



CEN - European Committee for Standardization  
CENELEC - European Committee for Electrotechnical Standardization  
ETSI - European Telecommunications Standards Institute

EC - European Commission  
EFTA - European Free Trade Association

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## Greeting from SESEI!!!

Dear Readers,

A very warm welcome to all our readers as we bring this ninth edition of our "Project SESEI Newsletter India". Through this newsletter, it is our endeavor to update you with the latest information around standards, policies, new initiatives and technologies from Europe on the project priority sectors (Smart Cities, Automotive, ICT including Services and Electrical Equipment including Consumer Electronics).

We would like to begin by thanking all of you in making the success of the [3rd Indo-European Conference on Standards and Emerging Technology held on 26th April 2018, New Delhi, India](#). This 3rd conference in the series was an ongoing attempt to further build on the platform for having an effective and continuous dialogue between India and Europe around new and emerging technologies and as well identify key areas of collaboration. The focus of the conference this year was on Automotive, Smart Energy and ICT. During the conference three comprehensive study reports were released on these subjects. You may download the copy of [study report](#), [conference presentations](#) and the [event report](#) from [here](http://www.cii-iq.in/Indo_European_Conference.php).

The news and information in this newsletter is an extension of our last edition. As you are aware the **EU General Data Protection Regulation (GDPR)** became applicable across EU's member states uniformly from 25<sup>th</sup> May 2018. The Regulation is designed to make sure that people's personal information is protected – no matter where it is sent, processed or stored – even outside the EU, as may often be the case on the internet. Accordingly, appropriate measures are being adopted by Indian companies dealing with the data from Europe. Apart from GDPR, Artificial Intelligence and Energy efficiency are key areas of focus for European Commission. ETSI hosted a conference on **Data Protection and Privacy in a Data-Driven Economy** to exchange views and concerns on the topics that impact both enterprises and citizens' lives.

The Commission has released its [Communication COM\(2018\) 237 'Artificial Intelligence for Europe'](#), setting out a European initiative on Artificial Intelligence (AI), which is part of its "Delivering on the Digital Single Market. The Commission also recognizes the role of standardization towards accomplishment of these goals. CEN, CENELEC and ETSI are contributing by way of creating new standards to answer the challenges AI brings, particularly in terms of safety and liability and ethical considerations.

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On the **adoption of the new energy efficiency savings target of 32.5% for 2030** by the European Commission, the CEN CENELEC Sector Forum Energy Management (SFEM) presented its position on achieving this objective at the policy conference for EU Sustainable Energy Week (EUSEW) 2018.

The European Commission also recognizes **standardization as a key tool for the dissemination and exploitation of research and innovation activities**. It presented the communication [COM(2018) 435] on the next Framework Programme on Research and Innovation 'Horizon Europe' (FP9). CEN and CENELEC welcome this ambitious proposal, which is crucial for the global competitiveness of EU industry.

As you may know, **ETSI has completed 30 successful years** in creating global standards for ICT. More than 150 participants from 33 countries participated at the 71<sup>st</sup> General Assembly of ETSI, where comprehensive report on the achievements in ETSI technical working groups and two partnership projects, 3GPP and oneM2M was presented by the DG ETSI.

**ETSI Open Source MANO (OSM)** has just reached the critical number of 100 participating organizations in the group. ETSI is pleased to announce the availability of [OSM Release FOUR](#) bringing a large set of new features and enhancements.

The **ETSI Experiential Networked Intelligence Industry Specification Group (ENI ISG)** has released five specifications on use case, requirements, Context Aware Policy Management, terminology and a Proof of Concept (PoC) Framework. NFV or network slicing, which are key technologies for 5G, the network becomes more flexible and powerful but remains complex. Similarly, the **ETSI Industry Specification Group for cross-cutting Context Information Management (ISG CIM)** has released its first specification [GS CIM 004](#) , which defines a simple way to send or request data and its context such as the meaning, related information, source or licensing of that data. **Smart cities will be the first ones to benefit from this specification. ETSI also achieved 92% success** for mission critical voice, video & data tests during a week-long event of intensive testing of more than 300 combinations of vendors and equipment, based on [3GPP Release 14](#).

CEN CENELEC has released two new standards specifying **safety requirements for switch mode power supply unit**, it also published two technical reports on the use of **electronic signature**. A new standard on use of **biomethane as a renewable energy** and to mitigate climate change was published by CEN. CEN-CENELEC during its General Assembly 2018 adopted the Innovation plan which will address the need to offer fast-track processes to transform research results, specifications into standards.

The subjects of Artificial Intelligence, data protection, energy efficiency and sustainable development are issues which are common to India as well. The new development, guidelines and approach towards these key topics in Europe will definitely help all of us in better understanding, benchmarking, adoption and knowledge sharing of best practices.

With this message, I invite you all to read this newsletter and earnestly share your comments and suggestions to make this newsletter even better and informative. Happy Reading!!!

Warm regards,  
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## European Commission (EC) outlines approach to Set Guidelines for Artificial Intelligence (AI)

The [European Commission has announced a set of measures to 'put artificial intelligence \(AI\) at the service of Europeans and boost Europe's competitiveness in this field'](#). EC proposed a three-pronged approach to increase public and private investment in AI, prepare for socio-economic changes, and ensure an appropriate ethical and legal framework. Europe has world-class researchers, laboratories and start-ups in the field of AI. The EU is also strong in robotics and has world-leading transport, healthcare and manufacturing sectors that should adopt AI to remain competitive. However, fierce international competition requires coordinated action for the EU to be at the forefront of AI development.

**Boosting financial support and encouraging uptake by public and private sectors:** The EU (public and private sectors) should increase investments in AI research and innovation by at least €20 billion between now and the end of 2020. To support these efforts, the Commission is increasing its investment to €1.5 billion for the period 2018-2020 under the [Horizon 2020](#) research and innovation programme. This investment is expected to trigger an additional €2.5 billion of funding from existing public-private partnerships, for example on [big data](#) and [robotics](#).

**Preparing for socio-economic changes brought about by AI:** With the dawn of artificial intelligence, many jobs will be created, but others will disappear and most will be transformed. This is why the Commission is encouraging Member States to modernise their education and training systems and support labour market transitions, building on the [European Pillar of Social Rights](#).

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## New initiative on Artificial Intelligence of the European Commission recognizes Standards as a competitive advantage for European industries

The European Commission (EC) released its [Communication COM\(2018\) 237 'Artificial Intelligence for Europe'](#) on 25 April 2018, setting out a European initiative on Artificial Intelligence (AI), which is part of its "Delivering on the Digital Single Market – 3rd Data package". This awaited initiative is essential for the future European economy and the leadership of our industry in a competitive global market. CEN and CENELEC welcome the recognition of standardization in contributing to answer the challenges this key technology brings, particularly in terms of safety and liability and ethical considerations.

**Expected AI standardization work at international level :** At international level, the Joint Technical Committee 1 between ISO and IEC (JTC 1) and its subcommittee (SC) 42 ([JTC 1/SC 42](#)) have taken on board standardization work on artificial intelligence under the lead of the American National Standards Institute ([ANSI](#)) and US secretariat.

JTC 1 SC 42 counts 18 Members, of which more than half are European and Members of CEN and CENELEC. This newly created Committee will provide guidance to other IEC, and ISO committees that are developing AI applications, looking at the full AI IT ecosystem. Work started on:

- Artificial Intelligence Concepts and Terminology
- Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)

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## ETSI OSM reaches its 100th member and gets ready for 5G

ETSI Open Source MANO (OSM) has just reached the critical number of 100 participating organizations in the group. A wide range of industry players are involved in the OSM community, including service providers, Virtual network functions (VNF) vendors, distributors, system integrators and infrastructure providers, creating a diverse ecosystem developing Network functions virtualization (NFV) technologies for the upcoming 5G networks.

During the latest meeting of the OSM community, hosted by Telenor, the upcoming OSM Release (FIVE) started to take shape. 5G use cases, network slicing and micro-service orchestration were some of the key areas of discussion, as these topics are steering the development efforts for the upcoming release. A co-located Hackfest enabled participants to get hands-on experience with the newest OSM features, APIs and User Interface.

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## European standardization & the EU Single Market

European Standards respond to the needs of the industry while meeting consumer expectations and contribute to the consolidation of the European Single Market by placing widely accepted products and services on the market.

**European standardization, a recognized system to support the European Single Market:** In the European Standardization System (ESS), standards development is the result of a long-standing and successful cooperation among all interested actors including industry, SMEs, consumer organizations and societal stakeholders, as well as policy makers. As such, the ESS is a unique system, where standards are established through the consensus of all stakeholders and published by the recognized European Standardization Organizations (CEN, CENELEC and ETSI).

**The Cooperation between the European Standardization Organizations and the EU – a strong public partnership for the Single Market:** The European Standardization Organizations (ESOs), the European Commission (EC), and the European Free Trade Association (EFTA) have been working together since 1973. This partnership still provides nowadays one of the key elements necessary to complete the Single Market, and by extension the Digital Single Market. European Standards have supported the introduction of new products, helped innovation and boosted competitiveness.

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## European Innovation Scoreboard 2018: Europe must deepen its innovation edge

The Commission's 2018 European Innovation Scoreboard published today shows that the EU's innovation performance continues to improve, but further efforts are needed to ensure Europe's global competitiveness. Every year, the Commission publishes a comparative assessment of the innovation performance of Member States and benchmarks it with international competitors. The data helps Member States, and the EU as a whole, assess in which areas efforts need to be focused.

This year's edition of the [European Innovation Scoreboard](#) reveals a positive trend in the majority of EU countries – most notably in Malta, the Netherlands, and Spain, with Sweden remaining the EU innovation leader. The EU is catching up with key competitors such as Canada, Japan and the United States. But closing this innovation gap and maintaining the lead over China will require a concerted effort to deepen Europe's innovation potential.

#### **The 2018 European Innovation Scoreboard: key findings**

**Sweden** is once again the EU **innovation leader**, followed by Denmark, Finland, the Netherlands, the United Kingdom, and Luxembourg which joins the top innovators group this year. Germany drops to the group of strong innovators.

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### **92 % success rate for mission critical voice, video & data tests @ 2nd ETSI MCPTT Plugtests**

The capabilities of Mission Critical Push to Talk (MCPTT), Mission Critical Data (MCDATA) and Mission Critical Video (MCVIDEO) were put to the test during a week-long event of intensive testing of more than 300 combinations of vendors and equipment, based on [3GPP Release 14](#). The second ETSI MCPTT Plugtests attracted a total of 31 vendors, with 120 participants on site, plus support from remote labs. Observers from nine organizations based in France, the UK and the USA witnessed the execution of more than 2000 tests, based on a test plan with more than 100 test cases, with a 92 per cent success rate. A full report and the test specification will be made publicly available on the ETSI website.

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### **CEN publishes two Technical Reports on Electronic Signature**

**CEN/TC 224** on “Personal identification and related personal devices with secure element, systems, operations and privacy in a multi sectorial environment” will soon release two [Technical Reports](#) in the field of Electronic Signature:

**CEN/TR 419040:2018: Rationalized structure for electronic signature standardization - Guidelines for citizens:** This Technical Report aims to help citizens to understand the relevance of using electronic signature within their day-to-day lives. It also explains the legal and the technical backgrounds of electronic signatures. This document gives guidance on the use of electronic signatures.

**CEN/TR 419030:2018: Rationalized structure for electronic signature standardization - Best practices for SMEs :** This Technical Report aims to be the entry point in relation to electronic signatures for any SME (small-to-medium enterprise) that is considering to dematerialize paper-based workflow(s) and seeks a sound legal and technical basis in order to integrate electronic signatures or electronic seals in this process.

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## ETSI 71st General Assembly celebrates 30 years of success stories

The 71st ETSI General Assembly came to a close after two days of intensive work, networking and a tribute to our 30 years anniversary. Over 150 participants from 33 countries joined the meeting to learn, exchange and report, and celebrate the anniversary during the evening. The General Assembly received reports on the ETSI Long Term Strategy and approved the financial statements and annual report of 2017. Mr. Luis Jorge Romero, ETSI's Director General, provided a comprehensive report on the recent achievements in ETSI technical groups and in our two partnership projects, 3GPP and oneM2M.

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## The role of standardization in Horizon Europe (FP9) - the European Commission's newly proposed Framework Programme for Research and Innovation

The European Commission presented the communication [[COM\(2018\) 435](#)] on the next Framework Programme on Research and Innovation '[Horizon Europe](#)' (FP9). CEN and CENELEC welcome this ambitious proposal, which is crucial for the global competitiveness of EU industry and recognizes standardization as a key tool for the dissemination and exploitation of research and innovation activities.

Horizon Europe comes in the context of the proposed [Multi-Annual Financial Framework \(MFF\)](#), i.e. the EU budget for the next 7 years that will have to deliver on EU post-2020 priorities. The proposed Horizon Europe programme is designed to spread excellence in Europe, build a society based on knowledge and innovation, foster EU industry's competitiveness and to enhance the delivery of EU's strategic policy priorities through an increased collaboration across sectors. It will enter into force on 1 January 2021 for a period of 7 years, replacing the current [Horizon 2020 programme \(2014-2020\)](#) [[COM\(2011\) 808](#)].

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## New CEN Standards - Biomethane standards to mitigate climate change

Climate change is a globally witnessed phenomenon, and while for some this means a warmer winter, for others it can mean devastating storms and drought. Mitigating climate change has become an essential policy element in the EU for the safety and sustainability of Europe's people and environment – a key strategy for which has been the adoption of renewable energies.

**CEN/TC 408 - Natural gas and biomethane for use in transport and biomethane for injection in the natural gas grid**, was established in 2011 to answer the European Commission mandate ([M/475](#)) to develop standards for the use of biomethane as a renewable energy and mitigate climate change and published:

- [EN 16723-1:2016](#) for the injection of biomethane in the natural gas grid;
- [EN 16723-2:2017](#) on natural gas and biomethane for use in transport.

These [European standards](#) support the use of more renewable energy sources in our everyday consumption. The most recent deliverable [CEN/TR 17238:2018: Proposed limit values for contaminants in biomethane based on health assessment criteria](#), was approved by CEN on 9 April 2018. This [Technical Report](#) explains an approach for the assessment of limit values for contaminants that may be found in biomethane to mitigate the potential impact on human health.

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## Energy efficiency first: Commission welcomes agreement on energy efficiency

A political agreement on new rules for improving energy efficiency in Europe was reached between negotiators from the Commission, the European Parliament, and the Council. The Commission's proposal forms part of the implementation of the Juncker Commission priorities – in particular "[a resilient Energy Union and a forward-looking climate change policy](#)". This agreement is the third of eight legislative proposals in the [Clean Energy for All Europeans](#) package (presented by the European Commission on 30 November 2016) now agreed by co-legislators. On 14 June a political agreement was reached on the [revised Renewable Energy Directive](#), and on 14 May, the [Energy Performance in Buildings Directive](#) was adopted. Thus, progress towards making the Energy Union a reality is well under way and the work initiated by the Juncker Commission is being delivered.

The new regulatory framework includes an energy efficiency target for the EU for 2030 of 32.5% with an upwards revision clause by 2023. This new objective shows the EU's high level of ambition and demonstrates the remarkable pace of change of new technologies and reduced costs through economies of scale. Together with the recently agreed 32% renewable energy target for the EU for 2030 (see [STATEMENT/18/4155](#)), Europe will be equipped to complete the clean energy transition and meet the goals set by the Paris Agreement.

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## Energy efficiency in industry & SME's leading to implementation of measures EUSEW 2018

The European industry plays a crucial role in meeting the 2030 climate and energy policy objectives. It will not only support the implementation of these policies and meet the set targets but will also drive the technology progress in low-carbon, clean and energy efficient product development worldwide.

The CEN CENELEC Sector Forum Energy Management (SFEM) welcomes the adoption of the new energy efficiency savings target of 32.5% for 2030 and the related supporting actions for innovation, market surveillance and sustainable – smart finance. The position of SFEM on the role of standards in supporting the achievement of this objective was presented at the policy conference for EU Sustainable Energy Week (EUSEW) 2018, where SFEM coordinated a roundtable discussion with the participation of ECOS, ECI, Ecofys, CO2-Net and EASME. For more information please visit dedicated [pages](#) on the CEN CENELEC website.

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The **CEN-CENELEC Sector Forum on Energy Management (SFEM)** acts as an advisory and coordination body for policy and strategic matters in relation to the standardization of energy management and efficiency. The Sector Forum adapts its activity to the latest scientific and political trends. It gathers all stakeholders from innovation to business, from policy makers to consumers with the aim to pave the way from innovation to market and to anticipate needs for further standardization developments. Currently the forum puts big emphasis on identifying the standardization needs for the energy transition and the financing tools for energy efficiency.

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## ETSI ISG CIM group releases first specification for context exchange in smart cities

The ETSI Industry Specification Group for cross-cutting Context Information Management (ISG CIM) has just released its first specification [GS CIM 004](#). This specification defines a simple way to send or request data and its context such as the meaning, related information, source or licensing of that data. Smart cities will be the first ones to benefit from this specification. Group Specification CIM 004 defines a standard Application Programming Interface (API) for Context Information Management enabling close to real-time access to information coming from many different sources. Indeed [ETSI Group Specification CIM 004](#) addresses the strong synergies between seven spheres of information currently interacting in a smart city, as shown by these examples:

- open data: air quality, street maps
- proprietary data: car parking availability, advertising of events
- Internet of Things: building sensors, water management sensors
- mobile application inputs: citizen complaints, photos of accident sites
- source of the information: licensing of valuable data, labelling of privacy-protected data, information on measurement quality or period of validity
- usage information: for optimizing, for debugging, for relationships analysis
- artificial intelligence or machine analysis of that data to create performance measures (KPIs), new recommendations and conclusions on which city managers can act

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## General Data Protection Regulation enters into application

The new EU-wide data protection rules are becoming applicable after a two-year transition period. The reform is an essential step to strengthening citizens' fundamental rights in the digital age and facilitating business by simplifying rules for companies in the Digital Single Market. On 6 April 2016, the EU agreed to a major reform of its data protection framework, by adopting the [General Data Protection Regulation](#) replacing the twenty years old [Directive](#). The Regulation updates and modernises the principles enshrined in the 1995 Data Protection Directive to guarantee privacy rights. It focuses on reinforcing individuals' rights; strengthening the EU internal market; ensuring stronger enforcement of the rules; streamlining international transfers of personal data and setting global data protection standards. The changes will give people more control over their personal data and make it easier to access it.



They are designed to make sure that people's personal information is protected – no matter where it is sent, processed or stored – even outside the EU, as may often be the case on the internet.

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## NEW CENELEC STANDARD – Power electronics – EN IEC 61204-7:2018 - Low-voltage switch mode power supplies - Part 7: Safety requirements

This [standard](#), published in March 2018, specifies the safety requirements for switch mode power supply unit supplied by source voltages up to 1000 V AC or 1500 V DC providing AC and/or DC outputs. It describes the requirements to reduce risks of fire, electric shock, thermal, energy and mechanical hazards, except functional safety as this has been defined in EN IEC 61508 (all parts). The objective of this standard are to establish a common terminology and basis for the safety requirements of products that contain power electronic converters across several IEC technical committees.

EN IEC 61204-7: 2018 now uses as reference document EN IEC 62477-1:2012 'Safety requirements for power electronic converter systems and equipment - Part 1: General'. This standard will be cited in the OJEU, to provide presumption of conformity against the requirements of the Low Voltage directive. [EN IEC 61204-7:2018: Low-voltage switch mode power supplies - Part 7: Safety requirements](#) was developed by [CENELEC/TC 22X](#).

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## ETSI Experiential Networked Intelligence group releases 5 specifications

The ETSI Experiential Networked Intelligence Industry Specification Group (ENI ISG) has released five specifications on use case, requirements, Context Aware Policy Management, terminology and a Proof of Concept (PoC) Framework. With NFV or network slicing, which are key technologies for 5G, the network becomes more flexible and powerful but remains complex. In adding closed-loop Artificial Intelligence mechanisms and with these first reports and specifications, the ETSI Experiential Networked Intelligence group aims to help operators facilitate their network deployment.

- The first technical report, [ETSI GR ENI 001](#), specifies a set of use cases to be applied to the fixed network, the mobile network, or both, and defines the expected benefits operators can gain from using an ENI system.
- The second specification [ETSI GS ENI 002](#) captures the requirements of how intelligence is applied to the network in different scenarios to improve operators' experience of service provision and network operation.
- [ETSI GR ENI 003](#) analyses the work done in various Standards Developing Organizations and open source consortia on policy management in general, and context-aware policy management specifically.
- [ETSI GR ENI 004](#) addresses terminology for the main concepts in ENI.

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## CEN and CENELEC Innovation plan

On **21 June at the CEN-CENELEC Annual Meeting 2018** the General Assemblies adopted the **Innovation Plan**. The plan was established in order to address the recognition of researchers and their contributions to standardization, the need to offer fast-track processes to transform research results, specifications into standards, and obtain the support and recognition of (national and European) institutions. Researchers desire their work to have an impact and that standards are a way for them to achieve this. To do this effectively, standardization processes need to be open, receptive and accessible.

Download the [introductory presentation](#) made by Mr Vincent LAFLÈCHE, CEN President and CEO and Dean of MINES ParisTech – ‘Ecole nationale supérieure des mines de Paris’ for engineering, science and research. This presentation includes also the **main findings and outcome** of the panel discussions presented by Mrs Elena Santiago Cid, Director General of CEN and CENELEC.

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## ETSI Open Source MANO announces Release FOUR, moving faster than ever

The first open source group to incorporate ETSI NFV APIs. ETSI is pleased to announce the availability of [OSM Release FOUR](#). Bringing a large set of new features and enhancements, this version is the most ambitious and innovative OSM Release to date and constitutes a huge leap forward in terms of functionality, user experience and maturity. This new Release brings substantial progress thanks to a number of architectural improvements, which result in a more efficient behavior and much leaner footprint - up to 75% less RAM consumption. Additionally, its new northbound interface, aligned with ETSI NFV work, and the brand-new cloud-native setup, facilitate OSM's installation and operation, while making OSM more open and simpler to integrate with pluggable modules and external systems, such as the existing OSS.

**Two new white papers are now available:**

- [OSM Release FOUR technical overview](#)
- [Experience with NFV architecture, interfaces, and information models](#), written by the OSM End User Advisory Group.

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## The future of transport driven by standards

Emissions from transport in Europe account for a quarter of all emissions and much of the air pollution. Yet signs are emerging of an approaching inflexion point towards a sustainable energy transition. In the past years, environmental NGOs, government and industry have presented a series of strong signals that the end of the internal combustion engine is approaching. For example France will ban the sale of all petrol and diesel vehicles by 2040, and vehicle manufacturers have unveiled production line after production line that centres on one technology: electromobility.

**Energy transition through standards: support from ECOS:** Standards offer the technical foundation for this transition. They act as powerful tools within the Single Market to help strengthen interoperability for millions of devices, reduce the risk of stranded assets, avoid market fragmentation and guarantee minimum functionality. [The European Environmental Citizen's Organisation for Standardisation \(ECOS\)](#), has been deeply involved in the work of CEN and CENELEC and ISO and IEC on the development of standards in this area.

**Standards for mobility:** The standardisation of electric vehicles has historically focused on plugs, outlets and electrical safety. Moreover, CEN-CENELEC and ETSI established a Coordination Group on eMobility, which coordinates and discusses European standardisation activities related to electro-mobility – notably eBuses, L-Category vehicles and electricity fuel labelling. Relevant work is also ongoing in [CEN/TC 301](#) “Road vehicles” and [CENELEC/TC 69X](#) “Electrical systems for electric road vehicles”.

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## ETSI Summit round up on Data Protection and Privacy

ETSI summit “Releasing the Flow - Data Protection and Privacy in a Data-Driven Economy” organized on 19<sup>th</sup> April 2018 was the place to exchange views and concerns on data protection and privacy, topics that impact both enterprises and citizens' lives. Data is of essence today. In 2014, the world created 44 billion Gigabytes of data every day on the internet.

The summit evolved around numerous speaking sessions. It dealt with the overall architecture of the legislative machinery, and on how market players in the ecosystem view it, how they use, protect and value data. Other sessions covered how EU trade partners apprehend the European context and, what role standards can play in the equation, which standards should be developed and how to ensure to do the right thing at the right moment. [Summit Presentations are available here](#)

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## Joint CEN/TC 312 Thermal solar systems & components' Solar Heat Europe /ESTIF workshop on Next generation of 'Solar Thermal' standards

On the occasion of the EU Sustainable Energy Week, [CEN/TC 312](#) 'Thermal solar systems and components' and [Solar Heat Europe/ESTIF](#), the European Solar Thermal Industry Federation, jointly organize a workshop dedicated to the topic “Next generation of CEN/TC 312 ‘Solar Thermal’ Standards”. The workshop aims at responding to an identified need within the solar thermal sector: defining a strategy for standardization and certification in the solar heating and cooling sector which is in line with the current reality and future challenges that the solar thermal sector in particular, and the renewable heating and cooling sector in general, will face all over the coming years.

Standardization and certification activities are a smart investment for solar thermal companies and represent an important competitiveness factor in several markets, be it in Europe or beyond. Furthermore, they are increasingly relevant vis-à-vis existing Commission Regulations, such as [energy labelling](#), [energy performance of buildings](#) and the [Solar Keymark](#). As such,

these standards are not only relevant regarding the competition within the solar thermal sector, but also within the framework of the competition between different heating and cooling technologies.

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## White Papers/Publications

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### **[CEN-CENELEC published its 2017 annual report](#)**

European Standardization has been an effective contributor to achieving some of Europe's economic and societal objectives, at a time when our economy is slowly recovering from the crisis. CEN and CENELEC have contributed directly to many of the priorities under Europe 2020 strategy, amongst other related to jobs & growth, the Digital Single Market, the Internal Market, and the Energy Union and Climate. [Read More/Download...](#)

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### **[EFTA's Annual Report for 2017 published](#)**

The 57th Annual Report of the European Free Trade Association has been published. The report contains an overview of the functions and activities of EFTA throughout 2017 in the areas of managing the EEA Agreement, EFTA's worldwide network of Free Trade Agreements (FTAs) and the EFTA Convention. Continued negotiations with Ecuador, India, Indonesia, Malaysia and Vietnam were among the highlights of EFTA's work in relation to EFTA's global free trade network. The [2017 Annual Report](#) describes these developments in more detail. [Read more/Download...](#)

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### **[ETSI released whitepaper on 4th Industrial Revolution and the Municipal CEO - ETSI City Digital Profile](#)**

Our cities, predicted to be home to two-thirds of the global population by 2050, are hotbeds for technological and societal transformation. However, they face a perfect storm of urban challenges. Demographic changes are putting pressure on available urban space and housing supply, overloading public services which are already tuned for economic austerity. [Read more/Download...](#)

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### **[ETSI Multi-access Edge Computing \(MEC\) group published white paper on role for 5G](#)**

The ETSI Multi-access Edge Computing group (MEC ISG) has just published a [white paper](#) outlining the role of MEC in 5G. MEC is a key enabling technology which enables the hosting of applications in the 5G access networks – a must have to support many applications and use cases. The [white paper](#) covers MEC for third-party cloud service providers, MEC for Serverless Computing and Cloud Integration for Massive IoT Devices, MEC for Enterprise Users and MEC for "Industrial IoT". The emphasis of the white paper is on the opportunities for MEC to benefit from the edge computing enablers of the 5G system specification, and for 3GPP ecosystem to benefit from the MEC system and its APIs as a set of complementary capabilities to enable applications and services environments in the very edge of mobile networks. [Read more/Download...](#)

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## Events Calendar 2018

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### **1st ETSI MEC Hackathon**

**When: 18-19 September 2018**

**Where: Berlin, Germany**

ETSI together with its partners is organizing the 1st ETSI MEC Hackathon in Berlin during the Edge Computing Congress organized by Knect365 from 18 to 20 September 2018. [Read more](#)

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### **Boosting ICT Business and Innovation: A Comprehensive Approach to Standardization Education in Europe**

**When: 4-5 October 2018**

**Where: Sophia Antipolis, France**

ETSI is pleased to announce its forthcoming conference “Boosting ICT Business and Innovation: A Comprehensive Approach to Standardization Education”, which takes place on 4-5 October 2018 at ETSI, Sophia Antipolis, France. [Read more](#)

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### **World Standards Day 2018**

**When: 12 October 2018**

**Where: Brussels, Belgium**

In the frame of World Standards Day (#WSD2018) and the 25th anniversary of the EU Single Market, the European Standardization Organizations (ESOs), the European Commission and the European Free Trade Association (EFTA) invite you to join a conference around this year's World Standards Day topic the '4th Industrial Revolution': Standards meet the Future. [Read more](#)

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### **UCAAT 2018 - ETSI User Conference on Advanced Automated Testing**

**When: 16-18 October 2018**

**Where: Paris, France**

UCAAT is ETSI's annual conference dedicated to all aspects of automated testing and is not limited in scope. UCAAT 2018 will take place on 16-18 October 2018 in Paris, France. [Read more](#)

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### **ETSI IoT Week 2018**

**When: 22-26 October 2018**

**Where: ETSI, Sophia Antipolis, France**

The ETSI IoT Week, the evolution of our highly successful M2M/IoT Workshop series, has become the must-attend event for anyone involved in IoT and who appreciates the value of standards-enabled technologies and deployments. The event should be firmly placed in your calendar, whether you are involved with ICT standards, technical planning and development, research and innovation or are simply an IoT user. [Read more](#)

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### **Joint ETSI - OSA Workshop: Open Implementations and Standardization**

**When: 11-13 December 2018**

**Where: Sophia Antipolis, France**

ETSI and the OpenAirInterface Software Alliance (OSA) in association with EURECOM are pleased to announce a Joint ETSI - OSA Event on Open Implementations and Standardization. Preceded by a one day training on 11 December, the Joint ETSI - OSA Workshop: Open Implementations and Standardization will take place on 12-13 December 2018 at ETSI premises in Sophia Antipolis, France. [Read more](#)

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### **Stakeholder Workshop - Trustworthy Artificial Intelligence – building a framework with standardization**

**When: Tuesday 18 September 2018**

**Where: Hotel Bloom, rue Royale 250, 1210 Brussels**

The workshop will identify areas and ways in which standards can help implement trustworthiness in AI systems through requirement frameworks, qualification criteria, benchmarks and baselines. The different parameters to make an AI system trustworthy will be defined and participants will set the base for a roadmap on standardization for AI. [Read more](#)

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#### **10-10 webinar: The Joint Initiative on Standardization two years later: Achievements and current discussions**

**When: 10 October 2018, 10:00 CEST**

In October 2018, the Joint Initiative on Standardization (JIS) will complete its second year of life. The action leaders along with the sponsors are still at work to implement the 15 concrete Actions aiming to modernize the European standardization system. Some of these Actions have well progressed and their impact will have effects even before the end of 2019, expected closing date of the JIS. [Read more](#)

[Register through the 10-10 webinars' 2018 calendar](#)

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#### **10-10 webinar: Foreign participation in European standardization work**

**When: 9 November 2018, 10:00 CET**

Having access to European standardization work gives an advantage to partners outside Europe and head-start insight of the European market. This seminar will tell you what tools are used by CEN and CENELEC to facilitate this process as well as give you an overview of which foreign partners are participating in what European standardization work. [Read more](#)

[Register through the 10-10 webinars' 2018 calendar](#)

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#### **Industry Stakeholder Workshop - Autonomous Mobility - Land, Sea & Air**

**When: Wednesday 21 November 2018**

**Where: Hotel Bloom, rue Royale 250, 1210 Brussels**

Autonomous mobility implies new challenges to safety, trust and liability. Connected vehicles such as cars, trains, ships and drones require new ways of interacting with each other as well as with the infrastructure (road, harbours, satellites). This reality presents opportunities where standardization can play an important role in areas such as data, safety and infrastructure. [Read more](#)

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#### **10-10 webinar: Digital transformation (including update on progress of the projects)**

**When: 10 December 2018, 10:00 CET**

This webinar will walk you through the CEN-CENELEC Digital Transformation strategy and update you on the pilot projects started in 2018. It includes 'Online Standardization', 'Standards of the future', 'Strategic Alliances' and 'Open Source innovation'. [Read more](#)

[Register through the 10-10 webinars' 2018 calendar](#)

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### About Project SESEI 3

*The SESEI project (Seconded European Standardization Expert in India) is a project co-funded by five European partners, operating from New Delhi, India, with the objective to increase the visibility of European standardization in India and to promote EU/EFTA-India cooperation on standards and related activities. The SESEI Project (<http://sesei.eu/>) is managed by the European Telecommunications Standards Institute (ETSI - <http://www.etsi.org/> - EU recognized Standards Organization for Telecommunication sectors) and is further supported by two other EU recognized Standards Organization, namely the European Committee for Standardization (CEN) and the European Committee for Electrotechnical Standardization (CENELEC) – <http://www.cenelec.eu>- which develop and adopt European standards in a wide range of products, services and processes, as well as by the European Commission ([www.ec.europa.eu](http://www.ec.europa.eu)) and the European Free Trade Association (<http://www.efta.int/>). It is a Standardization focused project, with a priority emphasis on the sectors of ICT, Automotive, Electronic Appliances including Consumer Electronics and Smart Cities etc.*

## SESEI

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CEN - European Committee for Standardization [www.cen.eu](http://www.cen.eu)

CENELEC - European Committee for Electrotechnical Standardization  
[www.cenelec.eu](http://www.cenelec.eu)

ETSI - European Telecommunications Standards Institute [www.etsi.eu](http://www.etsi.eu)

EC - European Commission [www.ec.europa.eu](http://www.ec.europa.eu)

EFTA - European Free Trade Association [www.efta.int](http://www.efta.int)