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**AEGIS**

Advanced Big Data Value Chains for Public Safety and Personal Security

**WP6 - Dissemination and Communication**



# **D6.5 – Dissemination, Communication and Stakeholder Engagement and Data Management Handling Report - Final Version**

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## EXECUTIVE SUMMARY

The deliverable D6.5 is the final report pertaining the Dissemination, Communication and Stakeholder engagement activities of the AEGIS project, as well as the actions undertaken for the data management handling.

The detailed Dissemination and Communication Plan (DCP) and data management plans, described in the deliverables D6.1 (M3) and D6.3 (M6), constituted the guide towards the implementation of DC actions undertaken during the course of the project. The interim version of the DCP was provided on M18, in which we reported the progress towards achieving the defined objectives.

In this document, we collect and present all generated material and activities performed, report on the Key Performance Indicators (KPIs) from the first (M1-M12), second (M13-M24) and final (M25-M30) DC stages of the project, and then we provide a conclusive account and evaluation of the actions undertaken. Finally, the document includes a section on the open data management within the AEGIS project. Some selective results are the following: during the course of the project, the AEGIS website and social media accounts were visited more than 20,000 times from approximately 5,000 unique people. Seven external events were organized by consortium partners, while the project was represented in another 25 venues. Finally, 13 scientific publications based on results from the project were published.

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## **ABBREVIATIONS**

AAL	Ambient Assisted Living
AEGIS	Advanced Big Data Value Chains for Public Safety and Personal Security
BDVA	Big Data Value Association
D	Deliverable
DAD	Decide-Announce-Defend
DoA	Description of Actions
EFFRA	European Factories of the Future Research Association
H2020	Horizon 2020 Programme
ICT	Information and Communications Technology
IEEE	Institute of Electrical and Electronics Engineers
IFIP	International Federation for Information Processing
IMS	Information Management System
IoT	Internet of Things
KPI	Key Performance Indicators
KSI	Key Success Indicators
M	Month
NGOs	Non-governmental organization
PSPS	Public Safety and Personal Security
R&D	Research & Development
WP	Work Package

## **1. INTRODUCTION**

### **1.1. Scope of the deliverable**

The scope of the deliverable is to present the final account and evaluation of the communication, dissemination and stakeholder engagement activities, that took place in the duration of the AEGIS project, as well as a summary of the open data management framework adopted.

### **1.2. Insights from other tasks and deliverables**

The current deliverable reflects the work performed in Work Package (WP) 6, and thus builds upon the previous WP deliverables, D6.1 “Plan for Dissemination, Communication and Stakeholder Engagement”, D6.2 “Project Website and Web 2.0 Channels”, and D6.3 “Data Management Handling Plan”. D6.4 had a similar structure to this deliverable and reported the updates during the first interim reporting period of the project.

### **1.3. Structure of the document**

The current deliverable is structured as follows:

- In chapter 2, we provide a quick summary of the DCP objectives, as defined early on in the project, the plan for achieving the set goals and the overview of the data management plan.
- In chapter 3 we report on the activities performed during the project’s span, along with the developed dissemination and communication material.
- The quantified KPIs and an analysis on these is given in chapter 4.
- In Chapter 5, we present the list of collected and generated data from the AEGIS project, and a plan on how to enable access and continue sharing of the information upon completion of the project.
- Chapter 6 concludes this report.



## 2. DISSEMINATION & COMMUNICATION OBJECTIVES AND PLAN

For completeness purposes, this chapter reiterates the dissemination, communication and stakeholder engagement objectives and plans. The material was taken from the previous deliverables D6.1 and D.4.

### 2.1. Communication and Dissemination Objectives and Plan

Six communication and six dissemination objectives were established in the project. These goals deal with the diffusion of scientific and technological knowledge generated within the context of the AEGIS project, aiming to ensure both a mid- and long-term impact by informing the target audience of the consortium. In particular, the objectives are the following:

1. COMM.OBJ. I: To create awareness of the project among the full range of potential adopters / users in the general public.
2. COMM.OBJ. II: To provide a clear view of the project's concept, goals and results by formulating adapted key messages, and preparing communication material.
3. COMM.OBJ. III: To create an active community of potential users and collect feedback to be taken into account by the project's activities.
4. COMM.OBJ. IV: To prepare the ground for the exploitation of project results.
5. COMM.OBJ. V: To support targeted dissemination of the project results.
6. COMM.OBJ. VI: To foster the wide adoption of the project's results in industry and society.
7. DISS. OBJ. I: To ensure maximum visibility of the project in the target audiences via appropriate key messages.
8. DISS. OBJ. II: To timely diffuse the scientific and technological knowledge generated in the project within and beyond the project's consortium.
9. DISS. OBJ. III: To strengthen and extend established liaisons with other projects and initiatives for knowledge and innovation transfer and create additional ones.
10. DISS. OBJ. IV: To engage the targeted audiences to get feedback and validate the project's results.
11. DISS. OBJ. V: To attract potential users / clients and stimulate the appropriate market segments to support the project's exploitation strategy.
12. DISS. OBJ. VI: To encourage the development of further outcomes in new initiatives.

Based on, and in order to achieve, these objectives, the communication and dissemination activities and plan was constructed as follows. First a characterization of what pertains these types of activities was required. Communication activities include all actions contributing to the diffusion of the project's results beyond the consortium and the close groups, maximising its contribution to innovation and attracting a wide range of stakeholders who are invited to benefit from the project's advancements. Dissemination activities are characterised by active, a priori awareness and validation by the targeted audiences and need to be collectively performed by all partners, according to each partner's profile and expertise. The industrial partners will approach relevant industry-sectors, as well as their distributors and client networks, while the academic and research partners will focus on disseminating the project results towards research institutes and universities across Europe.

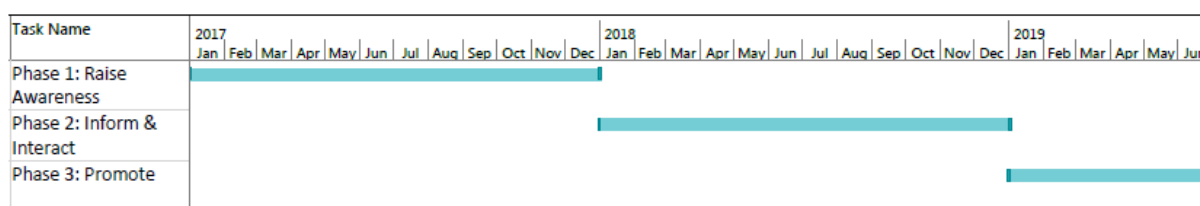
The classification of dissemination activities for the AEGIS Project were broken down to the following task sets:

- Geographically restricted actions (local, regional, national), such as contacts with close stakeholders and business actors as part of the requirements work, or further project dissemination to local media, etc. This layer covers the ad hoc dissemination activities to be performed at the different project demonstrators.
- The backbone dissemination actions corresponding to the publication of scientific and public papers presenting the project as a whole, project presentations at major EU events, mass presence meetings, large-scale demonstrations etc. All these actions define the core messages of the project and due to their high importance should be jointly supervised by the key technical partners of the project.
- Specialized actions, such as publication of specialized papers by individual or small clusters of partners (task level or WP level).
- Superimposing over all the aforementioned activities is the dissemination of the results through online and printed material, i.e. the project website, social media accounts, as well as newsletters, leaflets, etc.

While the communication activities were organized as follows:

- Define concrete and measurable objectives for the communication activities and will link these objectives with the appropriate target groups.
- Implement a solid, modern and inclusive communication strategy, accompanied by a realistic plan to reach these objectives.
- Set up the different channels, tools and mechanisms that will be used to implement the communication plan and reach the targeted audiences.
- Define the guidelines for the implementation of communication and dissemination actions (e.g. project identity, messages to convey, internal reporting rules, etc.).
- Closely monitor the impact of the communication in order to be able to apply corrective actions whenever necessary and identify opportunities that can maximize visibility.

Another necessary part for the establishment of the dissemination (as well as the communication) plan is the detailing of the time framework to be followed for the implementation of the different dissemination, communication and stakeholders' engagement activities. This plan is shown in Figure 1.





**Figure 1: Timeframe for Dissemination, Communication & Stakeholders Engagement.**

The context addressed within each time phase is repeated below:


- The 1<sup>st</sup> phase of the plan (M1-M12) is about “Raising Awareness” for the project’s objectives and attract interest from R&D and business communities, infrastructure support organisations and public authorities.
- The 2<sup>nd</sup> phase (M13-M24) focuses at ensuring the sustainability and duration of the established framework by continuously diffusing knowledge about project activities.
- The 3<sup>rd</sup> phase (M25-M30) is about promoting the outcomes of the AEGIS project to wide audience and targeted communities, by exploiting the full list of dissemination and communication tools.

A final Phase “IV: Post-project Dissemination”, not shown in the previous figure, covers the required promotion and exploitation of project’s results after the contractual implementation of the project.

The definition of the communication and dissemination objectives and time plan led to the phased DC plan, shown in Figure 2 and Figure 3.

 <b>Communication Mechanisms</b>	Phases				
	Phase I: Raise Awareness (M1-M12) <i>Comm. Obj. I, II, III, V</i>	Phase II: Diffuse Knowledge (M13-M24) <i>Comm. Obj. I, II, III, V</i>	Phase III: Communication Culmination (M25-M30) <i>Comm. Obj. I, II, III, IV, V, VI</i>		
(C1) AEGIS Project Website	C1.I) Design & Development of an intuitive and responsive project’s web site; Search engine optimization	C1.II) Regular update of the website content; Watch website’s analytics to measure impact and provide content of interest	C1.III) Regular update of the website content; Clear visibility of results, demo / application material in an interactive way		Phase IV: Post-Project Communication
(C2) Social Media Presence	C2.I) Establishment of presence in:  Reproduce relevant content and monitor relevant hashtags; Upload public material; Follow influencers of the domain; Engage with other projects and initiatives	C2.II) Promote project’s outcomes and events; Interact with followers to get feedback; Answer on comments and private messages on the various channels; Upload public material; Reproduce relevant content and monitor relevant hashtags	C2.III) Promote project’s outcomes and events; Interact with followers to get feedback; Answer on comments and private messages on the various channels; Upload public material; Reproduce relevant content (more sporadically)		
(C3) Project’s Blog	C3.I) Deploy project’s blog; Provide blog posts related to project’s positioning & technologies	C3.II) Provide frequent blog posts to initiate discussions on specific issues relevant to the project to receive feedback	C3.III) Publish frequent blog posts to demonstrate and promote project’s results		
(C4) Traditional Media	C4.I) Press release to announce the project’s launch	C4.II) Press releases to announce the significant events / results	C4.III) Press releases to promote the business case of the project’s results		
(C5) Communication Material	C5.I) Design logo and project identity; Prepare project factsheet, brochure, banner, e-Newsletter and promo video	C5.II) Prepare revised brochure, banner and frequent releases of e-Newsletter; Publish blogs / news in EU instruments (e.g. Cordis News, research*eu magazines etc.)	C5.III) Prepare final brochure, banner, frequent releases of e-Newsletter and video demonstrators; Publish blogs / news in EU dissemination instruments		

**Figure 2: AEGIS Phased Communication Plan.**

 <b>Dissemination Mechanisms</b>	AEGIS Phases				
	Phase I: Raise Awareness (M1-M12) <i>Diss. Obj. I, III</i> Activities’ Intensity: Low Target Audiences: ALL	Phase II: Inform and Interact (M13-M24) <i>Diss. Obj. I, II, III, IV</i> Activities’ Intensity: High Target Audiences: ALL	Phase III: Promote (M25-M30) <i>Diss. Obj. II, III, IV, V, VI</i> Activities’ Intensity: High Target Audiences: ALL		
(D1) Organisation of Project Events	D1.I) Organisation of workshops in scientific conferences	D1.II) Organisation of workshops in scientific conferences, industry events & fairs; Organisation of hackathon	D1.III) Organisation of workshops in industry events; Organisation of hackathon & demo events		Phase IV Post Project Dissemination Activities
(D2) Participation to Conferences & Workshops	D2.I) Participation to events; Presentation of project scope; Interaction with participants	D2.II) Presentation of project’s results to events; Representation in booths	D2.III) Presentation of project’s results and business case to events; Representation in demo sessions		
(D3) Scientific Publications	D3.I) Publication of position papers / review papers in conferences	D3.II) Publication of methodology papers in conferences	D3.III) Publication of overall project’s results in journals & industry magazines		
(D7) Standardisation Contributions	D7.I) Registration / participation to relevant working groups; Alignment with existing standards	D7.II) Participation to working groups’ telcos and events; Presentation of project’s outcomes	D7.III) Participation to working groups’ telcos and events; Presentation of project’s demos		

**Figure 3: AEGIS Phased Dissemination Plan.**

## 2.2. Stakeholders Engagement Plan

The target groups were identified in tandem with the exploitation activities of the AEGIS project, and a correlation between the stakeholders and the DC objectives was developed, as shown in Table 1 and .

Dissemination Objectives AEGIS Stakeholders	DISS. OBJ. I	DISS. OBJ. II	DISS. OBJ. III	DISS. OBJ. IV	DISS. OBJ. V	DISS. OBJ. VI
Business Stakeholders (Industrial)	■	■		■	■	■
Business Stakeholders (Public Sector/ Local Communities)	■	■		■	■	■
Demonstrator Participants	■	□		■	□	
ICT Technology Providers	■	■		■	■	■
Industry Associations & Technology Clusters	■	■	■	□	□	□
Researchers and Academia	■	■	■	■	□	
Policy Makers & Standardisation Organisations	■	■	□			□
General Audience	■					

**Table 1: AEGIS Dissemination Objectives – Stakeholders/Target Groups Correspondence.**

Communication Objectives AEGIS Stakeholders	COMM. OBJ. I	COMM. OBJ. II	COMM. OBJ. III	COMM. OBJ. IV	COMM. OBJ. V	COMM. OBJ. VI
Business Stakeholders (Industrial)	■	■	■	■	■	■
Business Stakeholders (Public Sector/ Local Communities)	■	■	■	■	■	■
Demonstrator Participants	■	■	■		■	
ICT Technology Providers	■	■	■	■	■	■
Industry Associations & Technology Clusters	■	■	□	□	■	□
Researchers and Academia	■	■	□		■	

<b>Policy Makers &amp; Standardisation Organisations</b>	■	□		□	■	
<b>General Audience</b>	■	□		□	■	□

Table 2: AEGIS Communication Objectives – Stakeholders/Target Groups Correspondence

The plan towards stakeholders' engagement in AEGIS project is presented in the figure, followed by the detailed list of stakeholder-matched activities in Table 3 and Table 4.

 <b>AEGIS Phases</b> <b>Stakeholders Engagement</b>	<b>Phase I: Raise Awareness (M1-M12)</b> <u>Diss. Obj. I, III</u> Activities' Intensity: Low Target Audiences: ALL	<b>Phase II: Inform and Interact (M13-M24)</b> <u>Diss. Obj. I, II, III, IV</u> Activities' Intensity: High Target Audiences: ALL	<b>Phase III: Promote (M25-M30)</b> <u>Diss. Obj. II, III, IV, V, VI</u> Activities' Intensity: High Target Audiences: ALL	<b>Phase IV: Post-Project Communication</b>
(D4) Community Building / Engagement with Stakeholders	D4.I) Establishment of contact points; Liaison with industry communities and networks; Promotion of project's communication material; Interviews	D4.II) Validation of results with key stakeholders in events / online; Interaction with industry communities and networks; Invitation to project's events	D4.III) Creation of network of potential users; Promotion of project's application stories; Invitation for demos; Training webinars	
(D5) Collaboration and synergies with projects	D5.I) Synergies identification; Establishment of contact points; Exchange of ideas & intentions	D5.II) Periodic bilateral exchange of news & results, Joint presence in events	D5.III) Joint engagement in events / demo days	
(D6) Internal Dissemination in partner's networks	D6.I) Project's links & news in partners' website, social media accounts, newsletters	D6.II) Inclusion of projects' results in partners' events	D6.III) Demonstration of results in partners' premises; Training; Reuse of results	

Figure 4: AEGIS Phased Stakeholders Engagement Plan.

## 2.3. Data Management Plan

The Data Management Handling Plan defined in D6.3 (M6) identified the appropriate methodologies and open repositories for data management and dissemination, in order to offer through open access as much information generated by the AEGIS project as possible.

The plan provided answers to the following solutions:

- What data will be collected, processed and/or generated; what kind of data will the project collect or generate, and to whom might they be useful later on?
- Which methodology and standards will be applied? What metadata required to enable data to be found and understood, ideally according to the particular standards of scientific discipline?
- Whether data will be shared/made open access? and
- How data will be preserved (including after the end of the project)?; How to archive and preserve the open datasets of the project? Funding bodies ensure that publicly funded research outputs can have a positive impact on future research, for policy development, and for societal change,

and identified as the main repositories for use the following:

- The BSCW platform
- Zenodo for long-term archiving (as proposed by E.C.)
- GitHub for open-sourced code.

	Dissemination Means	Thematic Workshops	Demo Events	Scientific Papers and Publications	Conferences	Working Groups	Industry Communities	Research Groups	Joint Project Activities
<b>Stakeholder group</b>	<b>Stakeholder</b>								
<b>SG1 - Smart Insurance</b>	Insurance Companies	✓	✓				✓		✓
	Financial institutions	✓	✓	✓	✓		✓	✓	✓
	Insurance brokers	✓	✓				✓		✓
<b>SG2 - Smart Home</b>	Electronics	✓	✓	✓	✓	✓	✓		✓
	Smart home technology providers	✓	✓		✓		✓		✓
	Safety and security	✓	✓			✓	✓		✓
<b>SG3 - Smart Automotive</b>	Car manufacturer	✓	✓				✓		✓
	Car dealers		✓				✓		✓
	Electronics	✓	✓	✓	✓	✓	✓		✓
	GPS Navigation System Providers	✓	✓				✓		✓
<b>SG4 - Health</b>	Nursing homes	✓	✓						✓
	Hospitals	✓	✓						✓
	Doctors	✓	✓		✓				✓
<b>SG5 - Public Safety / Law Enforcement</b>	Police	✓	✓						✓
	Emergency Medical Service	✓	✓		✓				✓
	Fire Service	✓	✓						✓
	Search and Rescue	✓	✓		✓		✓		✓
	Military	✓	✓				✓		✓
<b>SG6 - Research Communities</b>	Students	✓	✓	✓	✓	✓		✓	✓
	Professors	✓	✓	✓	✓	✓		✓	✓
	Research institutes	✓	✓	✓	✓	✓		✓	✓

<b>SG7 - Road Construction Companies</b>		✓	✓						✓
<b>SG8 - Public Sector</b>	Municipalities Public Authorities	✓	✓		✓				✓
<b>SG9 - IT Industry</b>	IT software companies	✓	✓	✓	✓	✓	✓	✓	✓
	Data scientists	✓	✓	✓	✓	✓		✓	✓
	Data Industries	✓	✓	✓	✓	✓	✓	✓	✓
<b>SG10 - Smart City</b>	Electronics	✓	✓	✓	✓	✓	✓	✓	✓
	Smart City technology providers	✓	✓		✓	✓	✓		✓
	Smart City planners	✓	✓	✓	✓	✓	✓		✓
<b>SG11 - End Users</b>	Citizens		✓						✓

**Table 3. Stakeholders/Target Groups and Associated dissemination means.**

Communication Means		Website	Social Media	Blog Posts	Newsletters	Press Releases	Leaflets/ Brochures/ Printed Material	Videos
Stakeholder group	Stakeholder							
SG1 - Smart Insurance	Insurance Companies	✓	✓	✓	✓	✓	✓	✓
	Financial institutions	✓	✓	✓	✓		✓	✓
	Insurance brokers	✓	✓	✓	✓	✓	✓	✓
SG2 - Smart Home	Electronics	✓	✓	✓	✓		✓	✓
	Smart home technology providers	✓	✓	✓	✓		✓	✓
	Safety and security	✓	✓	✓	✓		✓	✓
SG3 - Smart Automotive	Car manufacturer	✓	✓	✓	✓		✓	✓
	Car dealers	✓	✓		✓		✓	✓
	Electronics	✓	✓	✓	✓		✓	✓
	GPS Navigation System Providers	✓	✓		✓		✓	✓
SG4 - Health	Nursing homes	✓	✓		✓		✓	✓
	Hospitals	✓	✓	✓	✓		✓	✓
	Doctors	✓	✓	✓	✓		✓	✓
SG5 - Public Safety / Law Enforcement	Police	✓	✓	✓	✓	✓	✓	✓
	Emergency Medical Service	✓	✓	✓	✓		✓	✓
	Fire Service	✓	✓	✓	✓		✓	✓
	Search and Rescue	✓	✓	✓	✓		✓	✓
	Military	✓	✓	✓	✓		✓	✓
SG6 - Research Communities	Students	✓	✓	✓	✓		✓	✓
	Professors	✓	✓	✓	✓		✓	✓
	Research institutes	✓	✓	✓	✓		✓	✓
SG7 - Road Construction Companies		✓	✓		✓		✓	✓



<b>SG8 - Public Sector</b>	Municipalities Public Authorities	✓	✓		✓	✓	✓	✓
<b>SG9 - IT Industry</b>	IT software companies	✓	✓	✓	✓		✓	✓
	Data scientists	✓	✓	✓	✓		✓	✓
	Data Industries	✓	✓	✓	✓		✓	✓
<b>SG10 - Smart City</b>	Electronics	✓	✓	✓	✓		✓	✓
	Smart City technology providers	✓	✓	✓	✓		✓	✓
	Smart City planners	✓	✓	✓	✓		✓	✓
<b>SG11 - End Users</b>	Citizens	✓	✓		✓	✓	✓	✓

**Table 4. Stakeholders/Target Groups and Associated Communication means.**

### **3. DISSEMINATION & COMMUNICATION AND STAKEHOLDER ENGAGEMENT ACTIVITIES**

The goal of this section is to provide a written report of the implemented DC activities and actions that took place during the project, concentrating more on the period between M18 and M30. The material presented here constitutes the basis for the next chapter, where we present the quantified target and attained values for the project's key performance indicators. The complete activities reporting table is provided in the Appendix.

#### **3.1. Dissemination and Stakeholder Engagement Activities**

A short report is provided with respect to the undertaken activities:

##### *3.1.1. AEGIS Workshops, Demo Events & Hackathon*

During the first dissemination phase of the project (M1-M12), no activities of this type were required. For the second stage (M13-M24), a demo event on the automotive demonstrator was given by the lead partner VIF on M15 in the "Graz Symposium Virtual Vehicle - Artificial intelligence meets model-centric design" convention. Furthermore, two workshops were organized by FOKUS and VIF on M13 and M20, AEGIS Big Data Workshop with department leaders of Berlin Senate and Big Vehicle Data to Digital Services respectively.

During the last months of the project (M25-M30), one demo event was organized by HDI, on the 5th of June, with three HDI Data Scientists/Analysts presenting the AEGIS and the insurance demonstrator to the management office representatives. Another two events took place on June, where the platform was presented by GFT to industrial partners. Finally, another demo event was co-organized by the Smart Home and Assisted Living (SHAL) demonstrator partners, who showcased the SHAL application to interested stakeholders.

The hackathon took place at the National Technical University of Athens Campus on 6/06/2019 with the students of the Big, Open and Linked data course of the "Digital Innovation and Startups Entrepreneurship postgraduate program course in conjunction with the BigDataOcean project. Initially there was a demonstration of the tools of the AEGIS and BigDataOcean platform. Thereafter the students were challenged to perform specific data querying and analysis tasks for both platforms. For the AEGIS platform, the students were challenged in one hour to perform cleansing, filtering, aggregating and merging datasets based on synthetic insurance data and present visualisations about fraud probability. A total of 14 people participated in this event, supervised by one professor and one PhD student of the university. During the presentation and the hackathon, the students were very enthusiastic about the presentation of the AEGIS platform. A large number of the students wanted more time to familiarize themselves with the platform. A number of UI improvement ideas were also indicated and noted during the hackathon. Some students lacked the technical background to perform the activities at the event and they were helped by the organizers.

##### *3.1.2. Participation in Events*

With respect to participation in events, conferences, etc., AEGIS was represented in 13 events during M1-M12, 12 of which were with presentation of the project. Similarly, on M13-M24, 9 events, out of which 5 were with presentation, were attended, while on M25-M30, the respective numbers were 3 and 2. For example, Aegis was presented by VIF in the Big Data AI Summit (<https://www.big-data.ai/>), one of Europe's leading summit for artificial intelligence and big

data, which took place during 10-11 April 2019 (see Figure 5). More details on the events can be found on the full activities list provided in the appendix.



**Figure 5. AEGIS presentation on Big Data AI Summit 2019.**



**Figure 6. Aegis participation in the European Big Data Value Forum (EBDVF 2018), 12 – 14 November 2018, in Vienna, Austria.**

### *3.1.3. Scientific Publications and Articles*

Publications in scientific journals and conferences, as well as articles published in mainstream communication channels constituted one of the main dissemination activities of the AEGIS project. Overall, 12 submissions on journals and conferences were made and accepted (6, 2 and 4 respectively for each DC period), while another 8 articles appeared in various mainstream journals. A selective list of the most recent articles' titles follows. Again, the exhaustive list of publications can be seen in the Appendix.

- ePipe: Near Real-Time Polyglot Persistence of HopsFS Metadata.
- Personalised Monitoring and Recommendation Services for At-Risk Individuals Employing Machine-Learning and Decision Support.
- Understanding Data-driven Service Ecosystems in the Automotive Domain, Amercias Conference on Information Systems.
- A Research Agenda for Vehicle Information Systems, European Conference on Information Systems.
- The Vehicle Data Value Chain as a Lightweight Model to Describe Digital Vehicle Services.

### *3.1.4. AEGIS Links with Technical Groups & Standardization Bodies*

Regarding the interaction of the AEGIS consortium with other technical groups and standardization bodies, a connection to the Big Data Value Association (BDVA) was established from the early stages of the project. BDVA is an industry-driven international not-for-profit organisation with 200 members all over Europe and a well-balanced composition of large, small, and medium-sized industries as well as research and user organizations. The mission of the BDVA is to develop the Innovation Ecosystem that will enable the data and AI-driven digital transformation in Europe delivering maximum economic and societal benefit, and, achieving and sustaining Europe's leadership on Big Data Value creation and Artificial Intelligence. AEGIS was represented in a series of events organized by BDVA and contributed to published material. BDVA membership was deemed as the most efficient and realistic action to for outreach of the AEGIS project to industry groups and standardization bodies.

An additional activity was undertaken by VIF, which became a member of the work group of the International Standardization Organization: ISO/TC 22/SC 31/WG 6 "Extended vehicle/Remote diagnostics" and thereby also of the national Austrian mirror committee to ensure an information exchange and contribution to national and international standards.

### *3.1.5. Set contacts with Industry Members, technology working groups, Research and Academia*

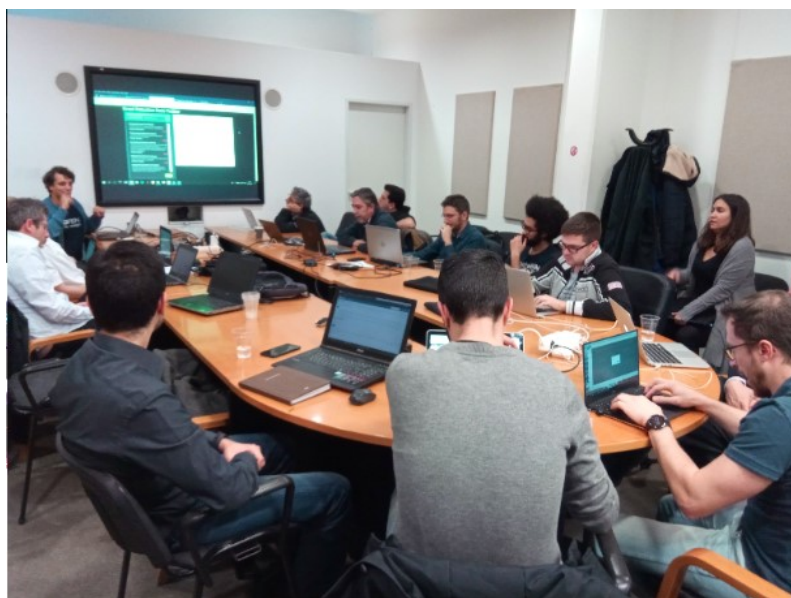
One of the main interaction points with the community for the AEGIS partners was through the BDVA association. Apart from that though, the AEGIS partners established 125 industry and 88 research group contacts. The AEGIS consortium, through its partners, have also explored and established joint activities with 8 other EU projects, which can be found in the activities list in the Appendix.

### *3.1.6. Set contacts with Internal Consortium Participants*

Internally, the AEGIS consortium has held periodic meetings and events, as planned. 6 Plenary meetings took place during the project. Furthermore, 6 small working groups consisting of technical and demonstrator partners have been created, in order to better organize and implement the AEGIS platform, as well as the demonstrator applications.



**Figure 7. First Consortium Plenary Meeting, on May 2017, in Milano.**



**Figure 8. Third Consortium Plenary Meeting, on January 2018, in Athens.**





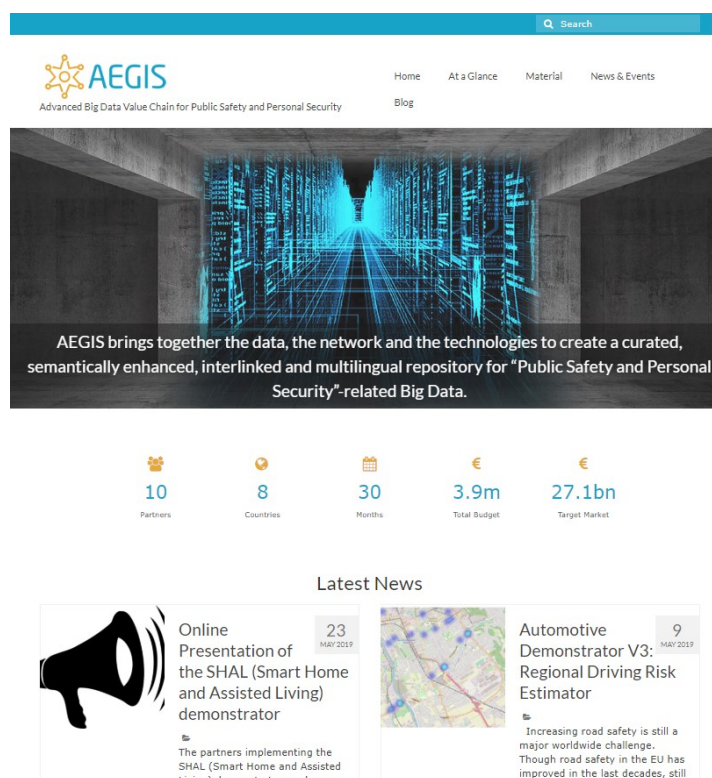
**Figure 9. Sixth Consortium Plenary Meeting, on June 2019, in Graz.**

### 3.2. Communication Activities

In this section we concentrate on the communication-related means and performed activities.

#### 3.2.1. AEGIS Project Website

The AEGIS project was set up early in the project (M3) in order to offer active web presence through its website and create awareness about the AEGIS project. A detailed documentation of the AEGIS website can be found in deliverable 6.2 “Project Website and Web 2.0 Channels”.



**Figure 10. AEGIS Project Website.**

Up to the date of writing this document, 4102 unique visitors have visited the site, amounting to 20,661 page views during the course of the project. The average visit duration was 2.05 minutes.

### 3.2.2. Social Media Presence

With respect to social media, accounts for the AEGIS project on Twitter, Facebook, LinkedIn, Slideshare, YouTube, ResearchGate, and Paper.li were set up at the same time as the creation of the project's website.

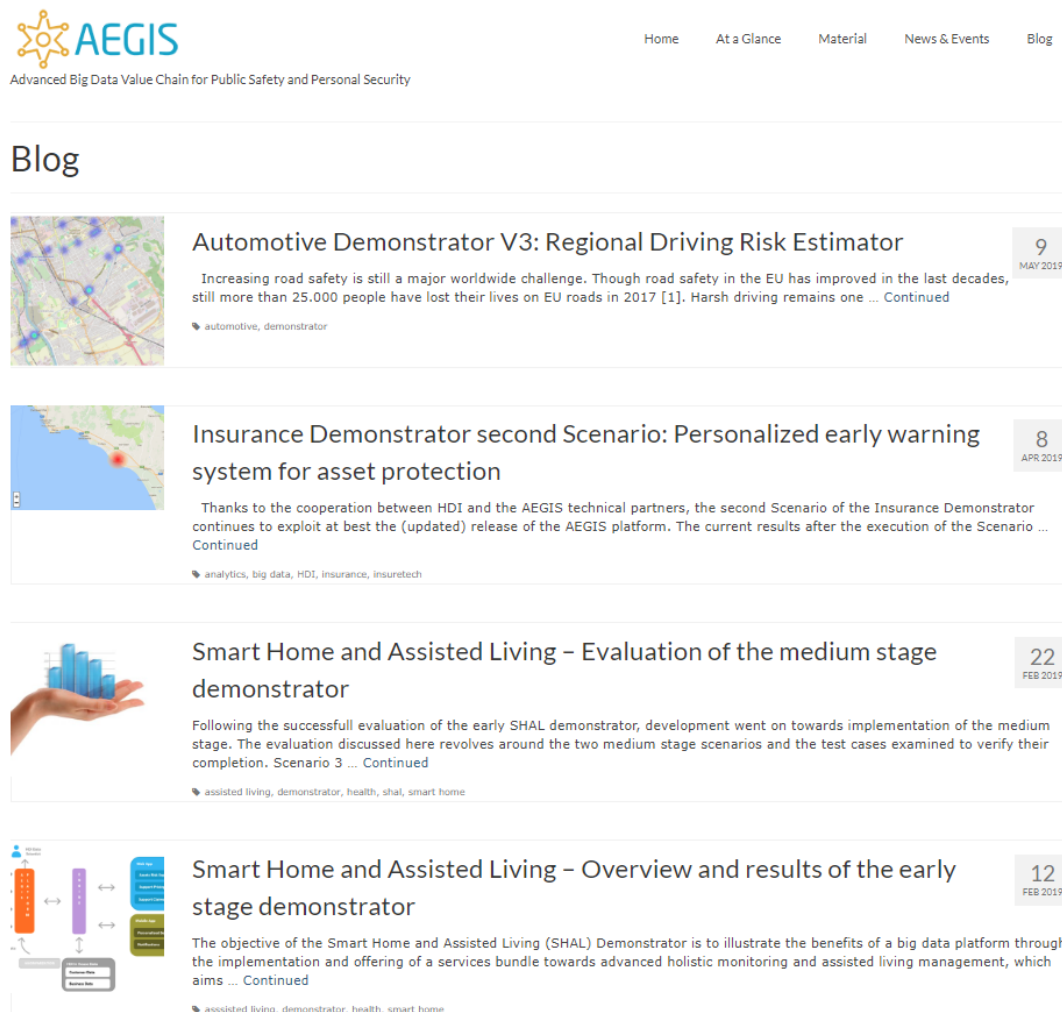
The two most popular means of communication are Twitter and Facebook. As of the time of writing, AEGIS has accumulated 910 followers in Facebook and Twitter and has posted 690 posts in various media. It is important to note that news regarding the AEGIS project were actively promoted by personal accounts of consortium partners, resulting in an even more widespread distribution of the information.



**Figure 11. AEGIS Twitter Page.**

### 3.2.3. Project's Blog

The AEGIS blog area, hosted in the website, provides regular detailed information on the technical, demonstration and exploitation activities of the project. A screenshot of the blog area is shown in Figure 12. There have been ten blog entries during the 1<sup>st</sup> phase, fifteen during the 2<sup>nd</sup> period and six during the last months. All posts were advertised through the various communication means, in order to draw further attention to the AEGIS website.



**Figure 12. AEGIS Blog Area.**

### 3.2.4. Traditional Media

The category of the traditional media presence revolves around the promotion of AEGIS through the individual partners' websites, or other communication means. Nine digital press releases were circulated by partners in the consortium, advertising their participation in the AEGIS project.

### 3.2.5. Other Communication Material

In this section we discuss other communication material, not covered previously. In particular, the category pertains to:

- Newsletters: Electronic newsletters providing summaries of the activities within the AEGIS project are sent to identified contacts and uploaded in the website.
- Brochures, posters, slides and leaflets: The generation of such material is required for the promotion and advertising of the AEGIS concept on events and conferences.
- Videos: Promotional videos, describing the AEGIS main aspects and results, are an attractive means to communicate the project's ideas on wide audiences.



- Blog Posts in EC portals: The advertisement of results through established portals supported/maintained by the European Commission is also considered as a high-validity communication means.

With respect to the circulation of newsletters, early on and while building the stakeholder database, AEGIS contributed to a number of BDVA newsletters. Subsequently, AEGIS has produced 5 e-newsletters.



**Welcome to first News Alert of the AEGIS project**

**In this newsletter**

[About our Meetings & Events](#)

[AEGIS analysis about big data in PSPS domain](#)

[AEGIS Demonstration Stories](#)

[Upcoming events](#)

**Figure 13. AEGIS Newsletter - August 2017.**



## Welcome to the Second News Alert of the AEGIS project

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### In this newsletter

- [AEGIS Survey - Data Analysis in your Organisation: do you really use it at its best?](#)
- [AEGIS third and fourth plenary meetings took place in Cyprus and Greece](#)
- [The AEGIS Architecture & Technical Requirements: Methodology and Produced Results](#)
- [A sneak peek in the AEGIS Data Policy Framework and Business Brokerage Framework](#)
- [Digital Vehicle Ecosystems and New Business Models](#)
- [About Us](#)

**Figure 14. AEGIS Newsletter - March 2018.**



## Welcome to the Latest News Alert of the AEGIS project

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### In this newsletter

- [Results from Automotive Demonstrator presented at ECIS 2018 Conference](#)
- [AEGIS at the European Big Data Value Forum 2018](#)
- [Business Models for Big Data: developing the appropriate solution for the AEGIS platform](#)
- [Aegis 5th Plenary Meeting took place in Athens](#)
- [AEGIS Releases the second version of the Big Data Platform](#)
- [About Us](#)

**Figure 15. AEGIS Newsletter - January 2019.**



## Welcome to the Latest News Alert of the AEGIS project

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### In this newsletter

- [Evaluation of Demonstrators - Automotive](#)
- [Evaluation of Demonstrators - Insurance](#)
- [Evaluation of Demonstrators - Smart Home and Assisted Living](#)
- [VIF organizes Knowledge Exchange Workshop on Vehicle Data Service Ecosystems](#)
- [About Us](#)

**Figure 16. AEGIS Newsletter - April 2019.**

Furthermore, preliminary leaflet and banner material was produced early on. As the project progressed and results were generated, a number of other dissemination material was produced, in particular 3 leaflets and one banner with updated information on the project's achievements.



Figure 17: Preliminary Leaflet focussed on Business Stakeholders.

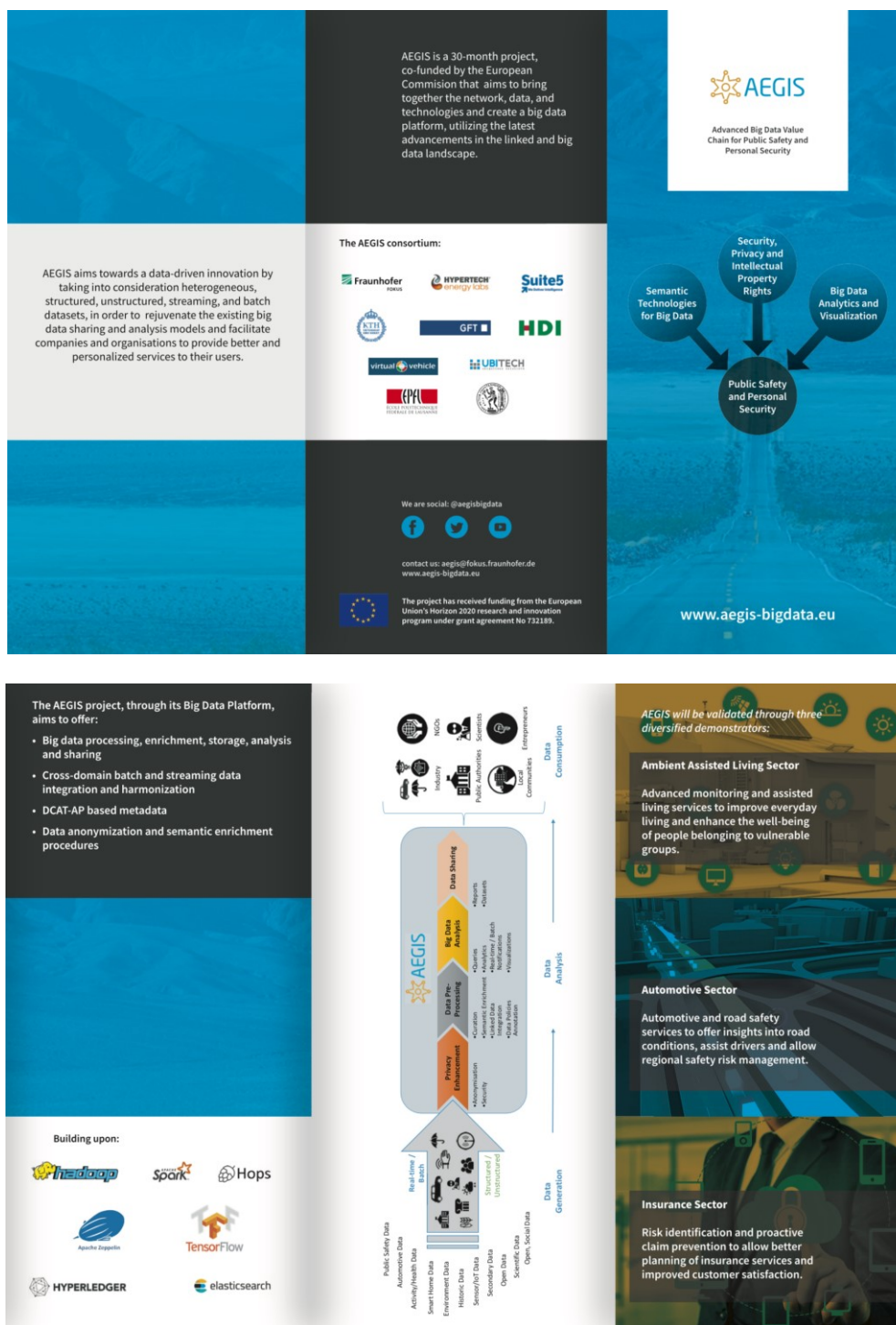


Figure 18. General AEGIS Leaflet.





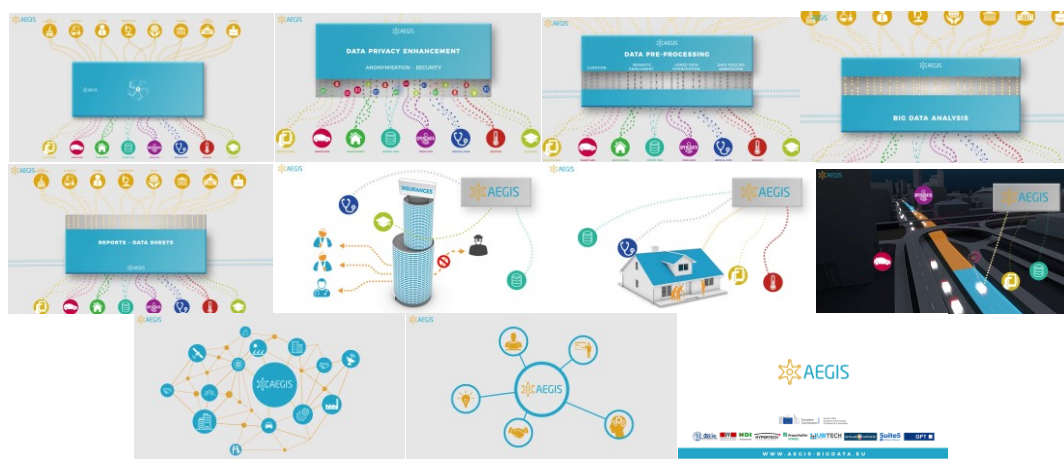
Figure 19. Leaflet Focused on AEGIS Demonstrators.



**Figure 20. Leaflet Focused on the AEGIS Platform.**

Additionally, an explainer video of the AEGIS project was designed and produced during the 1<sup>st</sup> reporting period. It can be accessed through the projects YouTube account (<https://www.youtube.com/channel/UCz3mv23FueBCAGzvt2JNJOQ/videos>). An extended version of this, including screencasts from the platform's operation is produced in the final stages of the project. Figure 21 showcases a number of screenshots taken from that video.



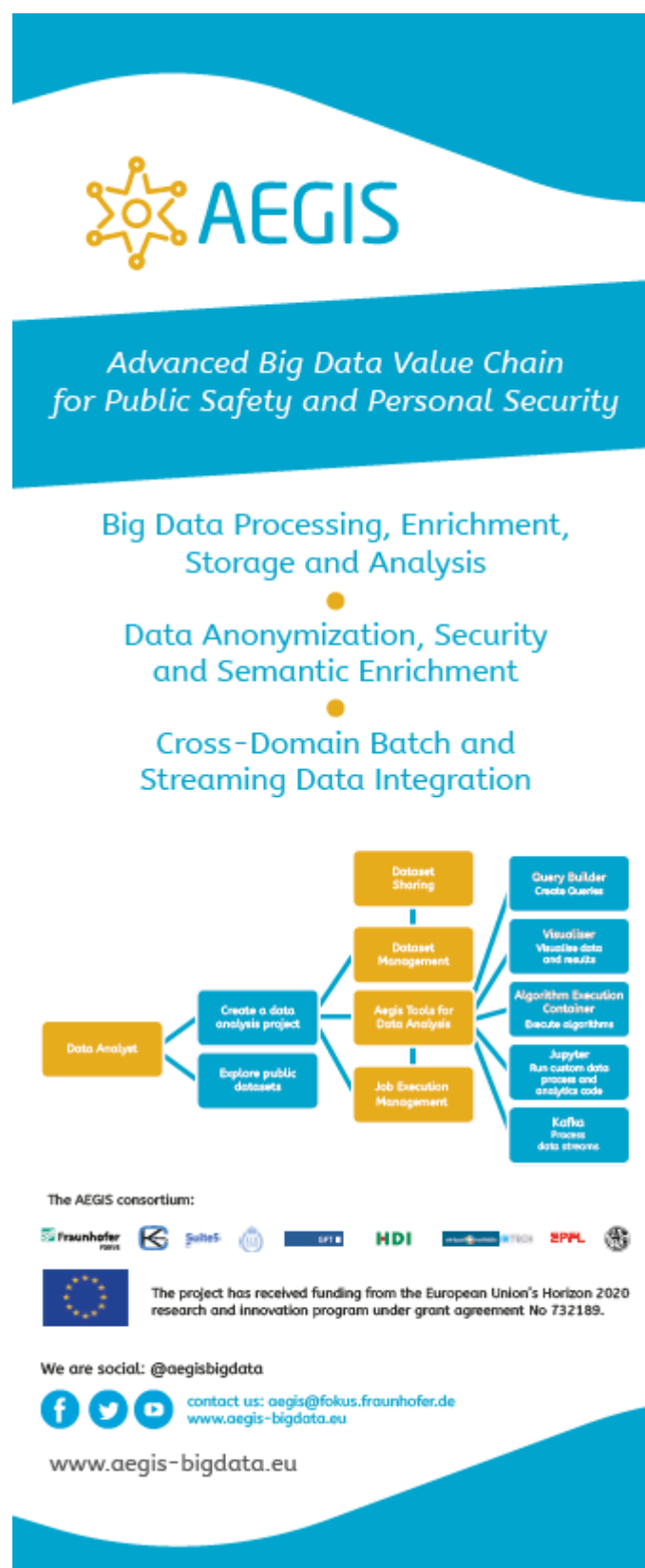


**Figure 21. Screenshots of the AEGIS explainer video.**

Similar to the leaflet production, one preliminary banner/poster was generated at the beginning of the project. Additionally, a demonstrator specific banner focused on the automotive demonstrator was produced by VIF during the middle phase of the project. Another general banner was created on M29.

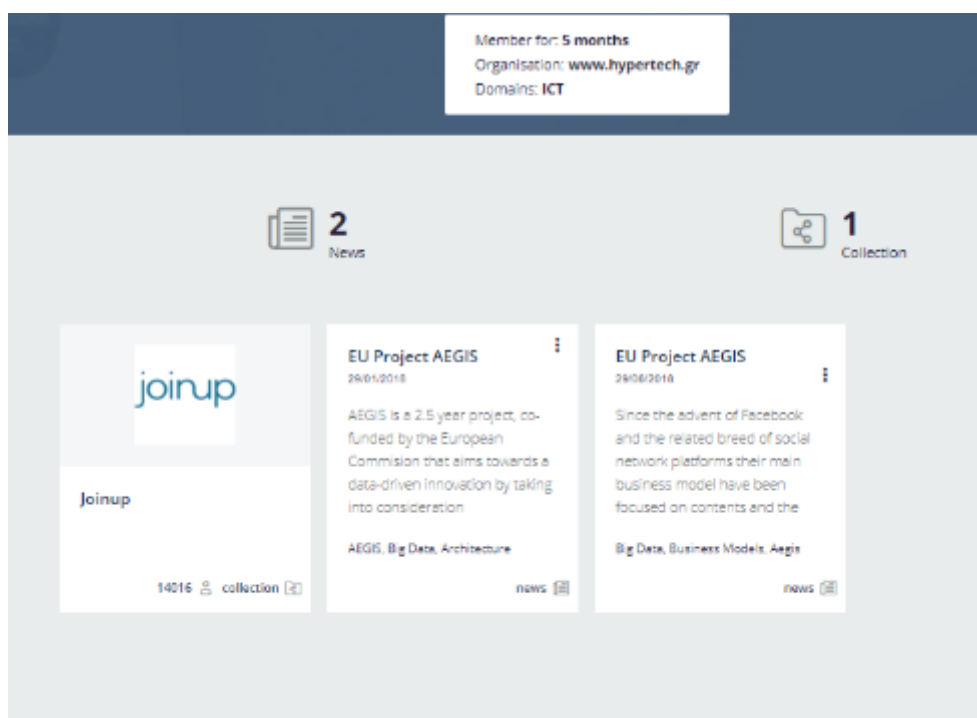


**Figure 22: Preliminary Poster.**



**Figure 23. Project General Banner**

Finally, the AEGIS project has generated four blog entries in the EC-created and funded Joinup platform (see Figure 24).



**Figure 24. AEGIS blog posts on the EU collaboration portal Joinup.**

Having given the written overview of the activities performed during the previous period, we proceed in the next chapter to the detailed presentation of the key performance indicators of the project.

## 4. KEY PERFORMANCE INDICATORS

In the previous section we gave the details of the different activities undertaken during the course of the project. Here, we concentrate on the quantified key performance indicators, as these were defined in the proposal, and later extended in the first DCP, and evaluate the progress achieved. The results are based on the activities tables and summary statistics tables included in the Appendix.

### 4.1. Communication Key Performance Indicators

Table 5 below includes the defined KPIs with respect to communication mechanisms, with measurements retrieved for each phase of the project regarding the set target values and the achieved (actual) values. Entries on the last column are coloured blue or yellow, according to whether the set goal was achieved.

Regarding the AEGIS website, the target number of 5000 unique visitors was not reached, nevertheless the achieved value (4102) is significant, while the average visit duration was above the two minutes, and page views exceeded by more than 100% the required number. The website will remain active and updated after the completion of the project, allowing visitors to be informed about any further development and news.

The AEGIS social media presence can was also important. More than 900 people followed the AEGIS communication channels, reacting 357 times to the various posts and news. The number of posts was slightly slower than the target (690 versus 1000 respectively), due to the fact that the consortium opted for the circulation of more significant news, and refrained from posting minor updates. Nevertheless, it has also to be said that individual consortium members have actively promoted (through retweets, likes, etc.) the AEGIS news, which increased significantly the number of project-related posts in social media.

Moving on, the AEGIS partners posted on the website a total of 31 blog posts. The targets were reached for the first two phases. A decrease was observed during the last months of the project. The reason was that during that period, some effort was shifted towards targeted dissemination events (these will be discussed in the subsequent section), which were deemed more useful for exploitation purposes. Having said so, important blog posts informing about the platform development and demonstrators' evaluation have been published as planned.

The number of electronic press releases was significantly higher than the target number from the start of the project. We have not identified this type as significantly useful, so less effort was given in the later stages. Finally, the prescribed number of other communication material (leaflets, newsletters, brochures), as well as videos and blog posts in EC portals was achieved.

Communication Mechanism	Communication Key Performance Indicators								
	Description	Phase I (M1-M12)		Phase II (M13-M24)		Phase III (M25-M30)		Total Target Value	Total Achieved Value
		Target Value	Actual Value	Target Value	Actual Value	Target Value	Actual Value		

<b>(C1) AEGIS Project Website</b>	<b>No of Unique Visitors</b>	1000	728	2000	1520	2000	1854	5000	4102
	<b>Average duration of visits (min)</b>	2	2.33	2	2.01	3	1.56	2	2.05
	<b>No of Page Views</b>	2000	3280	4000	4601	4000	12780	10000	20661
<b>(C2) Social Media Presence</b>	<b>No of accumulative followers</b>	200	172	250	181	300	557	750	910
	<b>No of accumulative posts</b>	300	285	350	159	350	246	1000	690
	<b>No of interactions (discussions, retweets, etc.)</b>	50	180	100	56	150	121	250	357
<b>(C3) Project's Blog</b>	<b>No of posts</b>	10	10	15	15	25	6	50	31
<b>(C4) Traditional Media</b>	<b>No of press releases</b>	1	9	3	0	4	0	8	9
<b>(C5) Communication Material</b>	<b>No of factsheets, brochures and banners</b>	2	3	3	4	5	3	10	10
	<b>No of Newsletters</b>	2	3	2	2	3	3	7	8
	<b>No of videos</b>	1		0		1		2	2
	<b>No of blog posts in EC portals</b>	1	1	2	1	3	4	6	6

**Table 5. Communication Key Performance Indicators.**

## 4.2. Dissemination Key Performance Indicators

In Table 6 we present the dissemination-related KPIs, with measurements retrieved for each phase of the project regarding the set target values and the achieved (actual) values. Entries on the last column are coloured blue or yellow, according to whether the set goal was achieved.

Regarding the more targeted dissemination activities of the project, the consortium has organized a number of events, surpassing the set targets of four demo events and one hackathon. It was not possible to attain the set target of four organized workshops, with two taking place during the intermediate stage of the project. This decrease did not have any significant effects. At the late stages, the organization of demos and participation on other events, showcasing the developed applications and functionalities were more significant.

AEGIS was represented in 25 events along the course of the two and a half years, and presentations on the project were made on 19 of these. In tandem, partners have published a multitude of scientific and other articles, reaching the target values.

Finally, regarding contacts with groups and standardization bodies, from early on, AEGIS established a close relationship with the Big Data Value Association. Through this group, the consortium was able to disseminate and promote its results to interested stakeholder groups, and support standardization activities, reducing the need for individual actions undertaken by the AEGIS partners alone.

Dissemination Mechanism	Dissemination Key Performance Indicators								
	Description					Phase III (M25-M30)		Total Target Value	Total Achieved Value
		Target Value	Actual Value	Target Value	Actual Value	Target Value	Actual Value		
(D1) AEGIS Workshops, Demo Events & Hackathons	No of Thematic Workshops	0	0	3	2	1	0	4	2
	No of Hackathons	0	0	0	0	1	1	1	1
	No of Targeted Demo Events	0	0	1	1	3	4	4	5
(D2) Participation in Fora & Thematic Events	No attended events	5	13	8	9	7	3	20	25
	(with) AEGIS Project Presentation	3	12	6	5	6	2	15	19

(D3) Scientific Publications and Presentations	No of scientific papers	3-5	6	3-5	2	3-5	4	9-15	12
	No of articles in mainstream channels	2	4	3	2	3	2	8	8
(D7) AEGIS Links with Technical Groups & Standardization Bodies	No of contacts with working groups	0	1	1	0	2	0	3	1
	Presentation of AEGIS project outcomes in standardization bodies	0	0	2	1	3	0	5	1

**Table 6. Dissemination Key Performance Indicators.**

#### 4.3. Stakeholder Engagement Key Performance Indicators

Finally, Table 7 shows the stakeholder engagement KPIs, with measurements retrieved for each phase of the project regarding the set target values and the achieved (actual) values. Entries on the last column are coloured blue or yellow, according to whether the set goal was achieved.

AEGIS built a database of 125 industry contacts. Industrial communities were mainly contacted through BDVA-related activities, and no need for direct establishment of contact was deemed necessary. Since though BDVA is more focused on industry needs, the consortium took action itself to link and interact with more research-oriented groups and performed eight activities joint with other EU projects. Internal activities, such as plenary meetings and work groups took place in expected and sufficient intervals.

Stakeholder Engagement Mechanism	Stakeholders Engagement Key Performance Indicators								
	Description	Phase I (M1-M12)		Phase II (M13-M24)		Phase III (M25-M30)		Total Target Value	Total Achieved Value
		Target Value	Actual Value	Target Value	Actual Value	Target Value	Actual Value		
(D4) Set contacts with Industry Members and technology working groups	Set contacts with industry communities	5	1	5	0	0	0	10	1
	No industry contacts	40	91	40	34	20	0	100	125
	Interaction with industry communities and networks	0	0	2	4	2	5	4	9

(D5) Set contacts with Research and Academia	Link AEGIS project with other research groups	5	88	5	0	5	0	15	88
	Joint activities with other projects	0	3	4	3	4	2	8	8
(D6) Set contacts with Internal Consortium Participants	Number of internal events	2	1	4	4	4	4	10	10
	Creation of AEGIS groups with participation of Demonstrator Participants	2	2	2	2	0	2	4	6

**Table 7. Stakeholders Engagement Key Performance Indicators.**

#### 4.4. Targets from Description of Work

We conclude this section with a brief presentation of the KPI targets that were initially defined in the AEGIS Description of Work (DoW). These can be seen in Table 8. All targets were successfully reached.

1 inclusive Dissemination, Communication and Exploitation Plan updated annually (D6.1, D6.4)
1 press release in all consortium languages (D6.1)
Organisation of 3 Sector Specific Workshops/Demo Events (D6.4-5)
Organisation of 1 Hackathon (D6.4-5)
Deliver 1 project Website (D6.2)
Create at least 5 social media channels (D6.2)
Have a community of at least 750 users in Facebook and Twitter (D6.4-5) - Number is wrong
Liaise with at least 20 other projects and 5 e-Infrastructures providers (D6.4-5)
Participate in at least 15 conferences/workshops (D6.4-5)
Publish at least 5 journal articles (D6.4-5)
Produce 2 promotional videos (D6.4-5)
Participate in at least 10 international fairs/events to advertise AEGIS (D6.4-5)

**Table 8. KPI targets defined in the AEGIS DoW.**



## 5. DATA MANAGEMENT AND HANDLING

The Data Management Handling Plan, developed in M6 (Deliverable 6.3) investigated the appropriate methodologies and open repositories for data management and dissemination, in order to offer, through open access repositories, as much as information, generated by the AEGIS project, as possible.

Internally, the consortium has primarily utilized the BSCW platform for sharing and collaboration. In order to push the generated material (data, publications, source code, etc) to the public, a variety of means was used. In particular:

- Links to public deliverables, published articles and dissemination material were posted in the designated areas of the AEGIS project website:
  - <https://www.aegis-bigdata.eu/public-results/>
  - <https://www.aegis-bigdata.eu/research-papers/>
  - <https://www.aegis-bigdata.eu/dissemination-material/>
- Open data sets were uploaded in Zenodo (<https://zenodo.org/communities/aegisproject/?page=1&size=20>) as well as in the running instance of AEGIS, under the datasets tree.
- References to all scientific publications can be found in ResearchGate, following the web address <https://www.researchgate.net/project/AEGIS-Advanced-Big-Data-Value-Chain-for-Public-Safety-and-Personal-Security-2>.
- The complete source code of the AEGIS platform and all related components, along with installation and user manuals are freely available in github (<https://github.com/aegisbigdata>).

## 6. SUMMARY AND CONCLUSIONS

In this deliverable we provide the final report for all communication, dissemination, stakeholder engagement and data management activities that took place during the AEGIS project. We summarized and evaluated the success of the undertaken actions based on the values of the defined key performance indicators. The consortium spent significant effort from the beginning of AEGIS towards promoting/communicating general information related to the project, through social media and other online sources. The hub for information retrieval was primarily the AEGIS website, through which the partners shared, apart from other news, more advanced updates, in the form of extended blog posts, relating to the platform and demonstrator implementation and evaluation, as well as all public material of the project. During the two and a half years of the project, the website was viewed upwards of 20,000 times by more than 4000 unique visitors. The knowledge produced within the project was also disseminated in a more targeted manner through participation in 27 international venues, organization of 8 events, such as workshops, demos and a hackathon, and publication of 12 scientific papers. Furthermore, through active participation in the Big Data Value Association and other stakeholder engagement activities, the consortium was able to maintain an extended list of industry and scientific contacts, liaise with partners from eight other EU projects and explore potential exploitation capabilities. Publications, data and the complete AEGIS source code are made available through open access sources.

## 7. APPENDIX

### 7.1. Activities Reporting Table

N O.	Type of activities	Main leader	Title	M	Place	Type of audience	Size of audience
1	Internal Event	All	Plenary Meeting	1			
2	Web	SUITE5	Project Portal	1	Web	All	Large
3	Presentation	FRAUNHOFER	Information and Networking Days on Horizon 2020 Big Data Public-Private Partnership topics 2017	1	Luxembourg	Scientific Community	Medium
4	Press Releases	FRAUNHOFER	AEGIS Big Data	1	Web	All	Large
5	Press Releases	UBITECH	AEGIS Big Data	1	Web	All	Large
6	Press Releases	HYPERTECH	AEGIS Big Data	1	Web	All	Large
7	Web	SUITE5	Social Media	2	Web	All	Large
8	Liaison with other projects	VIF	SCIENCE2SOCIETY H2020	2	Madrid	Other	Small
9	Publication	VIF	Quantified Vehicles – Novel Services for Vehicle Lifecycle Data	2	Business & Information Systems Engineering	Scientific Community	Large
10	Presentation	HYPERTECH	AEGIS at a Glance	3	Orbeet 4th Project Meeting, Vienna, Austria	Scientific Community	Small
11	Articles Published in the popular Press	GFT, HDI	The semantic analysis in big data world	3	Web	All	Large
12	Press Releases	EPFL	AEGIS Big Data	3	Web	All	Large

13	Conference	GFT	AEGIS Big Data	3	Web	All	Large
14	Press Releases	HYPERTECH	AEGIS Big Data	3	Web	All	Large
15	Press Releases	SUITE5	AEGIS Big Data	3	Web	All	Large
16	Presentation	VIF	VIF Working Group	3	Graz	Scientific Community	Small
17	Presentation	GFT	GFT Global Marketing team	3	-	Industry	Small
18	Presentation	GFT	Code_n management team	3	-	Industry	Medium
19	Press Releases	HDI	Talanx Newsletter	3	-	Industry	Large
20	Posters	Hypertech	Preliminary AEGIS Poster	3	Web	Other	Small
21	Flyers	Hypertech	Preliminary AEGIS Flyer	3	Web	Other	Small
22	Presentation	GFT	Insurance Forum	4	-	Industry	Medium
23	Presentation	Fraunhofer	Big Data Value PPP Technical Committee, 1st Meeting	5	Brussels	Scientific Community/ Industry	
24	Publication	VIF, EPFL	Quantified Cars. An exploration of the position of ICT start-ups vs. car manufacturers towards digital car services and sustainable business models	6	2nd International Conference on New Business Models in Graz	Scientific Community	Medium
25	Publication	VIF	Exploiting vehicle usage	6	Virtual Vehicle	Industry	Medium

			data for data-driven services		Magazine Nr. 24		
26	Publication	VIF	Modeling Driver States Based on Specific Driving Style Data	6	Human Factors and Ergonomic Society (HFES), Europe Chapter, Rome	Scientific Community	Large
27	Publication	SUITE5,FRAUNHOFER, NTUA	Big Data Analytics in Public Safety and Personal Security: Challenges and Potential	6	23rd ICE/IEEE International Technology Management Conference	Scientific Community	Large
28	Conference	SUITE5	Event title "The InsurTech journey...are we there yet?"	6	London Tech Week, London	All	Large
29	Conference	SUITE5	Net Futures 2017	6	Brussels	All	Large
30	Liaison with other projects	VIF	SCOTT H2020	6	Graz	Other	Small
31	Presentation	VIF	Graz Symposium Virtual Vehicle	6	Graz	Industry	Small
32	Liaison with other projects	NTUA	BIG DATA OCEAN	6	Madeira	Scientific Community	Small
33	Flyers	Hypertech	Project two pager flyer for inclusion in BDVA annual report	6	Web	Industrial	Large
34	Press Releases	GFT	GFT Newsletter	7	-	Industry	Large
35	Publication	VIF, EPFL	Digital Vehicle Ecosystems and New Business Models: An Overview of Digitalization Perspectives	8	i-KNOW 2017, Graz	Scientific Community	Large
36	Videos	Hypertech		9	-		Large
37	Internal Event	All	Plenary Meeting	9			

38	Press Releases	VIF	AEGIS Project	10	-	All	Large
39	Presentation	Fraunhofer	European Big Data Value Forum 2017	11	Luxembourg	Scientific Community/ Industry	
40	Internal Event	All	Plenary Meeting	13			
41	Workshops	Fraunhofer	AEGIS Big Data Workshop with department leaders of Berlin Senate	13	FRAUNHOFER, Berlin	Government / Smart City Community	
42	Publication	VIF	A Research Agenda for Vehicle Information Systems	14	Portsmouth	Scientific Community	Large
43	Flyers	Hypertech		14	-		Large
44	Presentation	VIF	The Vehicle Data Value Chain as a Lightweight Model to Describe Digital Vehicle Services	14	Dublin	Industrial Community	Large
45	Proceedings	VIF	Paper "The Vehicle Data Value Chain as a Lightweight Model to Describe Digital Vehicle Services"	14	Dublin	Industrial Community	Large
46	Flyers	Hypertech	BDVA Annual Flyer	14	Online	Scientific	Large
47	Webinars	Hypertech	participation in webinar	15			Small
48	Posters	VIF	Humans and Vehicles - A data-driven Approach	15	GSVF - Graz Symposium Virtual Vehicle - Artificial	Industrial Community	Large

					intelligence meets model-centric design 5/1/2018		
49	Demo	VIF	Trip Data Visualizer: (Parameterized) event detection	15	GSVF - Graz Symposium Virtuel Vehicle - Artificial intelligence meets model-centric design 5/1/2018	Industrial Community	Large
50	Conference	Suite5	Analytics Summit 2018	16	London	Industrial Community	Medium
51	Presentation	EPFL, GFT	For what it's worth: a multi-industry survey on current and expected use of big data technologies	16	Cyprus	Scientific Community	Medium
52	Flyers	Hypertech	Project two pager flyer for inclusion in BDVA annual report	16	Web	Industrial	Large
53	Presentation	EPFL	Trip Data Visualizer	17	BDVA Sofia	Industrial Community	Large
54	Internal Event	All	Plenary Meeting	18	Stockholm	Consortium	Small
55	Workshops	VIF FOCUS	Big Vehicle Data to Digital Services	20	Vienna	Scientific & Industrial	Medium
56	Presentation	VIF	Presentation of AEGIS Automotive Demonstrator in Workshop "Policy issues, opportunities and barriers in big	20	Vienna	Scientific & Industrial	Medium

			data-driven transport"				
57	Internal Event	All	Review Meeting	21	Luxemburg	Consortium	Small
58	Internal Event	All	Plenary Meeting	22	Athens	Consortium	Small
59	Conference	KONKAT	ICT 2018 Conference	24	Vienna	Scientific & Industrial	Large
60	Publication	EPFL, GFT	For what it's worth: a multi-industry survey on current and expected use of big data technologies	24		Scientific	Large
61	Liaison with other projects	KONKAT	Liaison with My air coach H2020 project	24	Vienna	Other	Small
62	Liaison with other projects	KONKAT	Liaison with Heartman H2020 project	24	Vienna	Other	Small
63	Standardization	VIF	Becoming a member of the work group of the International Standardization Organization: ISO/TC 22/SC 31/WG 6	24			
64	Liaison with other projects	KONKAT	Liaison with Flexcoop H2020 project	24	Vienna	Other	Small
65	Presentation	VIF	Exploiting vehicle measurement data to deliver novel data-driven services	27	Big-Data AI.Summit (Berlin)	Industrial Community	Large
66	Liaison with other projects	VIF	Liaison with H2020 EVOLVE project,	27	Graz	Other	



			presented automotive demonstrator in project meeting				
67	Publication	VIF	AMCIS 2019, Paper title "Understanding Data-driven Service Ecosystems in the Automotive Domain"	28	Cancun, Mexico	Scientific & Industrial	Large
68	Publication	KTH	ePipe: Near Real-Time Polyglot Persistence of HopsFS Metadata	29	CCGRID 2019	Scientific & Industrial	Large
69	Publication	Suite5, Ubitech	Personalised Monitoring and Recommendation Services for At-Risk Individuals Employing Machine-Learning and Decision Support	29	IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI)	Scientific & Industrial	Large
70	Flyers	KONKAT	Demonstrator Flyer	29	Printed	Industrial Community	Medium
71	Publication	KTH	Scalable Block Reporting for HopsFS	29	IEEE BigDataCongress'19	Scientific & Industrial	Large
72	Posters	KONKAT	AEGIS Banner for Event with Fraunhofer as participants	29	Printed	Scientific & Industrial	Medium
73	Internal Event	All	Plenary Meeting	29	Graz	Consortium	Small
74	Webinars	KONKAT	BDVe webinar	29	Web	Industrial	Medium
75	Articles Published in the popular Press	HDI	Article promoting AEGIS	29	Talanx group Slack channel	Industrial	Large

76	Flyers	KONKAT	Platform Flyer	30	Printed	Industrial Community	Medium
77	Videos	KONKAT		30	-		Large
78	Hackathons	NTUA	Digital Innovation and Startups Entrepreneurship	30	Web	Scientific	Small
79	Liaison with other projects	NTUA	Liaison with BigDataOcean H2020 project for organization of the Hackathon	30	Web	Scientific	Small
80	Demo	Suite5, Ubitech, KONKAT	Demonstrator Demo Event	30		Other	Small
81	Demo	GFT	Platform Demo Event	30	Web (With SIA)	Industrial	Small
82	Demo	GFT	Platform Demo Event	30	Web (With Poste)	Industrial	Small
83	Demo	HDI	Demonstrator Demo Event	30	HDI Premises	Scientific	Small
84	Demo	Fraunhofer	OW2Con 2019	30	Paris	Industrial	Large
85	Conference	GFT	Big Data Value Association Meetup	30	Riga	Industrial	Medium

**Table 9. Activities Reporting Table.**

	Sums		
Type of Activity	M1-M12	M13-M24	M25-M30
Publications	6	2	4
Conferences	3	2	1
Workshops	0	2	0
Web	2	0	0
Press Releases	9	0	0
Flyers	2	3	2
Articles Published in the popular Press	1	0	1
Videos	1	0	1

Liaison with other projects	3	3	2
Presentations	9	3	1
Internal Events	1	4	1
Webinars	0	1	1
Interviews	0	0	0
Standardization	0	1	0
Demo	0	1	5
Hackathons	0	0	1
Posters	1	1	1

**Table 10. Activities Reporting Table Summary Statistics.**

Google analytics	M1-M12	M13-M24	M25-M30	Overall
Visitors	728	1520	1854	4102
Page Views	3280	4601	12780	20661
Average Time	2.33	2.01	1.56	2.05
Social Media	M1-M12	M13-M24	M25-M30	Overall
Facebook-Posts	85	56	173	314
Facebook-Followers	70	31	7	108
Facebook-Likes	70	31	271	372
Twitter-Tweets	180	98	69	347
Twitter-Followers	90	150	550	790
Twitters-Likes	10	6	1	17
Other-Posts	20	5	4	29
Other-Followers	12	0	0	12
Other-Interactions	100	19	3	122
Blog Posts	M1-M12	M13-M24	M25-M30	Overall
Posts	10	15	6	31
Interactions (Same as No of posts, minimum number guaranteed, no other way to compute)	10	15	6	31
EU	1	1	4	6
	M1-M12	M13-M24	M25-M30	Overall
Newsletters	3	2	3	8
	M1-M12	M13-M24	M25-M30	Overall
Links to Website (Assume each partner has a link in his website towards AEGIS)	9	0	0	9

	M1-M12	M13-M24	M25-M30	Overall
AEGIS Groups with Demonstrators (Interactions with technical partners is counted)	2	2	2	6

**Table 11. Other Activities Reporting Summary.**