

CROSS FERTILISATION THROUGH ALIGNMENT, SYNCHRONISATION AND EXCHANGES FOR IoT

H2020 – CREATE-IoT Project

Deliverable 07.04

IoT FA dissemination and collaboration activities report year 2

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RE	Restricted to a group specified by the consortium (including the Commission Services)	
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DoW	This outcome is the second of three deliverables described in WP07, for reporting the coordination and dissemination activities carried out by CREATE-IoT partners. This deliverable describes the events that have been carried out in Year 2, the synergies in the LSPs and the impact these events have had on the communities affected.		
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Table of contents

1. Executive Summary	5
1.1. Publishable summary	5
1.2. Non-publishable information	5
2. Introduction	6
2.1. Purpose and target group.....	6
2.2. Contributions of partners.....	6
2.3. Relations to other activities in the project.....	7
3. CREATE-IoT, U4IoT and Activity Groups.....	8
3.1. CREATE-IoT internal meetings	8
3.1.1. Consortium meeting (February 2018).....	8
3.1.2. Consortium meeting (June 2018).....	8
3.1.3. Consortium meeting (October 2018).....	9
3.2. Collaboration with U4IoT	9
3.2.1. IoT European Large-Scale Pilots programme workshop on Focus Area Internet of Things.....	10
3.3. Activity Group 08 activities	10
3.4. List of relevant events	12
4. Dissemination.....	14
4.1. Social Media	14
4.1.1. Twitter	14
4.1.2. LinkedIn	15
4.1.3. Facebook	15
4.1.4. Social media KPIs and 2018 achievements.....	16
4.1.5. Social media promotion of the IoT Week 2018	16
4.2. Website.....	16
4.3. Programme's newsletter.....	17
4.4. Events.....	18
4.4.1. Pre-opening of the Bulgarian Presidency of the European Union.....	20
4.4.2. Private high-level dinner chaired by Commissioner Mariya Gabriel.....	21
4.4.3. Standardisation, Architecture and Interoperability Workshop #1	22
4.4.4. Trust in Invisible Agents	22
4.4.5. Seminar of Accountability in the Digital Age.....	22
4.4.6. IoT, 5G & Ecosystems	23
4.4.7. H2020 IoT Security Cluster Workshop.....	23
4.4.8. FUTURE SESSIONS on Fault Lines in IoT: Trust in Invisible Agents	24
4.4.9. Worldwide Initiatives for IoT, Living in the IoT	24
4.4.10. NEXT THINGS NEXT STARTS	24
4.4.11. Conference on Internet of Things in Trade Facilitation, UNCEFACT	25
4.4.12. Standardisation, Architecture and Interoperability Workshop #2	25
4.4.13. Nuances of trust: building trust for IoT adoption and sustainability	26
4.4.14. IoT Security and Privacy Booth – IoT Week 2018	26
4.4.15. European IoT LSP Programme Booth – IoT Week 2018.....	27
4.4.16. IoT Security & Privacy Capacity Building Workshop – IoT Week 2018	29
4.4.17. eHealth & Smart Home Data Protection – IoT Week 2018	29
4.4.18. STARTS Exhibition	29
4.4.19. STARTS Reception.....	30
4.4.20. "Why should IoT engage with artists?" - IoT Week 2018.....	30
4.4.21. Business Model Innovation as Driver for Change Workshop – IoT Week 2018	31
4.4.22. Standardisation, Architecture and Interoperability Workshop#3 – IoT Week 2018	32
4.4.23. Iterative Innovation in the IoT LSPs, SMEs, start-ups and Open Calls	32
4.4.24. Huawei Europe IoT Business Acceleration Summit @CEBIT 2018	32
4.4.25. Benefits and Challenges of 5G from a Security Perspective – ETSI Security Week 2018	33
4.4.26. Future-Proof Security and Privacy in IoT - ETSI Security Week 2018	33
4.4.27. Munich Tech Fest.....	34
4.4.28. Digital Assembly 2018.....	34
4.4.29. Trust in Invisible Agents, a round-table at Ars Electronica	34

4.4.30. Iberian Nanotechnology Laboratory (INL) Summit.....	35
4.4.31. What Culture for the Cities of the 21st Century?	35
4.4.32. World Usability Day	35
4.4.33. H2020 IoT Security Cluster Workshop	36
4.4.34. Standardisation, Architecture and Interoperability Workshop#4	36
4.4.35. Second Privacy & Data Protection Summit	36
4.4.36. Private High-Level Meeting at BOSCH Corporate Research	37
4.4.37. FIWARE Summit.....	37
4.4.38. ICT 2018	38
4.4.39. STARTS Talk on Cybersecurity and IoT.....	39
4.4.40. EU & India Clustering on IoT technologies for Smart Agriculture – ICT 2018	39
4.4.41. Talk and Panel: Making Sense of Invisible Agents as part the session Art, The Human Touch of Technology – ICT 2018	40
4.4.42. LSP projects presentation at STARTS booth - ICT 2018.....	41
4.5. Publications	42
4.5.1. IoT European Large-Scale Pilots Programme: Large-Scale Pilots Projects (Brochure)	42
4.5.2. IoT European Large-Scale Pilots Programme: Large-Scale Pilots Projects (Brochure Brief) ...	42
4.5.3. Next Generation Internet of Things Distributed Intelligence at the Edge and Human Machine-to-Machine Cooperation	42
5. Conclusions	44

1. EXECUTIVE SUMMARY

1.1. Publishable summary

This document summarise the coordination and dissemination activities carried out by the CREATE-IoT partners in the second year of the project, and is a part of WP07, where the objective is to define a communal collaborative communication strategy for the IoT European Large-Scale Pilots (LSPs) Programme coordinated by the CREATE-IoT and U4IoT projects and aligned with the communication and collaboration strategy of the five LSPs forming the IoT European Large-Scale Pilots Programme. The events, the synergies in the LSPs and the impact these events have had on the communities affected, web-site and event statistics are described.

1.2. Non-publishable information

This document is public.

2. INTRODUCTION

This deliverable presents all activities carried out in the second year of the project. The deliverable is divided in 2 main areas:

- **Coordination:** reports all coordination actions organised by CREATE-IoT, meant to coordinate dissemination and collaboration activities across the IoT-LSPs initiative (Activity Group 08).
- **Dissemination:** reports all dissemination activities carried out by CREATE-IoT partners.

2.1. Purpose and target group

This document reports on the activities of WP07, as carried between the months 12 and 24 of the CREATE-IoT project. The WP07 objective is to define a communal collaborative communication strategy for the IoT European Large-Scale Pilots (LSPs) Programme coordinated by CREATE-IoT and U4IoT and aligned with the communication and collaboration strategy of the five LSPs forming the IoT European Large-Scale Pilots Programme.

2.2. Contributions of partners

UNP: who is responsible for the deliverable, worked on the initial structure of the document, and on the integration of all contributions into a final report. All CREATE-IoT partners contributed to the deliverable by providing the report of each activity (coordination and dissemination) they executed in the 2nd year of the project.

AL: produced an overview of the dissemination activities performed during the second year of the project. The issues addressed in the context of the dissemination activities fall under the scope of Work Package 5 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT"

MI: as a participant of AG08 has contributed to the dissemination of the project through different initiatives and through the participation to numerous events. MI was involved in the coordination of the IoT week 2018 in Bilbao. MI has supported the participation of CREATE-IoT to the IoT week 2018. MI organized the IoT Security and Privacy booth at the IoT Week, as a joint activity between CREATE-IoT and U4IoT with the five LSPs. MI attended the ENOLL conference and supported the booth at the ICT2018 Vienna booth as partner in CREATE-IoT and U4IoT.

ETSI: has been advertising the results of CREATE-IoT via its role as chair of AIOTI WG03 in many events in a variety of IoT related events. ETSI has also been co-author of Chapter 3 of the IERC Book 2018.

SINTEF: As the project coordinator SINTEF has led the consortium meetings and participated in several FA dissemination and collaboration activities together with U4IoT and the other partners. As WP leader of "WP01 Coordination and Support to the IoT Focus Area" was actively involved in the activities of AG08 and contributed to the CREATE-IoT coordination and project activity meetings, to the FA dissemination and collaboration activities. SINTEF has promoted the programme and the project at European and global events and was invited to give presentations in diverse audiences, including industry, public sector organisations, consumer organizations and other stakeholders with an interest in the IoT European ecosystem. SINTEF used different channels such as IERC (Cluster Book 2018, news, etc.) and AIOTI to promote the programme.

IDC: As former WP07 leader until the handover to the new partner ANYSOL, IDC contributed to several sections of the deliverable reporting about the dissemination and communication activities both online and offline carried out throughout the 2nd year of the project.

IDATE: IDATE contributed to the deliverable by a description of the events in which the CREATE-IoT project was promoted. IDATE has also been co-authoring of Chapter 3 of the IERC Book 2018.

TL: Promoted the activities on security and standardisation in WP05 and WP06.

ARTS: Promoted the integration of artistic practices in the LSPs programme and supported the engagement of SMEs aiming at the creation of innovative new small businesses at the intersections of the areas of competence of the 5 pilots. It hinted at alternative and unexpected approaches to IoT that press the key issues for strengthening of the potential of the EU as safe haven for IoT deployment: free flow of data, interoperability and trust. Trusts has been addressed from the umbrella perspective of cybersecurity. ARTS promoted the link with the DSM initiative STARTS, European Parliament and NATO.

BLU: has provided the events where they have promoted and publicised the IoT European Large-Scale Pilots Programme at various key ecosystem events throughout Europe reach a wide variety of stakeholders. This includes the workshop on SME engagement as part of the activities within WP03 and activity group 4 participation.

ERCIM: contributed to the CREATE-IoT dissemination and collaboration activities through participation in a variety of IoT related events, and through the W3C Web of Things activities.

FE: produced an overview of the outward facing dissemination activities performed during the second year of the project. The issues addressed in the context of the dissemination activities fall under the scope of Work Package 3 on "Innovation, Creation, Adoption" and especially in the specific area of ICT/IoT and Arts.

ATOS: leader of WP03 has been promoting the IoT European Large-Scale Pilots Programme in the context of European initiatives and partnerships addressing the Digital Single Market. These activities have special relevance for the LSPs and CREATE-IoT at high national and European policy making. ATOS has also been co-authoring of Chapter 3 of the IERC Book 2018.

ANYSOL: ANYSOL as dissemination partner, gave great visibility to the partners participation in ICT2018 through the social networks and also as media partner, by taking pictures and editing different videos of the events. Interviews to the partners from the LSPs were carried out, collecting their feedback and impressions on the event, IoT, etc.

AS: AS has contributed to the dissemination of CREATE-IoT and the LSPs through several activities, including the organizing with MI of the IoT Security and Privacy booth at the IoT Week 2018, taking part in and organizing sessions on IoT security and data protection at the IoT Week and ICT 2018.

GRAD: has described the events where they have promoted and publicised the IoT European Large-Scale Pilots Programme at various key ecosystem events throughout Europe reach a wide variety of stakeholders.

2.3. Relations to other activities in the project

This document reports on all the coordination and dissemination activities carried out by CREATE-IoT partners and so it relates to all other project tasks. Of course, each coordination/dissemination activity may be focused on some specific activity from one of the projects tasks: this is detailed in each of the coordination and dissemination activity individual reports.

3. CREATE-IoT, U4IoT AND ACTIVITY GROUPS

In order to implement the communications strategy to coordinate and support the IoT European Large-Scale Pilots Programme, activity group 08 on Communication, Collaboration Strategy and Liaisons was created. This 2nd year of the project, and following a recommendation from EC, CREATE-IoT assumed a supporting role in AG08, by helping the LSP in their communication activities, but leading the development of the IoT-LSPs web portal.

3.1. CREATE-IoT internal meetings

In addition to regular contact through teleconferences and emails, the arranged project activity meetings paved way for the other activities and collaboration in the project. The official project activity meetings are listed and summarized below.

Table 1: CREATE-IoT coordination and activity meetings

Name	Place	Date
Consortium meeting	Madrid, Spain	08-09.02.2018
Consortium meeting	Bilbao, Spain	07.06.2018
Consortium meeting	Brussels, Belgium	19.10.2018

3.1.1. Consortium meeting (February 2018)

- **Date:** 08-09 February 2018
- **Venue:** Madrid, Spain
- **Summary:** Meeting background information: Present the activities of each work package and task. Discuss and refine the structure, objectives, content for each deliverable. Define the mapping with activity groups, the action plan for the Consortium and the activities for each partner during the next months.

The main technical meeting objectives addressed were to follow up the activities of the different WPs, partners' progress and tasks/deliverables overview, activity groups' coordination and objectives, alignment with the WPs and Tasks, web portal, communication strategy, internal and external collaboration, alignment with U4IoT on the main events during the next period, action plan, events and meetings schedule.

3.1.2. Consortium meeting (June 2018)

- **Date:** 07 June 2018
- **Venue:** Bilbao, Spain
- **Summary:** Status of the implementation of the new changes to the DoW action plan in the different WPs/AGs. How the comments from the reviewers were implemented and solve (by whom and when). Schedule the next meetings and check the status of activity groups and interactions with the IoT LSPs. Prepare the midterm report. Alignment between the WPs and AGs, update status of the web portal, communication strategy, internal and external collaboration, alignment with U4IoT on the main events during the next period. Project management, administration and financial reporting m18. Meeting scheduling. Deliverables scheduling and quality control. Events planning and F2F meetings 2018 (September-December, Review, etc.). Plan the coordination meeting October 2018 and review planning. Action plan and meetings schedule.

3.1.3. Consortium meeting (October 2018)

- **Date:** 19 October 2018
- **Venue:** Brussels, Belgium
- **Summary:** The meeting was held after the European IoT LSP Programme Cluster Meeting and was focused on the upcoming project review (October 25). Each WP leader presented the progress of the work so far, the key outcomes and the next steps.

3.2. Collaboration with U4IoT

Several activities took place during this 2nd year of the project with the collaboration of both CREATE-IoT and U4IoT.

Besides the joint coordination of the AG08 before the handover to Schuttelaar & Partners, CREATE-IoT has been collaborating on multiple tasks with U4IoT. Regular calls (2 every month) between the two projects are carried out to align on different activities, including website management and social media, cross-publishing reciprocal social media messages to maximise audiences.

The two CSAs worked together on a book to be published by Springer on IoT Security and Privacy. A chapter in this book is dedicated to end-user engagement which combines and comments on work conducted by both CREATE-IoT and U4IoT. In addition, U4IoT coordinates the AG04-IoT accelerators ecosystems and market place, which is focused on the support of the ecosystem, the development of a cluster map of the IoT pilots and the support of the Open Calls. CREATE-IoT has participated to this Activity Group as well and supported its activities, as described above, for example by carrying out video-interviews in support of the open calls.

In the recent months the collaboration between the two projects has been strengthened and intensified in order to meet the recommendations made in the Review Report. In particular:

- The two CSAs collaborated on the re-design of the Programme's website.
 - It was updated in order to communicate a stronger link between the LSPs and the CSAs under the Programme;
 - A section dedicated to the Open Calls of the LSPs was designed by CREATE-IoT and U4IoT in order to offer an entry point to the applicants.
- The two CSAs managed two booths at the IoT Week 2018 to represent the Programme, distributed the marketing materials and presented the Programme to the visitors;
- The two projects collaborated on the video interviews to promote the Open Calls launched by three LSPs (ACTIVAGE, IoF2020, and SYNCHRONICITY) that were carried out at the IoT Week 2018 and that were published online on the Programme's website and YouTube channel, as well as on the LSPs' websites.

This was a clear recommendation from the EC. The next table provides an overview of the activities carried out as part of this collaboration.

Table 2: CREATE-IoT and U4IoT collaboration meetings/activities.

Meetings	Purpose	Type	Where	Date
AG04 Meeting	Coordination of the IoT Week interview on the open calls and landing page on the website	Conf Call	Virtual meeting	17.05.2018
U4IoT -Create	Coordination	Conf Call	Virtual meeting	29.05.2018

IoT Week 2018- Create IoT U4IoT meeting	Collaboration and coordination	Meeting	Bilbao	05.06.2018
Coordination Meeting Call	U4IoT / CREATE IoT alignment	Conf Call	Virtual meeting	09.07.2018
ENoLL Conference	Dissemination	Joint booth	Geneva	22-24.08.2018
Coordination Meeting Call	U4IoT / CREATE IoT alignment	Conf Call	Virtual meeting	10.09.2018
IoT European Large-Scale Pilots programme workshop on FA IoT	U4IoT / CREATE IoT Meeting	Meeting	Brussels	17.10.2018
Coordination Meeting Call	U4IoT / CREATE IoT alignment	Conf Call	Virtual meeting	12.11.2018
Coordination Meeting Call	U4IoT / CREATE IoT alignment	Conf Call	Virtual meeting	17.12.2018

3.2.1. IoT European Large-Scale Pilots programme workshop on Focus Area Internet of Things

- **Date:** 17 October 2018
- **Venue:** Brussels, Belgium
- **Summary:** This workshop gathered not only members of both CSAs – CREATE-IoT and U4IoT – but also representatives of all LSPs and members of the EC. The objective was to discuss the status of all Activity Groups and decide on the next steps and directions for the overall LSPs initiative.

During the 17th, different AGs meetings were organised at SMIT Centre of the Vrije Universiteit Brussels

- AG01, by EC, CREATE-IoT
- AG04, moderated by EC, U4IoT
- AG05, moderated by EC, CREATE-IoT, U4IoT
- AG08, moderated by IoF2020

3.3. Activity Group 08 activities

CREATE-IoT, represented by SINTEF, coordinated the Activity Group in the period between January 2017 and February 2018 in collaboration with U4IoT, before the handover to the new AG08 coordinator.

In that period, CREATE-IoT was responsible for different tasks:

- Coordination of the Programme's communication activities, including the management of the virtual meetings every three weeks, from January 2017 to February 2018;
- Organization of face to face meetings every 4 months, in alignment with common events;
- Deployment, maintenance and continuous update of the Programme's website;
- Design and management of the Programme's social media channels: Twitter, Facebook and YouTube accounts;
- Production of a set of marketing materials: the IoT LSP Programme's brochure printed in February 2018, and the Programme's visual identity (including the logo and common templates).

This second year, the CSAs assumed a supporting role, helping organize regular meetings and activities making it possible to obtain reciprocity and to promote sharing and cooperation with the partners of each project. In particular, CREATE-IoT:

- Provided inputs and feedback to the AG08 Communication Strategy: the project contributed to the AG08 Communication Strategy aiming to develop effective communication activities for the Programme by engaging effectively with all stakeholders and various ecosystems; demonstrating the success of the work performed by the projects and partners; ensuring that people, public authorities, regional and national representatives understand what the Programme does and can follow the progress.
- On the basis of the recommendations produced by the reviewers, upgraded and relaunched the Programme portal, including links to the Open Calls landing page, and CREATE-IoT website in June 2018 in time for the IoT Week. The aim was to improve their attractiveness and usability.
- Supported the collaboration in the launch of the Programme's social media channels (Twitter account, Facebook account, YouTube account) in close interaction with the project's social media channels;
- Produced a set of 22 video interviews to promote the LSPs, including their pilot projects, the open calls, as well as other IoT stakeholders during the IoT Week 2018;
- Continued the collaboration with the AG08 for the production of new marketing materials (new brochure, leaflets, stickers) and the Programme's visual identity (logo, selection of colours for each LSP);
- The project participates in every periodical meeting and provides contributions and inputs to the ongoing collaboration activities, as follows:

Table 3: AG08 Coordination meetings/activities

Meetings	Purpose	Type	Where	Date
AG8 Call	Launch of strategy	Conf Call	Virtual meeting	04.04.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	18.04.2018
AG8 meeting	Communication and dissemination	Meeting	Brussels	26.04.2018
AG8 Call	Alignment	Conf Call	Virtual meeting	27.04.2018
IDC / Schut-telaar Call	Coordination of social media channels and website	Conf Call	Virtual meeting	16.05.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	17.05.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	29.05.2018
IoT Week 2018 - AG08 meeting	Communication and dissemination	Meeting	Bilbao	04.06.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	19.06.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	03.07.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	17.07.2018

AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	03.10.2018
AG8 review meeting	Review meeting	Meeting	Brussels	18.10.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	30.10.2018
AG8 Call	Activities progress + handover to new coordinator	Conf Call	Virtual meeting	11.12.2018
AG8 Call	Status check- activities progress	Conf Call	Virtual meeting	12.11.2018

3.4. List of relevant events

Table 4 provides a list of relevant events that are planned for 2019, by the CREATE-IoT consortium, U4IoT and the LSPs.

Table 4: Main Events targeted in 2019

Date	Event	Location	Topic/Audience	Suggested Contribution
January 2019	Connected Smart Cities Conference 2019	Brussels, BE	The Connected Smart Cities Conference is the place for cities, research, policy makers and businesses to come together and to connect to the forefront of human-centric societal development of technologies, markets, and policy in the 21st century	Attendance and dissemination support
February 2019	SMEs engagement	TBD		
April 2019	Workshop n°5 LSPs use cases	TBD	Workshop on Integration and standardisation alignment	
June 2019	Workshop n°6 IoT Standardisation		Workshop on IoT Standardisation activities	
June 17-21 2019	IoT Week	Aarhus, DK	Conference where leaders from the worlds of business, tech and science shed light on the future of technology and its impact on business and life	Booth, sessions and dissemination support
June 17-21 2019	Global IoT Summit 2019	Aarhus, DK	The GIOTS present peer reviewed papers that will be published by IEEE.	A specific workshop on IoT pilots has been set up to promote the work achieved by the CSAs and the LSPs
June 17-21 2019	Global IoT Summit 2019	Aarhus, DK	Workshop on use of artistic practices in addressing complex issues in IoT systems	Knowledge sharing from key industry, artist and user stakeholders, followed by an artist-led approach to investigations of the ways new technologies impact end users, businesses, governments and society.
June 19-20	IoT Tech Expo	Amsterdam, NL	Commercial IoT experts from Manufacturing, Transport, Supply Chain, Insurance, Logistics, Government, Energy and Automotive	

September 2019	Workshop n°7 Common IoT Standardisation Framework		Workshop on the Common IoT Standardisation Framework	
2019	Series of IoT Security, Privacy & Trust Webinars	Web-based Webinars	The central themes of the webinars are: A. Personal Wearables (H2x): Health, Living, Public Space, and other verticals B. Moving Sensors (M2x): Farm2Fork, Mobility, Cities, and other verticals C. Long Term Fixed IoT Applications (M2x): Industry 4.0, Cities, Water Management, Energy, Construction, Living, and other verticals.	Arthur's Legal together with its partners in both AIOTI and CREATE-IoT will now commence with a new Series of IoT Security, Privacy & Trust Webinars during 2019.
TBD	IoT FA Conference	TBD		
TBD	ICT 2019	TBD		

A list in Excel format is being constantly updated by all of CREATE-IoT's partners as well as by all the participants in the European IoT Large-Scale Pilot Programme. CREATE-IoT collects the inputs from each participant so as to have a comprehensive and up-to-date list of the events' dates, locations, topics, types of attendance and suggest/make sure that an appropriate contribution from the overall programme is maintained.

4. DISSEMINATION

This section presents all the social media activities, participation on events and publications for which CREATE-IoT has carried out dissemination activities during the year 2018 (between M12 and M24).

4.1. Social Media

CREATE-IoT relies on different social media channels to maximize the dissemination range and impact of the project among the stakeholders' community, as well as to increase the visibility of the European IoT Large-Scale Pilots Programme and of the LSPs. The different channels deployed are expected to serve both as promotional and publicity channels, as well as interactive communication tools with stakeholders. Furthermore, the channels are meant to be exploited to redirect visitors to the websites of the project and the Programme, with the aim to give access to published contents, such as deliverables, news and information regarding upcoming events.

More specifically, content posted via social media channels comprises:

- News related to the project, the Programme or the LSPs;
- News on latest findings and published resources (deliverables, white papers, reports, articles);
- Relevant IoT-related news;
- Event information / promotion of events;
- Highlights from events and conferences;
- Reports / photos / videos of events;
- Relevant IoT-related posts by other people / organizations.

The project has launched the following social media accounts, whose details (handles, links, screenshots, data on current performance to-date) are provided below.

4.1.1. Twitter

Username: @CreateIoT_eu

Link: https://twitter.com/CreateIoT_eu

Date of implementation: 19.02.2018



Figure 1: CREATE-IoT Twitter page

4.1.2. LinkedIn

Username: CREATE-IoT

Link: <https://www.linkedin.com/company/create-iot/>

Date of implementation: 20.02.2018

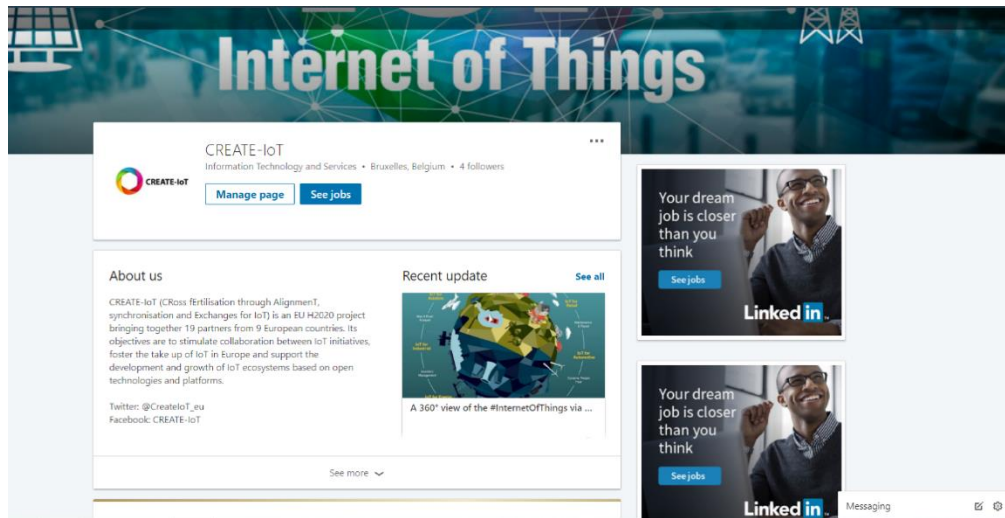


Figure 2: CREATE-IoT LinkedIn page

4.1.3. Facebook

Username: @CREATEIoT

Link: <https://www.facebook.com/pg/CREATEIoT/posts/>

Date of implementation: 15.02.2018



Figure 3: CREATE-IoT Facebook page

4.1.4. Social media KPIs and 2018 achievements

Table 5 provides information regarding the Target KPIs on CREATE-IoT social media, along with the achievements during 2018 (from February to December).

The KPIs are periodically measured against the actual performance of the social media channels in order to assess the success of the communication efforts. Table 5 shows all CREATE-IoT social media activities carried out in the 2nd year of the project.

Table 5: CREATE-IoT Social media KPIs and 2018 achievements

CREATE-IoT social media channels		KPIs Targets	Achievements Feb – Dec 2018
Twitter	Number of followers (Y2)	200	443
	Number of tweets	At least 4 tweets per week	Total number: 694
	Total impressions (Y2)	50,000	207.900
	Total engagements (Y2)	1000	2000
	Av. Engagement rate (Y2)	2%	3%
	Number of followers (Y2)	50	37
LinkedIn	Number of posts	At least 4 posts per week	Total number: 200
	Total impressions (Y2)	5,000	6.000
	Number of followers (Y2)	50	140
Facebook	Number of posts	At least 4 posts per week	Total number: 200
	Page views (Y2)	300	400
	Post Engagements	400	600

4.1.5. Social media promotion of the IoT Week 2018

Table 6 presents the statistics of the social media coverage for the IoT Week 2018.

Table 6: IoT Week 2018 - Social media coverage

	Pre-event	During the event	Post event	Total
Facebook	23 posts	34 posts	2 posts	59 posts (including re-posts)
LinkedIn	20 posts	21 posts		41 posts (including re-posts)
Twitter	10 tweets + 12 retweets	18 tweets + 46 retweets	2 retweets	88 posts (28 tweets + 60 retweets)

4.2. Website

A fresh design for the website was implemented prior to the IoT Week, during which the number of visitors increased exponentially. Most of the traffic since then has originated from organic and direct users (73.5%), indicating that users are coming back to the website frequently. The large percentage of returning users (40.5%) indicates high engagement. The users-per-page-views ratio (20.4%) suggests that users are visiting multiple pages, offering the promise of maintaining or even increasing engagement. Time spent on a page (1:41), pages per session (2.92s) and loading time (<3 seconds) are good indicators of content quality and performance.

The peaks during business days and office hours, as well as the drops during weekends, give an indication of the target audience. Technology indicators related to browsers, operating systems, etc., are useful for further performance measures and improvements.

The CREATE-IoT project website is linked to the portal and provides access to the information and key outputs of the project. It is available at this URL: <https://european-iot-pilots.eu/create-iot/>.

The Programme website has been deeply revised in time for the IoT Week in June 2018 in order to improve its attractiveness and usability. Table 7 provides the target KPIs for the website.

Table 7: Programme website KPIs - Targets

Website KPIs	Target Year 1	Target Year 2	Final Year 3
Number of visitors – cumulative total	2,500	7,000	12,500
Number of downloads - cumulative total	50	150	500
Number of pages visited - cumulative total	4,000	11,500	20,000

4.3. Programme's newsletter

The aim of this newsletter is to promote the European IoT LSP Programme outside the Programme community of stakeholders in order to increase the visibility of the initiative and attract more players. The newsletter has been developed by CREATE-IoT in the context of the collaboration with the LSPs through the AG08 and it is planned to be released on a quarterly basis. It leverages first of all IDC's network of contacts in the overall ICT industry and other interested users that subscribe to the newsletter on the Programme website. The first release was sent out on October 29 to the contact database structured as follows:

- 1,541 overall contacts;
- 41 countries (EU28 + 13 others);
- Sectors:
 - 47% industry;
 - 22% government;
 - 21% research & academia;
 - 10% Industry associations/ Foundations / Union.

CREATE-IoT launched a subscription campaign on the social media in the weeks before the release and is carrying out an ongoing promotion to maximise its reach.



Figure 4 Subscription campaign for the IoT LSP Newsletter

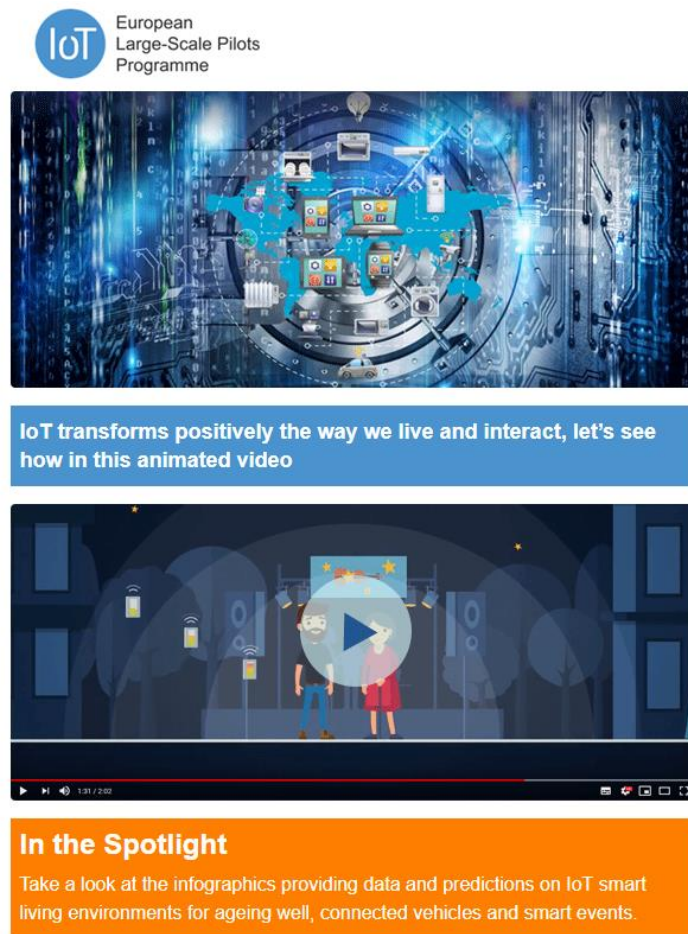


Figure 5: Section of the first release of the IoT LSP Newsletter

The newsletter statistics for the first release¹ as of December 19 are as follows:

- **Open rate:** 57.14%
- **Click-Through Rate:** % (number of clicks/ opened) = 70%

4.4. Events

Table 8 below shows all CREATE-IoT events participated by CREATE-IoT during 2018. These events are detailed in the following subsections with their respective place, date and summary description.

Table 8: CREATE-IoT dissemination Events

Event Name	Venue	Partner	Date
Pre-opening of the Bulgarian Presidency of the European Union	NDK, Sofia, Bulgaria	ARTS	06.01.2018
Private high-level dinner chaired by Commissioner Mariya Gabriel	Sofia, Bulgaria	ARTS	06.01.2018
Standardisation, Architecture and Interoperability Workshop#1	Brussels, Belgium	ETSI	10.01.2018

¹ Available at <http://www.cvent.com/pub/WebEmails/WebEmail.aspx?em=e17721e7-45a6-41dc-b8d1-2f8d3fa0c92a&lang=it-IT>

Trust in Invisible Agents	Dundee, UK	FE, AL	16.01.2018
Seminar of Accountability in the Digital Age	Barcelona, Spain	AL	27.02.2018
IoT 5G & Ecosystems	Barcelona, Spain	AL	27.02.2018
H2020 IoT Security Cluster Workshop	Brussels, Belgium	AL	20.03.2018
FUTURE SESSIONS on Fault Lines in IoT: Trust in Invisible Agents	Manchester, UK	FE, AL	22.03.2018
Worldwide Initiatives for IoT, Living in the IoT	London, UK	BLU	28-29.03.2018
NEXT THINGS NEXT STARTS	Gijon, Spain	ARTS	12.2017-03.2018
Conference on Internet of Things in Trade Facilitation, UNCEFACT	Geneva, Switzerland	BLU	24.04.2018
Standardisation, Architecture and Interoperability Workshop#2	Brussels, Belgium	ETSI	26.04.2018
Nuances of trust: building trust for IoT adoption and sustainability	London, UK	AL, BLU	14-15.04.2018
IoT Security and Privacy Booth – IoT Week 2018	Bilbao, Spain	MI, AS, AL, IDC, UNP, SINTEF and ARTS	04-07.06.2018
European IoT LSP Programme Booth – IoT Week 2018	Bilbao, Spain	IDC, U4IoT	04-07.06.2018
IoT Security & Privacy Capacity Building Workshop – IoT Week 2018	Bilbao, Spain	AL	04-07.06.2018
eHealth & Smart Home Data Protection – IoT Week 2018	Bilbao, Spain	MI, AS, AL, IDC, UNP, SINTEF and ARTS	04-07.06.2018
STARTS Exhibition	Bilbao, Spain	ARTS	04-07.06.2018
STARTS Reception	Azkuna Zentroa, Bilbao, Spain	ARTS	05.06.2018
“Why should IoT engage with artists?” - IoT Week 2018	Bilbao, Spain	ARTS	05.06.2018
Business Model Innovation as Driver for Change Workshop – IoT Week 2018	Bilbao, Spain	IDC	05.06.2018
Standardisation, Architecture and Interoperability Workshop#3 – IoT Week 2018	Bilbao, Spain	ETSI	06.06.2018
Iterative Innovation in the IoT LSPs, SMEs, start-ups and Open Calls	Bilbao, Spain	BLU	07.06.2018
Huawei Europe IoT Business Acceleration Summit @CEBIT 2018	Hannover, Germany	BLU	13.06.2018
Benefits and Challenges of 5G from a Security Perspective – ETSI Security Week 2018	Sophia-Antipolis, France	AL	13.06.2018
Future-Proof Security and Privacy in IoT - ETSI Security Week 2018	Sophia-Antipolis, France	AL	14.06.2018
Munich Tech Fest	Munich, Germany	ARTS	16.06.2018

Digital Assembly 2018	Sofia, Bulgari	ARTS	25-26.06.2018
Trust in Invisible Agents, a round-table at Ars Electronica	Linz, Austria	FE	06.09.2018
Iberian Nanotechnology Laboratory (INL) Summit	Altice Forum Braga, Portugal	ARTS	16.10.2018
What Culture for the Cities of the 21st Century?	Serralves Foundation, Porto, Portugal	ARTS	26.10.2018
World Usability Day	Tallin University, Tallin, Estonia	ARTS	02.11.2018
H2020 IoT Security Cluster Workshop	Brussels, Belgium	AL	30.10.2018
Standardisation, Architecture and Interoperability Workshop#4	Brussels, Belgium	ETSI	07.11.2018
2 nd Privacy & Data Protection Summit	Barcelona, Spain	AL	16.11.2018
Private High-Level Meeting at BOSCH Corporate Research	Renningen, Stuttgart, Germany	ARTS	22.11.2018
Fiware Summit	Santander, Spain	ATOS	27-28.11.2018
ICT 2018	Vienna, Austria	ATOS, MI, SINTEF, UNP, AS, ANYSOL, IDC, FE, ARTS	04-06.12.2018
STARTS Talk on Cybersecurity and IoT	European Parliament, Brussels, Belgium	ARTS	05.12.2018
EU & India Clustering on IoT technologies for Smart Agriculture - ICT 2018:	Vienna, Austria	GRAD, NUIG	05.12.2018
Talk and Panel: Making Sense of Invisible Agents as part the session - Art, The Human Touch of Technology – ICT 2018	Vienna, Austria	FE	05.12.2018
LSP projects presentation at STARTS booth – ICT 2018	Vienna, Austria	SINTEF, ANYSOL, AS, ARTS	05.12.2018

4.4.1. Pre-opening of the Bulgarian Presidency of the European Union

- **Date:** 06.01.2018
- **Venue:** NDK, Sofia, Bulgaria
- **Partner:** ARTS
- **Summary:** A STARTS IoT Learning Workshop was organized in cooperation with STARTS. In the workshop, kids between 7 and 13 years old assembled kits allowing them to have a first contact with notions of electronics, digital communication and connectivity. One of the kits connected the objects to a cloud. Commissioner Mariya Gabriel attended the workshop. The Commissioner also opened the event with the Minister for the Bulgarian Presidency of the EU and Gergana Passy, the Bulgarian Digital Champion. The workshop was attended by 400 kids. The national media coverage was considerable.
- **Relevance of the event for the IoT-LSP Program:** Younger generation was made aware of the programme. The programme was highlighted to the Commissioner. Relevant Bulgarian

actors in the field of the digital were made aware of the programme and of possibilities of interaction such as the open calls.



Figure 6: Opening of the Pre-opening event of the Bulgarian Presidency



Figure 7: Commissioner Gabriel in the workshop

4.4.2. Private high-level dinner chaired by Commissioner Mariya Gabriel

- **Date:** 06.01.2018
- **Venue:** Sofia, Bulgaria
- **Partner:** ARTS
- **Summary:** A dinner organized by the Digital National Assembly of Bulgaria with the presence of its Presidents, Gergana and Solomon Passy. The dinner was chaired by Commissioner Gabriel and had the presence of high-level representatives of several companies including Google, Microsoft, Cisco and Ascend. Every representative presented to the Commissioner ideas they thought were priority for the DSM.
- **Relevance of the event for the IoT-LSP Program:** The LSPs were presented in their relationship with STARTS.

4.4.3. Standardisation, Architecture and Interoperability Workshop #1

- **Date:** 10.01.2018
- **Venue:** Brussels, Belgium
- **Partner:** ETSI
- **Summary:** This workshop is the first of a series of AG 02 Workshops to be held in 2018. The primary objective of these workshops is to establish a common basis across the different IoT Large-Scale Pilots (LSPs) regarding their results related to standardisation and interoperability. These workshops also aim to contribute to the DEI WG2 on standardisation.
- **Relevance of the event for the IoT-LSP Program:** There is a need to harmonise and promote the common approach of LSPs regarding essential topics such as: mapping pilot architecture approaches based on possible reference architecture models; interoperability framework and reference implementations based on use cases; analysis of components and standards, existing IoT platforms that may be reused/tested across multiple use cases and enable interoperability across those. These workshops are the primary way of achieving this in the LSPs community.

4.4.4. Trust in Invisible Agents

- **Date:** 16.01.2018
- **Venue:** Dundee, UK
- **Partner:** FE, AL
- **Summary:** Contribution to a master class for art and design students of the University of Dundee (Scotland), organised by FutureEverything (FE) - aiming at the visualization and communication of an IoT concept that would demystify the IoT and, thus, enhance transparency. The master class addressed extensively key aspects of such a visualization attempt including trust and data governance within the IoT ecosystem. Note that Arthur's Legal contributed remotely to the above-mentioned master class.
- **Relevance of the event for the IoT-LSP Program:** Data governance, transparency and trust form issues of horizontal relevance for all large-scale pilot projects funded under the IoT-LSP program. They fall directly under the scope of WP05 on "IoT Policy Framework- Trusted, Safe and Legal Environment for IoT" and they are largely covered under the respective activities and publications. In this respect, trust has been identified as one of the key pillars of the IoT Policy Framework put forward by CREATE-IoT project. Furthermore, artistic interventions and the role art in increasing trust towards IoT, as well in increasing adoption of IoT devices constitutes one of the distinctive characteristics of CREATE-IoT project. Conveying, therefore, concepts, also, of legal relevance through artistic tools and methods to diverse audience is a means for CREATE-IoT partners to contribute to the overarching objectives aspired by the IoT-LSP program.

4.4.5. Seminar of Accountability in the Digital Age

- **Date:** 27.02.2018
- **Venue:** Barcelona, Spain
- **Partner:** AL
- **Summary:** Seminar at the Mobile World Congress (MWC) in Barcelona, Spain, that addressed Accountability in the Digital Age. The MWC focused on IoT and its growing impact at a societal level. The growing impact of IoT and the consequences it entails in the near future calls for an accountable behaviour of all stakeholders involved at a global scale, includ-

ing, corporations of all sizes and public authorities. In this context, the seminar surfaced the necessity for accountability, especially, in this new era of hyper-connectivity as the recommended way forward not only to prevent, but also to mitigate in a timely manner for any negative consequences incurred.

- **Relevance of the event for the IoT-LSP Program:** Accountability constitutes an issue that is horizontally relevant for all large-scale pilot project taking part in the IoT-LSPs Program. In this respect, it is worthwhile noting that accountability in relation to the processing of personal information is strengthened under the General Data Protection Regulation (GDPR). Same as trust, accountability in relation to the IoT ecosystem falls under the scope of WP05 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT" and it is covered by the respective activities and publications.

4.4.6. IoT, 5G & Ecosystems

- **Date:** 27.02.2018
- **Venue:** Barcelona, Spain
- **Partner:** AL
- **Summary:** Breakout Panel at the Mobile World Congress (MWC) in Barcelona that touched upon several legislative developments that are pertaining to the IoT ecosystem, including, the proposed Cybersecurity Act and the -at the time- proposed Free Flow of Non-Personal Data Regulation. Note that the participation in the specific breakout panel forms the second dissemination activity performed on the same day by Arthur's Legal in the context of the MWC.
- **Relevance of the event for the IoT-LSP Program:** The topic of the above-mentioned Breakout Panel is of direct relevance for all IoT-LSP projects, given that 5G could clearly accelerate the growth of IoT ecosystems. In this respect, the Free-Flow of Non-Personal Data Regulation, for example, adopted recently by the EU Institutions relates to the outputs of all large-scale pilot projects, irrespective, of their individual scope. In addition, other topics covered, such as the proposed Cybersecurity Act, serve the specific objectives set under WP05. The insights gained during the Breakout Panel discussions further allowed cross-fertilization of ideas within the IoT-LSP Program.

4.4.7. H2020 IoT Security Cluster Workshop

- **Date:** 20.03.2018
- **Venue:** Brussels, Belgium
- **Partner:** AL
- **Summary:** Workshop organized by DG Connect, Brussels regarding liaisons and ongoing collaboration with eight (8) new H2020 projects. The purpose of the workshop was to facilitate cooperation and identify areas of active cooperation between all the recently launched IoT security/privacy related projects, together with the security/trust activity group of the LSP project cluster and AIOTI.
- **Relevance of the event for the IoT-LSP Program:** The workshop organized by the European Commission was directly relevant for the IoT-LSP program as it aimed not only at strengthening the liaisons between the projects participating in the IoT-LSP s program, but also creating new liaisons with other projects that started later. Security clearly forms and issue of common interest within the IoT ecosystem, being, also, separately addressed by each project within the IoT-LSPs Program. As far as CREATE-IoT is concerned, security is addressed under WP05 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT" and it is extensively addressed under the respective publications and dissemination ac-

tivities. Notably, security forms one of the key pillars of the IoT Policy Framework proposed by CREATE-IoT project.

4.4.8. FUTURE SESSIONS on Fault Lines in IoT: Trust in Invisible Agents

- **Date:** 22.03.2018
- **Venue:** Manchester, UK
- **Partner:** FE, AL

Summary: Considering the lack of transparency, especially, for ordinary end-users that is innate to the IoT environment, the session focused on the complexities involved in the allocation of responsibilities between IoT stakeholders. Given that decisions are made by algorithmic systems, determining the liabilities incurred is expected to become an increasingly growing challenge. Arthur's Legal contributed to the discussions providing input from a legal standpoint in an appropriate manner for a non-legal audience. The event was attended by a diverse audience from Europe and beyond.

- **Relevance of the event for the IoT-LSP Program:** The issue of assigning liabilities between the IoT stakeholders is of relevance for all projects funded under the IoT-LSP Program. In addition, the session revealed the ethical dimensions of decision making within an environment, such as IoT. In this respect, it should be noted that ethics are separately addressed by each LSP project taking part in the IoT-LSPs Program. In addition, ethics are addressed by WP05 of CREATE-IoT project. Notably, it is considered that ethics, being part of the wider notion of engagement, which forms one of the pillars of the IoT Policy Framework proposed by CREATE-IoT Policy Framework. SYNCHRONICITY LSP attended the event.

4.4.9. Worldwide Initiatives for IoT, Living in the IoT

- **Date:** 28-29.03.2018
- **Venue:** London, UK
- **Partner:** BLU
- **Summary:** The Living in the IoT Event is an annual event coordinated by the Institute of Engineering and Technology, IoT UK and PETRAS (an IoT research hub) bringing together leaders in academic and commercial research. Tanya Suárez was an invited panellist on a discussion titled 'International IoT - Worldwide Initiatives' where she presented the LSPs as examples.
- **Relevance of the event for the IoT-LSP Program:** As communication of the activities across the five focus areas and the existence of the IoT LSPs was important for awareness generating among the research community and the potential for exploitation and sustainability within the LSPs.

4.4.10. NEXT THINGS NEXT STARTS

- **Date:** From 12.2018 until 03.2018
- **Venue:** Gijon, Spain
- **Partner:** ARTS
- **Summary:** An exhibition of the results of the artistic residencies of Telefonica about IoT. The aim of the exhibition was to collect for the first time the resulting works in the same place. The event was done in order for them to serve as reference for future residencies of STARTS about IoT, including the artists in residence in CREATE IoT, So Kanno. The opening of the exhibition was by the Minister of Culture of Asturias, Spain. The Minister and the

Director of LABoral also presented in the press conference were Luis Miguel Girao from Artshare presented the LSPs. The exhibition had about 15000 visitors. Presse coverage included a full-page article in one of the main newspapers of Spain, El Pais.

- **Relevance of the event for the IoT-LSP Program:** The programme was widely exposed to an audience, including Regional Government to which it would not naturally be presented.



Figure 8: The artists of NEXT THINGS NEXT STARTS

4.4.11. Conference on Internet of Things in Trade Facilitation, UNCEFACT

- **Date:** 24.04.2018
- **Venue:** Geneva, Switzerland
- **Partner:** BLU
- **Summary:** This Conference seeks to establish some clarity and a collective understanding of the potential of IoT technology for supporting trade and trade facilitation as well as the other business and government activities where the United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) has projects. To reach this objective, a range of experts will talk about the various aspects of IoT technology and will take questions from the floor. You will also hear from organizations, from different sectors, about their experiences and lessons learned from implementing IoT-based pilot projects or operational systems. Speakers will talk about the use of IoT in transportation (including a seaport), finance, supply chains, agriculture, energy and other sectors. It will also address Security and Authentication issues of IoT applications.
- **Relevance of the event for the IoT-LSP Program:** The focus of the event was on trade facilitation with senior delegates from across the globe in various roles in both government and the private sector exchanging updates on the role of IoT in trade and the enabling nature of the technology. As an invited speaker on Enabling IoT business applications: Start up ecosystems and their role in trade facilitation, Tanya Suárez presented the LSP programme overall and made reference to the role of SMEs and start-ups within the large programme.

4.4.12. Standardisation, Architecture and Interoperability Workshop #2

- **Date:** 26.04.2018
- **Venue:** Brussels, Belgium
- **Partner:** ETSI

- **Summary:** This workshop was the second of the 2018 Activity Group 02 Workshops. The discussion points have addressed the commonalities across the different LSP reference architectures and pointed to the role of layering (cloud, edge, network) and cross-layer aspects, e.g. end to end management of data, security, privacy, etc. More discussion is needed on a simplified reference architecture model as a way to capture the commonalities.
- **Relevance of the event for the IoT-LSP Program:** The topics discussed have reflected the relevance of the LSP approach regarding commonalities and outlined those that require further elaboration: what is cross-domain; how to reuse elements of the LSP frameworks (architectures, templates, components, etc.); how to boost adoption; clarify which kind of interoperability is needed; what is the contribution of AG02 to the open calls "package; etc. The workshop has also addressed the "LSP Open Call Recommendations on cross domain interoperability" and how this can also support a common approach across the LSPs in support of the launch of the Open Calls with a common approach and terminology.

4.4.13. Nuances of trust: building trust for IoT adoption and sustainability

- **Date:** 14-15.05.2018
- **Venue:** London, UK
- **Partner:** AL
- **Summary:** The workshop *Nuances of Trust* aimed at identifying specific steps for the IoT community that would support the IoT stakeholders in building trusted relationships. The issue of trust in the IoT environment was approached from various standpoints, including, from a technological standpoint, a societal standpoint and from the standpoint of policy. Notably, the workshop participants were confronted with concrete questions such as which are the factors that matter most in order to build end-users' trust or how could inter-organizational trust create an impact on the IoT eco-system building and sustainability. Arthur's Legal contributed extensively in the discussions in line with the scope and the objectives of WP05 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT".
- **Relevance of the event for the IoT-LSP Program:** The issue of trust is of horizontal relevance for all projects taking part in the IoT-LSPs Program. In light of the multi-angled approach adopted in workshop, Arthur's Legal focused on specific aspects creating an impact on trust, including on the necessity of safeguarding autonomy by enabling users to provide a really informed consent and on the risks of biased decision making due to the collection of large amounts of data. Interestingly, the event set the discussion on trust in the context of IoT adoption and sustainability, which are of high relevance for the afterlife of all outcomes of the projects funded under the IoT-LSPs Program.

4.4.14. IoT Security and Privacy Booth – IoT Week 2018

- **Date:** 04-07.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** MI, AS, AL, IDC, UNP, SINTEF and ARTS
- **Summary:** Thematic booth leading by MI and AS regarding the IoT Security and Data Protection. A close coordination with U4IoT, the 5 LSPs and AG5.
- **Relevance of the event for the IoT-LSP Program:** Focusing on promoting the LSPs dissemination through GIOTS sessions on IoT pilots, LSPs related thematic sessions, IoT Security and Privacy track and IoT standardization sessions.

4.4.15. European IoT LSP Programme Booth – IoT Week 2018

- **Date:** 04-06.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** CREATE-IoT (IDC) and U4IoT

Summary: As in 2017, CREATE-IoT took active part in the IoT Week 2018 (<https://iotweek.org/>), which was held in Bilbao (Spain) from 4th until 7th June, with its own booth and representing the Programme together with U4IoT, as well as running different workshop sessions with speakers from the project.

Relevance of the event for the IoT-LSP Program: This event addressed the latest trends in the IoT domain, bringing together the community of IoT experts, researchers, IoT companies, research centres, research projects, start-ups and international organizations. The event was of key relevance for the European IoT LSPs Programme and CREATE-IoT was proactively involved to ensure the maximum visibility of the initiatives and optimize the presence at this conference.

A set of communication activities was dedicated to the promotion of this event, as shown in the Table 9.

Table 9: CREATE-IoT communication activities in IoT Week 2018

Activity	Objective	Description	Communication materials and KPIs
Booth management	Support the programme communication and ensure continuous presence in the IoT Village	<ul style="list-style-type: none"> • Joint presence at two booths with U4IoT. • Full presence of IDC Team Distribution of marketing materials • Engagement with audience 	<ul style="list-style-type: none"> • IoT Market position papers and 5 posters on the focus areas <ul style="list-style-type: none"> ◦ 3 papers, 200 copies each (30 copies left of smart security, 10 copies left of automotive) ◦ Posters displayed at the CREATE-IoT and LSPs booths • Programme's marketing materials (200 brochures distributed) • Relevant workshops calendar (3 copies displayed at the booth and in the exhibition area) • CREATE-IoT Marketing materials (250 leaflets distributed, 50 left and 1 roll-up displayed)
Social media	Promote and amplify the event and activities	<p>Pre-event phase:</p> <p>Ongoing publication of content to promote the event and relevant workshops</p> <p>During event:</p> <p>Continuous and live social media support</p> <p>Post event phase:</p> <p>Promotion of key take-aways and results of the relevant workshops</p>	<ul style="list-style-type: none"> • Twitter: CREATE-IoT + inputs to the Programme • LinkedIn: CREATE-IoT + inputs to the Programme • SlideShare: upload available PPT <p>See 4.1.1 statistics</p>
Interviews	<p>Produce original content</p> <p>Provide visibility for the Programme and LSPs</p> <p>Identifying and promoting key messages and interesting</p>	<p>Presence of a video maker for 2 days</p> <p>IDC team to carry out interviews with video maker</p> <p>Selection, editing of interviews and production of videos and text for different channels</p>	<p>22 interviews carried out</p> <p>Published on social media, on the Programme website and on the LSP websites</p>

	stories for the external audience		
Workshops	Increase visibility of collaborative events of the Programme Attract participants Promote key messages Share key results	Promote workshops on social media Promote workshops at the booth Collect key takeaways from workshop coordinators and deliver to AG08 for communication activities	<ul style="list-style-type: none"> Workshop calendar in several copies exhibited at the booth and distributed at the exhibition area Social media posts Workshop presentations

At the IoT Week 2018, CREATE-IoT carried out 22 video interviews (<https://european-iot-pilots.eu/video-interviews-iot-large-scale-pilots/>) with different IoT stakeholders with the aim to:

- Provide visibility for the Programme and LSPs: representatives from the different LSPs and from their pilots and use cases were interviewed to cover and promote the work done under the Programme's focus areas;
- Leverage the IoT Week opportunity and promote its success: the event brought together different stakeholders representing the IoT ecosystem;
- Identify and promote key messages of the Programme and interesting stories to promote the LSPs among the external audience.

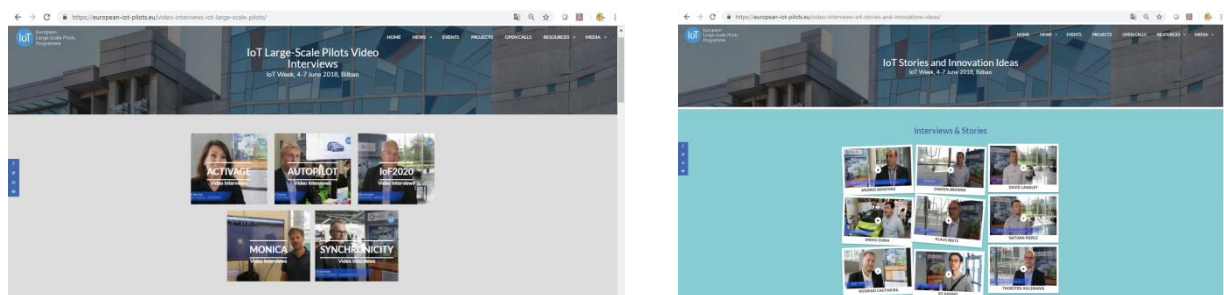


Figure 9: IoT Week 2018 video interviews

Table 10 shows the types of interviews carried out:

Table 10: IoT Week 2018 Video Interviews

IoT Week Interviews	Number
LSP Use cases of which:	10
<i>ACTIVAGE</i>	2
<i>AUTOPILOT</i>	1
<i>MONICA</i>	1
<i>IoF2020</i>	3
<i>SYNCHRONICITY</i>	3
Open calls interview	3
Users	2
Start-ups, SMEs	3
Industry associations	2
R&D and consulting	1
Artist	1
Total	22

4.4.16. IoT Security & Privacy Capacity Building Workshop – IoT Week 2018

- **Date:** 04-07.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** AL
- **Summary:** IoT is associated with numerous benefits for citizens and society at large creating an impact on our daily life. In this context, new security challenges emerge creating risks both for the safety of the IoT environment, as well as for the flourishing of the Digital Single Market. Taking this into account, the workshop shed light into the topic of IoT privacy and security from diverse standpoints aiming at creating a common level of awareness between practitioners in relation to several aspects, including the legal implications involved and the impact of IoT in industrial sectors. Notably, the workshop provided sufficient time for exchanges with the audience.
- **Relevance of the event for the IoT-LSP Program:** previously mentioned, the issues of privacy and security are of horizontal relevance for all projects funded under the IoT-LSPs Program. Arthur's Legal in line with the scope and the objectives of Work Package 5 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT" contributed to the discussions by shedding light into legal and strategic considerations. It should be stressed that cross-fertilization with the wider IoT community extensively represented at the event by the industry is, also, especially linked to the role of CREATE-IoT as a coordinated support action

4.4.17. eHealth & Smart Home Data Protection – IoT Week 2018

- **Date:** 04-07.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** MI, AS, AL, IDC, UNP, SINTEF and ARTS
- **Summary:** The increase use of IoT in medical and smart home applications raise concerns in relation to the protection of personal data, including, with respect to the protection of sensitive data, such as health data. The session focused exclusively on the interconnection of IoT in the eHealth and smart home domains and on the implications incurred from the view point of data protection, such as on the acquisition of a valid consent. Given that personal data protection falls directly under the scope of Work Package 5 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT", Arthur's Legal contributed to the discussions by focusing on the particularities of the smart home and eHealth context.
- **Relevance of the event for the IoT-LSP Program:** The event was of direct relevance for ACTIVAGE project taking part in the IoT-LSPs Program. It was, also, relevant for MONICA project, as wearable devices largely collect sensitive information of user, thus, rendering issues such as the acquisition of a valid consent highly relevant. In addition, the scope of the above-mentioned event surfaces the human-centric approach underpinning the IoT Policy Framework put forward by CREATE-IoT project.

4.4.18. STARTS Exhibition

- **Date:** 04-07.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** ARTS

- **Summary:** The STARTS Exhibition in the IoT Week exhibition presented the works of So Kanno, as artist in residence of CREATE-IoT, and of Luis Miguel Girao, as the artist developing the artwork for the co-creation workshops.
- **Relevance of the event for the IoT-LSP Program:** The value added for the programme was to reframe the context of its developments. The artistic contributions raised awareness about interoperability, privacy, security, environmental and agricultural sustainability. They also put up front an image of the programme as human driven and not technology driven: technology as an enabler of better lives.



Figure 10: STARTS Exhibition at IoT Week

4.4.19. STARTS Reception

- **Date:** 05.06.2018
- **Venue:** Azkuna Zentroa, Bilbao, Spain
- **Partner:** ARTS
- **Summary:** Social gathering in the cultural centre of the municipality of Bilbao. A reception of participants of the IoT Week, including the LSPs and the Commission in turn of an exhibition on art and technology.
- **Relevance of the event for the IoT-LSP Program:** Participants of the LSPs were brought out of their comfort zone to be integrated in the 'real' city.



Figure 11: STARTS Reception at Azkuna Zentroa, Bilbao

4.4.20. "Why should IoT engage with artists?" - IoT Week 2018

- **Date:** 05.06.2018

- **Venue:** Bilbao, Spain
- **Partner:** ARTS
- **Summary:** The meeting aimed at connecting artists, LSPs and SMEs towards artistic innovative collaborations. The main aim was to understand what the added value for innovation actions in IoT is by engaging with artistic practices. Representatives of different sides of the collaborations will present their views and ideas will be discussed with all participants. Due to the participation of Manuel Cirauqui, curator of the Guggenheim Museum of Bilbao, the discussion went more into the direction of explaining the LSPs to the ‘outside world’.
- **Relevance of the event for the IoT-LSP Program:** due to overlapping with other three sessions, including one on the fashionable blockchain, participation of LSPs was reduced. However, a better understanding of artistic perspectives was achieved by members of the IoT community. Furthermore, the LSPs were communicated to a high-level cultural institution.



Figure 12: Discussion between Manuel Cirauqui from the Guggenheim Bilbao and Ovidiu Vermesan from CREATE-IoT.

4.4.21. Business Model Innovation as Driver for Change Workshop – IoT Week 2018

- **Date:** 05.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** IDC
- **Summary:** The panel session, chaired by Mirko Presser (Associate Professor – Aarhus University) as part of the IoT market and business model track, focused on business model innovation as driver for change. The session included presentations from Andrea Siviero (IDC’s Customer Insights & Analysis Group / IDC European IoT Practice Research Manager / Leader), Elena Alfaro (Grupo BBVA, Global Head of Data & Open Innovation), Martin Jørgensen (Xtel Wireless, CTO and Innovation Director) and Martin Strohbach (AGT International, Research Director).
- **Relevance of the event for the IoT-LSP Program:** The session was of direct relevance for the IoT-LSP Programme as it gave the opportunity for targeted discussions focusing on IoT-driven new business models seen as a way to re-imagine traditional business, discover new markets and deploy new ways of selling. IDC contributed to the discussions in line with the scope and the objectives of CREATE-IoT Work Package 1 "Coordination and Support to the IoT Focus Area" and Work Package 2 “IoT Large Scale Pi-lots Ecosystems Arena for Sharing Common Approaches” where IDC carries out business model analysis with inputs from relevant vertical domains in liaison with the market analysis and with the road mapping activities of the project.

4.4.22. Standardisation, Architecture and Interoperability Workshop#3 – IoT Week 2018

- **Date:** 05.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** ETSI
- **Summary:** This workshop was the third of the 2018 Activity Group 02 Workshops. The main objective of the Workshop was to discuss a synthesis regarding the consolidation of the "technical maps" (in particular Reference Architectures, Interoperability criteria, platforms, components), the identification of lessons learned and best practices, and a view of standardisation that identifies the existing standards adopted by the LSPs as well as the gaps.
- **Relevance of the event for the IoT-LSP Program:** This workshop was a first relevant step in the synthesis of the commonalities across LSPs regarding interoperability and standardisation. The elements gathered have been a strong basis for the definition of the "LSP Interoperability Framework" that is becoming the main output of the work and is expected to bring the contribution of the LSPs not only to the entire LSP community, but also to the larger IoT community.

4.4.23. Iterative Innovation in the IoT LSPs, SMEs, start-ups and Open Calls

- **Date:** 07.06.2018
- **Venue:** Bilbao, Spain
- **Partner:** BLU
- **Summary:** The overall aim was to bring LSPs, start-ups and SMEs together to explore the opportunities to develop new IoT technologies to solve the challenges presented within the forthcoming Open Calls. Start-ups and SMEs were to gain a deeper understanding of the context for the open calls within each of the three LSPs.
- **Relevance of the event for the IoT-LSP Program:** The workshop was specifically created for the benefit of the LSPs that had launched their open calls process to engage directly with SMEs as potential participants and served as a knowledge-sharing and learning exercise. LSPs were presented by Gemma Guilera (SYNCHRONICITY), Alicia Cano (ACTIVAGE) and Alexander Berlin (IoF2020) and exercises led by Alicia Cano and Francesca Spagnoli (SYNCHRONICITY).



4.4.24. Huawei Europe IoT Business Acceleration Summit @CEBIT 2018

- **Date:** 13.06.2018
- **Venue:** Hannover, Germany
- **Partner:** BLU
- **Summary:** Huawei Europe IoT Business Acceleration Summit is a gathering of regional IoT players in-tend on establishing and promoting an open, innovative and collaborative ICT ecosystem in the IoT space. Attendees included IoT value chain focusing on smart city, smart industry and smart life, as software developer, IoT device vendor, system integrator, solution providers. Content included from a selected panel of leading IoT experts, who will share their industry insights and knowledge, explore cellular-IoT in practice with a partner case study session, demonstrating the success of replicable commercial cases.

- **Relevance of the event for the IoT-LSP Program:** The Huawei IoT Business Acceleration summit was attended by senior industry representatives from across the globe. Speakers covered a range of topics relevant for the IoT ecosystem and drew from current available best practice. Invited speaker on IoT in Industry in Europe, Tanya Suárez presented the LSP programme as an initiative of the European Union with regards to the state-of-the-art of IoT in Europe at a global level. The presentation focused on the European IoT industry and the need for cross-domain collaboration through organisations such as AIOTI and initiatives such as the EU's Large-Scale Pilots.

4.4.25. Benefits and Challenges of 5G from a Security Perspective – ETSI Security Week 2018

- **Date:** 13.06.2018
- **Venue:** Sophia-Antipolis, France
- **Partner:** AL
- **Summary:** The session focused on the benefits and challenges of 5G from a security view point. The session was attended by the European Commission, industry players and ENISA. Arthur van der Wees (Arthur's Legal) chaired the session, representing Work Package 5 of CREATE-IoT project.
- **Relevance of the event for the IoT-LSP Program:** The session was of direct relevance for the IoT-LSPs Program as it gave the opportunity for targeted discussions focusing on 5G from the point of view of security. Given that 5G can boost the growth IoT ecosystems in the near future, the session was relevant both with respect to the duration of the LSPs, as well as for the afterlife of the respective project outcomes. The associated legal and strategic considerations fall under the scope of Work Package 5 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT". Notably, the Regulation for the Free-Flow of Non-Personal Data across Member States that was at the proposal stage at the time when the above-mentioned event took place, it was adopted and entered into force few months later, in autumn 2018. The Regulation for the Free-Flow of Non-Personal Data is of critical importance for 5G and, thus, IoT.

4.4.26. Future-Proof Security and Privacy in IoT - ETSI Security Week 2018

- **Date:** 14.06.2018
- **Venue:** Sophia-Antipolis, France
- **Partner:** AL
- **Summary:** Taking into account how rapidly technology is changing society, it is essential that public and private organizations jointly ensure that the resulting benefits are maximized, and the risks incurred are kept low. To this end, the session focused on the key role of resilient IoT products, systems and services that embed future-proof IoT security and privacy by default and by de-sign. Arthur's Legal led the discussions held aiming at giving insights to the overarching question identified: "How to address, organize, standardize this dynamic hyper-connected world?" Arthur van der Wees (Arthur's Legal) gave the key note speech on the topic of Future-Proof IoT Security and Privacy and moderated the panel discussion on Future Proof IoT Security and Privacy - Challenges and Opportunities. The sessions held on the topic of Future-proof IoT Security and Privacy of interest to a wide range of participants, including, network operators, government agencies and start-ups.
- **Relevance of the event for the IoT-LSP Program:** Security and privacy are topics of horizontal relevance for all large-scale pilot projects participating in the IoT-LSPs Program. Taking this into account as well as the scope of WP05 on "IoT Policy Framework-Trusted, Safe

and Legal Environment for IoT", several aspects of critical importance were highlighted during the session including the role of both technical and organizational measures in achieving effective compliance. Notably, focusing on future proof privacy and security could be beneficial, also, for the sustainability of the outcomes of the IoT-LSPs Program in the long run.

4.4.27. Munich Tech Fest

- **Date:** 16.06.2018
- **Venue:** Munich, Germany
- **Partner:** ARTS
- **Summary:** Keynote by Luis Miguel Girao in the Munich Tech Fest Hackathon about the notion of CREATE your IoT.
- **Relevance of the event for the IoT-LSP Program:** The LSPs were exposed to a young international audience developing new technological applications and aiming at creating their own start-up.

4.4.28. Digital Assembly 2018

- **Date:** 25-26.06.2018
- **Venue:** Sofia, Bulgaria
- **Partner:** ARTS
- **Summary:** STARTS Exhibition in the Digital Assembly exhibition. An artwork about security and privacy in IoT was presented.
- **Relevance of the event for the IoT-LSP Program:** The exhibition encompassed the relationship of IoT and the Arts and communicated it to a relevant audience. Some high-level speakers visited the exhibition including DG Roberto Viola.

4.4.29. Trust in Invisible Agents, a round-table at Ars Electronica

- **Date:** 06.09.2018
- **Venue:** Linz, Austria
- **Partner:** FE
- **Summary:** FutureEverything (FE) were tasked with the development and execution of a round-table at the 2018 Ars Electronica festival in Linz, Austria. Ars Electronica is the preeminent arts and technology festival in Europe, this year attracting more than 105,000 individual visitors. The festival offers a rich mix of entertainment, innovation and insight comprising of over six hundred individual events from individual talks to hands-on workshops, from art exhibits to technology demonstrators. A critical risk is related with the lack of connection between IoT Art, Science and IoT communities, and it is with these communities that the round-table at Ars Electronica sought engagement.
- **Relevance of the event for the IoT-LSP Program:** Two of the expert panellists acted as representatives for the IoT European Large-Scale Pilots Programme projects and were kind enough to also bring their considerable expertise to the round-table. Dr J. Martin Serrano and Alexander Berlin gave insightful talks which highlighted their experiences working as part of the ACTIVAGE and IoF2020 projects. They also took active roles in the round-table debate, bringing relevant and specialised perspectives into the discussion. A first draft a Manifesto for Art in the IoT was synthesised. Tangible outputs from discussions at events like Ars Electronica can sometimes be difficult to document, with an emphasis being placed on show-and-

tell demonstration, so bringing together even a brief statement of intent was something of an achievement. Participants expressed interest in continuing the work, along with others, to prepare a more detailed and considered manifesto document. Links were also proposed between LSP representatives and other activities at the festival, in particular the Future Innovators Summit.

4.4.30. Iberian Nanotechnology Laboratory (INL) Summit

- **Date:** 16.10.2018
- **Venue:** Altice Forum Braga, Portugal
- **Partner:** ARTS
- **Summary:** Discussion mediated by Luis Miguel Girao with artist Victoria Vesna and Physicist Jim Gimzewski, both Professors at UCLA and founders of the ArtSci Lab. The programme was presented during the Luis intervention.
- **Relevance of the event for the IoT-LSP Program:** The programme was presented in a global forum of nanotechnology of 400 people. INL is the third most relevant international organization in nanotechnology.



Figure 13: Luis Miguel Girao presenting the LSPs in the INL SUMMIT.

4.4.31. What Culture for the Cities of the 21st Century?

- **Date:** 26.10.2018
- **Venue:** Serralves Foundation, Porto, Portugal
- **Partner:** ARTS
- **Summary:** A workshop for cultural deputies of relevant cities in Portugal in the major contemporary art foundation of Portugal. The notion of CREATE your IoT was presented and discussed.
- **Relevance of the event for the IoT-LSP Program:** new activities with one of the cities are planned in the context of the CREATE your IoT Series.

4.4.32. World Usability Day

- **Date:** 02.11.2018
- **Venue:** Tallin University, Tallin, Estonia
- **Partner:** ARTS
- **Summary:** Presentation of the CREATE your IoT concept to an audience of usability designers.

- **Relevance of the event for the IoT-LSP Program:** exposure of the LSPs programme to an audience of potential up-takers of the technologies being deployed.

4.4.33. H2020 IoT Security Cluster Workshop

- **Date:** 30.10.2018
- **Venue:** DG Connect
- **Partner:** AL

Summary: Arthur's Legal contributed to the discussions in line with the scope and the objectives of WP05 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT". To this end, the respective presentation highlighted the key role of trust as well as the necessity for all projects in the cluster to address both functional and non-functional aspects. Overall, it was stressed that an organizational framework putting forward accountable behaviour of all IoT stakeholders, in addition to the technology and related codes of conduct already in place.

- **Relevance of the event for the IoT-LSP Program:** This was a common event with the IoT projects addressing security for supporting the common activities. The meeting was organised to offer the basis for interaction and then built up the relations with different projects that have complementary activities. The goal was bringing the communities together and develop further the relationships based on the common needs and interests. This workshop was preceded by an IoT Cluster Privacy and Security Workshop that took place on in Spring 2018.

4.4.34. Standardisation, Architecture and Interoperability Workshop#4

- **Date:** 07.11.2018
- **Venue:** Brussels, Belgium
- **Partner:** ETSI
- **Summary:** This workshop was the fourth of the 2018 Activity Group 02 Workshops. The main objectives of this Workshop were to discuss the consolidated Interoperability Framework proposed by CREATE-IoT WP06 regarding Reference Architecture, Interoperability Mechanisms, Platforms, to consolidate the results for the preparation of the CREATE-IoT WP06 Deliverable D06.08, and to outline a strategy for the dissemination of results (e.g., White Paper, etc.).
- **Relevance of the event for the IoT-LSP Program:** The most concrete outcome of the workshop was the confirmation by the participants of the validity and usefulness of the approach taken for the definition of the LSP IoT Interoperability Framework. The discussion has identified a number of areas in which the LSP IoT Interoperability Framework can be clarified (e.g., the respective roles of the "cross-domain functions" and "properties"). It has also outlined the need to use the LSP IoT Interoperability Framework in the in-depth analysis of concrete LSPs use cases in order to clarify its benefits towards the largest possible number of stakeholders involved in the development of IoT systems: contractors, designers, developers, integrators as well as end-users.

4.4.35. Second Privacy & Data Protection Summit

- **Date:** 16.11.2018
- **Venue:** Novotel, Barcelona
- **Partner:** AL

- **Summary:** In the context of the work performed under Work Package 5, Arthur's Legal gave a presentation focusing on the General Data Protection Regulation (GDPR) and, more specifically, on how to secure IoT devices from the point of view of the GDPR. The presentation focused on the necessity to implement the appropriate measures at the design stage as retrofitting them should not be considered as a means to effectively protect end users' privacy. The presentation put emphasis on the necessity for continuous -rather than continual-monitoring of the effectiveness of the measures in places. Furthermore, the presentation stressed the role of dynamic certification and assurance in strengthening consumers' trust in IoT devices, while illustrating the regulatory landscape in EU, capturing, also, the Cybersecurity Act that was found at proposal stage².
- **Relevance of the event for the IoT-LSP Program:** The event was relevant for the IoT-LSP Program for several reasons. It did not only revolve around the GDPR that constitutes an issue of common interest for all LSPs, but also addressed the issue of consumers' trust in IoT devices from the point of view of security. Moreover, the event offered valuable insights regarding the first months of the post implementation era of the GDPR that could further enhance cross-fertilization within the IoT community, as it was attended by a diverse audience including privacy engineers, data protection officers and data governance experts. Overall, the event was of relevance because it surfaced legal considerations associated to personal data protection and consumer protection, which are closely linked not only to the outcomes of the LSPs' projects, but also to the overarching objectives of the Digital Single Market. In addition to the above-mentioned events, Arthur's Legal organized a series of webinars in line with the scope of Work Package 5 on "IoT Policy Framework-Trusted, Safe and Legal Environment for IoT". More specifically, Work Package 5 organized a series of seven open webinars focusing on personal data protection and IoT security and on how organisations may benefit from the impact of state-of-the-art security and personal data protection. This workshop series consisted of webinars focusing on the following topics: (1) GDPR: Processing, Protection, Security & Strategies, (2) X-by-design: Upstream and Downstream Resilience, (3) State of the Art Privacy Principles & Requirements, (4) Consent management & Engagement in IoT, (5) Compliance, Accountability, Assurance and Penalties, (6) IoT Ecosystems, Pre-procurement and Collaboration, and (7) Data Subject Rights and Data Management in IoT. The webinars were well-attended, and participants included representatives of all projects participating in the IoT European Large-Scale Pilots Programme.

4.4.36. Private High-Level Meeting at BOSCH Corporate Research

- **Date:** 22.11.2018
- **Venue:** Renningen, Stuttgart, Germany
- **Partner:** ARTS
- **Summary:** Presentation of the engagement of the programme with the arts to the manager running the arts programme of BOSCH, the manager of EU projects of BOSCH and the its Vice-President.
- **Relevance of the event for the IoT-LSP Program:** exposure of the programme to one of the most relevant companies in the field of mobility and others.

4.4.37. FIWARE Summit

- **Date:** 27-28.11.2018
- **Venue:** Santander, Spain

² Notably, EU Institutions agreed upon the Cybersecurity Act on 10 December 2018.

- **Partner:** ATOS
- **Summary:** To show/demo results coming from LSP SYNCHRONICITY. In concrete, the concept of Atomic Services with an IA/ML component to use NGSI data provided by IoT Sensor. Conceptually, Atomic Services are part of the architecture of SYNCHRONICITY project, as a layer making use of raw data coming from the SYNCHRONICITY Framework (based on OASC principles and NGSI standards. This new layer provides developers with an easy to use tool in order to better data management to create new added value services and applications. Atomic Services provides a unique and concrete functionality that can be chained with other services.
- **Relevance of the event for the IoT-LSP Program:** Atomic Services are part of SYNCHRONICITY LSP architecture and could be seen as an important interoperability point between different LSP (or other) projects. To show this outcome is also important to demonstrate some objectives of the project (and the LSP program), demonstrating the possibility of replicating and reusing services between different cities (or other verticals) which follow a similar architecture.

4.4.38. ICT 2018

- **Date:** 04-06.06.2018
- **Venue:** Vienna, Austria
- **Partner:** ATOS, MI, SINTEF, UNP, AS, ANYSOL, IDC, FE, ARTS
- **Summary:** ICT 2018 took place in Vienna on 4-6 December 2018. This research and innovation event attracted 4800 visitors and focused on the European Union's priorities in the digital transformation of society and industry. It presented an opportunity for the people involved in this transformation to share their experience and vision of Europe in the digital age.
- **Relevance of the event for the IoT-LSP Program:** The ICT 2018 is a good occasion to show these concepts, principles and architecture (LSP dissemination) that could be used by other projects or new proposals to construct a better interoperable ecosystem. Different partners from CREATE-IoT, have participated in this important event. And CREATE-IoT was present both at the STARTS and LSP Programme booth. CREATE-IoT gave an intense support to the LSP projects and the IoT Community.

It was a great opportunity to strength links with the LSP projects and specially with U4IoT.

The visit of the director of Future Networks, *Pearse o'Donohue* was really welcome. And his positive comments about the work done by the LSP projects generate a great enthusiasm.



Figure 14: Sessions from ICT 2018

4.4.39. STARTS Talk on Cybersecurity and IoT

Date: 05.06.2018

Venue: European Parliament, Brussels, Belgium

Partner: ARTS

Summary: a STARTS Talk mediated by MEP Urmas Paet. Mr Paet, within his mandates as Minister of Foreign Affairs of Estonia, was a key figure in the location of the NATO Co-operative Cybersecurity Centre in Tallin. The discussion was centred on the idea of demilitarization of cybersecurity and involved an artist, a researcher and an entrepreneur. The organization of such discussion was founded on the idea that IoT in order to fully bloom is dependent on the proliferation of trust, security and privacy. All of those are threatened mostly by cyberattacks.

Relevance of the event for the IoT-LSP Program: exposure of the programme to a wider audience in terms of policy making.



Figure 15: MEP Urmas Paet moderating the STARTS Talks on Cybersecurity and IoT.

4.4.40. EU & India Clustering on IoT technologies for Smart Agriculture – ICT 2018

- **Date:** 05.06.2018
- **Venue:** Vienna, Austria
- **Partner:** GRAD, NUIG
- **Summary:** Marcos Álvarez (GRAD) and Martín Serrano (NUIG) acted as panel speakers at the thematic session “EU & India Clustering on IoT technologies for Smart Agriculture” organized in the morning of 5 December. The session was organized by the FI-MEDIA project.³ The session was organized as an EU-India exchange of experiences and practices in the fields of smart agriculture and smart villages. One of the goals was to promote and gather interested partners for an EU-India clustering partnership around the use of IoT technologies in agriculture and rural areas.⁴
- **Relevance of the event for the IoT-LSP Program:** The panel included three representatives from the IoT LSP programme: one representative from IoF2020 (François Lienard from Schuttelaar & Partners) and two representatives from CREATE-IoT (Martín Serrano from NUIG and Marcos Álvarez from GRAD). GRAD contribution to the panel discussion was focused on promoting the impact that the LSP programme is having in different verticals, especially the agriculture vertical, through the IoF2020 project. The large and varied partner-

³ FI-MEDIA Project: EU-India Cooperation Platform in Future Internet and Electronic Media. Online at: <http://www.bic-fimedia.eu/>

⁴ Full details on this thematic networking session can be found in the ICT 2018 website: <https://ec.europa.eu/digital-single-market/events/cf/ict2018/item-display.cfm?id=21444>

ship in the LSPs and their design ensures engagement from a wide range of stakeholders thus helping the generation of real impact in terms of technology uptake and business model acceptability. GRAD invited the Indian representatives in the session to take inspiration on the European example on how to spark innovation in the field of agriculture.



Figure 16: Sessions from ICT 2018

4.4.41. Talk and Panel: Making Sense of Invisible Agents as part the session Art, The Human Touch of Technology – ICT 2018

- **Date:** 05.12.2018
- **Venue:** Vienna, Austria
- **Partner:** FE
- **Summary:** *Irini Papadimitriou* (Creative Director, FE) was an invited speaker on the ICT 2018 panel, Art, the Human Touch of Technology. The session explored how collaborations between artists, engineers and researchers address innovation challenges linked to the technological trans-formation of our societies. Irini's talk focused on the role of art as a catalyst in region-al/urban/social innovation, but also in critically reflecting on technology. Other speakers included *Vittorio Loreto* (Sony Computer Science Laboratories - Paris, France), *Aleksander Valjamae* (Tallinn University, Department of Digital Technologies, Estonia), *Gerfried Stocker* (Ars Electronica Linz GmbH & Co KG, Austria), *Miri Segal* (Faculty of Arts - Hamidrasha, Beit Berl academic college, Head of the postgraduate Fine Arts program, Israel), and the panel was moderated by *Eva Kaili* (European Parliament) and *Ralph Dum* (Senior Expert, Europe-an Commission, DG Connect and Head officer of STARTS)
- **Relevance of the event for the IoT-LSP Program:** The use of artistic interventions as part of a development process for innovative IoT solutions is one of the core research and development strands of the CREATE-IoT project. The panel brought together key arts professionals and industry experts, advocating for the importance and influence of artistic ideas in the creation of new products, services and pro-cesses, but also opening up conversations at a high-profile event such as ICT 2018 about the value of art, technology and science collaborations and how artistic approaches can change dominant or present alternative technological narratives.



Figure 17: Sessions from ICT 2018

4.4.42. LSP projects presentation at STARTS booth - ICT 2018

- **Date:** 05.06.2018
- **Venue:** Vienna, Austria
- **Partner:** SINTEF, ANYSOL, AS, ARTS
- **Summary:** CREATE-IoT has generated strong links between IoT and ARTS. During the ICT2018 in Vienna, CREATE-IoT has supported the STARTS booth in which our resident Artist *So Kanno* presented his chatbot of things. During the event, at the STARTS booth, located strategically in the event, the LSP projects had the opportunity to present their activities
- **Relevance of the event for the IoT-LSP Program:** It was a great opportunity to present the LSP projects, CREATE-IoT, AUTOPILOT, MONICA Project during the ICT2018, offering the possibility to reach a different public and allowing us to increase the IoT community as well as to disseminate the project to a broader audience.



Figure 18: Sessions from ICT 2018

4.5. Publications

Table 11 shows all the CREATE-IoT publications carried out during 2018 and are respectively detailed in the following subsections with the title, author(s) and publisher.

Table 11: CREATE-IoT dissemination publications

Title	Partner(s)	Date	Publisher
IoT European Large-Scale Pilots Programme: Large-Scale Pilots Projects (Brochure)	All CREATE-IoT, U4IoT, and LSP partners.	March 2018	IoT European Large-Scale Pilots Programme
IoT European Large-Scale Pilots Programme: Large-Scale Pilots Projects (Brochure Brief)	All CREATE-IoT, U4IoT, and LSP partners.	March 2018	IoT European Large-Scale Pilots Programme
Next Generation Internet of Things Distributed Intelligence at the Edge and Human Machine-to-Machine Cooperation	SINTEF, IDATE, NUIG, ETSI, ATOS, and other LSPs.	November 2018	River Publishers Series in Communication
IoT European Large-Scale Pilots Programme: Promotion materials (stickers, flyers, etc.)	All CREATE-IoT, U4IoT, and LSP partners.	2018	IoT European Large-Scale Pilots Programme

4.5.1. IoT European Large-Scale Pilots Programme: Large-Scale Pilots Projects (Brochure)

- **Partner(s):** All CREATE-IoT, U4IoT, and LSP partners.
- **Publisher:** IoT European Large-Scale Pilots Programme
- **Date of publication:** March 2018
- **Open access provided to this publication:** Yes⁵



4.5.2. IoT European Large-Scale Pilots Programme: Large-Scale Pilots Projects (Brochure Brief)

- **Partner(s):** All CREATE-IoT, U4IoT, and LSP partners.
- **Publisher:** IoT European Large-Scale Pilots Programme
- **Date of publication:** March 2018
- **Open access provided to this publication:** Yes⁶

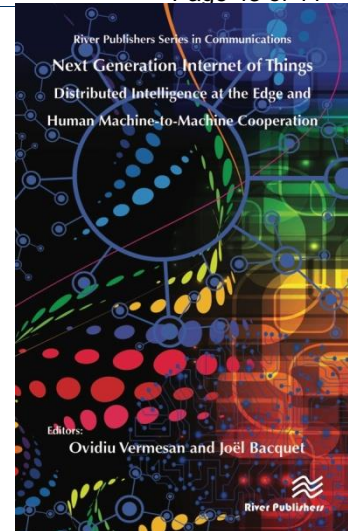


4.5.3. Next Generation Internet of Things Distributed Intelligence at the Edge and Human Machine-to-Machine Cooperation

⁵ https://european-iot-pilots.eu/wp-content/uploads/2018/03/220315_SD_IoT_Brochure_A4_LowRes_final-1.pdf

⁶ https://european-iot-pilots.eu/wp-content/uploads/2018/03/220315_SD_IoT_Brochure_A4_Brief_LowRes_final-2.pdf

- **Partner(s):** SINTEF, IDATE, NUIG, ETSI, ATOS, and other LSPs
- **Publisher:** River Publishers⁷
- **Date of publication:** November 2018
- **Place of publication:** Chapter 8 in IERC Cluster Book
 - Published in: River Publishers Series in Communication
 - Page(s): 293 - 320
 - ISSN: ISBN: 9788770220088 (Hardback)
 - Issue Date: November 2018
 - DOI: <https://doi.org/10.13052/rp-9788770220071>
- **Open access provided to this publication:** Yes⁸



⁷ <https://www.riverpublishers.com/>

⁸ https://www.riverpublishers.com/book_details.php?book_id=690

5. CONCLUSIONS

This document reported all dissemination and coordination activities carried out between m12 and m24 and of the project, with the objective of raising awareness among the research, industry and academia communities not only to the CREATE-IoT project, but for the complete IoT-LSP initiative. As such, this document identifies all coordination actions carried out (which mainly targeted the Activity Group 08 - Communication, Collaboration Strategy and Liaisons) and all dissemination activities (both events and publications).