CROSS FERTILISATION THROUGH ALIGNMENT, SYNCHRONISATION AND EXCHANGES FOR IoT

H2020 – CREATE-IoT Project

Deliverable 07.08

IoT FA coordination conference

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Dissemination level

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**Summary**

**No and name**: D07.08 IoT FA coordination conference

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<td>m22</td>
<td>31-10-2018</td>
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**Author(s)**

The conference event for the coordination and support activities for the alignment of the exchange of information on best practices among various initiatives covered by IoT Focus Area (IoT FA). This event focused on the IoT European Large-Scale Pilots Programme with the objective of following the progress of the programme's activity groups. These including the objectives, focus of the pilots, most challenging tasks (i.e. use cases), implementations (i.e. deployment of infrastructure), pilot architecture concepts/approaches with validated IoT reference architectures, interoperability, standardisation, cross-cutting issues inside and outside the project, cross-cutting use cases, common methodologies, KPIs, collaboration, communication with internal and external stakeholders. The event addressed the contribution of the projects to strategic activity groups to foster coherent implementation of the different IoT large-scale pilots.

**Editor**

M.D. Ordóñez (ANYSOL)

**DoW**

**Comments**

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**Document history**

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### 1.2 Non-publishable information

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### 3.2 Main areas of discussion

#### 3.2.1 KPIs topic

#### 3.2.2 Market papers and business model topics

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### 4.3 Main areas of discussion

#### 4.3.1 A Reference Architecture for LSPs

#### 4.3.2 The IoT-EPI White Paper on “Advancing Platform Interoperability”

#### 4.3.3 Replicability to other sites; Reusable components

#### 4.3.4 Standardisation: SDO Collaboration

#### 4.3.5 Wrap-up and next steps

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1. EXECUTIVE SUMMARY

1.1 Publishable summary

The focus of the IoT European Large-Scale Pilots Programme Common Midterm event on 17-18 October 2018 was on following the progress of the programme's Activity Groups (AGs), including the objectives, focus of the pilots, most challenging tasks (i.e. use cases), implementations (i.e. deployment of infrastructure), pilot architecture concepts/approaches with validated IoT reference architectures, interoperability, standardisation, cross-cutting issues inside and outside the project, cross-cutting use cases, common methodologies, key performance indicators (KPIs), collaboration, communication with internal and external stakeholders. The event addressed the contribution of the projects to strategic activity groups to foster coherent implementation of the different IoT large-scale pilots.

The AGs presented the summary of the work done and an overview of the work plan for the upcoming six months. The goal is to establish a common knowledge basis among the different IoT large-scale pilot projects, for clustering their results of horizontal nature (interoperability approach, standards, security and privacy approaches, business validation and sustainability, methodologies, metrics, etc.) to validate advanced IoT solutions across complete value chains with actual users and proving its socio-economic potential. The event is part of the coordination and supporting activities for the alignment of the exchange of information on best practices among various initiatives covered by IoT FA.

The document presents a report of activities of the different technical meetings held by IoT European Large-Scale Pilots Programme activity groups.

1.2 Non-publishable information

This document is public.
2. **INTRODUCTION**

As one of the two Coordination and Support Actions (CSAs) in the European IoT LSP Programme, CREATE-IoT participates in and leads different Activity Groups (AGs) of this programme. As such, CREATE-IoT plays an important role in fostering the interactions among with the LSPs projects and in the collaboration with the other CSA U4IoT.

The role of the European IoT LSP Programme AGs is to define, implement and monitor appropriate mechanisms to ensure that pilots’ impact go beyond involved partners and address external communities and stakeholders.

Between October and November 2018, the different AGs held technical meetings to present the updates, on-going works and discuss about the next steps to be done. CREATE-IoT coordinates AG01, AG02, co-coordinates with U4IoT AG05 and participates and supports AG04 and AG08.

The present document shows the results of the different meetings of these Activity Groups.

![Figure 1: LSP projects' partners and EC representatives](image)

An overview of the LSP partners mentioned in this document are summarised in Table 1. Their short names are used further in this document.

<table>
<thead>
<tr>
<th>Short</th>
<th>Full name</th>
<th>Country</th>
<th>Project</th>
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</thead>
<tbody>
<tr>
<td>AAU</td>
<td>AARHUS UNIVERSITY</td>
<td>Denmark</td>
<td>SYNCHRONICITY, IoF2020</td>
</tr>
<tr>
<td>AL</td>
<td>ARTHUR'S LEGAL BV</td>
<td>Netherlands</td>
<td>CREATE-IoT</td>
</tr>
<tr>
<td>ANYSOL</td>
<td>ANYSOLUTION SARL</td>
<td>Spain</td>
<td>CREATE-IoT</td>
</tr>
<tr>
<td>ARTS</td>
<td>ARTSHARE INVESTIGACAO TECNOLOGIA EARTE LDA</td>
<td>Belgium</td>
<td>CREATE-IoT</td>
</tr>
<tr>
<td>AS</td>
<td>ARCHIMEDE SOLUTIONS SARL</td>
<td>Switzerland</td>
<td>CREATE-IoT, U4IoT</td>
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<tr>
<td>ATB</td>
<td>INSTITUT FÜR ANGEWANDE SYSTEMTECHNIK BREMEN GmbH</td>
<td>Germany</td>
<td>IoF2020</td>
</tr>
<tr>
<td>ATOS</td>
<td>ATOS SA. ATOS IT SOLUTIONS AND SERVICES</td>
<td>Spain,</td>
<td>CREATE-IoT, MONICA,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Netherlands</td>
<td>SYNCHRONICITY</td>
</tr>
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The meeting started by an introduction of the European Commission (EC) representative. The stress was put on what remains to be achieved rather than on what has been done so far, and on the need for more external communication rather than on self-referring showcase.

Further strength was given to the need to avoid silos and fragmentation, and make more visible the results to the outside with two priorities:

- Member States
- Regions

There is therefore the need of a bold communication strategy targeted at national and local politicians. It was recommended for every participant to use every links available to reach out to MP, local politicians, community leaders etc. in order to raise awareness.
3. AG01 - IoT FOCUS AREA

3.1 Background, agenda and objectives

The AG01 Meeting was organized on 17th October 2018 at the SMIT Centre of the Vrije Universiteit Brussels within the framework of the IoT European Large-Scale Pilots Programme Workshop on Focus Area Internet of Things.

Table 2: AG01 Agenda of the meeting (IoT focus area sustainability)

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Lead / Presenters</th>
</tr>
</thead>
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<td></td>
<td>Plenary session moderators: Ovidiu Vermesan (SINTEF) and Joel Bacquet (EC)</td>
<td>CREATE-IoT (SINTEF), EC</td>
</tr>
<tr>
<td>1</td>
<td>Brief Introduction and meeting goals</td>
<td>CREATE-IoT (ATOS, IDC)</td>
</tr>
<tr>
<td>2</td>
<td>Update on Common Methodologies and KPIs selection</td>
<td>CREATE-IoT (IDC, IDATE)</td>
</tr>
<tr>
<td></td>
<td>Proposed Horizontal KPIs for feedback and validation</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>IoT LSP Programme Market e-book: Proposed outline and implementation plan</td>
<td>CREATE-IoT (IDC, IDATE)</td>
</tr>
<tr>
<td>4</td>
<td>Feedback and Validation of Horizontal KPIs and Market e-Book plan</td>
<td>CREATE-IoT (IDC, IDATE)</td>
</tr>
<tr>
<td>5</td>
<td>Next steps</td>
<td>CREATE-IoT (SINTEF, IDC, IDATE)</td>
</tr>
</tbody>
</table>

Within the overall objectives pursued by the AG01 activities, and specifically in terms of the analysis of LSPs and use cases approaches to sustainability and replicability and the business models used to provide a set of common KPIs, the meeting had as principal objective to:

- Present the initial KPIs list extracted from deliverable D01.04 (Common methodology and KPIs for design, testing and validation) of CREATE-IoT.
- Explain the process and the work carried out over the past six months in terms of common methodologies and KPIs.
- Present the short-list of KPIs providing a first selection of the actual KPIs to be measured at Programme level.
- Outline and agree upon the process to further refine the short-list and arrive at the final choice of KPIs.

3.2 Main areas of discussion

3.2.1 KPIs topic

ATOS and IDC presented a set of slides with the approach for the selection of KPIs so far and the suggested next step with an associated timing.

For each dimension identified by CREATE-IoT for the actual measurement of the KPIs (Technology and Standards; Business Opportunities, economic and social Impact; Ecosystem; General Acceptability and User Validation) a set of slides representing the initial choice of KPIs by CREATE-IoT and the current correspondence with the KPIs measured by the LSPs was presented. An example is provided in the two figures below.

The EC representative made a general remark and recollected that at the AUTOPILLOT and ACTIVAGE reviews it was recommended to keep the number of KPIs at a minimum.
3.2.2 Market papers and business model topics

IDC presented CREATE-IoT’s work on IoT market trends e-Book focusing on the market aspects of each LSPs focus area. The objectives of the market papers are to:

- Show that the IoT LSP Programme is an adequate answer to the challenges of IoT.
- Present current adoption dynamics and foreseen market development and impact in the main focus areas.
• Highlight the IoT LSPs Programme value added and achievements for Europe.

The proposed story line of the market papers is represented below as well as an example of the format and content.

![The proposed storyline diagram]

**Figure 4: e-Book Storyline**

![Why an e-book]

**Figure 5: e-book need**

The LSPs reiterated the need for a clear horizontal element in the Market Papers and the EC insisted on the fact to keep them short and easy to read. The EC also highlighted the need to make sure that the papers will be duly distributed to reach the largest possible audience and to use the LSPs network to this purpose.
Figure 6: Market paper draft

IDATE (CREATE-IoT) presented the next steps on IoT Business Models related to the use cases and the EC appreciated the work and suggested to consider looking at players beyond the project and keep in mind the idea of avoiding lock-in effects. The LSPs reiterated the importance of this piece of research so to understand how the market reacts to our value proposition and gather confirmations outside the project to talk with people outside the project.
4. AG02 - IoT STANDARDISATION, ARCHITECTURE AND INTEROPERABILITY

4.1 Background, agenda and objectives

This AG02 meeting has been held on the 18th of October 2018 in Brussels. This workshop was coming after the three technical workshops held in 2018 by Activity Group 02 Workshops. It has been an opportunity to present the progress of work of AG02 on the “LSP Interoperability Framework”. The agenda was as follows:

Table 3: AG02 Agenda of the meeting (IoT standardisation, architecture and interoperability)

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<th>No</th>
<th>Topic</th>
<th>Lead / Presenters</th>
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<td>Parallel session moderator: Emmanuel Darmois (ETSI)</td>
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<tr>
<td>1</td>
<td>Introduction and Status of Activity Group 02</td>
<td>CREATE-IoT (ETSI)</td>
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<tr>
<td>2</td>
<td>A Reference Architecture for LSPs</td>
<td>CREATE-IoT (ETSI)</td>
</tr>
<tr>
<td>3</td>
<td>Interoperability White Paper</td>
<td>CREATE-IoT (SINTEF)</td>
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<td>4</td>
<td>A view of IoF2020 on</td>
<td>IoF2020 (ATB)</td>
</tr>
<tr>
<td></td>
<td>• Replicability to other sites</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Reusable components</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Standardisation: working with SDOs</td>
<td>SYNCHRONICITY (AAU)</td>
</tr>
<tr>
<td>6</td>
<td>Update on AG02 and next steps.</td>
<td>CREATE-IoT (ETSI)</td>
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The objectives of this workshop were:
- To review the progress in establishing a common view across the IoT Large-Scale Pilots (LSPs) regarding topics such as: reference architectures and their mapping into a common model; 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.
- To analyse potential action regarding the dissemination of results.

4.2 General introduction

The meeting started by a presentation of the overall work approach of AG02 which is essentially dealing with on the identification of major technical approaches and commonalities: identification of the most relevant Use Cases for the LSPs; identification of commonalities in reference architecture models; clarification of the LSPs interoperability frameworks; landscaping of standards; dissemination of reference implementation(s) of promising IoT standards, serving interoperability and openness.

The progress of the work is structured by of a series of technical workshops: three of them already held (Workshop #1 on 10/01/18 in Brussels; Workshop #2 on 26/04/18 in Brussels and Workshop #3 on 06/06/18 in Bilbao during IoT Week) and a fourth to be held in November.

4.3 Main areas of discussion

4.3.1 A Reference Architecture for LSPs

The LSP Interoperability Framework, based on the work developed in the LSPs and the consolidation done in AG02, is dealing with Reference Architectures, Interoperability Points and
Mechanisms, Platforms and technologies and Standards and pre-normative activities. The focus of the presentation was the proposal of a common Reference Architecture model.

This model is based on the identification of aspects that are common to the LSPs. The objectives of this approach are to ensure that the model deals with all the functional aspects required, in particular “cross layers” (such as safety or privacy), but also with other non-functional aspects (such as scalability).

This is leading to a three-dimensional approach model with Layers; Cross-cutting functions and Properties, as shown in the figure below.

![Three-dimensional approach model](image)

**Figure 7: Three-dimensional approach model**

The further consolidation of the proposed Reference Architecture Model is including:

- A clarification of Cross-cutting Functions and Properties with the Identification of relevant ones and possible changes in the current list; and an understanding of how to handle APIs, Market Places, Components Catalogues;
- The development of examples of usage in LSPs Use Cases (e.g., IoF2020);
- A dissemination strategy towards the IoT community.

### 4.3.2 The IoT-EPI White Paper on “Advancing Platform Interoperability”

SINTEF briefly presented the work done by the IoT European Platform Initiative (IoT-EPI). The eight IoT-EPI projects (AGILE, bIoTope, BIG IoT, Inter-IoT, symbIoTe, TagItSmart! and VICINITY) are developing various interoperability solutions addressing different layers in the IoT architecture; and offering mechanisms for providing interoperability between different IoT platforms.

The IoT-EPI defines IoT platforms interoperability concepts (e.g., Patterns of Interoperability) and an approach to Semantic Interoperability. The IoT-EPI projects are in general embedding several platforms, some of them used across several IoT-EPI projects. In total, 34 different platforms are used by the eight IoT-EPI projects.
4.3.3 Replicability to other sites; Reusable components

ATB has introduced the view of IoF2020 on the two topics of Replicability to other sites and Reusable components.

The analysis approach for the development of IoF2020 Use Cases involves: Domain Models, the Deployment view, the Functional view, the Business Process Hierarchy view, the Information Model and the Interoperability End-points. On top of interoperability, two key aspects need to be addressed to maximise the synergies for cross-Use Cases and cross-LSP collaboration:

- Reusability with functional components offering cross-Use Case or Cross-LSP features;
- Replicability for enabling a wider stakeholder community to learn from validated IoT based solutions.

The main elements of the solution developed by IoF2020 relate to:

- The identification of a set of key reusable components that can be mapped on the various layers of the IoT system functional architecture. Example are IoT Broker (in the IoT service layer) or the Data Marketplace (spanning the Application, Information Management and Mediation layers);
- A sustainable IoT Catalogue presenting components as well as the lessons learnt in order to facilitate the realisation of IoT based solutions.

As a conclusion, the IoF2020 Architectural Process was presented as the approach chosen to ensure replicability, reuse and interoperability of IoT based ‘systems of systems’ as it has been validated in the more than 19 IoF2020 Use Cases.

![Figure 8: Replicability of use cases and reusable components - example IoF2020](image)

4.3.4 Standardisation: SDO Collaboration

The presentation was prepared by partners from SYNCHRONICITY (AAU, MI) and presented by AAU. The purpose of the presentation was firstly to give a brief overview of contributions to and other interactions with European, Global, Sectorial, National SDOs (Standards Developing Organisations) as well as collaboration with networks and ecosystems around developing standards.

It was also aimed at providing additional information about the use of standards with a detailed review of the collaboration developed by each of the five LSPs.

As a conclusion, the main points have been highlighted:

- The LSPs are very actively using (validating) and contributing to standards development; and they are consequently playing a crucial role in linking innovation and standardisation;
- The LSPs are seen as active contributors to and drivers of sectoral standards development;
Joint outputs can strengthen the overall internal and external visibility of the standardisation contributions and added-value by the LSPs.

4.3.5 Wrap-up and next steps

The AG02 work will continue with a fourth workshop to be organised in Brussels in November. Its objectives are to extend the participation to a larger set of relevant actors; to present and discuss the consolidated Interoperability Framework; to discuss possible dissemination approaches towards the larger IoT community.

The consolidation of results will be integrated in the CREATE-IoT Deliverable D06.02 (Recommendations for commonalities and interoperability profiles of IoT platforms).

The work will be expanded in 2019 with:

- The AG02 workshop #5 to be organised in February 2019;
- An AG02 event to be organised during the IoT Week 2019 in cooperation with AIOTI WG03
- A final AG02 workshop to be organised in October 2019.
5. AG04 - IoT ACCELERATORS ECOSYSTEM AND MARKET PLACE

5.1 Background, agenda and objectives

The meeting was held in two sessions on the 17th of October 2018 and has as objective to discuss on the following points:

- SMEs Participation
  - Review of SME participation
  - Best practice case-study: SYNCHRONICITY
  - Powering up SME engagement
  - Co-creation for an SME workshop in February 2019
- Arts
- Review of Open Call

Table 4: AG04 Agenda of the meeting (Ecosystems and open calls)

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<th>Lead / Presenters</th>
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<td>1</td>
<td>Open call state of play and achievements</td>
<td>SYNCHRONICITY, IoF2020</td>
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<tr>
<td>2</td>
<td>Update on AG04</td>
<td>U4IoT (LTU)</td>
</tr>
<tr>
<td>Parallel session moderator: Karl Andersson (LTU)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SME Engagement</td>
<td>SYNCHRONICITY (AAU), CREATE-IoT (BLU)</td>
</tr>
<tr>
<td>4</td>
<td>ICT and ARTS</td>
<td>CREATE-IoT (ARTS)</td>
</tr>
<tr>
<td>5</td>
<td>Update planning for AG04</td>
<td>U4IoT (LTU)</td>
</tr>
<tr>
<td>6</td>
<td>Next steps</td>
<td>U4IoT (LTU)</td>
</tr>
</tbody>
</table>

5.2 General introduction

The aim of this meeting was to:

- Exchange information on SME engagement;
- Identify achievements and lost opportunities;
- Highlight best practices for involving SMEs;
- Start to plan specific actions that can power up SME engagement with the remainder of the LSP deployment periods and beyond;
- Present the Art and IoT activities carried out; and
- Review the status of the current Open Calls.

5.3 Main areas of discussion

5.3.1 SMEs participation

5.3.1.1 Review of SME participation

A review has been done from the three LSPs involved (SYNCHRONICITY, MONICA and ACTIVAGE) regarding the participation of start-ups and SMEs and their classification (whether they are developers of solutions or adopters/deployers of technology), but also on the activities and channels used to involve and recruit SMEs. The results are shown in the table below:
Table 5: Results of LSP’s SME Engagement

<table>
<thead>
<tr>
<th>Topic</th>
<th>ACTIVAGE</th>
<th>MONICA</th>
<th>SYNCHRONICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Status from Open Call</td>
<td>- &gt;500 registration</td>
<td>-</td>
<td>- Target number of applications: 50-150</td>
</tr>
<tr>
<td></td>
<td>- 3 full proposals submitted so far</td>
<td>-</td>
<td>- Applications received: 133 (52 applied alone, 81 in a Pilot Group)</td>
</tr>
<tr>
<td></td>
<td>- But the deadline is Oct. 31st</td>
<td>-</td>
<td>- 46 New cities applied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>- Well-spread distribution of pilots across the 8 SYNCHRONICITY Core Pilot Cities: SAN 62, POR 55, MAN 54, ANT 51, EIN 47, HEL 47, MIL 43, CAR 32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>- Lead SME applicants in: ES 24, FI 19, UK 19, IT 13, PT 9, BE 8, NL 6, CH 5, DK 4, GR 3, (EE, FR, TR) 2, (DE, HU, IL, LV, NZ, PL, RS, SI) 1.</td>
</tr>
<tr>
<td>Start-up and SMEs Participation</td>
<td>- Current Open Call: 165 SMEs, 120 start-ups, 11 mid-caps</td>
<td>- 12 as part of the consortium</td>
<td>- Synchronicity Open Call target SMEs TRL≥ 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 4 so far as part of the 1st Hackathon</td>
<td>- 4 SME (in project Consortium) – 133 (SMEs as lead applicants of the open call)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Observation: being part of the project Consortium sets certain obligations for the partners (e.g. collaboration and sharing of information). Not all SMEs, especially those who have little experience in EU projects, may be aware of the extent of their obligations. This should be clearly explained to SME participants before the Consortium is even created.</td>
</tr>
<tr>
<td>Types of SMEs (developer/deployer)</td>
<td>- A mix of the two, as we are still in the middle of the Open Call, those that have registered (more than 500 proposals received)</td>
<td>- As of yet, developers and SMEs have been included as potential providers of solutions using the data and technology provided by the MONICA project</td>
<td>- Most of the SMEs selected through the open call will provide solutions to cities, which they will have developed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Ideally, but not necessarily, they will become adopters of some of the atomic services that our Consortium partners are developing.</td>
</tr>
<tr>
<td>Activity Used to Involve SMEs</td>
<td>- Open Call (500 participants) – Still open.</td>
<td>- MONICA Open Air Hackathon, Roskilde, 25th August 2018, 20 sign-ups, 4 teams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>- Launch events</td>
<td>- Hackingley, Headingley Stadium, Leeds, 26th October</td>
<td>-</td>
</tr>
<tr>
<td>Channels Used to Recruit new SMEs</td>
<td>2018. 7 teams registered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Webpage, direct emails to project networks, special campaigns through start-ups accelerators and other influencers (MIOTI, EIT-Health, Regional governments...), Social networks (LinkedIn, Twitter, YouTube), Presence in conference (IoT week, AAL forum), Media (press, TV)</td>
<td>- Hackathon events to select solutions and teams to pilot solutions</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- University Networks, Tech Nordic Advocates, Facebook Campaigns, Innovation Centres and Networks, Partners such as MUSICON, Meetup Groups, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Through established networks from the project partners; Open call launch events; webinars; city clinics; dissemination materials in EU or international conferences (business cards and flyers); social media channels (twitter and Facebook); 1-2-1 engagements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Support Needed by SMEs</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Too early to comment</td>
<td>- SMEs coming through the open call process will already have their technology developed but they will need to make adjustments and upgrades to integrate it with SYNCHRONICITY. This will be happening in the next phase of the project.</td>
</tr>
<tr>
<td>- Planning to put in place a programme of mentoring, a team of local mentors and technical mentors.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Role Played by SMEs to Date</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Currently exploring the piloting of solutions developed in the hackathons.</td>
<td>- SMEs have been engaged in the Hackathons, but it is too early to tell.</td>
<td>- SMEs have been engaging mainly through the open call while trying to understand the opportunity, buying into the vision of SYNCHRONICITY and aligning their already existing solution to the objectives of the project and the call.</td>
</tr>
</tbody>
</table>

5.3.1.2 Best practice case-study: SYNCHRONICITY

SYNCHRONICITY, represented by AAU, presented that the project targets SMEs and start-ups that provide technology and applications/services TRL ≥6.

They are users of our results to add value to their solutions, but still are on the supply side of the market. The presentation included the SYNCHRONICITY Open Call and the tools and services available for SME Engagement.

![Figure 9: Synchronicity Tools & Services for SME engagement](image-url)
The Open Call is just the beginning for SMEs. Not a leading role but key to innovation. Those SMEs entering the consortium will showcase their solutions and the success of SYNCHRONICITY/OASC approach which will contribute to attract new cities and industrial players. It will also enable them to wide use and reuse of Open Data, monetization of city assets and more & better services for citizens.

5.3.1.3 Powering up SME engagement

The three LSPs presented their action plan and learnt best practices to further increase SMEs engagement. Results are shown in the table below:

Table 6: LSP’s Action Plan and Learnt Best Practice to Power Up SME Engagement

<table>
<thead>
<tr>
<th>Topic</th>
<th>ACTIVAGE</th>
<th>MONICA</th>
<th>SYNCHRONICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actions planned to involve SMEs until end</td>
<td>- Prepare 2 Open Call. March 2019</td>
<td>- Engage in further hackathons</td>
<td>- Bonding and Customisation workshop between, SMEs and Pilot groups, cities and project support partners</td>
</tr>
<tr>
<td>of LSP</td>
<td>- Sustainability plan definition, identify needs and barriers for SMEs as adopter</td>
<td>- Provide Growth Acceleration Programme to winners</td>
<td>- SME Club, in coordination with CREATE-IoT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Co-develop the pilot solutions across the sites of the programme</td>
<td>- Supply/demand side events leveraging existing and relevant conferences and events.</td>
</tr>
<tr>
<td>Expected impact</td>
<td>- Support the pilots to develop and bring their technology closer to the end-user and the market</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SME Engagement Support across LSPs</td>
<td>- Share how others have done it</td>
<td>-</td>
<td>- Support creating an SME community and a momentum around it.</td>
</tr>
<tr>
<td></td>
<td>- Gain better learnings for 2nd Open Call</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Look to how to generate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Learnt Best Practices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Do</strong></td>
<td><strong>Don't</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Use good tools (e.g. Zoho HelpDesk) for communications and management with the SMEs</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Keep contact with them on a regular basis. Keep the engagement fluid.</td>
<td>- Consider all SMEs as a single amorphous organization. They are very distinctive types of SMEs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Manage expectations of SMEs</td>
<td>- Do engagement activities for the sake of doing them. Time is very precious for SMEs. Do them if there is a clear valuable purpose.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5.3.1.4 Co-creation for an SME workshop in February 2019

A discussion has been held to define the following issues:
- Focus on further engagement within the LSP life-span?
- Focus on starting to generate impact on the basis of technology adoption?
- What content would help you achieve your SME engagement objectives?
- Final content to be decided in AG04 SME engagement sub-group calls

5.3.2 Arts

5.3.2.1 Concepts, assumption and goals

ARTS reminded the concept of CREATE-IoT that is to stimulate the business development through the arts by inspiring individuals and groups to create innovative solutions by assembling technologies made available by the LSPs.

As such he explained that CREATE-IoT promotes crosscutting activities through the LSPs; that innovation is done by individuals that then join others becoming a company; that artists are good in shifting perspectives over subjects, objects or processes; and that some artists are good at facilitating interaction between people from different origins.

The goals of CREATE-IoT are:
- To work with regional innovation actors; entrepreneurs, citizens, public authorities and investors mediated by artists.
- Experiment with the emerging open standards and architectures to which the LSPs contribute to.
- To work with companies inside and outside the LSPs.
- To push in the European Parliament for the creation of EU policies around the experiment readiness levels

5.3.2.2 Current status of activities

CREATE-IoT by ARTS then presented the current status of the activities carried out (51% of the project planned activities have already been carried out), such as the liaison with STARTS programme.

The following topics/activities were presented:
- CREATE-IoT methodology: it consists in hackathons, artistic residencies, exhibitions and discussions, enabling improvement, exposure, identification and co-creation.
• The Wiki: it is a cooperation platform that allows to engage innovation actors inside and outside the LSPs, that serves as a knowledge repository and a connecting hub (business/social media platform).
• The Science, Technology and the Arts Initiative of the Digital Single Market (STARTS): it is a gateway for the LSPs to reach companies and members of the European Parliament.

Figure 12: Presentation of IoT and ARTS, CREATE-IoT

5.3.2.3 Lessons learnt
• Lesson 1: put more effort in concrete action and less in reports and meetings
• Lesson 2: interact more with real-life companies
• Lesson 3: respect LSPs management structures
• Lesson 4: focus on the potential actors of action beyond the end of the LSPs Programme

5.3.2.4 Next steps
• Concrete activities
• IoT list of artists
• Wiki
• ICT2018
• Open Smart Cities Conference
• IoT week 2019
• Policy (ERL/ISO)

5.3.3 Open calls
Three LSPs have launched open calls for SMEs to contribute to the technologies being tested within the pilots, increasing the impact of IoT across Europe and worldwide. These three LSPs are SYNCHRONICITY, IoF2020 and ACTIVAGE.

5.3.3.1 Open call activity
First was presented a summary of the activities undertaken since January 2018:
• Monthly Telco
  o Two high-level telcos involving the EC – February/May 2018
• Landing Page of the Open Calls https://european-iot-pilots.eu/opencalls/
• Liaising with AG08 / Supporting programme-level Open Call related promotional activities at the IoT Week 2018:
  o Announcement at the welcoming reception
  o Videos of interviews with Leads of Open Calls https://european-iot-pilots.eu/opencalls/
  o Dedicated Sessions of presentations
    ▪ Overview
    ▪ SME targeted session
• Liaising with AG08 / Social media coverage
### 5.3.3.2 Open call achievements

**Table 7: Review of Open Calls**

<table>
<thead>
<tr>
<th>Topic</th>
<th>ACTIVAGE</th>
<th>IoF2020</th>
<th>SYNCHRONICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dissemination</td>
<td>- Web-page (&gt;6.7k webpage views)</td>
<td>- Intensive use of the IoF2020 website, newsletters and social media</td>
<td>- A list of 122 SMEs' network contacts has been created, including channels</td>
</tr>
<tr>
<td></td>
<td>- More than &gt;500 registration</td>
<td>- IoF2020 (WP5) network was activated: Articles placed in websites and</td>
<td>from all the SYNCHRONICITY partners, with a specific focus on city channels</td>
</tr>
<tr>
<td></td>
<td>- Multimedia materials about open call and DS info</td>
<td>newsletters of IoF2020 partners &amp; network (COPA-COGECA, CEMA, CEJA, IFOAM,</td>
<td>as well.</td>
</tr>
<tr>
<td></td>
<td>- Top countries for viewing the page – Spain, Greece, Italy, France, UK,</td>
<td>EIP-Agri, ERRIN, H2020 Newsroom): more than 20,000 targeted stakeholders</td>
<td>- 4 webinars with a total of 177 attendees</td>
</tr>
<tr>
<td></td>
<td>Germany, Finland, Ireland, Switzerland</td>
<td>- Open call relayed on social networks of IoF2020 and its members: open</td>
<td>- 27 online and offline city clinics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>call tweets were popular (typically +1000 impressions in 48h for our</td>
<td>- 18 Open Call launching events (in total 501 people attended these events)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>twitter)</td>
<td>- Promotion of the open call in 27 international events (estimated audience</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Communication materials: Brochure, postcard, 1 video, webpage with</td>
<td>of about 6K attendees)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>online assistance, 200 questions were submitted in June-August (and</td>
<td>- A specific section around the open call has been included in the newsletter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>answered), proposal submission interface developed</td>
<td>with almost 500 recipients</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Events: materials distributed in at least 10 international events:</td>
<td>- Marketing materials created: 2 flyers, 2 roll-ups, 1 business card, 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>more than 1,000 persons reached.</td>
<td>dynamic banner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Open Call Webinar: 140 participants.</td>
<td>- 50 news posted on the website and on our social media channels around the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Special direct communication action to reach further including</td>
<td>open call from February to September 2018. Only on twitter in the last week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eastern Europe</td>
<td>of the SYNCHRONICITY open call, where we focused on promoting the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>upcoming deadline of the open call, we earned 5.127 impressions for our</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>posts, and during the whole month of September we earned 50.300 impressions.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- 9 videos around the open call on the SYNCHRONICITY YouTube channel viewed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>761 times</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- An online forum to support applicants has been set up, along with a helpdesk</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>system</td>
</tr>
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</tbody>
</table>
| Application Status from Open Call | - >500 registration  
- 3 full proposals submitted so far  
- But the deadline is Oct. 31st | - 250 pre-registrations in August  
- 99 proposals in September (50-60 expected)  
- 27 New regions (first challenge), 10 Post-farm stakeholders or other sectors (second challenge), 62 both challenges with lead partners in: AU 1, BE 3, BG 2, CH 3, DE 3, DK 2, ES 18, FI 2, FR 3, GR 10, HU 2, IE 4, IT 12, LT 2, LV 2, NL 7, PL 2, PT 8, RO 5, RS 4, SE 1, SI 1, TR 1, UK 1.  
- Open Call budget should be sufficient to finance approximately 15 new use cases | - Target number of applications: 50-150  
- Applications received: 133 (52 applied alone, 81 in a Pilot Group)  
- 46 New cities applied  
- Well-spread distribution of pilots across the 8 SYNCHRONICITY Core Pilot Cities: SAN 62, POR 55, MAN 54, ANT 51, EIN 47, HEL 47, MIL 43, CAR 32  
- Lead SME applicants in: ES 24, FI 19, UK 19, IT 13, PT 9, BE 8, NL 6, CH 5, DK 4, GR 3, (EE, FR, TR) 2, (DE, HU, IL, LV, NZ, PL, RS, SI) 1. |
| Platform / Channel Efficiency | - Submittable  
- Really good option to track all the open call process:  
  ▪ Proposals submission process  
  ▪ Evaluation process  
  ▪ Open call management  
- Helpdesk, Zoho  
  ▪ Good tool to manage all the consultations received about the open call.  
- Easy to use and ideal for multi-users. | - IoF2020 has not used a specific platform for this, but the IoF2020 website and regular project administration working fine and smoothly for the project | - There is no ideal platform, it has its pros and cons.  
- Cons: it is not straightforward to set-up from an administrator point of view  
- Pros: from a user and evaluator experience point of view it is very simple to use.  
- Overall: it is worthwhile investing some initial effort. It makes the process much easier and smoother during the evaluation of hundredths of projects.  
- Overall satisfaction from the Open Call team: 70% |
| Lessons Learned and Achievements | - Achievements:  
- At this stage we can evaluate the very good results of the registration to collect which institutions were interested and from where (>500 registration)  
- Lessons Learned and Good Practices:  
  ▪ Helpdesk system (Zoho) has helped to provide strong coordination and support to the applicants  
- As the Open Call is still on going, it is expected to receive the proposals the last 2 weeks before the | - Achievement:  
- Very good results were reached, so far; there was a lot of interest in the IoF2020 Open Call, and we received more proposals than we expected  
- Good practices:  
  ▪ The regular communication in IoF2020 is quite experienced and effective, which was very helpful to reach enough stakeholders with the Open Call | - Achievements:  
- Very good results were achieved regarding target number of applications, target groups and regional spread.  
- Lessons Learned and Good Practices:  
  ▪ Have a very clear idea of your target audience from the very beginning. This will help focus your engagement and communication strategies.  
  ▪ Coordination between the Open Call core team, the partner cities and the
<table>
<thead>
<tr>
<th>Deadline (deadline Oct 31st)</th>
<th>Lessons learned:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- The period for the external review of the proposals is very short (2 weeks), maybe in a next Open Call it would be better to take one or two weeks extra for this.</td>
</tr>
<tr>
<td></td>
<td>- A rotational helpdesk system (Zoho) has proven to be invaluable in order to provide constant support to applicants.</td>
</tr>
<tr>
<td></td>
<td>- The application period requires an engagement exercise (e.g. city clinics, physical events, availability of partners to answer questions – more customized), not just a dissemination and a communication one.</td>
</tr>
<tr>
<td></td>
<td>- More than half of the applicants apply in the last 2-3 weeks before the deadline.</td>
</tr>
</tbody>
</table>

### Next Steps

- Evaluation process will start soon:
  - Webinar with the reviewers prior to the submission deadline (October 24th – tentative)
  - Mentoring/Coaching team will be defined to support the new SME’s & start-ups (1 person from the DS + 1 person from IoT cluster)
  - Launch of deployment expected in Jan. 2019
  - Preparing the 2nd Open Call! To be launched on March 1st 2019
- External evaluations and consensus meetings in October
- Negotiations and contracts with winning proposers in November and December
- Shortly after 0.01.2019, the new use cases will start
- Currently undergoing evaluation of the proposals.
- End Nov 2018: Open Call Winners will be announced.
- Dec 18-Jan19: period for re-scoping and signing contracts.
- Pilots will start in Feb 2019 and will last for 6 months.

### 5.3.3 Open call future planning

Regarding the planning of the Open Call for the future, the following has been defined:

- **Monthly telcos on status and support needed**
  - More future-looking discussion
  - More targeted topics (On top of the standard monthly agenda, defining a theme two weeks before the Call)
  - Better define the objectives (e.g. Avoid overlap with AG08 – perhaps AG08 to lead all open call communication activities, while can ask AG04 for inputs)
- **Support to open calls at future events**
- **Future of the group activities (esp. once the winning projects start)**
  - Elements of sustainability / Impact to be added to the discussion
  - Combining the discussion on SME Engagement?
  - Engage MONICA and AUTOPilot
6. AG05 - TRUSTED IOT, PRIVACY, SECURITY AND LEGAL FRAMEWORKS

6.1 Background, agenda and objectives
The AG5 focuses on privacy and end-user engagement issues which are two key aspects of high relevance for the different LSPs. The aim is to share experiences and discuss common problems in order to improve the technical solutions offered by the different LSPs. The AG05 Meeting was organized in two sessions on 17th October 2018 at the SMIT Centre of the Vrije Universiteit Brussels within the framework of the IoT European Large-Scale Pilots Programme Workshop on Focus Area Internet of Things that was held in the same building on the 17th and 18th October 2018.

The meeting was structured along the following agenda, which was substantially respected.

Table 8: AG05 Agenda of the meeting (Privacy and end-user engagement)

<table>
<thead>
<tr>
<th>No</th>
<th>Topic</th>
<th>Lead / Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plenary session moderators: Peter Wintlev-Jensen (EC)</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Security Cluster state of play</td>
<td>EC</td>
</tr>
<tr>
<td>2</td>
<td>Update on AG5</td>
<td>U4IoT (LTU), CREATE-IoT (AL, AS)</td>
</tr>
<tr>
<td>3</td>
<td>Update on CREATE-IoT: IoT Policy and legal framework</td>
<td>CREATE-IoT (AL, AS)</td>
</tr>
<tr>
<td></td>
<td>Parallel session moderator: Anna Stählbröst (LTU)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>User engagement</td>
<td>ACTIVAGE (MYS)</td>
</tr>
<tr>
<td>6</td>
<td>Trust - code of conduct</td>
<td>(SIEMENS)</td>
</tr>
<tr>
<td>7</td>
<td>Ethics</td>
<td>IoF2020</td>
</tr>
<tr>
<td>8</td>
<td>Update planning and coordination on AG05</td>
<td>U4IoT (LTU), CREATE-IoT (AL, AS)</td>
</tr>
<tr>
<td>9</td>
<td>Next steps</td>
<td>CREATE-IoT (AL, AS)</td>
</tr>
</tbody>
</table>

Figure 13: AG05 meeting

6.2 General introduction
The panel was introduced by a presentation made by the EC representative on the Security Cluster which involves the new eight projects which are relevant for it and with which the new
CSA will closely cooperate. The work with the new projects which are part of the Security Cluster will also continue later with the new CSA starting in November 2018. After this presentation, CREATE-IoT represented by AS presented the work of the AG05 of privacy and end user engagement, the results achieved so far and future plans.

### 6.3 Main areas of discussion

CREATE-IoT represented by AS started the presentation by describing the focus and the aims of AG05 which include sharing experiences and discuss common problems among LSPs in order to improve the work processes as well as technical solutions offered. AS mentioned how AG05 was revamped in 2018 and how from May regular meetings and a yearly calendar were established. A yearly calendar of meetings will be established also for 2019. During the discussion, and thanks to the contribution of the different participants, the different priority areas for AG05 were identified. They include:

- Privacy
- Ethics
- End-user engagement
- Trust (indirectly)

AS continued his presentation mentioning the survey conducted on privacy within LSPs, the activity at the IoT week on the privacy and security booth, the work also done in the context of U4IoT on end-user engagement and what has been done so far on ethics within LSPs. It was also mentioned that a questionnaire on this topic will be circulated and inputs will be collected from the different LSPs.

AS mentioned, that people active within the context of AG05 will continue to contribute to the work of the ISO Study group on Societal and Human Factors in IoT based services.

In essence, there was agreement on the fact that AG05 has guaranteed a regular place for LSPs to exchange best-practices and confront ideas on the different topics of relevance for them. As mentioned in the meetings it was remarked that also individual supports call can be organized in the future.
7. AG08 - COMMUNICATION, COLLABORATION STRATEGY AND LIAISONS

7.1 Background, agenda and objectives

The AG08 Meeting was organized on 18th October 2018 at the SMIT Centre of the Vrije Universiteit Brussels within the framework of the IoT European Large-Scale Pilots Programme Workshop on Focus Area Internet of Things that was held in the same building on the 17th and 18th October 2018. The meeting was structured along the following agenda:

Table 9: AG08 Agenda of the meeting (Communication, collaboration strategy and liaisons)

<table>
<thead>
<tr>
<th>No</th>
<th>Topic</th>
<th>Lead / Presenters</th>
</tr>
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<tbody>
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The main objectives of this meeting were:
- Present the dissemination activities carried out
- Coordinate the next events to be organised by the LSPs
- Identified the communication and dissemination needs of the LSPs
- Coordinate the change of leadership in the AG08

7.2 General introduction

IoF2020 represented by SP presented the general objectives of this AG08, as well as the activities carried out in the last period.

It was mentioned that SP was in charge of leading this AG until October, but they will keep coordinating the AG until 31st December and in January this role will pass to AAU, lead partner of SYNCHRONICITY until June 2019, so this way the continuity of this AG will be ensured and SYNCHRONICITY will support the activities as was done by IoF2020.
IoT Week 2018 in Bilbao was a great event which gave visibility to the Community.

In December the ICT2018 will be held in Vienna and the LSPs will be present, a coordination action will be important to offer a common message.

Some representatives of the Commission were present during the meeting and asked for a common frame of all projects. It was pointed out that not all LPS individual webs had a link to the LSP programme website.

Communication and dissemination are key pillars for the LSP programme, and it is important the effort of all partners to ensure this visibility.

7.3 Main areas of discussion

SP (IoF2020) mentioning the achievements carried out, thanks to a communication strategy based on working together to achieve better and higher impacts.

![Figure 15: Achievements](image)

7.3.1 Material produced

The material produced follows the indications of the communication action plan, the communication strategy and the social media strategy set when SP (IoF2020) received the mandate as AG08 responsible.

The communication goals are:

- Strengthening uptake of IoT
- Supporting and serve as an example to the communication actions of all LSPs
- Enhancing the visibility of the LSPs
- Amplifying the communication efforts of the LSPs
- Highlighting the unity between the LSPs
- Showcasing examples of applications of IoT to stakeholders

Preparation and distribution of five editions of a monthly monitoring with the most recent stories in the respective fields of the LSPs.

The brochure has been very welcome and achieved a large audience. An Open Call Info Card has been created to give information of the Open Calls of the different LSPs. In this line, great support has been given to the LSPs launching open calls.

SP (IoF2020) explained that an animation is the best way to simplify technical concepts such as IoT and explain them in a highly visual way.
A promotional video of AUTOPilot was presented.

The website is an important point to disseminate the LSP programme achievements. CREATE-IoT represented by IDC was presenting the changes carried out.

The impact in social media was presented. There are differences between the LSP programmes in terms of number of followers and visibility. The fact of that some projects have launched Open Calls has helped a lot to increase their visibility.
7.3.2 Demonstration and Liaison with local communities

All LSPs mention that the fact of having launched Open Call have greatly increased the contact with local communities. Some comments from three LSPs:

- **ACTIVAGE**, represented by MYS: they have many users, since they communicate at local level, involving local communities and using their own channels.
- **IoF2020**, represented by SP works directly with local farmers, and people working in the agriculture sector. The messages are very clear and visual information is used. They have created strong local networks to communicate the project
- **ACTIVAGE**, represented by MYS is also working a lot at local level. The language uses to be a barrier, so the fact of working at local level eliminates this problem

7.3.3 Events

Explanation of the participation in the IoT Week 2018 in Bilbao. SP (IoF2020) underlined the importance of this event and the visibility achieved.

![Joint activity - IoT Week in Bilbao](image1)

*Figure 20: IoT Week 2018 figures*

Planning of Parliament Event. The target groups for this event:

- Decision-makers
- Politicians
- Experts from the European Commission and Members States Permanent Representations

![IoT LSPs Programme’s event in the European Parliament](image2)

*Figure 21: IoT LSPs event at the European Parliament proposal*

Finally, this event was not organised. This pen-drive containing the animated video together with other documents/visuals highlighting the joint and individual efforts towards the uptake of IoT in Europe. This pen-drive will be handed out at joint LSP events.
Future Events: IoT Week 2019 Aarhus.

CREATE-IoT/U4IoT represented by MI presents the idea of the IoT Week. The registrations for the event have already opened. It will give a high visibility to the LSPs.

IoTWeek 2019 aligned with the ODS - UN with industrial partners as Microsoft have also request an alignment with the ODS.

7.3.4 New partners and initiatives in AG8

All partners welcome ANYSOL (AnySolution SARL) as new partner in CREATE-IoT. ANYSOL will be the lead partner of the dissemination and communication in the project.

CREATE-IoT, represented by ANYSOL who introduces the company and the expertise in the field of communication and dissemination.
Generate a common hashtag will be important to give an overall visibility of the programme.

Until the end of the year:
- Ensure smooth transition until the end of the year.
- Finalise the animated video and its dissemination.
- The AG08 should make sure that the established synergy between the projects is kept and that trust is unbroken.
8. CONCLUSIONS

The present documents summarize the results of the 2 days event focused on the IoT European Large-Scale Pilots Programme with the objective of following the progress of the programme's activity groups. The AGs technical meetings covered the on-going and future planned activities.

The current report shows that considerable works and efforts have been made between the different LSPs and AGs. It shows not only the work done but presents the next steps and action plans to further increase the impact of the results obtained.

As a direct result, the work performed has contributed to:

- Increase the IoT community, not only among the IoT European Large-Scale Pilots Programme projects by consolidating their cooperation, but on a wider scale through all the dissemination, communication and engagement activities with a larger community of stakeholder.
- Improve the coordination of joint activities between IoT European Large-Scale Pilots Programme projects, increasing as such the efficiency and impact of these activities.
- Improve the quality of the IoT European Large-Scale Pilots Programme projects work through fluid communication and exchange of knowledge, experience and best practices, and using common methodology and tools.

For the future, the AGs agreed to continue with the good work, maintaining and increasing the level of cooperation and communication.