



Latvian Presidency  
of the Council of the  
European Union

EU2015.LV



MINISTRY OF ECONOMICS  
REPUBLIC OF LATVIA



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# 4th European Standardization Summit

## “How standardization can support the transition to a cleaner and smarter economy”

4 June 2015

The National Library of Latvia, Mūkusalas street 3, Riga

### INTRO

The 4th European Standardization Summit will take place on 4 June 2015 in the National Library of Latvia in Riga and is a part of the official programme of the Latvian Presidency of the Council of the European Union. How standardization can contribute to a cleaner and smarter economy in Europe is the theme for 2015. The Summit will focus primarily on the construction sector, which represents a major part of the European single market and is especially important for the Latvian economy.

While the economic recovery of Europe is still underway, the issue of competitiveness remains at the core of the EU policies. Calling for a smarter and cleaner economy, the EU strives to promote growth, create jobs, foster competitiveness and secure Europe's position in the global market.

The construction sector accounts for more than 10% of Europe's economic output. It mostly consists of SMEs (small and medium-sized enterprises) and provides almost 30% of industrial employment. Construction also has a key role to play in ensuring that every citizen can have a good quality of life. This puts the spotlight on the construction sector as having a vital importance for the European economy and society.

The goal of a “smarter and cleaner” economy in the construction sector translates into improving the energy performance of buildings, integrating sustainability into architecture, developing smart cities, linking science and standardization and advancing the design and management of buildings. The Summit's parallel sessions will build around these critical topics and the plenary session will consider the current state of play in the construction sector, present ongoing and future standardization developments, and outline priorities for action.

### PROGRAMME

12:00 – 14:00          Lunch, registration

### **OPENING OF THE SUMMIT**

**Facilitator: Mrs Karin Helmstaedt**, Journalist, Presenter and Moderator

14:05 – 14:15          Opening statement by **Dana Reizniece-Ozola**, Minister of Economic Affairs, Latvia

14:15 – 14:25          Opening remark by MEP **Vicky Ford**, Chair of Committee on the Internal Market and Consumer Protection, European Parliament

14:25 – 14:35          Opening remark by **Tore Trondvold**, Chair of the Joint Presidents' Group of CEN, CENELEC and ETSI



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## **INTRODUCTORY SESSION**

- 14:40 – 14:55      **European Standardization: make Europe a better place to live and work together for change**  
*Kerstin Jorna*, Director Industrial Property, Innovation and Standards, DG GROW, European Commission
- 14:55 – 15:10      **Standards for a smarter and cleaner Europe**  
*Guðrún Rögnvaldardóttir*, Vice-President Technical CEN
- 15:10 – 15:20      **Going smart and clean - A business opportunity**  
*Viorel Peca*, Head of the Innovation Unit, Digital Economy and Coordination, DG CONNECT, European Commission
- 15:20 – 15:30      **Science supporting construction**  
*Stephan Lechner*, Director, Institute for the Protection and Security of the Citizen, Joint Research Centre
- 15:30 – 16:00      **Coffee break**

## **BREAKOUT SESSIONS**

(16:00-17:30)

- Session 1 – Energy performance of buildings
- Session 2 – Sustainable buildings
- Session 3 – Building Smart Cities
- Session 4 – Building design and management

### **Session 1 – Energy performance of buildings**

**INTRO:** Making better and more rational use of energy is essential for the sustainable development of our society. Energy efficiency becomes a key component of economic transformation in “post-crisis” Europe.

The EU2020 strategy sets the course for Europe by focusing on three main priorities: smart, sustainable and inclusive growth. Meanwhile, the Resource efficiency roadmap (COM (2011)571) points out that existing policies on buildings, mainly linked to energy efficiency, need to be complemented with policies for resource efficiency.

The EU aims for 20% cut in Europe's annual primary energy consumption by 2020 and 27% by 2030. Buildings are one of the areas where the energy savings potential is one of the greatest. Introducing smart meters and better product labelling can help citizens to manage their energy use better.

Standardization can contribute to this objective by promoting best practices and providing organizations with the tools to take decisions and design sound policies, optimize installations and systems and improve energy efficiency. It can reduce costs to businesses by removing barriers and foster investments by sustaining market demand for efficient energy projects.

Standardization can also contribute to better energy management by supporting the spread of best practices and providing energy users with the necessary tools to analyse and adapt their energy consumption patterns.



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New standards have been developed in relation to energy management systems, energy service companies or energy audits of buildings, and processes, and a new standard in relation to the qualification of energy auditors is under way.

**Chairman: Wim De Kesel**, Vice-President Policy CENELEC

- 16:05 – 16:20 Intro by **Laurent Deleersnyder**, Energy Efficiency, DG Energy, European Commission, Dir C — Renewables, Research and Innovation, Energy Efficiency
- 16:20 – 16:35 **All new buildings are to be nearly zero-energy by 2020**  
**Jaap Hogeling**, Building Services Research Institute, the Netherlands; Chair CEN TC 371 Program Committee on Energy Performance of Buildings (EPB), Chair of JWG of ISO TC 163&205 Advisory Group on Coordination of ISO and CEN Work on EPB
- 16:35 – 16:50 **From home and building electronic systems (HBES) to Smart House**  
**Joost Demarest**, Convenor of CENELEC/TC 205 'Home and Building Electronic Systems' - WG16 'Standards for intelligent home and building/smart houses'
- 16:50 – 17:05 **Developing accurate and realistic harmonized methodologies towards Zero-Energy Buildings**  
**Christoforos Spiliotopoulos**, Policy Officer Standardisation - Ecodesign and Energy Performance of Buildings, European Environmental Citizens' Organisation for Standardisation (ECOS)
- 17:05 – 17:30 **Discussion**

Recommended for:

National and local authorities, policy makers, regulators, building designers, architects, engineers, software developers, manufacturers, investors, owners, consumers

## Session 2 – Sustainable buildings

**INTRO:** Sustainability is the key factor in the current design of buildings and construction works. The construction and use of buildings in the EU account for about half of all our extracted materials and energy consumption and about a third of our water consumption.

There is an urgent need to improve the overall resource efficiency in order to reduce the impact. There are resource efficiency opportunities in the building sector, which also improve the competitiveness in the sector. The EC communication (COM(2014)445 final) emphasizes the need for better project planning which ensures a greater use of resource and energy efficiency as well as promoting better design and considering scenarios for deconstruction.

**Chairman: Javier Garcia Diàz**, Board Member of CEN, Standards Director AENOR, Spanish Association for Standardization and Certification

- 16:05 – 16:15 **Dangerous substances and sustainable use of natural resources under the legal framework of Regulation (EU) 305/2011**  
**Tapani Mikkeli**, Head of Sector - Co-ordination of the construction sector and



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legislation - Unit DG GROW - Unit G-1 Sustainable Industrial Policy and Construction,  
European Commission

- 16:15 – 16:25      **Challenges of compliance with each country specific Sustainability assessment systems and standards in construction**  
*Uģis Grīnbergs*, Board Member of JSC UPB, one of the leading industrial enterprises groups in Latvia (engineering, manufacturing, logistics, assembly and after-sales services)
- 16:25 – 16:35      **Sustainable assessment of buildings – The life cycle approach**  
*Ari Ilomäki*, Chairman of CEN/TC 350 ‘Sustainability of construction works’ - Sustainability assessment of building and construction works: implementing Environmental Product Declarations in product standards
- 16:35 – 16:45      **Environmental Product Declarations – Developing product life cycles scenarios for construction products**  
*John Park*, WG 1 convenor of CEN/TC 175 ‘Round and sawn timber’ Product category rules for wood and wood-based products for use in construction (EN 16485): Implementation of EN 15804 in CEN/TC 175
- 16:45 – 16:55      **Environmental Product Declarations – effective tool to demonstrate sustainability and ecological benefits of wood based panels industry**  
*Dina Melgalve*, Standardisation and Certification Expert of JSC Latvijas Finieris, Member of CEN TC 112 Wood based panels WG 2 Plywood and WG13 Mandate
- 16:55 – 17:30      **Discussion**

Recommended for:

*National and local authorities, regulators, policy makers, building designers, architects, manufacturers, LCA developers, engineers, software developers, investors*

**Session 3 – Building Smart cities**

**INTRO:** Standards play the key role in the development and construction of smart cities, by working with cities and their partners to find common solutions and supporting a world where everyone and everything work together.

Today the city is facing a number of important urban challenges like air pollution, carbon emissions, energy usage, increasing congestion, security, social care, ageing population, etc.

Information capture across the city, combined with data analysis at city level, allows resources to be monitored and controlled in real time. This includes applied innovation, better planning, higher energy efficiency, better transport solutions and intelligent use of Information and Communication Technologies.

Success of smart cities depends on creating a common understanding and a more participatory approach. Goals need to be shared between all stakeholders, inside and outside the city boundaries: city authority; public and private sector delivery partners; national service providers and commissioning authorities; businesses, residents of the city and the surrounding area.



A landscape of different type of standards for smart cities is needed to allow the development of replicable solutions; increase confidence in procurement, infrastructure and services; provide good practice and guidelines for city leaders; process management and a high level framework for developing smart cities.

**Chairman: Scott Steedman**, Vice-President Policy CEN; Director Standards, British Standards Institution

16:05 – 16:15

**Sustainable communities and leadership of EU**

**Inete Ielīte**, Management Board Member of Riga Municipal Agency “Riga Energy Agency”

16:15 – 16:25

**Smart and Sustainable Cities and Communities Coordination Group of CEN and CENELEC**

**Jean Félix**, Managing Director of Syntec Ingénierie, Chairman of the CEN-CENELEC-ETSI Coordination Group ‘Smart and Sustainable Cities and Communities’; Vice-President European Federation of Engineering Consultancy Associations (EFCA), Chair of the EFCA-FIDIC Sustainable Development Committee, Chair of CEN/TC 395 – Engineering Services, Liaison Officer in ISO/TC 268 - Sustainable development in communities

16:25 – 16:35

**Simon Hicks**, Chairman of ETSI General Assembly

16:35 – 16:45

**Key role of standards in the development of smart cities – the UK experiences**

**Dan Palmer**, Head of Market Development, British Standards Institution

16:45 – 16:55

**Smart cities – the driving force for sustainable economic development**

**Timurs Safiuljins**, Director of Riga Municipal Agency “Riga Energy Agency”

16:55 – 17:30

**Discussion**

Recommended for:

*Governments, city mayors, city planners, engineers, research institutes, universities, investors*

**Session 4 – Building design and management**

**INTRO:** Today construction clients and users often receive poor operating information at handover of the built assets. Current practices lead to duplication of activities as well as increases in costs and timescales for delivery of construction projects. The management of these asset portfolios needs to be improved.

The introduction of the building information modelling (BIM) provides a solution and includes the management of the information during the design, construction and operational phases of the asset lifecycle. The top three economic players (Germany, France, and the UK) in Europe are in the process of launching BIM strategies.

Using BIM, a ‘virtual’ building can be constructed to analyze the feasibility of a project, which helps to design structures that reduce waste and optimize energy use.

**Chairman: Ruggero Lensi**, Board Member CEN, Director External Relations, New Business and Innovation, Italian Institute for Standardization, UNI



16:05 – 16:20

**Building Information Modelling (BIM)**

**Souheil Soubra**, Member of the CEN/BT Working Group 215 on BIM; Chief of the Department Modélisation Physique et Environnements Virtuels Enrichis (MOD-EVE) of CSTB

16:20 – 16:35

**Towards the second generation of European Standards on Eurocodes**

**Michael Fardis**, Vice-chair of CEN/TC 250; Professor and Director of Structures Laboratory, Civil Engineering Department, University of Patras, Greece; Honorary President of the International Federation for Structural Concrete

16:35 – 16:50

**Contribution of Small Business Standards (SBS) to future work of CEN TC 442 on BIM**

**David Amadon**, Board Member SBS; Director for Technical and Professional Affairs, CAPEB – Confederation of Craft and SMEs in the Constructions - France

16:50 – 17:05

**Building codes based on standardisation**

**Pēteris Druķis**, Director of the State Building Control Office, Latvia

17:05 – 17:30

**Discussion**

Recommended for:

*National and local authorities, building designers, manufacturers, contractors, facility managers, engineers, software developers, building surveyors*

**CLOSING PLENARY SESSION**

17:40 – 18:20

**Closing panel**

Feedback from the breakout sessions

18:20 – 18:30

**Closing remarks**

**Friedrich Smaxwil**, CEN President

19:30 - 22:00

**Gala Dinner (by invitation only)**

Small Guild Hall “Mazā Ģilde” Amatu iela 3/5 – Old Town of Riga