



Euro-5g – Supporting the European 5G Initiative

D1.4: Final report on dedicated high-level stakeholders workshops and events

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Abstract

Deliverable 1.4 presents a final report of the activities performed by Euro-5G to support the 5G PPP's organisation of and participation in high level events and meetings with the involvement of top representatives from institutions, as well as CEOs or CTOs of major global technology companies. It covers the period from 1 July 2016 to 31 August 2017.

Note that this document is not meant to describe the other numerous 5G PPP events and meetings supported by Euro-5G as these events are already presented in other Euro-5G Deliverables.

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Executive Summary

This final report focuses on Euro-5G's essential role in organising meetings and events with high-level representatives of institutions and industries. It follows Deliverable 1.2 (intermediate report) and covers the following events over the period 1 July 2016 – 31 August 2017:

- The 2nd Global 5G Event, Rome, 9-10 November 2016
- The 3rd Global 5G Event, Tokyo, 24-26 May 2017
- The 5G PPP Press, Media and Analyst event on “5G Action Plan: from Research to Trials” on 28 February 2017, at the Mobile World Congress in Barcelona
- Signature of a bilateral MoU between 5G-IA and Brazil on 28 February 2017

Logistics, printed material and local support for these events were organised by Euro-5G, in addition to broad communication and promotion, before, during and after each event.

As explained in detail in Deliverable 1.2, in agreement with the European Commission (EC), the scope of this deliverable changed with respect to what was originally envisaged in the DoA. This was necessary to adapt to the new circumstances (i.e. the decision of the EC to take over responsibility to organise meetings with C-level executives without the support from Euro-5G) and to better support 5G PPP's initiatives related to the 5G Action Plan [1] and international cooperation.

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Abbreviations

CEO	Chief Executive Officer
CTO	Chief Technology Officer
EC	European Commission
DoA	Description of Action
MoU	Memorandum of Understanding
MWC	Mobile World Congress
PPP	Public Private Partnership

1 Global 5G Events

The following five organisations:

- IMT-2020 Promotion Group (China),
- The Fifth Generation Mobile Communications Promotion Forum (Japan),
- 5G Forum (Korea),
- 4G Americas (America)² and
- The 5G Infrastructure Association (Europe)

agreed to organise a series of Global 5G Events to create synergies, optimise resources, foster communication and build global consensus on 5G technologies development and adoption. To this aim, a multilateral MoU was signed on October 20, 2015 during the EU ICT 2015 Conference in Lisbon at the presence of European Commissioner H.G. Oettinger (see Figure 1). The press release is available on the 5G PPP website [2].

In May 2017, “Telebrasil – Projeto 5G Brasil” (Brasil) joined the Multilateral MoU.

After the 1st Global 5G Event, which was held in Beijing on 31 May – 1 June 2016, two more Global Events were organised.



Figure 1: Signature of the Multilateral MoU in Lisbon

1.1 2nd Global 5G Event in Rome, 9-10 November 2016

The 2nd Global 5G Event: “Enabling the 5G EcoSphere” was organised by EURO-5G on 9th and 10th of November 2016 in Rome (Italy) with support from the European Commission, the 5G PPP stakeholders and the 5G Infrastructure Association (5G IA).

The dense programme of the event is available on the 5G PPP website [3].

The event was very successful with:

- More than 360 registered participants from 26 different countries
- More than 30 Universities and Research Centres attending.
- 8 Representatives of the European Commission joining, including European Commissioner for Digital Economy and Society Günther H. Oettinger and the Director General of European Commission DG CONNECT Roberto Viola

² This organisation changed its name to “5G Americas”

- 7 National Governments were represented: Italy, Japan, United States, South Korea, China, Brazil, Sweden, with intervention in the opening of Antonello Giacomelli, Under-secretary of the Italian Minister of Economic Development, with the mandate for Communications.
- More than 250 Industry representatives (companies and industry associations), including the speech of Giuseppe Recchi the Executive Chairman of Telecom Italia in Italy.



Figure 2: Commissioner Oettinger’s speech at the “2nd Global 5G Event” in Rome

Furthermore, an exhibition (opened in parallel to the conference) with 24 booths was organised. The latest results and demos from 17 5G PPP Phase 1 projects were showcased there and networking among players from all over the world took place in a productive and dynamic atmosphere.

The large exhibition area (900 m²) was very much appreciated by the events’ participants and had a large number of visitors.

Photos of the event and exhibition are available on the 5G PPP website [4].

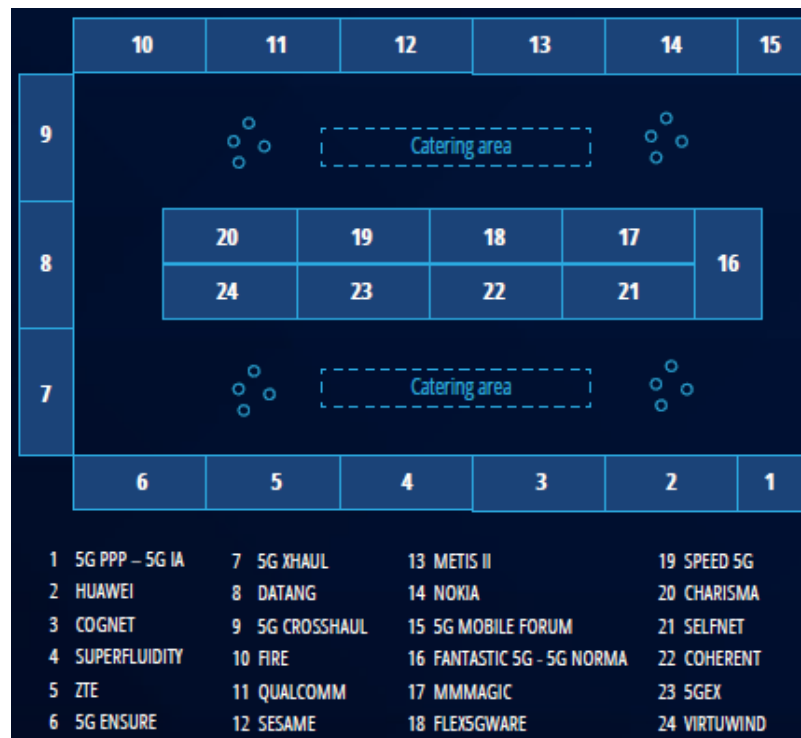


Figure 3: Floorplan of the exhibition area at the “2nd Global 5G Event” in Rome

The joint press release issued after the event is available on the 5G PPP website [5].

The event had good media coverage with articles published in online and offline publications worldwide reporting on the event (e.g. Financial Times, Corriere Comunicazioni, Telecompaper, Key4Biz).

There were over 70 tweets (hashtag #GLOBAL5G) in 36 hours.

At the event, the 5G IA distributed:

- The first issue of the ‘The European 5G Annual Journal’ [6]
- The brochure “SME Expertise and Skills in the 5G Domain” [7]

Highlights of the Event (conference and exhibition) are also available in Euro-5G Deliverable *D4.3 “Final Liaison Report”*.

A detailed description of the support that Euro-5G provided for organising and running the event is available in Euro-5G Deliverable *D2.7 “Final report on 5G programme governance and operation, including event support”*.

Detailed information on the promotional material that Euro-5G produced for the 5G event in Rome is available in Euro-5G Deliverable *D3.4 “Final report on communication and public relation activities”*.

Strategic Impact

The following strategic impact has been achieved with the organisation of the 2nd Global 5G Event in Rome. This is also the result of Euro-5G’s continuous effective work in close cooperation with the 5G-IA and EC.

- Support of consensus building between different regions on major 5G topics like 5G architecture, spectrum, radio interface, network management and involvement of vertical sectors.
- Representatives from the different regions discussed these areas with the objective to identify common views.
- Closer cooperation with counterparts in Brazil prepared, which led to the signature of a MoU during MWC 2017 in Barcelona.
- Facilitation of a showcase of European R&D in Horizon 2020 projects in the exhibition.
- Most 5G PPP projects contributed and demonstrated their achievements towards an international audience.

Furthermore, in the context of the Rome event, the Commission organised with the support of Euro-5G and 5G-IA a CEO/CTO meeting to further discuss next steps after the publication of the 5G Manifesto from industry and the 5G Action Plan from the Commission. The following main conclusions were drawn:

- Industry to develop a workplan in line with the 5G Action Plan
- Closer involvement of verticals in the activities including the identification of requirements (e.g. Verticals participated in the 5G-IA press event at MWC 2017).
- A 5G trials roadmap strategy was discussed
- Boost the activities of the Trials WG, which was started in October 2016 to honour the commitments made in the 5G Manifesto and as a response to the 5G Action Plan.

1.2 3rd Global 5G Event in Tokyo, 24-26 May 2017

The third Global 5G Event attracted 270 participants from five continents, who met on 24 – 26 May 2017 in Tokyo, Japan. Their purpose was to cooperate on building global consensus on 5G among the world's 5G promotion organizations.

The event consisted of a two-day workshop at the Hilton Tokyo Odaiba hotel (24-25 May), a 5G Technical Tour for foreign visitors on 26 May, and an exhibition at Tokyo Big Sight Inc. as part of Wireless Technology Park (WTP) 2017. The event was hosted by the Fifth Generation Mobile Communications Promotion Forum (5GMF), the leading organisation promoting 5G in Japan, and jointly organised with the other 4 regional organisations involved with the development of 5G.

The theme of the event was “Creating the Crossover Collaboration for 5G Eco-Society”. The participants from all corners of the globe discussed that status and progress on 5G through a series of focused sessions:

- Opening Session 1: Designing the policy for 5G promotion
- Opening Session 2: New Trends of Industrial interest towards 5G era
- Session 1: Global harmonization on 5G Spectrum collaboration
- Session 2: 5G Deployment plans towards 5G implementation
- Special Session: Security in 5G
- Session 3: Potential collaboration on 5G Trial Plans
- Session 4: Building collaborative relationship with Verticals
- Wrap up panel: 5G Roadmap for Global platform towards 2020 realization

Further details of the programme are available:

- on the 5G PPP website [8]
- on 5GMF website [9] (including speakers' presentations)



Figure 4: Session on “Building collaborative relationship with Verticals” with the participation of Dr. Colin Willcock (Chair 5G IA) and Bernard Barani (EC).

At the event, the 5G IA presented the first release of the pan-EU 5G trial roadmap.

During the event, an addendum to the Multilateral MoU was signed allowing “Telebrasil – Projeto 5G Brasil” to join the MoU as the sixth regional partner organisation. This was actively proposed, organised and supported by the 5G IA (with support from Euro-5G’s) and followed the signature of the bilateral MoU between the 5G IA and “Telebrasil – Projeto 5G Brasil” at MWC 2017 (see chapter 3).

Two press releases were distributed by 5G PPP, available on the 5G PPP website [10]

Highlights of the Event are also available in Euro-5G Deliverable D4.3 “*Final Liaison Report*”.

A detailed description of the support and contribution that Euro-5G provided for this event is available in Euro-5G Deliverable D2.7 “*Final report on 5G programme governance and operation, including event support*”.

2 Press & Media event on “5G Action Plan: from Research to Trials” at MWC 2017

The Press, Media & Analyst event “5G Action Plan: from Research to Trials” was organised by the 5G IA in close collaboration with EURO-5G on the 28th February at the Mobile World Congress 2017 in Barcelona (Spain).

The event was attended by around 160 participants, including operators, verticals, journalists, European and international innovators in the wireless sector, and market analysts, and it generated a broad echo in the international press.

Top managers from leading global technology companies, members of the 5G IA and representatives of the EC discussed the progress made on European 5G Research, the emergence of 5G standards, and prospects for investments in new 5G infrastructures across several cities and countries in Europe. Representatives of the vertical industries the 5G PPP Phase 2 is prioritizing as well as representatives from the public sector outlined their needs and expectations for 5G further development.

The programme of the Event was the following:

Opening Statement: Roberto Viola, Director General, DG CONNECT, European Commission,

Panel 1: 5G Research, Standardisation & Projects:

- Markus Borchert
Senior VP Europe, Nokia
- Jan Färjrh,
Vice President, Head of Standardization and Industry – Ericsson
- Ruy Pinto
Deputy Chief Technology Officer, SES
- Wen Tong
CTO, Wireless Network, Huawei Technologies
- Adrian Scrase
Chief Technology Officer, ETSI

Panel 2: Trials roadmap & verticals

- Ger Baron
Chief Technology Officer, City of Amsterdam
- Paola Pisano
Deputy Mayor, City of Turin
- Fathi El-Dwaik,
VP Information, Communication Electronics, BMW
- Alain Maloberti,
Senior VP, Orange Labs Networks, Orange
- Lucy Lombardi,
Vice President Innovation and Industry Management – Telecom Italia

The event was moderated by Jean-Pierre Bienaimé, Secretary General of the 5G IA.

5G IA presented the White Paper “5G innovations for new business opportunities” identifying recommendations as elaborated by the EU Telecom sector towards harmonized 5G standardization, spectrum, deployment and regulation.



Figure 5: Speakers and Moderator

A 5G trials roadmap strategy was discussed for the implementation of advanced pre-commercial and pan European trials to be launched in key sectors in 2018 and promoted through European public events, in view of ensuring Europe leadership in the context of the accelerated global agenda for the introduction of 5G.

The event was an important occasion to strengthen the dialogue and the cooperation between the ICT industry and the vertical sectors.

On this event webpage [11] created by Euro-5G, it is possible to find the following material:

- Press release on the Event[12]
- White Paper – “5G innovations for new business opportunities” [14] that was presented and distributed at the Event.

The media coverage was very good with many articles published in online and offline publications worldwide reporting on the event (e.g. Mobile World Daily, Article in The Standard Special Issue, Telecom TV).



Figure 6: Around 160 people attended the 5G IA's Press & Media Event at MWC 2017

A detailed description of the support that Euro-5G provided for organising and running the event is available in Euro-5G Deliverable *D2.7 “Final report on 5G programme governance and operation, including event support”*.

Detailed information on the promotional material that Euro-5G produced and distributed at MWC 2017 is available in Euro-5G Deliverable *D3.4 “Final report on communication and public relation activities”*.

3 Signature of a bilateral MoU with Brazil

Following several contacts initiated by the 5G PPP in 2016 with institutional and industry counterparts in Brazil, the 5G-IA and “Telebrasil – Projeto 5G Brasil” signed a MoU on 28th February 2017 to foster industrial collaboration.

The signing ceremony, organised by Euro-5G, took place just after the 5G-IA Press & Media Event at MWC 2017 (in the same venue).

Pearse O’Donohue, acting Director Future Networks at the European Commission/DG CONNECT, made an opening statement followed by short statements by Maximiliano Martinhao, Secretary for IT Policies at the Ministry of Science, Technology, Innovations and Communications (MCTIC, Brazil) and representatives of the Industry Associations.

The signing ceremony was followed by questions from the press.



Figure 7: Signature of the MoU between the 5G IA and “Telebrasil – Projeto 5G Brasil”

With the signature of the MoU, 5G IA and “Telebrasil – Projeto 5G Brasil” agreed to explore possible cooperation in the following areas:

- Vision of 5G communication systems and networks;
- Technology exploitation and dissemination to ensure awareness, understanding and involvement and finally adoption;
- Requirements on 5G communication systems and networks;
- Discussions on basic system concepts, architecture and use cases;
- Development of prototypes and proofs of concept as part of Innovation initiatives;
- Frequency bands and spectrum arrangement, identification and assignment in order to support the global regulatory process;
- Preparation of future global standards by identification of common interest, consensus building and collaboration projects to the joint development of such standards aligned to international initiatives and bodies;
- Promoting cooperation among European and Brazilian R&D organizations and industries as well as joint-financing of R&D projects;

- Use cases of 5G, including mMTC (massive Machine Type Communications), eMBB (enhanced Mobile Broadband) and URLLC (Ultra-Reliable and Low Latency Communications), aligned to applications such as Smart Cities, Mission Critical IoT, Broadband, Consumer-centric 5G, Industry 4.0 and other topics.

Euro-5G distributed a press release on the Signature of the MoU with “Telebrasil – Projeto 5G Brasil” [13].

4 Conclusions

Euro-5G effectively managed all aspects related to the preparation and practical organisation of the planned 5G PPP's high-level meetings and events. In particular, the successful organisation of the 2nd Global 5G Event in Rome (Italy) and of the Press, Media and Analyst Event at MWC 2017 were challenging and required a great amount of work that the project's partners managed in a collaborative and effective way.

The excellent coordination among the EURO-5G partners and the effective interactions with external organisations and suppliers, allowed the successfully achievement of the tasks required by this Deliverable. These events contributed to raise the 5G PPP and the 5G IA's profile and visibility at EU and international level, consolidating their reputation and leadership role on 5G development worldwide. Euro-5G's support has been essential to achieve these results.

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