

D4.2 EU Cybersecurity and Privacy cluster engagement report. 1st Report

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Abstract:

This document provides an overview of the Cybersecurity and Privacy clusters in Europe and an engagement plan to involve them in the activities organized by the Cyberwatching.eu project. The document details the process and methodology to keep a constant channel of collaboration. The report also describes the actions implemented so far and others that have been foreseen to reinforce the collaboration with clusters as intermediate actors that can provide access to numerous SMEs



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Executive Summary

Clusters are groups of specialized companies, many SMEs, and other related actors, such as Universities and public administrations, that cooperate closely together in a particular sector and geographical location. In working together its members can be more innovative, create more jobs and generate more knowledge than they would alone. The European Commission understands their importance and provides tools and organizes initiatives, actions and events for clusters and their members with the aim of creating more world-class clusters across the EU.

Clusters operate in EU markets at different levels, some are limited to regional markets, but some include multinationals that operate globally, expanding the radius of action of these clusters worldwide. Clusters vary greatly from one industry or sector to another, but the philosophy is more or less the same, improve the competitiveness of their members. In the Cybersecurity and Privacy sector there are very different clusters and with very different performance, as well.

A great percentage of European jobs are based in the regional strongholds of clusters, which together with the great participation of SMEs, leads to more innovation and growth. Following the estimation of the European Commission, there are about 2000 statistical clusters in Europe, of which 150 are considered to be world-class in terms of employment, size, focus and specialization. The European Commission focus its work with clusters in three specific areas:

1. Cluster Excellence – supporting benchmarking and training tools for cluster organisations.
2. Cluster Internationalisation – enabling EU clusters to profile themselves, exchange experience and search for partners for cooperation within and beyond the EU.
3. Clusters and Emerging Industries – providing background information on EU initiatives which support emerging industries.

Cyberwatching.eu is well aware of the importance of clusters for the Cybersecurity and Privacy sectors and through a series of coordinated actions, will engage with this stakeholder group. The first step has been identify and characterize the main EU clusters, then, the project will begin a better mutual knowledge of activities and interests through specific actions for the identification of synergies, common concerns and potential business opportunities between all of them. Cybersecurity and Privacy sectors are essential to the Digital Single Market, which aims to “ensure access to online activities for individuals and businesses under conditions of fair competition, consumer and data protection, removing geo-blocking and copyright issues”. The Digital Single Market will not achieve its goals without implementing the best Cybersecurity and Privacy solutions, and the ideal solution would be that these solutions come from the efforts of the European Union and Member States to support the Research and Innovation projects.

The project is working hard to leverage the outcomes of the Research and Innovation initiatives for the benefit of the industry, supported by the work of clusters, and being able to launch European business to be world-class leaders with the latest technology.

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1 The EU CS&P Cluster Landscape

1.1 Introduction

Cyberwatching.eu aims to improve the impact of the results of Research and Innovation projects in the European Union and Associated Countries. Part of this work is done by the identification and analysis of these results, and then developing specific activities and actions to improve their market uptake, advancing EU competitiveness. Aiming at achieving these objectives, the project will implement different initiatives such as the Marketplace, the SME end-user club or the celebration of high-level events for the R&I and commercial Cybersecurity and Privacy communities.

It is important to understand the latest advancement in the Cybersecurity and Privacy sector generated by the European and nationally funded R&I projects, but it is not least important to understand the whole sector. In order to make an impact it is necessary to work with all the value chain, suppliers, consumers and intermediaries. Cyberwatching.eu helps in the valorisation process, through collaboration with all the components of the chain. There are a type of intermediaries that have a multiplier effect, they work with multiple entities in a daily basis, incubating new projects and assisting in the commercialization of the results, Clusters.

European Commission defines Clusters as *“groups of specialized enterprises – often SMEs – and other related supporting actors that cooperate closely together in a particular location. In working together, SMEs can be more innovative, create more jobs and register more international trademarks and patents than they would alone”*. Thus, Clusters can play a major role as a link to the enterprise landscape, multiplying the effect of every action in which they are involved. They usually work for the benefit of their members and, as a consequence, for the European economy, its competitiveness and the development of the European Single Market for Cybersecurity and Privacy applications, products and services.

In order to achieve this, it is necessary to understand that clusters are independent organizations with their own structure and resources, often coming from their members or the public administrations. They have different interests and objectives due to the specialization within the sector, country and region where they operate or type of member, but it can be found very advanced ones and others behind. These operational differences in make them a heterogeneous group. Cyberwatching.eu must take into account these differences when designing actions targeted for clusters and their members.

1.2 European support

Due to the importance of the Clusters, the European Commission has created different initiatives and support structures for the clusters

- [European Cluster Collaboration Platform](#): a service facility aiming to provide cluster organisations with modern tools, which aims at make efficient use of networking instrument, develop collaboration trans-nationally (within Europe) and internationally, support the emergence of new value chains through cross-sectorial cooperation, access the latest quality information and improve their performance and increase their – as well as their members’ - competitiveness
- [The European Cluster Observatory](#): provides information, a mapping tool and an analysis of EU clusters and cluster policy. Also informs about events and activities for clusters. Clusters are invited to join the observatory through a questionnaire.

- [The European Observatory for Clusters and Industrial Change, EOCIC](#): a tender of the European Commission, which aims to help Europe's regions and countries in designing better and more evidence-based cluster policies and initiatives.
- [European Strategic Cluster Partnership for Going International](#): aims to develop and implement joint internationalisation strategies to support SME internationalisation towards third countries. Second generation consists of 23 co-funded partnerships.
- [Horizon 2020 INNOSUP-1-2015](#): Innovation Action under the Horizon 2020 Program that funded five initiatives to help clusters to design and implement specific actions for SMEs in different sectors.
- [Cluster Excellence Programme](#): aimed at strengthening the cluster management excellence in the EU as a way to provide more professional business services to European SMEs through clusters and therefore contribute to the development of more world-class clusters in the EU. Finished in 2016
- [Cluster Internationalisation](#): enabled EU clusters to profile themselves, exchange experience through exclusive events and search for partners for cooperation within and beyond the EU, aiming to lead international cluster cooperation in new areas, notably in support of emerging industries. This action finished in 2014.
- [Clusters and Emerging Industries](#): providing background information on EU initiatives which support emerging industries.
- [European Cluster Excellence Initiative, ECEI](#): supported clusters by providing benchmarking and training tools for cluster organisations, it ended in 2012. One of the partners has continued its work with the European Secretariat for Cluster Analysis (ESCA).

The European Cluster Collaboration Platform is the most visible of those listed. It is the leading European hub for international cluster cooperation, with public information from the majority of the clusters and access to the latest actions organized by or targeted for clusters. It contains information from the majority of the other initiatives, present and past, and a description of many of the active clusters in Europe, but also abroad.

All these initiatives have one thing in common, they try, or tried, to provide mechanisms for connecting clusters, to improve their visibility and to enhance the training of their management structures. However, there is an evident gap between Clusters and the market, their structures are not efficient enough and lack of competitiveness, which impact in the way that they promote, foster and incubate the innovation and the market presence of their members, which is their utmost objective.

2 Getting to know the Clusters

It is important to understand what issues affect Clusters the most, and that could be inferred from the actions implemented by the European Commission during the last decade. These issues can be used by Cyberwatching.eu in the design of the actions as they will attract more the attention of the Clusters and their reward by participating will be bigger.

2.1 Identification of Cybersecurity and Privacy clusters

Clusters working in the Cybersecurity and Privacy sector are not specifically targeted by any of the former initiatives; they participate in them, but they do not play a preferred role or count with specifically targeted actions. There is room for an improvement on how clusters operate in general, and in a fast pace sectors like Cybersecurity and Privacy, this is even more important. The first step before working with these clusters would be to identify them and what positive impact Cyberwatching.eu can mean for them and their members.

During the first year of the Cyberwatching.eu, partners have performed an in-depth search and analysis of the current existing clusters, looking for those that have an important presence in the Cybersecurity and Privacy sector. The project has generated a catalogue of clusters by the following process:

- Consult of the European Cluster Collaboration Platform, filtering by sectors relevant for the cybersecurity and privacy sectors.
- Consult of the UK Cybersecurity Clusters Forum for information on United Kingdom's clusters.
- Search for clusters in specific countries with low results.
- Discard clusters with very limited activity, few members, local scope or without relevant representatives of the sectors.
- Analysis of the individual mission, objectives, strategies and region of operation for each cluster within the scope of Cyberwatching.eu in order to find those more relevant for the sector.
- Confirm a contact person in charge of the international relations, if not possible, the cluster manager, and the contact information.

The numbers of the whole process are the following:

- Scope of clusters: more than 850 clusters
- Filtered by sector, relevant to Cybersecurity and Privacy: 182
- Clear alignment of mission, scope and strategy with the Cybersecurity and Privacy sector: 65
- Selection of the most relevant o priority clusters: 22

In order to identify the most relevant clusters, besides a dominant focus on the Cybersecurity or Privacy, the result of the "Priority Sector Report: Digital Industries" published by the EU Cluster Observatory¹ has been taken into account. It highlights the leading regions in Digital industries, as Cybersecurity and Privacy sectors belong to the Digital industry.

The result of this analysis has been published on the cyberwatching.eu website as a catalogue of European CS&P clusters, available in the website of the project, www.cyberwatching.eu/clusters

¹ Priority sector report: Digital industries. EU Cluster Observatory. February 2017. <https://ec.europa.eu/docsroom/documents/24681/attachments/4/translations/>

2.2 Weaknesses and opportunities

From the initiatives mentioned in section 1.2, there are different needs of improvement of the operation of the Clusters. The EU Cluster Observatory works with clusters to improve their operations, giving visibility of their work and organising different activities cluster-oriented. This observatory takes account of the clusters' performance when assessing the Regional Competitiveness Indicators with the Regional Ecosystem Scoreboard².

Summarizing the work of the EU Cluster Observatory and the initiatives listed in section 1.2, the main obstacles for Clusters are the following:

- **Excellence:** High quality cluster management is a key element of successful world-class clusters. Strong and professional management is crucial for cluster organisations in order to be able to assist companies in maximising their market position and to raise their innovation capacity and competitiveness.
- **Internationalisation:** The mission of many clusters is to support their members to create new market opportunities. As the competences necessary for the internationalisation are very specific and small and medium companies usually lack them, SMEs prefer to rely on the specialised structure of a Cluster. There is a wide range of opportunities that can benefit the companies, finding new clients/customers, creating partnerships with relevant stakeholders, accessing new knowledge, etc. SMEs should provide a strategy with tools, practices and connections that help them in the process, but those that are not consolidated at international level usually cannot cope with the expectative of their members.
- **Emerging industries:** Adapting to the changes of a sector is very difficult but it is vital when trying to maintain a competitive advantage over time. Currently, technology innovation has sped up the change in almost every industry, digitalisation has reached every corner of the economy and no industry has maintained unaffected by cross-cutting technologies. This process has also led to the surge of new sectors with very high growth rates and further market potential that force traditional industries to introduce changes to reach and be competitive in the new landscape. Clusters are very important when it is necessary to respond to new trends, they help their members to collaborate to prepare themselves to the new market challenges that emerging industries offer. Clusters that manage effectively with the new opportunities of the emerging industries will lead the new sectors in the medium and long terms. The EU Cluster Observatory released the "European Cluster Panorama 2014" report³ where 10 emerging industries were analysed.

These three major challenges are common issues for clusters of all thematic and, of course, can be applied to the Cybersecurity and Privacy clusters, with an aggravating circumstance, they can be considered digital services. Digital services face a problem, the barriers are lower than other traditional industries that require heavier investments in infrastructures or depend on large commercial structures. In the digital sphere, it is easier for a small group of developers to launch a new online service or develop a software worldwide with a small investment but very high growth. And there is another important issue for the Cybersecurity companies, a new cross-cutting innovation can make obsolete or useless existing products

² https://ec.europa.eu/growth/industry/policy/cluster/observatory/regional-ecosystem-scoreboard_en

³ https://ec.europa.eu/growth/industry/policy/cluster/observatory/cluster-mapping-services/cluster-panorama_en

and services, which makes extremely important for them to be always as close as the state of the art as possible. This need of being always at the front of the innovation process forces Cybersecurity and Privacy companies to rely on clusters to support them in maximizing the market opportunities and the contacts with other regions or countries that stand out among the sector.

3 Strategy

The identification of the relevant clusters is the starting point for Cyberwatching.eu to start a positive collaboration with the clusters selected. The objective is to assist them improving how they support their members through concrete actions that open up the services of the project for their benefit.

One of the objectives of Cyberatching.eu is to *“become the online hub for R&I in cybersecurity & privacy in Europe offering European citizens access to innovative and trustworthy ICT products, services and software which take fundamental rights, such as privacy, into consideration”*. In order to achieve this, it is very important to count on the support of Clusters, as they can expand the target audience and the impact of the actions implemented, such as the Marketplace and the “SME end-user club” increasing and the participants of the actions.

The objective of the cluster engagement strategy is to increase the interest of the Cybersecurity and Privacy Clusters in the project and its services for their own and their members’ benefit, whilst promoting the adoption and commercialization of the R&I results. This collaboration aims to be fruitful for both sides. Targeted clusters will improve their performance and the impact in the business of their members and the project will benefit from the dissemination performed by the clusters of the activities implemented by Cyberwatching.eu, attracting more projects, companies and SMEs to participate in the different initiatives such as the Catalogue of projects, SME user club and the marketplace, as well as, the webinars, concertation meetings, annual workshop and other events co-organized by the project.

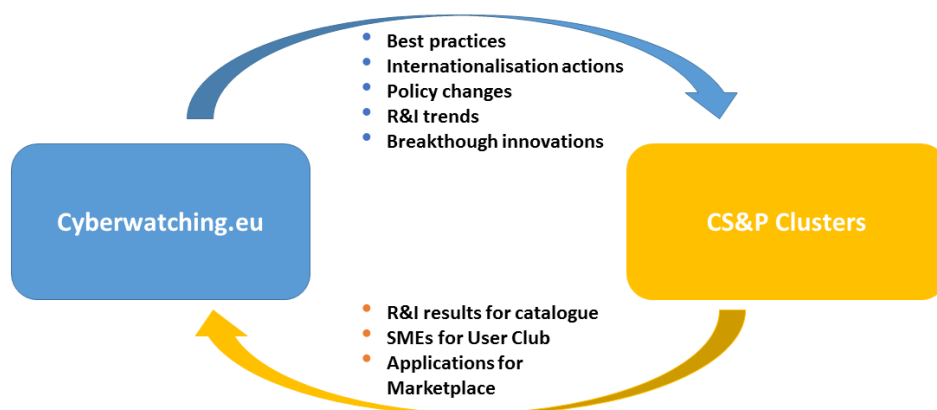


Figure 1 Engagement strategy

To achieve this objective it is important to highlight the information that will be highlighted, and how to reach the clusters, who will be in charge of the communication and what short-term benefits will receive the clusters collaborating with the project.

3.1 The right message

It is very important for Cyberwatching.eu that the message that it sends out to Cybersecurity and Privacy clusters is in line with their needs. Some examples are provided below:

- Benchmarking of world-class clusters: the project will invite clusters that are more advanced in terms of achieving a global position outside the European and Associated Countries borders to exchange their experience with other clusters. It is very important that this benchmarking information about how they have worked to reach their current position and what opportunities exist for other clusters to cooperate with them. Cyberwatching.eu will emphasise the need to think globally, in line with other initiatives of the European Commission, and overcome cultural and/or language barriers with other non-EU countries. These can often be major barriers when clusters try to cooperate with organizations located in other regions of the world.
- Internationalisation opportunities: the project is aware of the growing importance of the internationalisation process for the clusters, so, it will be aware of the activities that the European Commission and public organisations in Europe or Associated Countries implement which focus on the Cybersecurity and Privacy sectors.
- Knowing clusters: acting as a meeting point for Cybersecurity and Privacy clusters, the project will promote the interaction between clusters, by giving visibility to their work. All information disclosed by the project regarding a cluster will be accompanied of the contact data. The project will be open to receive queries from clusters, public entities or companies that are looking for specific clusters and partners will provide the information on the corresponding clusters that fit the query.
- Promotion of R&I programmes: as part of the cyberwatching.eu Observatory, the project will provide clusters with information about the R&I programmes where their members can submit project proposals. The information provided will be accurate and specific to the Cybersecurity and Privacy fields, including calls focused on the internationalization action of clusters or the provision of services to SMEs.
- Validation of R&I results: through membership of the SME end-user club, cluster members can benefit from the various opportunities to validate results of EC projects and in turn benefit from the results of cutting edge R&I projects.
- Commercialisation of R&I results: this item could be the most important for the members of the clusters, expanding their commercial activities to attract more clients and customers for their products and services. The project is implementing the Marketplace, which will be improved over time to fit the feedback received, and clusters will be informed of any change or update that can improve the return for their members.
- Legal and policy aspects: part of the work of Cyberwatching.eu is to analyse current legal and policy frameworks in the Cybersecurity and Privacy sectors. It is expected that in the coming years they will adapt to the changes that these sectors will face. The participation of partners in the process of analysis and review of these items will generate a deep understanding of coming changes. Information on the coming changes that could affect clusters and their members will be shared through the channels of the project such as the website, SME end-user club and workshops.
- Funding opportunities: periodically the European Commission creates funding opportunities for clusters, such as the European Strategic Cluster Partnerships for

Going International (ESCP-4i), where cluster receive funds to launch activities that benefit the European business directly (clusters manage and hand over funding for enterprises implementing specific actions) or indirectly (clusters receive the funds to design and implement actions). Cyberwatching.eu will pay attention to each new opportunity, especially in the context of the Challenge “Secure societies” of the Horizon 2020 programme.

3.2 Dedicated activities

The project has designed different mechanisms to work with enterprises and research centers producing R&I results, which will be available for clusters as well, which could act as an entry point for their members.

- **Online catalogue:** each cluster identified by the project as relevant in the Cybersecurity and Privacy sector are included in the CS&P cluster catalogue on the Cyberwatching.eu website, as described in Section 2. The catalogue includes a description of the mission of the project and contact data. Clusters are free to update or change this information by an online form. Any cluster who is interested in joining the catalogue can fill up the form to be included, upon the evaluation of the partners of the relevance in the Cybersecurity and Privacy sector. The catalogue will be maintained during the whole duration of the project, including newly detected clusters and dismiss those that lack or an actual work within the scope of Cyberwatching.eu. The current version of the catalogue is included in the Annex A of this document. In order to complement the catalogue with a qualitative analysis, the project has created a questionnaire to gather the information from the clusters about their actual work in the Cybersecurity and Privacy sectors, this questionnaire has been included in this document in the Annex B. The catalogue will be further updated in Y2 in order to provide further information on the clusters. In addition, the clusters catalogue will be integrated into a map of EU CS&P activities. The map will also include projects from the observatory, SMEs from the SME end-user club and service providers from the marketplace.
- **Periodic webinars:** these webinars targeted for clusters will be about the practices of the clusters, where prominent clusters will talk directly about their issues when they worked on some activity new and with a clear benefit for them. They will be focused on how clusters create successful international structures or partnership, where the protagonists will be invited to speak up in first person to other clusters. The first webinar was carried out in M14 and involved two clusters.
- **Events:** clusters will be invited to relevant workshops and events run by cyberwatching.eu. The Concertation meeting in M12 saw the participation of GAIA and ClujIT. Similarly, clusters will be invited to future workshops such as the Annual event and the next SME end-user club workshops both in M18⁴. The webinar "Cybersecurity as an opportunity in a changing market" was held by the cyberwatching.eu project on 10.07.2018. The webinar focussed number of perspectives such as future Horizon 2020 funding opportunities, experiences of cybersecurity by design in a global living lab in Spain, the importance of risk management in areas such as cyber insurance and the opportunities that companies now have to become providers of cybersecurity solutions in Europe.
- **Surveys:** it is very important to know what cluster managers think and look for in their work, and this cannot be ignored by the project. In order to gather information on how to collaborate and assist them, very light and separated in time surveys will be shared with clusters. The project has and will link the surveys to the activities

⁴ <https://www.cyberwatching.eu/free-cyberwatchingeu-webinar-cybersecurity-opportunity-changing-market>

organized with/for clusters such as webinars or the events, in order to maximize the return from them.

- **Newsletter:** there will be regular publications sent to clusters summarising the most relevant news on the Cybersecurity and Privacy sectors that are of the interest of the clusters. There will be information on coming activities organised by the project targeted for clusters, by the clusters who desire to have some dissemination, by the European Commission or any of the European or Associated Countries organisations or other projects that are working in the field. The newsletter start after the organization of the webinar targeted for clusters, in order to benefit for a greater audience.

3.3 Benefits for clusters

Clusters will benefit from their collaboration with Cyberwatching.eu, but it is very important to give them quantitative returns of the time spent in the activities organized by the project. Thus, different mechanisms have been designed to help them gain an extra visibility of their work. These will be implemented in Y2:

- **Speakers at events:** clusters work in a fast changing and competitive environment, they have to follow the pace of the market and the innovations, so, being able to stand out in front of other clusters give a visibility that is needed to attract new opportunities. Cyberwatching.eu does not want to channel the messages of the clusters, but to give them the chance to take the floor and speak in first person about themselves. They most active and advanced clusters will have an active role during the webinars and events, such as the concertation meetings, where they will have a high chance of creating synergies with other clusters.
- **Cluster of the month:** in order to offer a direct highlight to the most active clusters in between the different events or activities organized, the project will select monthly a cluster to be highlighted in the website and the social networks of the project.
- **Priority cluster in the catalogue:** those clusters with a strongest alignment with the Cybersecurity and Privacy fields and the clusters that are more active in the communication and collaboration with the project will receive a badge on the catalogue to highlight them. This will provide cluster more attention within the catalogue and stimulate a healthy competition among them.
- **SMEs end-user club patron:** SMEs are the main target in this initiative, they will receive information on how to address the Cybersecurity and Privacy issues that affect their business, especially those that are ICT-intensive. Clusters will be able to propose issues and matters that will be treated in the club in order to find the response for the needs of their members. Cyberwatching.eu will look for the experts that could provide the appropriate answers, which will be shared with the community of SMEs.
- **Marketplace partner:** during the publication of supply and demand profiles, the Cybersecurity and Privacy clusters collaborating with the project will have a “shorter way” from the submission of the information to the publication. The publications from the clusters will be “pre-validated”, which means that they have already made a first check that the demand or supply profile is sound and it is within the context of the marketplace. Anyway, the project will make a final validation to ensure that the information provided and the description of the request has enough quality to be included in the marketplace. The cluster which was referred during the submission will appear as contact, as well, and after the project end, when the project ensures its sustainability by the charge of royalties from the marketplace,

the clusters that collaborate with the marketplace will receive a percentage of the total operations funnelled in the marketplace.

3.4 Responsibilities

In order to achieve the objectives of the work with the Cybersecurity and Privacy clusters it is very important to define the responsibilities of each partner participating in the task.

- **Online catalogue maintenance:** included in the website of the project, it will show updated and complete information of the clusters. The most relevant and collaborative clusters will receive the “priority cluster” badge after the assessment of the consortium. **Lead partner: IT-Trust & AEI**
- **Questionnaire:** the clusters included in the catalogue will be assessed in order to know more about how they deal with the Cybersecurity and Privacy themes internally. The clusters initially included in the catalogue will receive the questionnaire in batches of ten, so the partners can manage a reasonable amount of documents. After the inclusion of a new cluster, they will be asked to answer to the questionnaire. **Lead partner: AEI**
- **Webinars organization:** the project will implement 10 webinars, in the next 36 months at least 2 webinars will be organized to meet the needs of the clusters, the first is confirmed to be celebrated in June 2018. **Lead partner: AEI & Digital SME**
- **Events:** clusters will participate at future to provide some insights of their work and their value for the sector. The selection of the clusters to speak in them and the coordination of their participation it is very important to ensure it is interesting for the attendants and it contributes to the success of the workshop. **Lead partner: AEI, DSME & Trust-IT**
- **Newsletter preparation:** the information will be combined in regular newsletters with relevant information. An online mailing tool will be used to manage the process, respecting the GDPR and European personal data laws. **Responsible: Trust-IT**
- **Cluster of the month:** based on the information and the proactivity of the clusters, one of them will be chosen monthly as cluster of the month in the online channels of the project. **Responsible: AEI**
- **Surveys:** they will be organized co-located to other activities in order to gather the most responses possible. Online or paper surveys will be created, depending on the type of activity associated to the survey. **Responsible: Digital SME & other partners**
- **SMEs end-user club patronage:** following the work with the clusters, AEI will disseminate among clusters the importance for their members to join the SMEs end-user club. The clusters that are interested in joining as patrons will have to reach a Memorandum of Understanding with the coordinator of the initiative in the project. **Responsible: Digital SME & AEI**
- **Marketplace partnerships:** this activity is very important for the future of Cyberwatching.eu, a Memorandum of Understanding will be signed by the responsible of the marketplace with every clusters interested during the project. A follow up of the participation of the project will be done periodically. **Responsible: AON & Digital SME**

3.5 Synergies

The ecosystem of clusters is broad in Europe and Associated Countries. There are some initiatives which aim to improve performance, as indicated in section 1. In order to leverage the impact of Cyberwatching.eu, it is necessary to maximize the audience of each action

implemented, therefore, the project has studied the creation of synergies with other relevant projects and organizations that will help in the process.

The first synergy that it has been implemented has been with other projects that are focused on the internalisation of the Cybersecurity and Privacy sector, such as AEGIS, PROTASIS and PROMETHUS, Horizon 2020 projects focusing on EU-US dialogue and a focus on cybersecurity and privacy dialogue, and EUNITY, aims to develop the dialogue between Europe and Japan on cybersecurity and privacy research and innovation trends and challenges. The collaboration with these projects is focused on attracting the organizations that are more active in the trans-national collaborations in cybersecurity and privacy. Collaboration with these projects at both the Annual workshop (M18) and a networking session at ICT2018 (M20) are planned. This collaboration will also include the cluster community too, as well as the Observatory of Research and Innovation and the analysis and recommendations on legal and policy aspects, among others.

The project has already foreseen the collaboration with the SEREN network, created by the National Contact Point in Security for the Horizon 2020 Programme. This network will help in the dissemination of the activities organized for the research, industry and cluster communities. The project will invite its members to the events, webinars and workshops, organized, and it will share the public information and deliverables with them, in order to have a fruitful dialogue for both entities. During the duration of Cyberwatching.eu, the members of SEREN will be taken in consideration during the information compilation processes, as they have contacts in their countries of origin with projects and organizations active in the Cybersecurity and Privacy fields. Indeed, the SEREN4 project participated at the webinar in M14 which targeted the clusters, as described above.

The European Commission and its different units related to ICT and, specifically, Cybersecurity will be also considered during the dissemination stages of the events and initiatives created for the Cybersecurity and Privacy sectors. It is very important to count on organization with a high credibility when trying to get the attention of individuals that have not heard about Cyberwatching.eu, and the different European Commission units are of high esteem in the Research and Innovation communities. The support of the European Commission will be very important when reaching relevant organizations, and minimize the suspicious of those who have not known what Cyberwatching.eu is and what is proposing to its target audience.

Any other collaboration offer received by the project will be adequately evaluated by the consortium in order to ensure that is within the scope of the project and it will help in the objective of democratising and commercialising Cybersecurity and Privacy solutions.

4 Collaboration with clusters M1-14

The work performed so far has been focused on the creation of the catalogue of cluster and contact the projects included in it. The project has also created an online tool for clusters to update the information included in this catalogue (<https://www.cyberwatching.eu/submit-your-csp-cluster>), even clusters not selected can propose themselves to be included in the catalogue, whose candidacy will be studied by the project partners to avoid the inclusion of organizations with a low profile in the cybersecurity and privacy sectors. This process has been very intense, the number of clusters that had to be evaluated to understand its alignment with the project objectives was very important. Without this work, the next activities to be implemented with clusters will be almost impossible to manage, because it allowed the project to create a single information point regarding clusters.

The collaboration with the clusters started in the first Concertation Meeting (M12), saw presentations from two clusters, GAIA from Spain and Cluj-IT from Romania. Both were included in the program and their representatives had the chance to speak about their vision of the Cybersecurity aspects. The representative from Cluj-IT, Mr. Andrei Kelemen, participated in the section “Piecing together the Cybersecurity & Privacy ecosystem”, where he comment on how the clusters positions in the European and global landscapes to help out their members. The representative of GAIA, Mr. Jokin Garatea, had the opportunity to participate with a talk on “Opportunities for projects to collaborate with EU Cybersecurity clusters”, where he exposed how GAIA is working on applying Cybersecurity to sectors where it has not been applied yet, such as the Ocean industry. This collaboration was repeated at a webinar specifi call targeting clusters carried out in M14 where both GAIA and ClujIT presented⁵.

The collaboration with the SEREN project started with an audio-conference with its manager, Ms. Gabriella Quaranta and Ms. Maite Boyero, in October 2017. The purpose of the project was to introduce the project and its objectives and talk about how the project can collaborate with SEREN and its partners. Both parts agreed in the obvious benefit for the project and SEREN by the creation of a fluent channel of collaboration. The first collaboration was intended to be in the first concertation meeting on April 2018, but, the third phase of the SEREN project finished on April, which made difficult for its members to collaborate due to the administrative processes ongoing at the time. With the new phase of SEREN starting on May 2018, the contact has been resumed, and SEREN4 gave a presentation on the Research and Innovation opportunities for clusters and their members in the next calls of the Horizon 2020 at the first cluster-targetted webinar mentioned above.

⁵ <https://www.cyberwatching.eu/free-cyberwatchingeu-webinar-cybersecurity-opportunity-changing-market>

5 Conclusion

During the first 12 months of the project, the project worked to create the foundations of the future collaboration with the clusters that will run for the the whole project lifetime. The first step has been to identify the clusters, design and create mechanisms to collaborate and talk to them bi-directionally, in order to make them participants of the actions, including joint actions with them.

The main goal of the project within the scope of *task 4.3 - EU cyber-cluster engagement* is to help clusters to embrace the changes in the sector, be aware of the importance of the Research and Innovation for the success of their members, stablish new communication channels between them and create new tools for the exploitation of the R&I results. The project also wants to capacitate the clusters to be able to improve the service offer to their members, by giving them an early access to the information collected from the projects, the more they know about the last innovations, the best orientation and advice will provide to SMEs and members.

Cyberwatching.eu will keep the work to attract clusters to the activities organized, both virtual or physically. Partners have set their minds on incorporating clusters to all the dialogues with the main stakeholders in the fields, and this will be maintained always in the next 36 months of project.

The end-goal of Cyberwatching.eu is that SMEs will have the opportunity to improve their competitiveness; the projects will have the opportunity to commercialise their results, and establish synergies with representatives of the sector. Europe cannot think only in its internal market, that thinking does not work in Cybersecurity and Privacy where everything is barrier-less. Cyberwatching.eu will work to expand the market well beyond the borders of the EU member states. And clusters will be very important to achieve this goal.

ANNEX A. CYBERSECURITY AND PRIVACY CLUSTERS IDENTIFIED

Name	Country	Region	Sectors	Objectives	Contact	Website	Priority
AEI Ciberseguridad y Tecnologías avanzadas	Spain	<i>National</i>	Cybersecurity technologies. Advanced technologies (e.g., Mobility, Cloud, eHealth, Smart Cities, Big Data, Social Web, Image patterns recognition)	Create a national expert pole in Cybersecurity. Improve the competitiveness in Cybersecurity solutions with public-private and B2B partnerships. Boost Innovation and Development Projects in cybersecurity and Emerging Technologies. Launch an international action line. Position the AEI cluster as an international reference in cybersecurity, based in Spain. Develop a professionals training plan.	Raúl Amarelle Project manager raul.amarelle@aeiciberseguridad.es +34 676 05 26 61	http://www.aeiciberseguridad.es/	YES
Alliance Informatics and Innovation Cluster	Hungary	Közép-Magyar ország	Education and Knowledge Creation Environmental Services Information Technology and Analytical Instruments	The objective of the Cluster is to develop unique, up-to-date and marketable products within the scope of the info-communications industry. Previously software products were mainly sold independently and were implemented to make the processes of various industrial sectors more effective. By contrast, the intention of the Cluster is to put the ICT achievements to work for the development of professional processes of different sectors, as well as creating and fulfilling new user demands. In this way, new systems will emerge with new functions. The penetration of advanced technology and methods into traditional industries is incessant all over the world and market success may only be achieved with this same approach. New emphases, as well as previously unknown services and product groups, are thus created; e.g. in the field of	Laszlo Hencz Cluster Manager +36-30-339-6082 laszlo.hencz@alliance.hu	http://alliance.hu/lang/en/	YES

				environmental protection, health care or diagnostics. In these sectors, ICT techniques have been present from the beginning and constitute the driving force of development.			
Associação para o Pólo das Tecnologias de Informação, Comunicação e Electronica TICE.PT	Portugal	Centro	Communications Equipment and Services Education and Knowledge Creation Information Technology and Analytical Instruments	The TICE.PT aims to promote and leverage networking strategies for the sector. Network between companies and R&D centers, in order to induce a renewal active in national economic context, producing positive effects on national offering, enhanced by innovation and knowledge, creating export capacity and added value in domestic products.	Pedro Roseiro Internationalisation Responsible pedro.roseiro@tice.pt	http://www.tice.pt	YES
ASTER -ICT & DESIGN PLATFORM	Italy	Emilia-Romagna	Information Technology and Analytical Instruments	<p>The Aster - ICT and Design Platform is a regional innovation and technology cluster which gathers the industrial research labs from public and private research organizations and private companies (both larger companies and SMEs) spread throughout the Emilia-Romagna region operating in the ICT and SMART technology sectors.</p> <p>The Platform mission is to provide, knowledge, skills, facilities and resources so as to represent a point of reference for the innovation needs expressed by the ICT sector and other sectors which need ICT competences. Specifically, one of the main challenges of the cluster is to develop and provide innovative solutions and services targeted to SMEs innovation needs; either to those belonging to the cluster as qualified members or to the wider national and international business</p>	Daniele Sangiorgi Cluster Manager +39 051 6398099 daniele.sangiorgi@aster.it	http://www.retealtatecnologia.it/piattaforme/ict-e-design	YES

				<p>community.</p> <p>The mission of Aster - ICT and Design Platform is to:</p> <ul style="list-style-type: none"> • Foster company innovation attitude • Promote industrial research • Facilitate industry-research collaboration • Identify funding opportunities • Foster business competitiveness by developing innovative products and services • Support the internationalization of research and technology transfer <p>The annual platform strategy is developed by the ICT and Design Steering Committee. This Committee also develops the annual activity plan and strategic projects to drive the regional innovation policy; its work is coordinated by Aster and carried out by accredited industrial research and business members.</p> <p>Based on the Smart Specialization Strategy developed by the Emilia-Romagna Region, the Aster - ICT and Design Platform has organised several thematic working groups to identify regional value chains in the field of service innovation gathering local companies and research organizations. The identified value chains are:</p> <ul style="list-style-type: none"> • Intelligent IT services • Internet of Things • Cyber security • Big data 			
Baden Württemberg:	Germany	Stuttgar t	Business Services Information	Baden-Württemberg: Connected represents a strong regional community. Baden-Württemberg is one of the economically strongest regions in Germany and Europe.	Jähnert Dr. Jürgen Cluster Manager	http://www.bwcon.de/	YES

Connected e.V.			Technology and Analytical Instruments	<p>A network of excellent research institutions and powerful industrial clusters are the base of the region's global competitiveness.</p> <p>bwcon is the leading business initiative for the promotion of the high-tech sectors in the region with offices in Stuttgart and Freiburg. Established in 1997, the main goal of the network organization is to foster key-technologies in order to strengthen the region's economic development. Therefore, the focus of bwcon lies on information and communication technologies (ICT) which are seen as the innovation drivers for other industrial fields, such as mobility, production, health care and energy.</p> <p>Today, bwcon connects more than 600 member companies and research institutions, represented by a honorary board composed of distinguished personalities. This eco-system creates a truly unique platform for cross-sector cooperation between developers, users and investors.</p>	0711-18421601 jaehnert@bwcon.de		
BICCnet Bavarian Information and Communication Technology Cluster	Germany	Oberbayern	Information Technology and Analytical Instruments	<p>BICCnet, the Bavarian Information and Communication Technology Cluster, aims to activate and interlink the innovation and productivity potential of the Bavarian enterprises, research centres and universities. And to connect the cluster ecosystem to collaboration partners in Europe.</p> <p>BICCnet is responsible for:</p> <ul style="list-style-type: none"> • Formation of networks between companies, universities and research institutions using, 	<p>Christian Thiel Internationalisation Responsible thiel@bicc-net.de</p> <p>Sascha Stöppelkamp Cluster Manager stoeppekamp@bicc-</p>	http://www.bicc-net.de	YES

				<p>integrating, supplementing and extending existing structures;</p> <ul style="list-style-type: none"> • Increasing the competitiveness and innovative dynamism of the economy; • Creating platforms to exchange experiences between companies and research and giving impulse to intensive co-operations; • Strengthening and making dynamic the influence of current research challenges, particularly for medium-sized companies and, in the other direction, to increasing and accelerating the influence of research results on products and processes; • Catalytic effect of the cluster on co-operation between companies as well as between companies and research; • Bringing Bavarian actors in contact with partner cluster ecosystems in Europe. 	net.de		
Cap Digital	France	Île de France	<p>Communications Equipment and Services</p> <p>Distribution and Electronic Commerce</p> <p>Information Technology and Analytical Instruments</p>	<p>Cap Digital was created as a result of a public policy for the development of economic sectors with strong growth potential located in the same geographical area. Since 2009, the cluster has been implementing the Paris Region's strategy for digital content and services, supporting innovative SMEs in this field.</p> <p>Our 1000 members are primarily innovative SMEs but also major universities, higher education establishments, research labs, and corporations focused on a specific technology-driven industry (Triple helix cluster).</p>	<p>Manuella Portier ECCP Responsible Person +33 1 40 41 11 60 manuella.portier@capdigital.com</p>	www.capdigital.com	YES

				Our members represent French digital industry's most active players.			
Clúster Digital de Catalunya	Spain	Catalonia	Communications Equipment and Services Distribution and Electronic Commerce Information Technology and Analytical Instruments	The Cluster TIC Digital's mission is to catalyse the resources of ICT catalan sector, by multiplying their individual capabilities and taking profit of the synergies existing between the agents, contribute to the development of the companies by increasing their competitiveness and turnover with new products and intensives services of knowledge and high added value, as well as positioning the Cluster and its members as a reference of collaborative innovation at local and international level.	Joan Puate +34 636 075 644 joan.puate@clusterdigital.cat	www.clusterdigital.cat	YES
DSP Valley	Belgium	Vlaams-Brabant	Information Technology and Analytical Instruments	DSP Valley brings together the triple helix parties: companies, research institutes, the regional authorities together with other relevant stakeholders (investors, service providers, users, ...) that play an important role in the entire value chain of smart solutions enabled by digital technologies. The mission of DSP Valley is to improve the competitiveness and to accelerate the growth of the cluster by setting up activities and services that support the cluster members in: 1. Building emerging and cross-disciplinary value chains 2. Getting access to the international and global market 3. Getting access to the required resources: i.e. state of the art technology and competences or public and private funding	Peter Simkens +32 16 24 14 40 peter.simkens@dspvalley.com	www.dspvalley.com/	YES

Estonian ICT Cluster	Estonia	Eesti	Information Technology and Analytical Instruments	Estonian ICT cluster is the main force to support ICT companies' cooperation and development in Estonia. It is ICT enterprises co-operation platform, which objective is to increase the usability of ICT in other economic sectors of domestic and foreign markets. Through this, we aim to foster the development of new solutions, the creation of new products, and to improve the companies' competitive ability in the international market.	Maarja Rannama +372 555 82672 maarja.rannama@itl.ee	www.itl.ee/Eng	YES
HSD. The Hague Security Delta	Netherlands	The Hague	Cyber security, national and urban security, protection of critical infrastructure, and forensics.	The Hague Security Delta forms partnerships and creates knowledge bridges with the main global security clusters in the USA, Canada, Singapore and South Africa. Besides, It has strong ties to the main European security regions and Brussels, making the Netherlands the secure gateway to Europe.	+31(0)70 2045180 info@thehaguesecuritydelta.com	https://www.thehaguesecuritydelta.com	YES
High Tech NL	Netherlands	Noord-Brabant	Education and Knowledge Creation Information Technology and Analytical Instruments Production Technology and Heavy Machinery	High Tech NL is the sector organisation by and for innovative Dutch high-tech companies and knowledge institutes. High Tech NL is committed to the collective interests of this sector with a focus on long term innovation and international collaboration. Members share their knowledge, look for ways to cooperate and use the powerful network to become successful innovators.	Ben van der Zon +31885554333 ben.van.der.zon@hightechnl.nl	www.hightechnl.nl/international	YES
IKT Telemark	Norway	Sør-Østlandet	Information Technology and Analytical Instruments	IKT Telemark helps member businesses to grow through collaboration and joint resources in a) competence and knowledge development, b) innovation and business development and c) sales and marketing.	Torkild Follaug +4797590119 tf@ikttelemark.no	http://www.ikttelemark.no/	YES

Irish Software Innovation Network (ISIN)	Ireland	-	Business Services Financial Services Information Technology and Analytical Instruments	Mission - To make Ireland a Global ICT Powerhouse.	Dave Feenan +35316051550 dave.feenan@ibec.ie	http://www.isin.ie/	YES
LSEC - Leaders in Security	Belgium	Vlaams-Brabant	Aerospace Vehicles and Defense Communications Equipment and Services Information Technology and Analytical Instruments	European centre of expertise on ICT security and cyber security, bringing together both ICT security vendors, end users, researchers and policy makers. Supporting the European Cyber Security expertise in Europe and in the rest of the world. Innovating by means of security in various vertical domains such as payments, financial services, Fintech, healthcare, ICT, manufacturing, automation, automotive and smart technologies. LSEC is the foundation of the European Gateway to Cyber Security (G2CS), via partner clusters in UK, Germany, Netherlands, Spain, Czech Republic and Italy, connecting to both local cyber security experts from integrators and researchers private and academic and through their customers and ict security professionals of large corporates.	Ulrich Seldeslachts +32475713602 ulrich@lsec.eu	https://www.leadersinsecurity.org/	YES
Digital League	France	Rhône-Alpes	Business Services Communications Equipment and Services Information Technology and Analytical Instruments	Created from the fusion of Clust'R Numérique and Numélink, it gathers up 300 members, mainly small and medium companies. The cluster's first aim is to stimulate innovation by developing joint projects; therefore the Digital League already has a wide experience in partnership building aiming at the development of new goods/services. It also aims at sharing of resources and implementation of	Maud CHARAF +3306 62 63 39 27 contact@digital-league.org	www.digital-league.org	YES

				<p>collective actions, and anticipating future developments and proposes accordingly any solution to increase the level of activity and efficiency of the ICT sector.</p> <p>So, Digital League aims to:</p> <ul style="list-style-type: none"> - Stimulate innovation by developing joint projects - Foster partnership building aiming at the development of new goods/services - Make easy the access market for IT companies - Anticipate technological development, uses and market changes in order to help out SMEs to adjust their offers. - Promote the international development 			
Secured Communicating Solutions cluster	France	Provenc e-Alpes-Côte d'Azur	Information Technology and Analytical Instruments	<p>Our Ambition : Develop the first European and one the 3 leading worldwide ecosystem on our 3 Smart Specialisation Areas, contactless technology; networks, IoT & mobile services; security & digital identity</p> <p>Our Strategy</p> <ul style="list-style-type: none"> - Generate technology breakthroughs in our 3 smart specialization areas by leading our ecosystem activities on innovation challenges, with a special focus on our SME's - Convert and deploy those innovations into products & services to create competitive positions in WW industries and markets - Be a known and appreciated partner by major 	Georges Falessi +33489866934 georges.falessi@pole-scs.org	http://en.pole-scs.org/	YES

				<p>international companies, clusters and public institutions in order to engage our ecosystem in business relationships that create value</p> <p>- Focus those actions for the SME's by providing services resolving their issues from innovation to business achievements</p>			
SIIT Scpa	Italy	Liguria	<p>Information Technology and Analytical Instruments</p> <p>Production Technology and Heavy Machinery</p> <p>Transportation and Logistics</p>	<p>SIIT S.c.p.a. is a Technological District created in 2005 with the aim of creating an integrated system for the development of industrial research activity and its related training. This achievement is intended to benefit large industries, small and medium enterprise, the University of Genoa, diverse public institutions, research institutions and finance companies. In total, 115 industrial and academic entities, based on the regional territory, are participating to SIIT. In this environment, in particular, 95 PMIs are participating to the SIIT governance, through an opportune representative in the Board of Director and in the Technical Scientific Committee. SIIT aims to create a virtuous circle among talented individuals, companies and financing, both public and private, in order to develop competitive research that could lead to strong industrial innovation</p>	<p>MARCO CESENA</p> <p>+39 3357127639</p> <p>cesena@siitscpa.it</p>	<p>www.siitscpa.it</p>	YES
Silicon Alps Cluster GmbH	Austria	Kärnten	<p>Automotive</p> <p>Information Technology and Analytical Instruments</p> <p>Production Technology and Heavy</p>	<p>The Silicon Alps Electronic Cluster is a public-private partnership that brings together Austrian players from industry, science and public authorities to develop and position the electronics and microelectronics sector with a regional focus on the locations Carinthia and Styria. The Silicon Alps cluster regards itself as a long-term strategic alliance and a tool for cooperative,</p>	<p>Günther Lackner</p> <p>+436644184557</p> <p>guenther.lackner@silicon-alps.at</p>	<p>http://www.silicon-alps.at/</p>	YES

			Machinery	efficient and business-oriented location development.			
Silicon Saxony	Germany	Dresden	Communications Equipment and Services Information Technology and Analytical Instruments Production Technology and Heavy Machinery	<p>Silicon Saxony was founded as a network for the semiconductor industry in Dresden in 2000. Since then, this initiative, having started with 20 partners, has grown into a huge network. Today Silicon Saxony is one of Europe's most successful trade association for the semiconductor, electronic, microsystems and software industries. The number of members has risen to 320 at present. Silicon Saxony connects manufacturers, suppliers, research institutes, universities and public institutions along the ICT value chain.</p> <p>In order to create effective and efficient networks the association enables vibrant forums for its members and specialists. These work groups are an essential driving force in the development of new technologies and procedures, e. g. cyber-physical-systems</p> <p>With the objective of strengthening the sustainability of the business region as a location for information & communication technology (ICT) at both the national and international level, the association sees itself as a communication and cooperation platform for its members.</p>	Frank Bösenberg +49 351 89 25 800 frank.boesenberg@sili con-saxony.de	http://www.silicon-saxony.de/	YES
Systematic Paris-Region	France	Île de France	Communications Equipment and Services Information Technology and Analytical Instruments	With its Open Innovation focus, the Systematic Paris-Region international competitiveness cluster is there to bring together and promote an ecosystem of excellence that counts over 800 members. Systematic connects stakeholders from software, digital and industry, and boosts digital projects through collaborative innovation,	Karine Jacq+33 1 331 69 08 06 81 karine.jacq@systematic-paris-region.org	http://www.systematic-paris-region.org/	YES

				SME development, networking and business sourcing, across a range of future growth sectors: energy, telecoms, healthcare, transport, information systems, factory of the future, digital city, and security. The cluster is also there to promote its members, its region and its innovation projects, with the aim of raising their profile and enhancing the attractiveness of the geographical territory and ecosystem.			
tech UK	United Kingdom	-	Information Technology and Analytical Instruments	<p>techUK has a clear, simple mission</p> <p>Make the UK good for tech: Ensure that the UK is the best place in the world for technology companies (both domestic and foreign owned) to locate and grow</p> <p>Make tech good for the UK: Ensure that the full economic potential of technology is harnessed right across the economy</p> <p>Make tech good for people: Ensure that technology is used to improve and enhance the quality of life of all consumers and citizens</p>	+01622 754200 international@techuk.org	http://www.techuk.org/	YES
AEI Conocimiento Asturias / Innovative Knowledge Business Association of Asturias	Spain	Asturias	Communications Equipment and Services Education and Knowledge Creation Information Technology and Analytical Instruments	To promote technological development, innovation, knowledge management and applied research in the field of knowledge society, contributing to its partners growth through the adoption of collaborative strategies aimed at promoting research, the introduction of new technologies and the implementation of innovations within the scope of their respective business activities, to increase productivity and competitiveness	Pablo Coca / Fidel DiezInternationalisation Responsible +34 984 291 212 pablo.coca@fundacionctic.org / fidel.diez@fundacionctic.org	http://aeiconocimiento.org	NO

AEROSPACE VALLEY	France	Midi-Pyrénées	Aerospace Vehicles and Defense Information Technology and Analytical Instruments	Created in 2005, with today 827 members from both industry and academia, Aerospace Valley is the most significant innovation competitiveness cluster in France in the field of aeronautics, space and embedded systems. With offices in Toulouse (HQ) and Bordeaux, the cluster covers the two geographically adjacent regions of South-West France, Occitanie and Nouvelle-Aquitaine. With 124,000 industrial employees, Aerospace Valley represents around 1/3 of the French aerospace workforce. Similarly, 8,500 researchers and scientists are active within the Aerospace Valley territory, thus representing 45% of French national R&D potential in the aerospace sector. As of October 2016, Aerospace Valley has obtained funding for 474 R&D projects representing an accumulated value of 1.1 billion Euro covering most scientific and technical fields related to the sectors of aerospace. Within the framework of the general French “pôle de compétitivité” program, which aims at stimulating employment by fostering local and regional competencies in technical and economic areas, Aerospace Valley strives to create an ambitious 35-40,000 new jobs by the horizon year 2025.	Philippe LATTES Internationalisation Responsible +33 6 38 81 37 17 lattes@aerospace-valley.com	http://www.aerospace-valley.com	NO
Albanian ICT Association	Albania	-	Information Technology and Analytical Instruments	The GIVE partnership general objective is to build up strategic cluster partnership in the field of green smart technologies among the three industries: automotive, renewable energy and ICT. The specific objectives are: <ul style="list-style-type: none"> To create new value chain and favorable framework for establishment a sustainable cross-industry strategic cluster partnership in 	Dritan Mezini Cluster Manager +355692077847 dmezini@aita-al.org	http://www.aita-al.org	NO

				<p>the field of green smart technologies by implementation of partnership building and collaboration activities.</p> <ul style="list-style-type: none"> • To build up sustainable strategic cluster partnership based on development of GIVE internationalization and strategy and implementation road map. • To promote GIVE strategic cluster partnership and increase the online promotion of GIVE partners by implementation of identity shaping, communication, promotion and online social networks and media activities. 			
ALPHA-RLH Route des Lasers et des Hyperfréquences	France	Aquitaine	<p>Aerospace Vehicles and Defense</p> <p>Information Technology and Analytical Instruments</p> <p>Lighting and Electrical Equipment</p>	<p>ALPHA - Route des Lasers & des Hyperfréquences (ALPHA-RLH) is a newly formed technology cluster specializing in photonics, lasers and microwave technologies. It is the result of a merger on 1st January 2017 between two French competitiveness clusters, Route des Lasers and Elopsys.</p> <p>Based in Bordeaux and Limoges, the cluster is focused on 2 technological fields: Photonics-Laser (laser sources and processes, optical components, instrumentation) and Microwave (integrated electronics, radiocommunication systems, radar systems) and 4 strategic applications:</p> <ul style="list-style-type: none"> - Health (medical devices and autonomy): imaging, diagnosis and therapy techniques, technological solutions for people who have lost their independence, - Communication and security: components or systems for data transmission, data and network security, - Aerospace and defence: embedded 	Olivier Girel Internationalisation Responsible O.girel@alpha-rlh.com	http://www.alpha-rlh.com	NO

				<p>optical/optoelectronic systems, innovative solutions for shaping materials, communication, navigation, and lighting,</p> <p>- Energy and smart building: solar technology, lighting solutions, energy efficiency, energy storage, connecting or connected devices for buildings.</p> <p>Digital technology represents a cross-disciplinary activity. It covers digital interfaces, image processing and synthesis, data security and sharing, along with intelligent connecting objects.</p> <p>Through aggregate skills and expertise, ALPHA-RLH aims to become the French reference cluster in photonics, lasers and microwave technologies. It will enable the cluster to bring out innovation collaborative projects and enrich the support provided to SME members exporting to global markets.</p>			
Artificial Intelligence Technology Cluster (DI-TECH)	Lithuania	Lietuva	Distribution and Electronic Commerce Information Technology and Analytical Instruments	<p>- To earn profit for all Partners participating in the Cluster by taking advantage of the variety of tools maintained by the Cluster, including but not limited to the knowledge base, know-how, professional competence and sales platform;</p> <p>- To store the knowledge base necessary for the expansion of the Cluster, research and development (R&D) activities as well as different other joint operations and share the said knowledge base within the Cluster;</p>	<p>Rytis Laurinavičius Cluster Manager +37068699430 rytis@soudest.lt</p> <p>Justinas Mereškevičius Project Manager justas@soundest.lt</p>	www.ditek.lt	NO

				<ul style="list-style-type: none"> - To accumulate all sorts of professional competence and share it within the Cluster during meetings, seminars and consulting sessions; - To increase the competitive ability of the Cluster participants in the market by taking advantage of the accumulated knowledge base, diversified competencies, engaging in internal projects and using other tools available in the Cluster; - To create additional value added through development of new products and services or through improvement of the existing ones by taking advantage of the know-how and competence accumulated in the Cluster. 			
Asociación Cluster Granada Plaza Tecnológica y Biotecnológica	Spain	Andalucía	Biopharmaceuticals Information Technology and Analytical Instruments	<p>MISSION</p> <p>Promotion of Innovation Development of R & D projects Encourage the transfer of knowledge Attract investment. Create zones or exploit the use of existing zones where companies are grouped. Encourage the generation of qualified employment. Improve the quality of life of citizens.</p> <p>VIEW</p> <p>On Granada Tech City aims to place companies in the</p>	Antonio Alcantara Cluster Manager +34958534041 antonio@ongranada.com	http://www.ongranada.com/en/	NO

				<p>ICT and Science and Technology sectors applied to Health in a position of leadership at national and international level as well as contribute to the development of the technological center of Andalusia.</p> <p>Objectives</p> <p>Promotion of Innovation</p> <p>Development of R & D projects</p> <p>Encourage the transfer of knowledge</p> <p>Attract investment.</p> <p>Create zones or exploit the use of existing zones where companies are grouped.</p>			
Brainport Development - High Tech Software cluster	Netherlands	Noord-Brabant	Information Technology and Analytical Instruments Production Technology and Heavy Machinery	The High Tech Software Cluster takes care of recognizability and visibility of her member companies nationally and abroad, and offers a platform on which new products & services that meet the conditions of the present and future markets (from manufacturing to Smart Industry 4.0) are very rapidly and innovatively developed. These new products and services create value for companies that are active within the HTSM sector (High Tech Systems & Materials) and contribute to strengthening competition and innovation power of her customers.	Wim Renders 0031643169863 w.renders@brainportdevelopment.nl	www.brainport.nl/hightechsoftwarecluster	NO
BrainsBusiness - ICT North Denmark	Denmark	Nordjylland and	Communications Equipment and Services	Our mission is to strengthen and develop the ICT environment in North Denmark - for the benefit of business, municipalities, region,	Birgit Pia Nøhr Cluster Manager	http://www.brainsbusiness.dk/	NO

			Information Technology and Analytical Instruments Transportation and Logistics	research and educational institutions.	+4599408085 bpn@brainsbusiness.dk		
Bydgoszcz IT Cluster	Poland	Kujawsko-Pomorskie	Information Technology and Analytical Instruments	BKI is an organisation of IT industry companies and universities based in Bydgoszcz. Mission of the association is to take measures in order to further cooperation between entrepreneurs and research institutions, as well as increase competitiveness and innovation. Moreover, its members take actions in order to create systems supporting entrepreneurs, promote IT as a key industry for the region, build up the prestige and development of higher education, and activate the labor market in the ICT sector.	Mirosława Jurgiel +48525065650 zarzad@bki.org.pl	http://www.bki.org.pl	NO
Canarias Excelencia Tecnológica	Spain	Canarias	Information Technology and Analytical Instruments	We promote the idea that ICT is key to economic and social progress. We encourage the maturation and consolidation of the IT sector in the Canarias by facilitating the development of innovative products and services aimed at national and international markets.	Patricia Fraile +34648484559 pfraile@clustercet.com Carmen Armas redcide@clustercet.com	http://www.canariasexcelenciaticnologica.com/	NO
Cluj IT Cluster	Romania	Nord-Vest	Education and Knowledge Creation Information Technology and	Founded in octomber 2012, Cluj IT is an innovation based value chain network of Romanian IT companies and related organizations with the purpose of increasing the competitiveness and growth of IT services and products on international markets and of forging a	Andrei Kelemen +40-755-122057 andrei.kelemen@clujit	www.clujit.ro	NO

			Analytical Instruments Transportation and Logistics	<p>strong sustainable public – private partnership in order to improve the life quality of the community we are part of. Cluj IT Cluster also strives towards the enhancement of innovation capabilities of our members, in particular, and of the Romanian IT industry in general. Our focus is on:</p> <ul style="list-style-type: none"> • Creating a collaborative culture based on trust and reliability • Fostering entrepreneurship • Promoting Romanian IT solutions and services abroad and become known as a centre of excellence in IT • Forging strong and long lasting partnerships for the mutual benefit of our members and society in general • Support and create opportunities for Cluj IT members to work on large international projects. 	.ro		
Cluster Galicia	TIC	Spain	Galicia	<p>Information Technology</p> <p>The Galician ICT Cluster, known as Cluster TIC Galicia, is a private non-profit business association led by Industry and founded in 2008 to bring together companies, business associations, professional associations and other stakeholders from the Galician ICT sector. It is active in the whole value chain of the ICT macro sector and works closely with the Galician Universities and Research Centres.</p> <p>Cluster TIC Galicia main mission is to bring together all Galicia ICT sector stakeholders to boost competitiveness, innovation, new market opportunities, internationalisation and the effective cooperation between Public Administrations, Businesses and</p>	+34 881 939 651 info@clusterticgalicia.com	http://www.clusterticgalicia.com	NO

				Research Institutions.			
Compare Competence area ICT	- Sweden	Norra Mellansverige	Information Technology and Analytical Instruments	<p>Our main focus is to find a way to match our ICT companies with small- and midsized enterprises that wants to develop their business through digital transformation. This is also a challenge in the public sector in which we are working closely with the municipality of Karlstad and the county of Värmland to find ways to have the ICT companies support the public sector when implementing digital technology in their organizations.</p> <p>We also work for the need of support of competens for the companies in our cluster. We do this by collaboration with the university in Karlstad, other schools with IT education and networks around the region. We are focusing on a way to integrate the refugees, with a university degree or great experience in IT, into the Swedish ICT companies to increase the diversity and create new business opportunities through new networks and new knowledge.</p>	Magnus Bårdén +46708155665 magnus.barden@compare.se	www.compare.se	NO
Control & IT Cluster	Romania	Bucureşti - Ilfov	Communications Equipment and Services Information Technology and Analytical Instruments	Par excellence, the professional and business activity of Control & IT cluster, has its main focus, without being exclusive, in the field of processes guidance and control, associated services of any kind, respectively, in Technology Information and Communications, Electronics, High Tech as well as Key Enabling Technologies. Considering the smart specialisation in IT, the cluster envisages primarily the following directions: e-Energy, e-Government, eHealth, eClimate, e-Creative	Iorgulescu Flaviu 0040723531741 marketing@inpulse.ro	www.control-it.ro	NO

				<p>Industries, e-Agriculture etc.</p> <p>The main objective of the cluster is to provide a general framework for industry specific projects, products and services development through cooperation, collaboration, partnerships and any other form of effective support, know-how creation with minimal cost, development of modern technologies, environmentally friendly verification and implementation, both within the cluster and throughout the economic environment.</p>			
Cool Silicon e.V.	Germany	Dresden	Business Services Communications Equipment and Services Information Technology and Analytical Instruments	<p>Cool Silicon, established in the framework of the "Spitzenclusterwettbewerb" (Leading-edge cluster competition) of Germany, is located within "Silicon Saxony" and deals with R&D in the field of energy-efficient ICT, covering the entire value chain of micro-/nanoelectronics from automated production equipment up to energy efficient sensor networks.</p> <p>Our mission is to create new solutions for the Internet of Things, supporting in particular SMEs in establishing (also international) R&D collaborations. Key members are the Technical University of Dresden, several institutes of Fraunhofer as well as large industry players such as Infineon or Globalfoundries.</p>	Frank Bösenberg +49 351 8925800 frank.boesenberg@cool-silicon.de	www.cool-silicon.de	NO
CyberForum e.V.	Germany	Karlsruhe	Information Technology and Analytical Instruments	<p>FROM THE NETWORK, FOR THE NETWORK ... is the maxim that inspires the CyberForum. In the center of our attention lies the exchange of experiences, knowledge, contacts and ideas. Here, exciting business ideas take off, businesspeople meet like-minded,</p>	Tamara Högler 0049 72160289729 hoegler@cyberforum.de	www.en.cyberforum.de/home	NO

				(natural) scientists and technology freaks make contact with economically driven people, creative minds and business angels. In short, in the CyberForum “being part of it” truly means being part of a network that offers much more than just business contacts. It represents the excitement to create new things and improve on the status quo, and the openness to lead frank discussions about topics such as the latest technological developments to the inner motivational drivers of employees. And further, the strong conviction that diversity is the driving force, which makes the CyberForum a unique network.			
Dataföreningen i Norr	Sweden	Övre Norrland	Information Technology and Analytical Instruments	<p>Skellefteå shall be a leading actor regarding digitization of society. Digitization will be the region's main growth engine based on close cooperation with business, research, government and citizens.</p> <ul style="list-style-type: none"> - Strive for increased recruitment to the industry by increasing young people's interest in ICT and helping universities to develop existing and new programs. - Work with business development, internationalisation and innovation - cross-fertilization between members and other lines of business by taking part in development projects and collaboration with municipality, region and other clusters. - Create publicity for the ICT industry by promoting the industry locally and putting Skellefteå and its ICT industry on the European map. - Develop existing resources within the industry by 	Leif Häggmark +46 70 606 23 25 leif.haggmark@skebit.se	www.dfinorr.se	NO

				organising joint training, inspiration lectures, seminars and conferences.			
Different Angle Cluster	Romania	Bucureşti - Ilfov	Information Technology and Analytical Instruments	Promote and support research, innovation and education in order to develop and implement solutions and projects for smart city area.	Marius Hanganu 0040722253471 marius.hanganu@differentangle.ro	differentangle.ro/	NO
GAIA.- Association of Knowledge and Applied Technologies industries in the Basque Country	Spain	Basque Country	Education and Knowledge Creation Electric Power Generation and Transmission Information Technology and Analytical Instruments	MISSION - To promote all the aspects of development and growth related to the Electronics, IT, Telecommunications, Engineering and Consulting sectors. - To defend the legitimate interests of member companies. - To favour the assimilation and efficient usage of advanced technologies by the Basque Country as a region, with the aim of collaborating with the development of an Information and Knowledge Society. - To be recognised as the most committed private and independent institution to the development of the electronics and ICTs that it represents with a rational and efficient usage of products and services based on those technologies, in the Basque Country. VISION - To be the most important reference as an association, which integrates efforts and skills in the referred technologies in the Basque Country.	Jokin Garatea +34 943316666 garatea@gaia.es	www.gaia.es	NO

				<p>- To be the association that represents the largest number of companies in Spain, in the European Union and in the global market, through its own actions and possible collaborations as equals with other institutions.</p> <p>- To be an active and dynamic agent that reflects the image of the Basque Country as a technologically advanced society, commercially flexible and committed to society, and to be a key element to the internationalisation of its member companies.</p>			
i2CAT	Spain	Catalonia	Automotive Information Technology and Analytical Instruments	<p>Brings together engineering, manufacturing (OEM and TIER1), technology providers, associations, investigation centers, universities, and the Administration with the clear objective to identify, develop and promote best practices around Industry 4.0 (also known as Industrial Internet).</p> <p>Companies and the whole value chain actively participate in an open innovation process, detecting need that can hardly be solved by themselves alone. Therefore, multidisciplinary groups are created to design and build collaborative solutions that help organization achieve their business needs.</p>	<p>Silvia Castellvi +34935532510 Silvia.castellvi@i2cat.net</p>	http://www.anelaindustrial.cat/	NO
ICT Technology Network Institute	Slovenia	-	Business Services Communications Equipment and Services Information Technology and	<p>Our mission is to develop and manage the digital transformation ecosystem in the region and connect ICT industry to vertical and traditional industries in order to create new value chains and support innovation.</p> <p>ICT Technology Network (ICT TN) was established in 2003 as a consortium of leading Slovenian companies</p>	<p>Nina Sega Internationalisation Responsible +38659377772 nina.sega@ict-slovenia.net</p>	www.ict-slovenia.net	NO

			Analytical Instruments	and research institutions in the field of ICT. Today, it brings together app. 40 partners; its activities are coordinated by the ICT TN Institute. By joining together companies, R&D institutions, technology developers, technology users, service providers and governmental agencies, ICT TN forms an ecosystem (Triple Helix cluster with a bronze cluster management excellence label) for establishment, organization, implementation and dissemination of collaborative national and international projects focusing on joint R&D, cluster and intercluster development, technology transfer, innovation management, infrastructure and competence building, policy enforcements, living labs and pilot activities. In 2010, ICT TN established the Competence centre “OpComm” which activities are related to Future Internet and Internet of things.			
IDM Ecosystem ICT & Automation	Italy	SüdTirol	Information Technology and Analytical Instruments	<p>The ICT & Automation ecosystem concentrates on establishing the “SMART Green Region South Tyrol”, in which entrepreneurs, researchers and citizens use and develop digital technologies in order to improve the quality of life. The ecosystem supports firms in all sectors to make use of the opportunities offered by digitalisation. To achieve this, the ecosystem is especially focussed on the use of “open technologies”, as these in particular allow for investment in the competences of the workers. At the same time, international opportunities available to firms through the internet will be investigated.</p> <p>The ecosystem is striving for the digitalisation of all</p>	Patrick Ohnewein +39 0471 094 207 patrick.ohnewein@idm-suedtirol.com	http://www.idm-suedtirol.com/	NO

				sectors, in particular by the use of open technologies. The aim is to improve the quality of life using information technology and automation.			
INEO	Spain	Galicia	Communications Equipment and Services Information Technology and Analytical Instruments	Ineo: three ideas, one aim: INEO's main aim is to develop Galician ICT business by strengthening its innovative and technological profile. This requires close co-operation between partners, which is the base of our association. Ineo believes in PROXIMITY , which gives us sound knowledge of daily needs of the market and places us in a privileged position to be able to offer ADDED VALUE services for the companies to be more competitive. This enables our members to reach quality and success. SUCCESS based on professionalism and well-thought-out work. We serve everybody who is striving for excellence in everything they do, just like us!	Luis Rey Fernández-Arruty +34986112570 direccionoperaciones@ineo.org	http://www.ineo.org/en/	NO
InnoZent OWL e.V.	Germany	Detmold	Information Technology and Analytical Instruments Production Technology and Heavy Machinery	InnoZent OWL e.V., founded in 1998, has made it its core task to network different competences of and with companies, science and research, politics and administration. Likewise, organisation of market places and projects, as well as contributions to the development of competences, are part of the network portfolio.	Michael Kemkes +49 5251 87 94 691 mkemkes@innozentowl.de	http://www.innozentowl.de/	NO
International Security Cluster	Lithuania	Lietuva	Aerospace Vehicles and Defense Education and Knowledge Creation Information Technology and	International Security Cluster promotes informational and physical security as the top priority of any business and science activities.	Aurimas Navys +37061631295 aurimas@securitycluster.eu	http://securitycluster.eu/	NO

			Analytical Instruments				
IT CLUSTER SERBIA	Serbia	Belgrade	Agricultural Inputs and Services Business Services Information Technology and Analytical Instruments	<p>Vision of IT Circle Cluster is coordination and integration of methods and resources to create an organization that can appear on the market as an authority and a regional leader and to accomplish more complex projects in Serbia and the EU. Our vision also is to become the most reliable supplier of innovative IT services, products and organizational support systems.</p> <p>Mission of IT Circle Cluster is a common appearance in the market with the aim of achieving greater competitiveness of its products and achieving synergy effects for the benefit of all members and the local and regional community. The mission includes making Belgrade and Serbia more attractive for investors and young people by building strong and visible brand of IT Circle Cluster.</p>	Nemanja Milivojevic +381 60 44 111 54 itclusterserbia@gmail.com	http://itclusterserbia.com/	NO
IT&C Cluster "Lower Danube"	Romania	Sud-Est	Information Technology and Analytical Instruments	<ul style="list-style-type: none"> •Increase the capacity of research - development (R & D), stimulating cooperation between institutions of research - development and innovation (RDI) and enterprises and increase access of companies to CDI •Identify and promote initiatives that generate innovative products and services. •Generate research, development and innovation projects •Organize training programs, qualification and improvement open for the specialized cluster 	Arama Catalin +40744222412 catalin.arama@clusterit.ro	http://www.clusterit.ro/	NO

				<p>members and also for all that are interested.</p> <ul style="list-style-type: none"> •Represent the IT&C interests in front of any state institution. 			
Klaster B+R&I	Poland	Dolnośląskie	<p>Business Services Education and Knowledge Creation</p> <p>Information Technology and Analytical Instruments</p>	<p>Mission: Building an innovative knowledge-based economy through the intelligent management of research and development.</p> <p>Primary goal: Mutual cooperation of enterprises, business associations, non-profit organizations, research institutes and the other for the implementation of joint projects and ventures.</p> <p>Cluster of Research and Development and Innovation (Cluster R+D&I) has been reorganized at the beginning of August 2014. Cluster dating back to 2011 as a grassroots initiative of companies introducing innovations to the Polish Economy. The coordinator of the Cluster is the Foundation for the Development of Science and Business in the Area of Medical Sciences and Strict (Fundacja Rozwoju Nauki i Biznesu w obszarze Nauk Medycznych i Ścisłych).</p>	<p>Piotr Kardasz +48793064933 piotr.kardasz@pwr.wroc.pl</p>	http://www.klasterbri.pl/	NO
Klaster.info	Poland	Mazowieckie	<p>Business Services Information Technology and Analytical Instruments</p>	<p>The mission of Klaster.info is competes with international companies and the desire to systematically enlarning domestic and foreign markets by raising competitiveness. We want our offer brings you the alternative. Our Cluster creates the conditions to make a strong ICT Development of Industry, encourages innovation, stimulates the development of cooperation, pursues common objectives of members of the association. We want to develop international</p>	<p>Julia Bosakirska (+48) 22 173 50 00 jbosakirska@klaster.info</p>	Klaster.info	NO

				cooperation, especially in the region (understood primarily as the eastern and southern part of Europe and the Baltic States) , but also in more remote areas , such as Israel or South America. Therefore implemented by the Coordinator of the Cluster project assuming optimization Business processes Polish SME Cluster members work closely together in the field of Business Advisory and Information for more than five hundred small and medium enterprises across the country.			
Košice IT Valley	Slovakia	Východné Slovensko	Information Technology and Analytical Instruments	The vision of Košice IT Valley cluster is creating regional partnership of IT companies, education institutions and regional authorities that will contribute to extension and quality increase of educational programs, creation of broad portfolio of job opportunities for qualified work force and the elaboration of a common strategy necessary for achieving prosperity of the region of Eastern Slovakia and thus ensuring gradual increase of quality of life of its citizens. The main objective of Košice IT Valley cluster is to create conditions for the development of the IT industry and thus improving the quality of life in Eastern Slovakia.	Andrea Kalafusova +421948724869 andrea.kalafusova@itvalley.sk	http://www.kosiceitvalley.sk/en/	NO
Kyiv IT Cluster	Ukraine	Kiev	Business Services Education and Knowledge Creation Information Technology and Analytical Instruments	KYIV IT Cluster is a non-profit organization, whose aim is to unite and develop the whole IT community of Kyiv, the capital of Ukraine and the area with the most IT potential in the country. We have several projects aimed both on educating the community, building relationships with our local authorities and also - on helping local companies to promote and establish partnerships with abroad companies.	Igor Arkhypenko +380633063060 igor@itcluster.kiev.ua	http://itcluster.kiev.ua/	NO

Latvian Cluster	IT	Latvia	Latvija	Education and Knowledge Creation Information Technology and Analytical Instruments	<p>Latvian IT Cluster vision: To be and effective partner for initiatives and activities that are focused on Latvian Information and Communication Technologies sector development and on increasing international competitiveness.</p> <p>Mission: Promoting collaboration of companies in the field of Information and Communication Technologies industry and other interested partners, especially development of cross-sectoral cooperation to increase each company and industry competence and competitiveness.</p> <p>Long-term goal: To promote the development and international competitiveness of information and communications technology sector</p>	<p>Aiga Irmeja +37126428028 aiga.irmeja@itbaltic.com</p>	http://www.itbaltic.com/	NO
Mazovia Cluster ICT		Poland	Mazowieckie	Aerospace Vehicles and Defense Information Technology and Analytical Instruments	<p>The mission of the Mazovia cluster ICT is to bridge the gap between the action and conditions for SME's development in the metropolitan area and the rest of the Voivodship. Cluster accomplishes this mission by establishing and developing cooperation between sector of computer science enterprises, telecommunication, telecommunication and electronic media R&D units, universities and business institutions and local authorities in the area of Warsaw and outside metropolitan area.</p>	<p>Artur Radzio + 48 22 241 23 25 aradzio@klasterict.pl</p>	http://www.klasterict.pl/	NO
Minalogic		France	Rhône-Alpes	Communications Equipment and Services Information	<p>Minalogic is a global innovation cluster for digital technologies serving France's Auvergne-Rhône-Alpes region. The cluster supports the region's leading innovators by facilitating networking, fostering</p>	<p>Isabelle Guillaume +33 4 38 78 19 47 isabelle.guillaume@mi</p>	http://www.minalogic.com/en/home	NO

			Technology and Analytical Instruments	collaborative R&D, and providing companies with personalized assistance throughout all phases of business growth. The products and services developed by our members address all industries, from ICT and healthcare to energy and advanced manufacturing.	nalogic.com		
Mobile Heights	Sweden	Sydsverige	Communications Equipment and Services Information Technology and Analytical Instruments	Mobile Heights is an industry driven networking community founded by Ericsson, Sony Mobile, Telia Company and the Regional council of Skåne and the universities of Lund, Malmö and Blekinge. Today a large number of companies and organizations from multiple industries cooperate to boost the business within the area of connected technologies. By investing in research, open innovation and entrepreneurship, the common vision is to maintain and strengthen the region as an international hotspot for connected technologie	Ola Svedin +46763356290 ola.svedin@mobileheights.org	http://www.mobileheights.org/	NO
NiCAT Cluster	Serbia	South and East Serbia	Distribution and Electronic Commerce Information Technology and Analytical Instruments	In today's world the IT and high technologies are the driving force of development. Our region is marked as a region with engineering culture. We believe that there is a huge potential and opportunity for success. An experienced cluster manager, committed board and active SMEs pursue 5 strategic directions leveraging all the potentials of regional stakeholders with the support of the City, and at the same time establishing links and cooperation with Regional and national agencies (RAS...), Development agencies (USAID, GIZ, EEN, SIPO....We believe in systematic approach and create systematic solutions.	Goran Mladenovic +381 62 442674 goran.mladenovic@nicat.org	http://www.nicat.org/index.php/sr/	NO
ProcessIT	Sweden	Övre	Information	Bring together actors focused on the 4th industrial	Per Levén	http://www.pro	NO

Innovations		Norland	Technology and Analytical Instruments Metal Mining Paper and Packaging	revolution in challenge oriented research and innovation collaborations	+46 90 786 70 65 Per.leven@umu.se	cessitinnovation.se/ Per.leven@umu.se	
Silesia ICT Cluster	Poland	Śląskie	Business Services Information Technology and Analytical Instruments	Cluster's mission is the formation of a strong and stable organization in Silesia Voivodeship being able to meet any need pertaining the fields of informatization, telecommunication and project engineering. Strategic goals: - Facilitation of access to domestic and European sources of funding; - Aggregation of informational and material resources and creation of consortia for R&D and application projects; - Support in the area of marketing and promotion; - Development of cooperation between members of the Cluster and other domestic and foreign entities.	Oskar Kunik 662290392 oskar.kunik@ict-silesia.pl	http://www.ict-silesia.pl/	NO
South Wales Cyber Security Cluster	United Kingdom	South Wales	Cybersecurity	The aims of the Cluster are two-fold:- - To support the members of the cluster by communicating National and International initiatives and trade opportunities, providing a networking platform to share ideas and best practice, encouraging collaboration and identifying partnership opportunities so that small cyber security specialist businesses in Wales can find new ways to grow.	John Davies 02920 647 632 jidavies@pervade-software.com	http://www.southwalescyber.net	NO

				- To support the Welsh Government's commitment to Cyber Security (and UK Government's Cyber Security Strategy) by building cyber security knowledge, skills and capabilities in the Region, to make businesses more resilient to cyber attacks and the Region one of the most secure places in the world to do business.			
System Science Innovation Cluster	Hungary	Közép-Dunántúli	Business Services and Education and Knowledge Creation Information Technology and Analytical Instruments	The primary aim of our Cluster is to connect research institutes, universities, enterprises and the industry as well as to create partnerships in Hungary and enable our members to enter international markets. System Science Innovation Centre Private Company Limited by Shares managing the Innovation Centre in Balatonfüred is our partner in delivering our strategy and aims. Our strategic goal is to establish a Centre for Research and Training Professionals through the combination of three key activities (Project Management + Research + Training) carried out at the Innovation Centre.	Gabor Ujhelyi +3687799300 info@pannonpolus.hu	http://www.pannonpolus.hu/	NO
tecnara	Spain	Navarra	Communications Equipment and Services Distribution and Electronic Commerce Information Technology and Analytical Instruments	The Aragón's ITC, Electronics and Telecommunications Companies Cluster, TECNARA, is the cluster initiative created in april 2011 in order to give answer to the requests of his associates for having better performances in competitiveness and internationalisation process.	Manuel Pérez 0034646480184 mperez@tecnara.es	www.tecnara.es	NO
UK IT Association	United Kingdom	-	Information Technology	Our services revolve around our themes of: More Business For You – Helping Businesses Make Better Tech Buying Decisions – Driving up Standards in	+44 2476 011446 info@ukita.co.uk	http://www.ukita.co.uk	NO

				our Sectors			
Vojvodina ICT Cluster - VOICT	Serbia	Vojvodina	Agricultural and Services Automotive Information Technology and Analytical Instruments	<p>The vision of Vojvodina ICT Cluster is Digital Serbia!</p> <p>On one hand, we want to mobilize resources of different stakeholders and use Serbian ICT sector international success, results and expertise to create conditions that will foster further development of ICT and bring about spillover effects on other industry sectors and society in general.</p> <p>On the other, we strive to increase visibility of Serbia as a very interesting alternative location for the development of sophisticated software, and put Novi Sad on the regional and European map as the hotbed for software solutions and products in this part of the world</p>	Milan Šolaja +381 63 644 033 milan.solaja@vojvodinaICTcluster.org	http://www.vojvodinaictcluster.org/	NO
Wielkopolska ICT Cluster	Poland	Wielkopolskie	Communications Equipment and Services Education and Knowledge Creation Information Technology and Analytical Instruments	<p>1. To boost collaboration and ICT research driven projects A) Number of successful project consortia created, B) Number of projects launched.</p> <p>2. To build strong and valuable relations within the cluster A) Number of events engaging the cluster members.</p> <p>3. To internationalize the brand of Poznan and Wielkopolska region and associated with ICT innovations A) Number of international and domestic alliances, B) Growth of export.</p>	Adam Olszewski +48 510117254 adol@man.poznan.pl	http://wklaster.pl/en/	NO

ANNEX B. CLUSTER QUESTIONNAIRE

Name of cluster:	
Country:	Address:
Number of members:	Legal form:
Type of members: Elija un elemento.	Range: Elija un elemento.

Strategy of the cluster:

How do you consider cybersecurity is aligned to your strategy? Elija un elemento.

Have you created an internal body focused on cybersecurity (workgroup, taskforce or similar)? Elija un elemento.

If yes, what is their mission?

Have you participated in R&I projects or organized events related to cybersecurity in the last 3 years? Yes

If yes, which ones?

Do you participate in cybersecurity networks, organizations or associations? Elija un elemento.

If yes, which ones?