the dissemination activities of the project included in the Grant Agreement. The selected date for the event is 23rd September 2021. Although this date is before the submission of this deliverable, at that time the document was finished. Therefore, here there are the planed objectives and agenda for the event. The next dissemination report will include all the details of the event, participants, etc.

Although the event should have been held in person in Valencia,

Figure 13 - CYRENE Valencia Day Registration pages

due the health situation and the difficulties to travel, the event is finally virtual. It will allow us not only to invite the interested Valencia stakeholders, but also other port and logistic companies in Europe. The event was promoted via our social media and a dedicated page at the project website (see *Figure 13*) in order to monitor the participants' interest.

The main objective of the info day is to inform professionals as well as whomever is interested in the field of supply chain cybersecurity about the CYRENE project and its overall objectives and approach. As part of the event we will present the port scenario which will be developed in the port of Valencia and CYRENE's approach to face that situation. Furthermore, we will present the current results and future steps.

The defined agenda for the info day is the following:

Time	Session title	Presenter
10:00 – 10:10	Welcome and opening	MAG/VPF
10:10 – 10:30	CYRENE project overview	MAG
10:30 – 10:45	CYRENE technical approach	UBI
10:45 – 11:00	Valencia Port case study	VPF

11:00 – 11:15	CYRENE proposed evaluation methodology	FP/MAG/HYPER
11:15 – 11:30	CYRENE proposed SCS-scheme	FP
11:30 – 11:40	Inbound Logistics case study (Next workshop)	CRF
11:40 – 11:55	Questions and feedback	ZELUS/ALL
11:55 – 12:00	Conclusions and closing	VPF/MAG

4.1.3 CRF multi-event: Hackathon and Info Day

CRF is organizing an event at the beginning of M13 of the project, as already outlined in the Grant Agreement[11].

CYRENE attempts to raise awareness regarding the benefits of cybersecurity and trustworthiness of Supply Chains' ICT systems through (among others) the organization of outreaching events and informative sessions addressed to the general public and key stakeholders. In this case, the initiative concerns a hackathon and an Info Day and aims at delivering knowledge about cybersecurity, data analytics and software engineering.
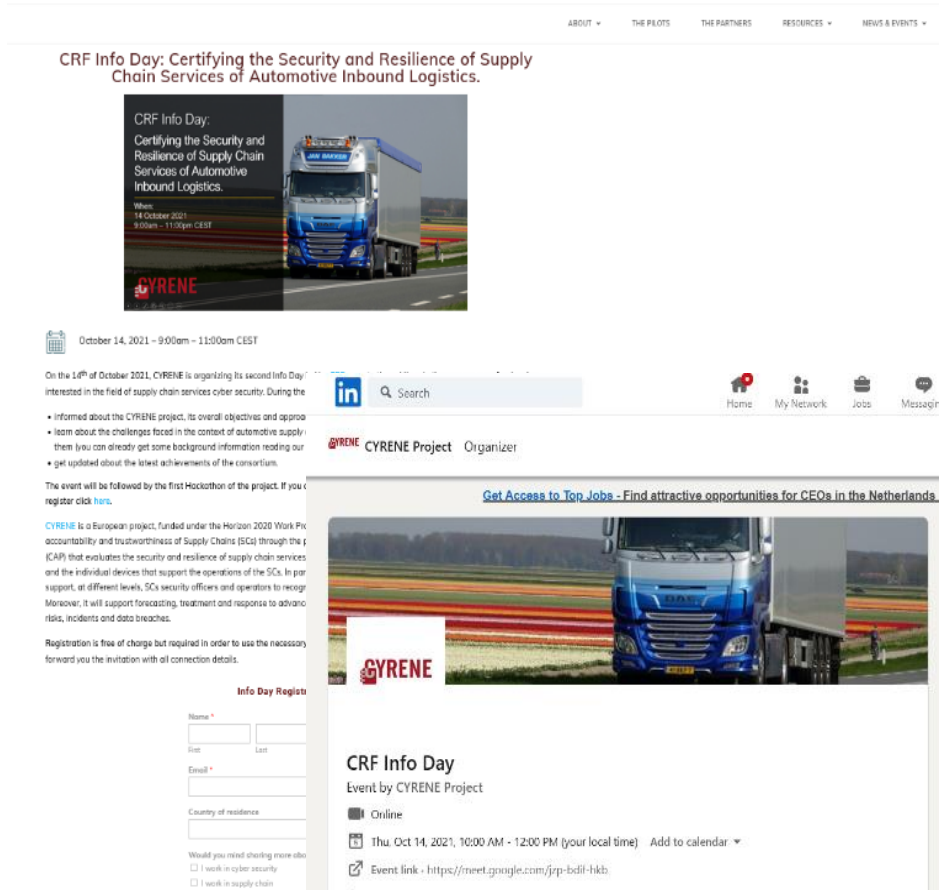
Figure 14 - CYRENE CRF Info Day registration pages

The event will be held on the 14th and 15th October, including both a presentation of the project but also a contest, where participants will have the possibility to apply their knowledge and competences for solving a challenge by proposing their ideas.

In particular, the event will start with an Info Day, where the objectives will be to engage stakeholders, including Advisory Boards, but also to reach out a wider audience, including people

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[11] Grant Agreement-952690-CYRENE, section 2.2.1 Dissemination and Communication plan

working within Supply Chains and cybersecurity, and, in general, experts who could be interested in understanding the objectives of CYRENE, with a focus on the Automotive pilot.

The audience of the Info Day will be contacted both through the promotion of each partner at company level, but also by means of collaborators and public channels similar to the Valencia Info Day. Dissemination has already started at the moment this document was being prepared (see *Figure 14*). Moreover, the consortium will directly notify stakeholders and other potentially interested contacts.

The draft agenda is planned as follows:

Time	Session title	Presenter
09:00 – 09:10	Welcome and opening	MAG/CRF
09:10 – 09:30	CYRENE project overview	MAG
09:30 – 09:45	CYRENE technical approach	UBI
09:45 – 10:00	CYRENE proposed SCS-scheme	FP
10:00 – 10:15	CYRENE proposed evaluation methodology	MAG
10:15 – 10:30	Inbound Logistics case study	CRF
10:30 – 10:40	Valencia Port case study	VPF
10:40 – 10:55	Questions and feedback	UBI
10:55 – 11:00	Closing	CRF

After this first part of the event, the hackathon will follow. The main objective of the contest is the collection of new ideas from young talented people, by means of a challenge requiring the development of new algorithms and visualization tools that could be useful for the development of CYRENE components and architecture. Open-source software will be suggested for the scope and a repository will provided for allowing file exchange between project partners and participants. A dedicated page to inform potential participants has been created and will be used for all dissemination and communication with the public during and after the event (see *Figure 15* below – to be updated once page is finalized). The event is also promoted at the homepage of the project website.
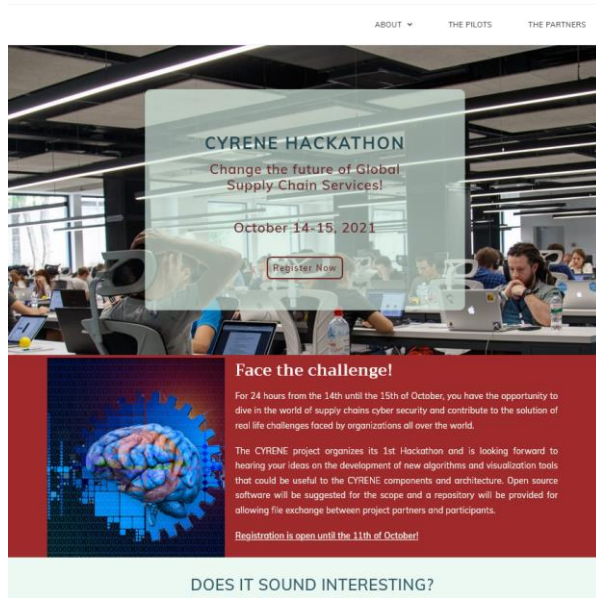
Figure 15 - 1st CYRENE Hackathon Dissemination Material

The participants to whom the contest is addressed are young developers from companies and universities i.e. students from academic project partners and from other universities in project partner's networks, small and medium enterprises and other companies in partners' ecosystem. They will be reached through direct contact of project partners or of other involved stakeholders and through the promotion in project social channels. In particular, online posts on LinkedIn and Twitter will allow to get to a wide number of potential attendees.

Skills required for the participation to the hackathon are: Python, Data Science and/or Computer Science and/or Cybersecurity. The hackathon participants will need to register by mean of an on-line form where they will need to confirm they satisfy this requirement; moreover, a consent for data privacy will be asked at the moment of the apply.

The participants will be invited to the workshop too, in order for them to have information of the contest they will work in. The hackathon agenda will be the following:

DAY II		
Time	Session title	Presenter
11:30-12:00	Hackathon presentation	CRF
12:00-12:15	Technical description of datasets and tools	UBI
12:15-12:30	Questions	*Moderator not yet decided by the time this deliverable was submitted*
12:30	Hackathon start (24 hours duration)	CYRENE consortium and Hackathon participants
DAY II		
12:30	Hackathon end	-
12:30-14:30	Participants prepare presentations of the results produced	Hackathon participants

14:30 – 15:30 (TBD according to the number of participants)	Presentation of the hackathon results	Hackathon participants
15:30 – 16:00	Final evaluation by project technical commission	Project Technical Commission
16:00 – 16:30	Awards	CRF – MAG

Each participant will have 24 hours for performing his/her work. At the end of the challenge, he/she will upload the produced results on the shared repository and then two hours will be given for summarizing them in some slides, that will be presented to the consortium. An evaluation committee made by the technical project partners will be established in order to define a rank of the best work presented and prizes will be given to the winners of the competition.

4.2 Collaboration initiatives

Collaboration among projects and organizations is key for the successful adoption of the CYRENE solution and are instrumental for the amplification of the dissemination and communication activities impact. Together as a consortium but also through the network of each individual partner, various collaboration initiatives have been initiated. In particular:

MAG is promoting CYRENE's developments via communication channels and social media posts. Moreover, it is involved in the EU-funded related research project H2020 "CyberSANE" communicating CYRENE and opening new research opportunities via mutual collaboration.

Similarly, Prof. Mouratidis (**SU**) being a member of the FISHY project advisory board, he already initiated discussion between the coordinators of FISHY and CYRENE. The first meeting took place on the 17th of June between MAG, SU and ATOS (FISHY). It was agreed to enhance collaboration between the two projects and co-organize an event soon.

FP has developed a solid collaborative network with other partners of the project i.e. MAG, HYPER. In addition, it is currently participating in EU-funded H2020 research projects on topics of privacy assessment and risk management such as: SENTINEL and AI4HEALTHSEC. Aspiring to amplify the project's acknowledgement, FP exploits social media networking through mutual support.

HYPER is cooperating with **CRF** for the organisation of the Infor Day and hackathon, which CRF will perform on the 14th and 15th of October, respectively (*see section 4.1.3* **CRF multi-event: Hackathon and Info Day**). In these terms, Hyperborea has contacts (either remotely or in person) with the following relevant stakeholders:

- The Confederation of Craft Trades and Small- and Medium-Sized Enterprises - Pisa section
- Polo Navacchio[12] (where HYPER is based), which is a technological pole and incubator
- Pontech[13] is likewise a technological pole and incubator (Piaggio is a founding partner)
- Gate[14] ("Galileo Aggregator for Technology & Enterprises")

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[12] https://www.polotecnologico.it/en
[13] http://www.pont-tech.it/en/pont-tech
[14] https://www.gatecentre.eu

- National Research Council - CNR-IIT Pisa is the promoter of the National Committee for Cybersecurity Research
- District Gate 4.0[15] (Technological District Advanced Manufacturing 4.0)

All these entities are eager to contribute to these two events and are in stand-by to follow up on instructions regarding the strategy and roadmap which the consortium (and in particular CRF) will conceive and adopt.

ITML is participating in several EU-funded projects (e.g., H2020). The company's activities in such research and innovation projects, relevant to CYRENE project, can be divided into two (2) broad categories: (a) Cybersecurity and (b) Smart Manufacturing. Regarding Cybersecurity, ITML has identified that collaboration activities can be initiated with the following projects the company is involved: HEIR, ENSURESEC, ROXANE and SENTINEL. Regarding Smart Manufacturing R&D projects, the following four (4) candidates have been identified, namely: AI4DI, NewControl, C4IIoT and COLLABS. At the moment, mutual support of each project's announcements in social media is happening amplifying the reach of our projects' posts and leveraging the use of interesting material for our audiences. Similar approach has been followed by **Sphynx Technology Solutions AG**. STS is participating in several EU-funded projects relevant to CYRENE project such as: IntelIIoT, CyberSANE, MARVEL, ENERMAN, RESIST and more.

UBI is collaborating with **MAG, FP** and **HYPER** in the frame of strengthening synergies and differential aspects leaving room for collaboration among the projects funded under ICT-02-2020 (i.e., SANCUS, ASSURED, TrustedFog, etc.). Initial discussions for collaboration have been performed and the plan is to organize a workshop among ICT-02-2020 projects in the upcoming period to discuss about the different technical approaches and identify gaps and bridges among them.

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[15] https://distrettogate40.it

5. Monitoring

5.1 KPIs status & evidence

Progress in dissemination is being monitored by using key performance indicators (KPIs) which cover all forms of dissemination and were agreed in the Grand Agreement[16]. To this end, the dissemination manager, project coordinator and exploitation manager will be facilitated in modifying the strategy and incorporate feedback into the project, such as in the case of iKPI#8 (see *Table 3*), which we adjusted from the value of 30 discussions/month in one per month in order to not spam our audience but also not to overload the partners with the production of conversation triggering material.

KPIs cover website statistics, event participation and quantity of publications. Beyond merely registering the number of activities, the KPIs are meant to measure the dissemination value of actions. The following KPIs have been identified to steer dissemination to the most valuable activities.

The first set of KPIs addresses the CYRENE website traffic

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#1: Nm of visitors / country	Google Analytics	Monthly	>= 100 visitors → >= 40 visitors	!	*Min. average: 100 visits per country represented in the consortium.*
iKPI#2: Nm of site access annually	Google Analytics	Annually	> 5000	!	*Min. 5000 visits of our website worldwide*
iKPI#3: Nm of downloads / month	Google Analytics → Zenodo Analytics	Monthly → Annually	> 500	!	*Min 500 accumulative downloads of all publications uploaded. In case of videos, views are equivalent to downloads*

Table 3 - CYRENE website traffic KPIs

As it is depicted in the table above, all KPIs related to the web traffic require some attention. This was anticipated given not only the challenging KPIs but also the fact that the project is in the first year of the project, where not many results have been produced yet.

However, we decided to adjust these KPIs in order to better align them with each other and with the preferred tracking methods. Regarding iKPI#1, our consortium consists of 14 partners based in 10 different countries. The new number is aligned with the threshold of iKPI#2, since one is highly contributing to achieving the other, therefore, they should be aligned. *Figure 16 and Figure 17* showcase the monitoring of the iKPI#1 and iKPI#2 respectively for the first year of the project.

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[16] Grant Agreement-952690-CYRENE, section 2.2.5 Communication activities
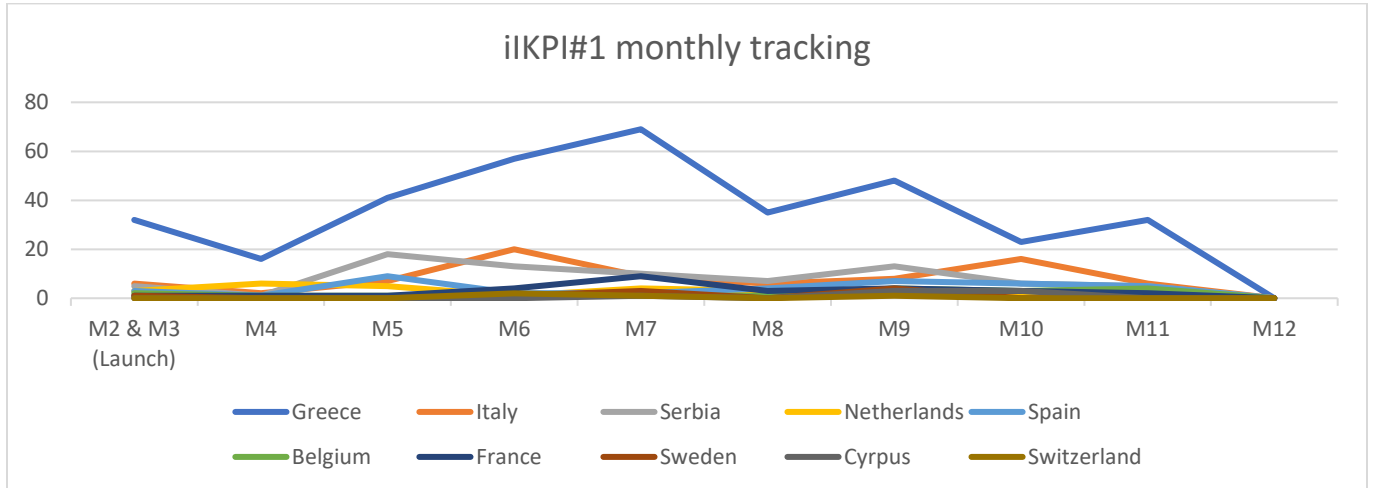
Figure 16 - Visits per country represented in the consortium
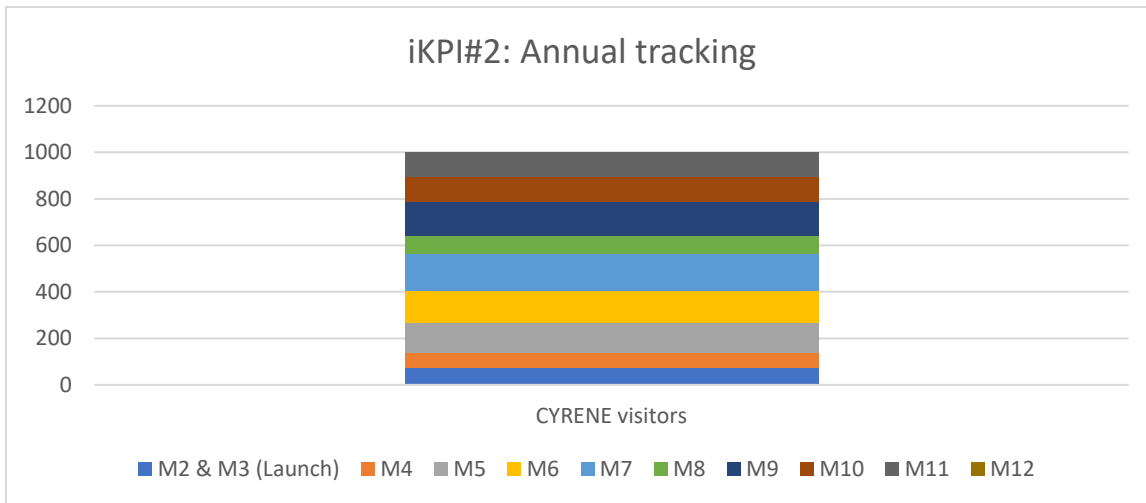
Figure 17 - Worldwide visitors to CYRENE website

iKPI#3 is also adjusted in terms of how we are tracking it. We are making all our results available in Zenodo[17], an open science community, facilitating the identification and exploration of material from the scientific community. Given the public nature of this report the results of Zenodo are more applicable, however the analytics service of the community, does not allow monthly tracking. The views and downloads of each element we share is being tracked in an accumulative way, and we cannot track numbers back. Therefore, a screenshot of the status of each item in the community will be shared on a yearly basis to reflect its progress. At the moment the accumulated number of downloads for CYRENE shared material adds up to **102 downloads** while the views are adding up to 185 (see *Figure 18*).

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[17] https://zenodo.org/communities/cyreneproject-eu
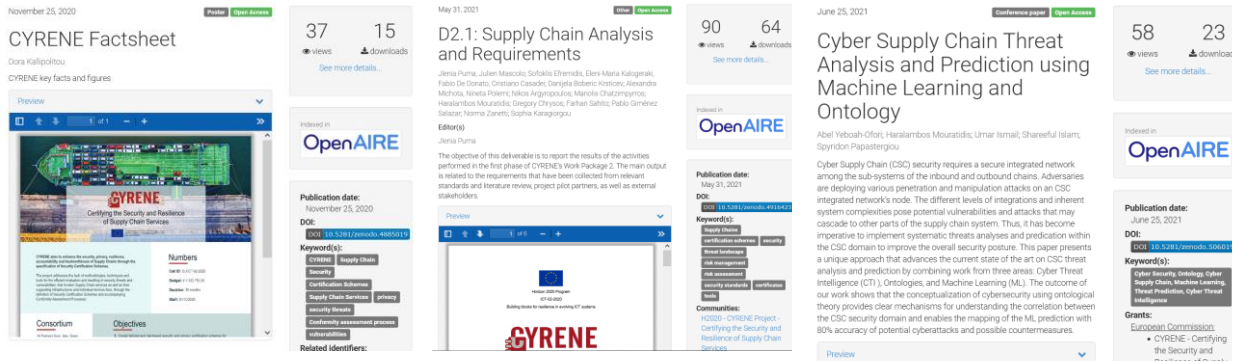
Figure 18 - iKPI#3 tracking of shared material downloads

The second group of KPIs addresses the CYRENE social media performance i.e.: Twitter (see *Table 3*) and LinkedIn (see *Table 5*).

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#4: Nm of regular push announcements	Twitter	Monthly	> 30	✓	*On average from the moment of launch*
iKPI#5: New followers worldwide / month	Twitter	Monthly	>= 20	⚠	*From the moment of launch*
iKPI#6: Nm of re-tweets / month	Twitter	Monthly	>= 50	✓	*Average accumulative number of all retweets*

Table 4 - CYRENE Twitter KPIs

Twitter was launched in M2 of the project. The first months the activity was slow, given that the effort was more spent on the consortium's internal alignment rather than external communications. Since then, our community is steadily growing (**Figure 20 – Annual CYRENE Twitter followers***Figure 20*) and given our engaging content (see chapter <u>3.2 Social Network Accounts engagement</u>) we are expecting these KPIs (*Figure 19*) to improve. We have also analyzed the type of content we shared from M7 to M9 that created higher engagement and are planning to leverage these insights in the future months as well.
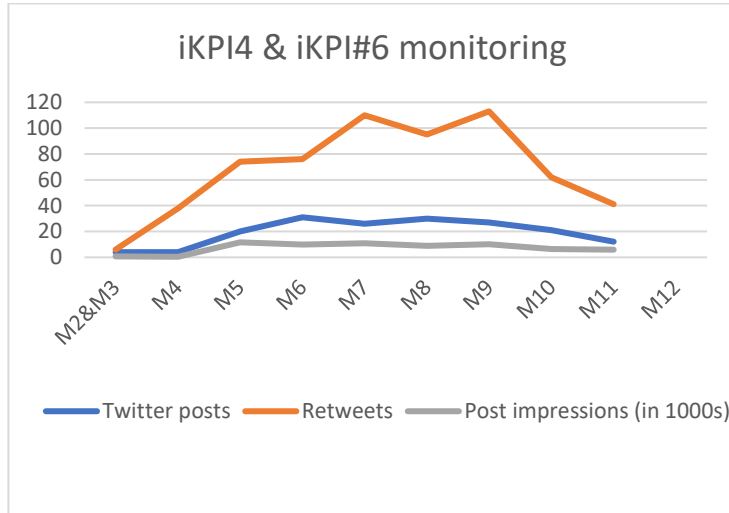
Figure 19 - Annual CYRENE Twitter activity
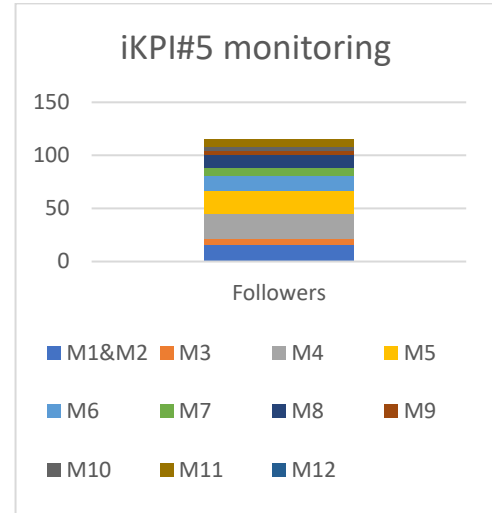
Figure 20 – Annual CYRENE Twitter followers

LinkedIn was launched in M5 of the project with only a few posts. M6 was the best month in terms of reach of our content but also the busiest in terms of posting. M9 was the best in terms of interaction with our community, triggered by one of our blogs (see *Figure 21* and *Figure 22*). In general, our LinkedIn performance is good, despite the first year of the project. Analyzing the most successful posts, we have planned similar content for the coming months and based on the performance so far, we believe the numbers of the respective KPIs will further improve.

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#7: Nm of regular push announcements	LinkedIn	Monthly	> 30	✓	*On average from the moment of launch*
iKPI#8: New discussion / month	LinkedIn	Monthly	>= 30 → >=1	✓	*Inviting (tagging) relevant audience to engage in a dialogue leveraging CYRENE content*
iKPI#9: View of CYRENE profile	LinkedIn	Monthly	>= 60	✓	*On average from the moment of launch*

Table 5 - CYRENE LinkedIn KPIs

CYRENE
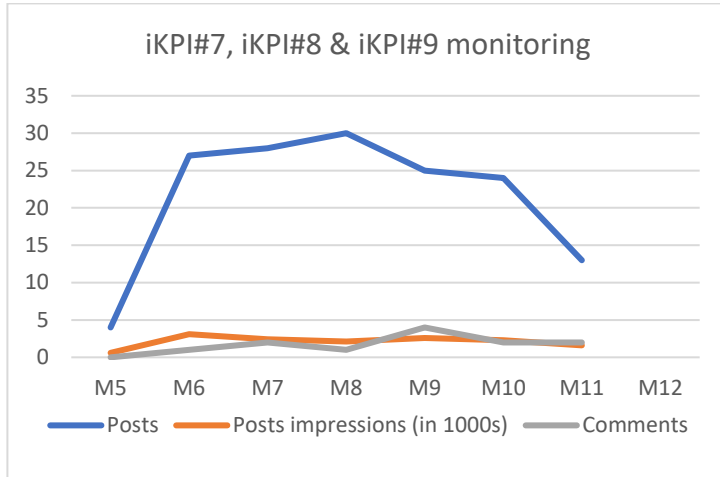
Figure 21 - Annual LinkedIn activity
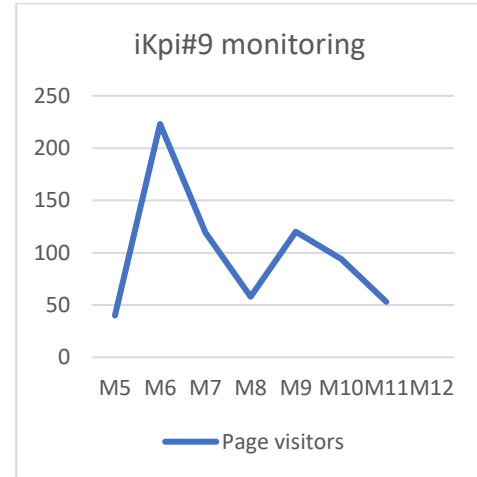
Figure 22 - Annual LinkedIn page views

Following up, the next KPIs have to do with our participation in or organization of events of various sizes. Starting with the KPIs focusing on events up to 25 participants, targeting national and EU policy makers, or national, regional and local authorities (see *Table 6*), we have two events to report in this category.

The first event is the First CYRENE workshop with the Project's Advisory Boards which was organized in M6 by our partner Privanova (see section *4.1.1* **CYRENE Workshop with Project's Advisory Boards debrief.**. We established a contact with 9 out of the 14 people invited, 2 of which completed our post event survey and confirmed their interest in CYRENE. Personal follow-up with the participants validated that they want to keep being part of our advisory boards, therefore we consider the responses to the survey tracking iKPI#12 not representative of the actual intention of the members. More events with the same participants are to be organized in the coming years in order to validate this claim.

The second event is a panel discussion in the IEEE workshop[18] on July 26, where CYRENE was represented by the Project Coordinator Mr. Sofoklis Efremidis from MAG. The topics that were addressed in the panel were the following:

- Security challenges in the maritime sector due to the emerging technologies (AI, Blockchain, 5G, satellites)
- Security Certification in the maritime digital technologies
- Maritime Supply Chain Security in the global digital maritime market
- Human factors in the cyber maritime ecosystem

The panel consisted of 6 participants, excluding CYRENE (Project Coordinators of other EU funded projects, namely: BIECO, FISHY, SANCUS, SIFIS, ASSURED, IOTAC). We established contact with 3 of them with which we also agreed to extend our collaboration in the context of the

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[18] https://www.ieee-csr.org/workshops/mcs/

common goals our projects are trying to achieve. Unfortunately, we have no information on the number of people watching the event online, since this information was not accessible.

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#10: Nm of events by the end of the project	Manually	Until the end of project	>= 5	✓	1. CYRENE workshop with Advisory Boards (M6) 2. Participation by MAG and FP in the 2021 IEEE CSR Workshop on Maritime Cyber Security (MCS).(M9)
iKPI#11: Nm of audience contacts / event	Surveys	On schedule	>= 50% of the participants	✓	1. 71,5% of attendees 2. 50% of participants
iKPI#12: Nm of participants interested in CYRENE / event	Surveys	On schedule	>= 40% of the participants	❗	1. 22,2% of attendees 2. 50% of participants

Table 6 - Small events (up to 25 participants) KPIs

Continuing with medium size events, addressing between 25 and 100 participants such as public lectures for relevant end users and/or general public, Info Days or scientific workshops (see *Table 7* - **Medium Events (between 25 and 100 participants) KPIs**), we already have 3 events to report.

- Prof. Nineta Polemi was invited to lecture on "Cybersecurity Policies and Practices in the EU – for non-IT Experts (Full Course)" by EIPA. During the session on Cybersecurity Certification, she presented the goals and objectives of CYRENE.
- Prof. Nineta Polemi from Focal Point sprl, attended also the Black Sea Maritime Cyber Security Conference with a presentation at Section 2 – European Cyber Security Education: "Current efforts in ports and supply chain risk assessment and educational needs".
- She also participated in the 2021 IEEE CSR Workshop on Maritime Cyber Security (MCS).
- Last but not least, she participated as speaker at Smart Ports 4.0, session: Evaluating Industry` Readiness and Strategy to Comply With Regulatory and Security Guidelines

Unfortunately, all those events were held virtually by third parties, so no physical contact could be established with the participants or could we retrieve any information regarding the participants in order to follow up. It was in events like this that we identified an issue in collecting information about KPIs such as iKPI#14 and iKPI#15. We decided to adopt the following approach for future events: Share a mini online survey in the chat boxes of each virtual event to get an understanding of the engaged people as well as those who would like to keep in touch and learn more about CYRENE. We consider this a non-invasive way to retrieve information from the audience, requiring minimum effort from the CYRENE representatives.

- Prof. H. Mouratidis (SU) together with Prof. Polemi (FP) were members of a round table event organized by the FISHY project on Supply Chain Cybersecurity and Risk

Management.[19] They both discussed how CYRENE can contribute to the different challenges raised by the moderator of the round table. The event was attended by (circa) 45 attendees from industry and the research communities.

- The whole consortium participated in the Info Day organized by Fundación Valenciaport (see section **4.1.2 Valencia Info Day: Certifying the Security and Resilience of Supply Chain Services of ports.** By the time this document was finalized we hadn't enough data to provide input on iKPI#14 and iKPI#15 but we already had 26 people signed up in the event and still accepting registrations.

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#13: Nm of events	Manually	Until the end of project	>= 10	✓	1. Lecture by FP on "Cybersecurity Policies and Practices in the EU – for non-IT Experts (Full Course)" by EIPA (M7) 2. Presentation by FP at the Black Sea Maritime Cyber Security Conference (M9) 3. Participation in round table by SU and FP in IEEE International Conference on High Performance Switching and Routing (M9) 4. Participation by FP in the 2021 IEEE CSR Workshop on Maritime Cyber Security (MCS).(M9) 5. Talk by FP at the Smart Ports 4.0 summit (M12) 6. Valencia Info Day (M12)
iKPI#14: Nm of audience contacts / event	Surveys	On schedule	>= 30% of the participants	✓	
iKPI#15: Nm of participants interested in CYRENE / event	Surveys	On schedule	>= 20% of the participants	✓	

Table 7 - Medium Events (between 25 and 100 participants) KPIs

Finally, as far as large events are concerned, where more than 100 participants attend such as conferences and large exhibitions, we already have 6 events we attended. The same issue as with iKPI#14 and iKPI#15 was faced here as well for iKPI#17 and iKPI#18. The strategy to follow in the future applies here as well.

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#16: Nm of events	Manually	End of project	>= 10	✓	1. MAG attended the 2021 International Conference on the EU Cybersecurity Act (M5) 2. MAG co-organized a workshop in IEEE International Mediterranean Conference on Communications and Networking (M10)

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[19] https://hpsr2021.ieee-hpsr.org/sccrm-21-supply-chain-cybersecurity-and-risk-management

					3. MAG attended the 2021 Digital Sustainability Forum (M6), 4. MAG attended the 2021 Supply Chain Cyber Security Summit (SCCS) (M7) 5. MAG attended the 2021 Critical Infrastructure and Resilience Regulation fair (M7) 6. FP attended the 11th Infocom Security conference (M7) 7. MAG and FP attended 5th NMIOTC Conference on Cybersecurity in Maritime Domain (M12) 8. SU attended and presented 17th AIAI conference (M9).
iKPI#17: Nm of audience contacts / event	Surveys	On schedule	>= 50% of the participants	✓	
iKPI#18: Nm of participants inter ested in CYRENE / event	Surveys	On schedule	>= 40% of the participant s	✓	

Table 8 - Large event (>100 participants) KPIs

The next set of KPIs is related to project publications published in Journals and Magazines (see *Table 9 - Journal & Magazine publications KPIs*). Unfortunately, there is no such publication yet. Therefore, these KPIs have not been kicked off yet. We do however have scientific papers that were accepted and were presented in 2 international conferences (see *Table 10*).

- Haralambos Mouratidis from Stockholm University co-authored the first scientific publication of CYRENE: "Cyber Supply Chain Threat Analysis and Prediction using Machine Learning and Ontology" and presented it at the 17th International Conference on Artificial Intelligence Applications and Innovations (AIAI).
- The scientific team of Gruppo Maggioli and Focal Point sprl (P. Kyranoudi, E.M. Kalogeraki, A. Michota, N. Polemi) co-authored the second scientific publication of CYRENE: "Cybersecurity Certification Requirements for Supply Chain Services" and presented it at the 26th IEEE Symposium on Computers and Communications (ISCC 2021).

The first paper is already available in the project community in Zenodo[20].

Last but not least, CYRENE is sponsoring CyberHOT summer school[21] in M12. The summer school is targeting Security officers, System/network administrators, ICT security professionals, Technical cyber security staff, Government ICT security officials, Ethical hackers, Penetration Testers, Software Developers and Students in cyber security and is going to offer training in the areas of Threat and Attack Monitoring, Risk Assessment, Security Management, Technical Vulnerability Assessments and Digital Forensics.

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[20] https://zenodo.org/record/5060199#.YVW4hn1RVPY

[21] https://www.cyberhot.eu

KPI	Tracking method	Freq	Threshold	Status
iKPI#19: Nm of international referred journal publications by project partners	Direct reporting	End of project	>=6	▷
iKPI#20: Nm of special issues in international referred journals	Direct reporting	End of project	>= 2	▷
iKPI#21: Nm of publications in international (printed or online) magazines	Direct reporting	End of project	>= 6	▷

Table 9 - Journal & Magazine publications KPIs

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#22: Nm of conference presentations by CYRENE partners	Direct reporting	End of project	>=12	✓	2 conference presentations (M9 and M12)
iKPI#23: Nm of international conferences and summer schools organised	Direct reporting	End of project	>= 2 events with > 100 attendees	✓	Sponsor of SummerHOT summerschool

Table 10 - International conferences KPIs

The final set of KPIs is related to dissemination material of the project. iKPI#24 was not kicked off until M12 because of travel restrictions and limited number of face-to-dace events. We did printed and shared 200 flyers during CyberHOT summer school. iKPIs#27 has also not been kicked off yet. Regarding iKPI#25, we had to adjust the description of the threshold from "downloads" to "views" in order not to be in a conflict with iKPI#3. Moreover, these types of dissemination material are more possible to be viewed by the audience rather than downloaded and since they are all available at the project website, the tracking method used is Google analytics. Material considered for this KPI are the CYRENE presentations, Glossary and blogs.

KPI	Tracking method	Freq	Threshold	Status	Comments
iKPI#24: Nm of high-quality printed brochures with the technical approach and activities of CYRENE	Direct reporting	End of project	≥ 1000 hard copies distributed in ≥10 events	✓	200 copies distributed in CyberHOT (M12)
iKPI#25: Nm of high-quality electronic brochures with the technical approach and activities of CYRENE	~~Admin tool~~ → Google analytics	End of project	≥1000 ~~downloads~~ → views	✓	438 views until the moment of writing this document in M12
iKPI#26: Regular newsletters with CYRENE technical activities	Admin tool	End of project	≥ 9 newsletters	✓	3 Newsletters until the end of M12
iKPI#27: Nm of stakeholders viewing 5-min high-quality videos about CYRENE in YouTube (private channel)	YouTube	End of project	≥ 500 views	▷	

Table 11 - Dissemiantion material KPIs

5.2 Individual partner contributions

Each partner's contribution is important in order to achieve the collective dissemination and communication goals. D7.1 Dissemination and Communication Plan was describing the individual dissemination plans of each partner. Hereby we provide an update from each partner regarding their contribution.

- MAG disseminates CYRENE project legal considerations and research activities on supply chain services cybersecurity certification requirements via social media and by delivering and presenting relevant research papers to scientific conferences in cooperation with FP, such as Computers and Communications symposium.

- CRF actively participates to the dissemination of CYRENE through social channels and project website, spreading information related to activities performed, results achieved, and also news/articles that could be interesting in the context of the cybersecurity in the Supply Chain. In the last months, these activities have consisted in the creation of short contents for the project social pages in LinkedIn and Twitter, but also of a blog post describing CRF pilot and objectives, that has been included in the project website and promoted through the social channels.

  Moreover, CRF has started the organization of the workshop and hackathon that will take place in October 2021. Additional information on the event have been presented in section 4.1.

- VPF is actively dissemination the CYRENE project objectives in the Valencia port community, through meetings with several stakeholders, social networks, newspapers, etc. Furthermore, a blog post was published explaining the CYRENE main objective and the Valencia pilot.

- SU's approach to the dissemination of the CYRENE project is based on three main areas: social media, publications and events contribution. Along those lines, relevant information about the project is disseminated on the SU/DSV main social channels, as well as individual SU researchers disseminate CYRENE on their own social media accounts. SU also monitors closely potential conferences and journal calls for publication and actively promotes engagement in relevant to CYRENE events.

- TSI works on disseminating the results of CYRENE project on a different scientific research area, i.e., cybersecurity over reconfigurable computing platforms. In more details, TSI works on combining the Supply Chain domain with cybersecurity through mapping efficient high-end cybersecurity algorithms on reconfigurable platforms and integrating them into SC structure. The first results of TSI work are going to be presented on a Cybersecurity international workshop. TSI, also, monitors related scientific publications, which can be used for expanding the results of the CYRENE to other scientific domains.

- UNSPMF actively participates in spreading the visibility of main goals and contributions of CYRENE, by following and sharing the latest updates from the Twitter profile of the project, promoting the project website and encouraging interested parties to keep track of its achievements and goals, in order to gain valuable feedback. UNSPMF is also working on providing a blog article for the project, thereby intensifying the spreading of its influence. Besides that, students from UNSPMF will be included to participate in the CRF workshop,

organized in October 2021. The results of this workshop will be used to inform, collect and summarize the learnings for future exploitation. All these aspects will enable gaining knowledge for further enhancements and spreading of results and community.

- FP complies with the CYRENE's communication and dissemination goals via its social media accounts (LinkedIn, Twitter, Facebook) and company's website. Furthermore FP colleagues deploy an active dissemination strategy to spread the CYRENE's concepts in building blocks for supply chain service security certification schema by participating as keynotes and speakers in national cybersecurity events and workshops.

- PN supports CYRENE communication and dissemination from the outset (see *Figure 23*). First of all, we created a dedicated CYRENE project page on our website[22]. This page also enables visitors to download a printable version of our CYRENE factsheet[23]. Under our "resources" page, PN provided a series of articles on CYRENE. These include: CYRENE – Resilience and Cybersecurity of Supply Chains[24] (on CYRENE KickOff meeting), Living-in.EU: Digital Transformation in the European Cities[25] (referencing CYRENE's relevance for the initiative), CYRENE Expert Workshop[26] (disseminating the CYRENE Expert Workshop and its results), Artificial Intelligence and Ethics in EU-funded Projects[27] (showcasing CYRENE as one of the use-cases).

Figure 23 - Privanova dissemination samples

In terms of wider dissemination, PN used its membership in the EC's initiative on digital transformation of European cities Living-in.EU to promote CYRENE and inform the persons responsible of the initiative about CYRENE's benefits. We also managed to involve our law enforcement stakeholders in our Expert Workshop by bringing a representative from INTERPOL, besides other experts who took part.

- Hyperborea is continuously monitoring events, conferences, initiatives which address cybersecurity topic main aspects and it is in depth analysing correlated findings they released. All this material is used to prepare relevant posts for Twitter and Linkedin aimed at

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[22] https://www.privanova.com/eu-projects/cyrene
[23] https://www.privanova.com/wp-content/uploads/files/CYRENE-Project-Factsheet.pdf
[24] https://www.privanova.com/cyrene-resilience-and-cybersecurity-of-supply-chains
[25] https://www.privanova.com/living-in-eu
[26] https://www.privanova.com/cyrene-expert-workshop
[27] https://www.privanova.com/artificial-intelligence-and-ethics-in-eu-funded-projects

publishing the Cyrene project outcomes and their intertwining with significant activities performed by relevant organisations at national and international level. Furthermore, Hyperborea is very active in disseminating the project through its own web site and among its stakeholders network.

- CLS is an active participant in all CYRENE dissemination efforts both in terms of social media presence as well as the promotion of project's results and activities in other consortia CLS participates. More specifically, CLS has contributed content for the project's social media on a monthly basis while also has promoted though its website and social media the project's dissemination channels. CLS is also actively monitoring scientific publication and conference calls for presenting its work on vulnerability assessment as part of the upcoming task of the CYRENE work programme, which will begin in the next few months.

- ZELUS is actively guiding and monitoring the CYRENE's digital communication activities, curating and creating content for publishing the project website and at the project's social media. ZELUS is also responsible for the reporting of all activities related to the dissemination and communication of CYRENE relevant information to all audiences. It is also using its own network and dissemination channels to promote the CYRENE outcomes and activity such as: the company's website which will be updated within M13 of CYRENE duration, ZELUS social media as well in via the company's participation in relevant networking and knowledge sharing events.

- STS is actively participating in all CYRENE dissemination activities by providing monthly social media content while also promoted through its social media accounts and website the project's disseminations channels. STS is also actively monitoring scientific publication and conference calls which addresses cybersecurity around supply chains.

- UBI pursues to disseminate the results of CYRENE project in the areas of collaborative risk assessment, web intelligence and threats identification from illegal activities (i.e., stolen credentials, data breaches, pawned email accounts, etc.) identified in the dark web. UBI plans to disseminate the research results in a selected international conference / workshop relative to cybersecurity in supply chains, interconnected systems and data analytics.

5.4 Risk and issues

Most risks and issues have been already addressed in earlier sections of the document. Hereby we concentrate them all in Table.

Risk / Issue	Description	Mitigation strategy
Issue	Not achieving iKPIs	Monitoring of good practices and picking p lessons learned for next period of time
Issue	Lack of data for tracking iKPIs related to contacts made in	Mini survey to be posted (during each event we actively participate) in the respective chatboxes. The

	events and contacts interested in CYRENE	results will be used as indicators for addressing the relevant KPIs
Risk	Collaboration with other organizations / projects is taking long to coordinate	Organize a cadence to identify ways of collaboration with identified third parties and assign owners for the relationship building and joined activities organization.
Risk	Virtual Event fatigue: A lot of events are happening virtually deriving the possibility for interaction with no distractions.	Consideration of setting up hybrid dissemination events where people can either join virtually or physically,
High prioritiy Risk (transferred from D7.1)	Dissemination activities fail to target the correct audiences	Set clear objectives based on knowledge of the target audience, set specific goals. *Comment:* No update here, remains one of the key risks we manage
High prioritiy Risk (transferred from D7.1)	Poor dissemination towards relevant stakeholders. The project may fail to get the wide participation of the citizens and the relevant stakeholders	A clear map of stakeholders. Ensure clear message across all dissemination material. *Comment:* No update here, remains one of the key risks we manage
Low prioritiy Risk (transferred from D7.1)	Dissemination activities' reach is limited by COVID-19 restrictions	Identify digital events and prepare material ready to support interactive remote sessions. *Comment:* Digital events and CYRENE's partners participation in them was very active with promising outcomes. We believe this risk is not so high anymore, especially since travelling has slowly started again.

Figure 24 - CYRENE Dissemination risks and issues

6. Short-term future planning (M12-M18)

In this section all activities planned for the next 6 months on an individual partner and consortium level for the dissemination and communication of the project will be outlined.

- MAG and FP are planning to communicate and disseminate within the next six months their achievements and contribution regarding the proposed CYRENE EU Cybersecurity Certification Scheme for Supply Chain Services (EUSCS) and the CYRENE enhanced-Risk and Conformity Assessment (RCA) methodology, produced as a result of tasks 2.5 and 3.4 respectively, through their participation in scientific conferences, workshops and related events. In addition, FP and MAG aspire to deliver research papers and promote the project's progress and findings. For instance, CYRENE is sponsoring the upcoming Cybersecurity Hands-on Training (CyberHOT) Summer School, which will take place in NATO Maritime Interdiction Operational Training Centre (NMIOTC) premises in Souda Bay in Chania of Crete late September 2021 in which FP and MAG will have an active role to illustrate the project's idea and achievements. In addition, FP in cooperation with STS has been accepted to present its work related to CYRENE security certification considerations in the upcoming 5th NMIOTC Cyber Security Conference in Maritime Domain 2021 which will be located in the NMIOTC premises and carried out by the end of September as well. NMIOTC encourages participation of groups of collaborative scientific, industrial, naval, maritime and academic inter-workings among individual researchers, security practitioners, navy staffs, standardization bodies, academics and think tanks including international and governmental agencies in the cybersecurity maritime domain and cyber defence operations. Thus, disseminating the progress of the project in such communities will have a valuable impact to CYRENE's dissemination activity that could give fruitful and positive feedback to the project.

- The activities that will be performed by CRF will mainly regard the organization and dissemination of the event taking place on the 14th and 15th October, but also the creation of contents to be published on the project social channels and the promotion of CYRENE within the company. In particular, most of the effort will be dedicated to the dissemination of the CRF workshop and hackathon, also by mean of the utilization of project social channels and website, utilizing the promotional material that will be created. This will help in reaching a wide audience, from one side, and also to increase the number of talents participating to the proposed challenges, from the other side. Moreover, CRF will contact and involve stakeholders through emails or calls, both for invitation but, in some cases, also for directly asking their collaboration in the event promotion. Finally, CRF will also support the organization and promotion of the workshop organized by VPF on 23 September 2021, where it will also participate with a presentation on Automotive Inbound Logistics pilot.

- VPF next dissemination steps are focus on the dissemination of the project outcomes generating impact in the port community and sharing the Valencia info day results after the event.

- SU plans to pursue further dissemination of the project results, in the near future, across two directions. Firstly, by extending and enhancing the paper presented at AIAI 2021, aiming to submit it to an international journal. Secondly, by disseminating the results of the outcome

from Task 3.1, which SU leads. In particular, during this task an ontological solution will be developed. SU plans to author publications to describe and disseminate the details of the ontology and the relevant methodologies.

- TSI in the next M6 plan will focus on mapping one of the most widely used IDS cybersecurity algorithm, i.e. SNORT, on reconfigurable platforms. These platforms will be integrated into CYRENE platform offering high-end cybersecurity control. Also, TSI will work on the first steps for combining its progress with other CYRENE partners' work.

- UNSPMF will present results of task T3.2 on a relevant scientific international conference

- PN will continue communicating on the project activities via its website (www.privanova.com). We will also provide regular project updates on our blog. All publications will also be pushed to our LinkedIn Company Page for more engagement. PN partners with Crowdhelix[28] which is an open innovation platform supported by a network of 450+ organisations focusing on EU-funded research. We will communicate CYRENE outcomes via their platform. Relevant CYRENE activities will, again, be reported to our contacts in the European Commission responsible for the management of the Living-in.EU initiative[29] which is a highly visible official movement aiming at fostering digital transformation in cities and communities. Besides this, those aspects of CYRENE which relate to questions of interest to law enforcement (security, potential breaches, vectors of attack, etc) will be communicated to our network of LEAs which includes also INTERPOL[30] and EUROPOL[31]. In terms of clustering opportunities, we will provide liaison with the IoT-NGIN project where we also take part.

- HYPER will present the outcomes progressively achieved at regional and national level to interested third parties (e.g. public organisations, SMEs and Large companies, research organisations, etc.)

- CLS will initiate the activities for T4.2, which is led by CLS, in M12 of the project. As part of this task the development of the Dynamic Vulnerability Assessment and Testing service will take place. CLS will evaluate the prospect of publishing relevant aspects and outcomes of this development effort in scientific conferences. Moreover, CLS will disseminate and communicate the progress of its efforts via its own and CYRENE's social media channels.

- ZELUS aims to disseminate insights and lessons learned from dissemination activities in the first year of CYRENE as well as information related to its contribution to the project. It will continue acting as a Dissemination Manager and curating content from all partners and trending topics in order to keep the communication with the CYRENE audience lively and interesting so that more awareness around the project activities and outcomes is wider spread.

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[28] https://crowdhelix.com/

[29] https://living-in.eu/

[30] https://www.interpol.int/

[31] https://www.europol.europa.eu/

- UBI targets to disseminate the research results produced in the context of dark and deep web intelligence enriched by graph and textual analytics in the second year of the project in international venues.

7. Conclusions

This document presents a detailed overview of the dissemination and communication activities that took place during the first year of the project (M1-M12) and will be followed by two more, which will be devised on a yearly basis.

Based on the identified objectives for dissemination and all generic dissemination activities, CYRENE is already using and will keep on creating a variety of dissemination assets to reach the desired audiences that have been portrayed in D7.1. It is important to stress in this document as we did in D7.1 that any dissemination in itself is dynamic as it is related to the project's partial developments and outcomes. The dissemination assets will be continuously monitored and updated (frequent adjustments are expected) with respect to project's objectives and KPIs and the implementation strategy around them will adjusted as needed in order to achieve them in the best possible way.

References

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[2] E.-M. K. A. M. N. P. Pinelopi Kyranoudi, "26th IEEE Symposium on Computers and Communications (ISCC)," in *Cybersecurity Certification Requirements for Supply Chain Services*, Athens, Greece, 2021.

Appendix

Section 1 – Partners Overview

All consortium partners contributed to the creation of this deliverable.

Part. No.	Participant organisation name	Participant Short Name	Role	Country
1	MAGGIOLI SPA	MAG	Coordinator	IT
2	CENTRO RICERCHE FIAT SCPA	CRF	Principal Contractor	IT
3	FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION, PROMOCION Y ESTUDIOS COMERCIALES DE VALENCIAPORT	VPF	Principal Contractor	ES
4	STOCKHOLMS UNIVERSITET	SU	Principal Contractor	SE
5	TELECOMMUNICATION SYSTEMS INSTITUTE	TSI	Principal Contractor	EL
6	UNIVERSITY OF NOVI SAD FACULTY OF SCIENCES	UNSPMF	Principal Contractor	SR
7	FOCAL POINT	FP	Principal Contractor	BE
10	PRIVANOVA SAS	PN	Principal Contractor	FR
11	HYPERBOREA SRL	HYPER	Principal Contractor	IT
12	CYBERLENS BV	CLS	Principal Contractor	NL
13	ZELUS	ZELUS	Principal Contractor	EL
14	SPHYNX TECHNOLOGY SOLUTIONS AG	STS	Principal Contractor	CH
15	IOTAM INTERNET OF THINGS APPLICATIONS AND MULTI LAYER DEVELOPMENT LTD	ITML	Principal Contractor	CY
16	UBITECH LIMITED	UBI	Principal Contractor	CY