

CREATE the Next Generation IoT eXperience for the Future

Advancing the digital transformation of European industry The role of standards in accelerating innovation – The case of IoT/IIoT

**Webinar
12 June 2020**

Objectives

The great disruption generated by the COVID-19 has immediate implications and generate new challenges regarding response effectiveness, resilience of healthcare systems as well as privacy for the individuals and citizens. But this disruption has also larger consequences across a broad range of sectors by potentially redesigning the business models, the supply chains, etc. These new challenges demand fast readjustments of the associated technical systems – with a key role for the IoT systems - and new innovations to cater for new requirements.

Standards and sharing of common practices are strong drivers of digital transformation of European industry. Standards are critical tools of innovation, and many innovations that have changed the world (e.g., modern manufacturing and interchangeable parts, agriculture, the Internet, global communication) only succeed because of standardization. The case of IoT/IIoT deployments in the IoT European Large-Scale Pilots Programme has shown the role of standards in accelerating innovation and the benefits of using standard processes, considering common goals, common platforms, shared values and standard Interfaces.

Standardization provides many benefits as part of a business strategy. By ensuring compatibility and consistency through standardization, companies can improve production efficiency. Standardization leads to cost reductions economy of scale and simplification and supports the creation of ecosystems in which technologies and business models become more prevalent, competitiveness increases, and ultimately the stakeholders involved benefit. In addition, the establishment of common rules to meet the environment and standards leads to improvements in safety and security.

This key role of standards in the required transformation of organizations requires even faster responses from the standardisation community which must be able to support and integrate new innovations, accelerate the pace of its response, and strongly promote collaboration between actors in reinforced and development programs are aligned and streamlined.

The objectives of the Webinar are twofold and will be addressed in two corresponding sessions:

- Session1: Identify the main challenges that are posed by the recent evolution to the global IoT ecosystem, and more specifically to the on-going work in standardisation and pre-standardisation;
- Session 2: Outline areas for re-enforced collaboration between the actors, namely standardisation organisations, EU research projects, industries, academics.

The Webinar will allow for interaction with the audience, with support for active Q&A sessions.

Agenda of the Webinar

The Webinar will take place on June 12th, 2020. It will be held in two sessions of 90 min., one in the morning, one in the afternoon.

The webinar is open, and registration is required.

[Eventbrite registration link Session 1.](#)

[Eventbrite registration link Session 2.](#)

Session 1 Challenges to the IoT ecosystem and to standardisation 10 :00 – 11 :30

The panellists will address the NEW challenges posed by the recent disruption, how they can be addressed as such or not by the recent projects and developments and, if not, outline which kind of new responses can be brought by the new generation of projects dealing with innovation in business sectors, introduction of new technologies, etc. The impact on the IoT standardisation landscape will be outlined when possible and serve as input to session 2.

10:00-10:05	Introduction: (background, objectives, work method), Emmanuel Darmois, CREATE-IoT
10:05-10:15	The view of the European Commission, Franck Boissière
10:15-11:20	Moderator: Franck Boissière, EC
10:15-10:55	Panellists presentations (7 minutes per panellist)
10:15-10:22	• New challenges for eHealth and Ageing Well (Sergio Guillen, ACTIVAGE)
10:23-10:30	• The impact on Agriculture and food supply (George Beers, IoF2020)
10:31-10:38	• ATLAS Reference Architecture for Data Exchange in Agriculture (Stefan Rilling, Germany)
10:39-10:46	• Disruption in the industry value chains (Sergio Gusmeroli, OpenDEI)
10:47-10:54	• Addressing the need for co-design supportive architectures (Emmanuel Darmois, CREATE-IoT)
10:55-11:20	Q&A Session (with sli.do support) - Dolores Ordóñez, CREATE-IoT
11:20-11:30	Morning wrap-up: EC and CREATE-IoT

Session 2 Identifying areas for collaboration 14 :00 – 15 :30

The panellists will briefly outline which priorities regarding the new challenges (identified in session 1 and in the questions from the audience) are addressed by their organisation and, in particular, how they will engage in collaboration with other organisation in order to reduce fragmentation and speed-up the roadmaps. A large part of the session will be dedicated to the reactions, questions and suggestions from the participants.

14:00-14:05	Introduction: (background, objectives, work method), Ovidiu Vermesan, CREATE-IoT
14:05-15:15	Moderator: Franck Boissière, EC
14:05-14:40	Panellists presentations (5 minutes per panellist):
	• AIOTI (Georgios Karagiannis)
	• CEN/CENELEC (Ashok Ganesh)
	• ETSI (David Boswarthick)
	• GS1 (Francesca Poggiali)
	• ISO/IEC JTC1 (Östen Franberg)
	• ITU-T (Sebastien Ziegler)
	• W3C (Dave Raggett)
14:40-15:15	Q&A and Poll Session (with sli.do support) - Dolores Ordóñez, CREATE-IoT
15:15-15:30	Final conclusions by the European Commission, Franck Boissière
15:30	Close of Webinar