

National standardization strategy: Outcomes 2010-2020 [Focus on ICT technical standardization] Perspectives 2020-2030

Dr. Jean-Philippe Humbert

Adjoint à la Direction - ILNAS

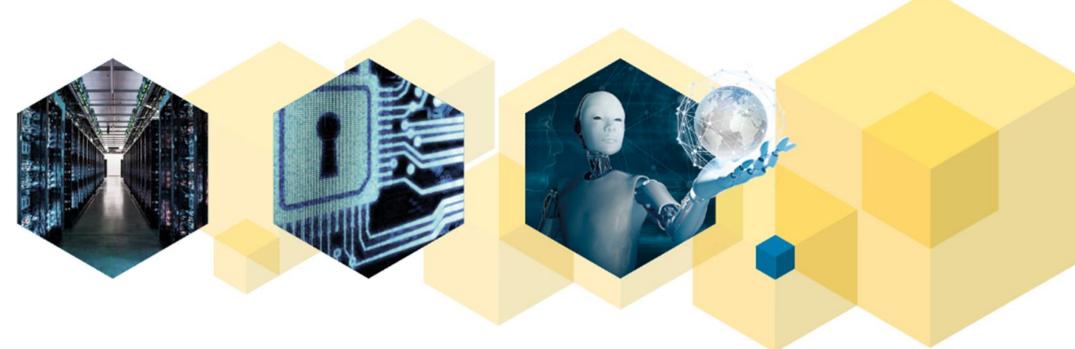
12 December 2019





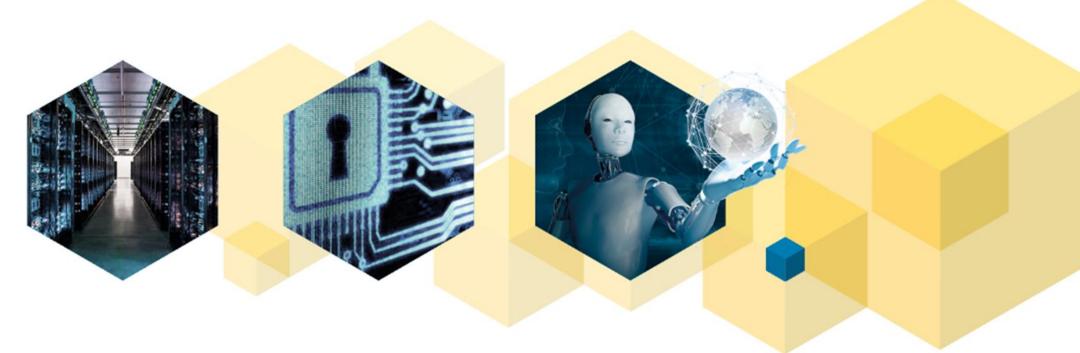


- II NATIONAL STANDARDS BODY
- III NATIONAL STANDARDIZATION STRATEGY (2010-2020) & POLICY ON ICT TECHNICAL STANDARDIZATION (2015-2020)
- IV NATIONAL STANDARDIZATION STRATEGY 2020-2030





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A. Key figures

ILNAS, Institut luxembourgeois de la normalisation, de l'accréditation, de la sécurité et qualité des produits et services

- Creation: law dated July 14, 2014 (repealing the amended Law of May 20, 2008) and law dated February 17, 2017
- Legal form: Public administration under the authority of the Minister of the Economy
- Total staff: 48 (December 2019)
- Website: www.portail-qualite.lu

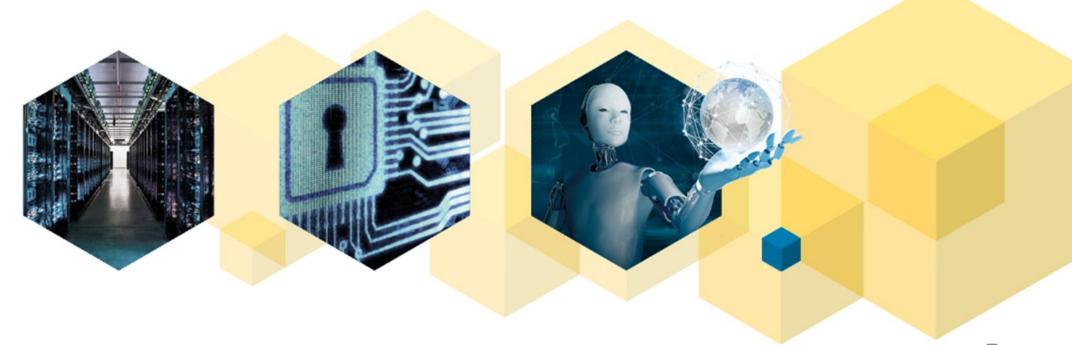






II – NATIONAL STANDARDS BODY

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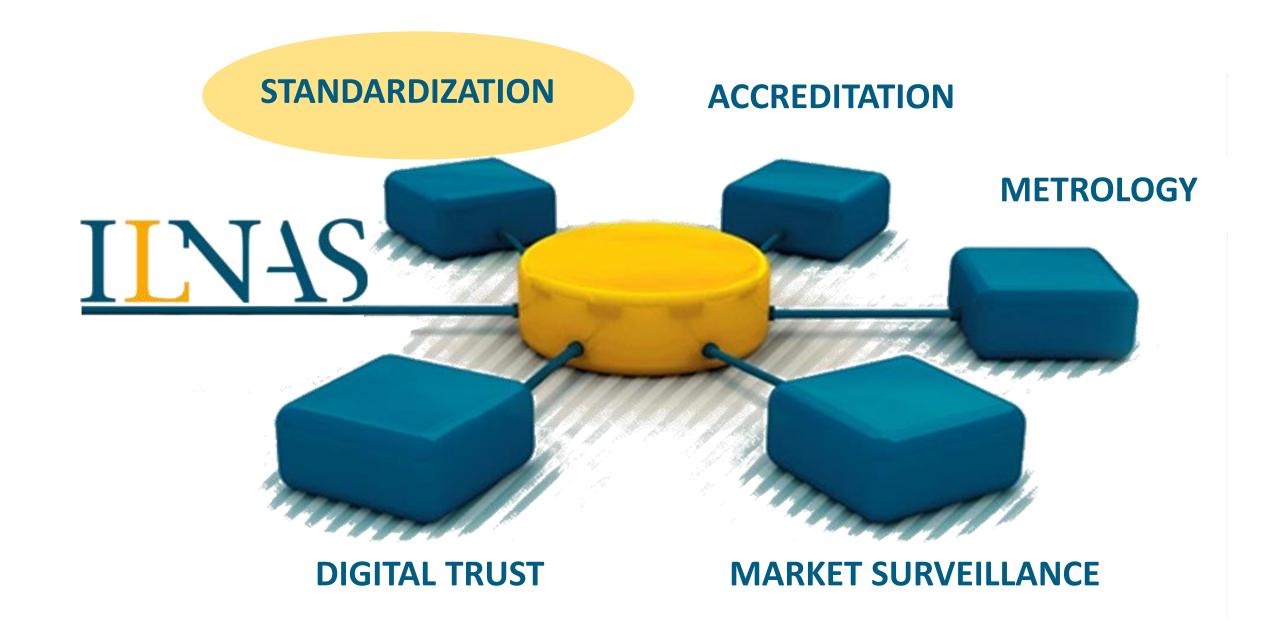






II. NATIONAL STANDARDS BODY

- A. Overview
- OLN Organisme luxembourgeois de normalisation
 - Composed of 6 persons
 - Close collaboration with the G.I.E. ANEC-N (6 persons)





B. ANEC GIE



Agency for standardization and knowledge-based economy

→ Supports ILNAS in the execution of the national standardization strategy

- Creation: October 4, 2010
- Legal form: Economic Interest Grouping (EIG)
- Objectives: Promotion, awareness raising and training, applied research in the field of standardization and metrology in order to support companies' competitiveness in Luxembourg
- Total staff: 9 employees (December 2019)
- Partners:







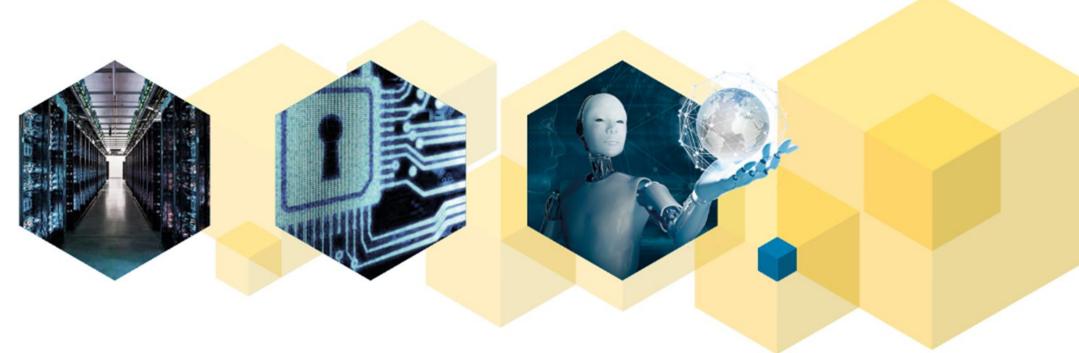


Quality system certified against ISO 9001:2015 since July 2018





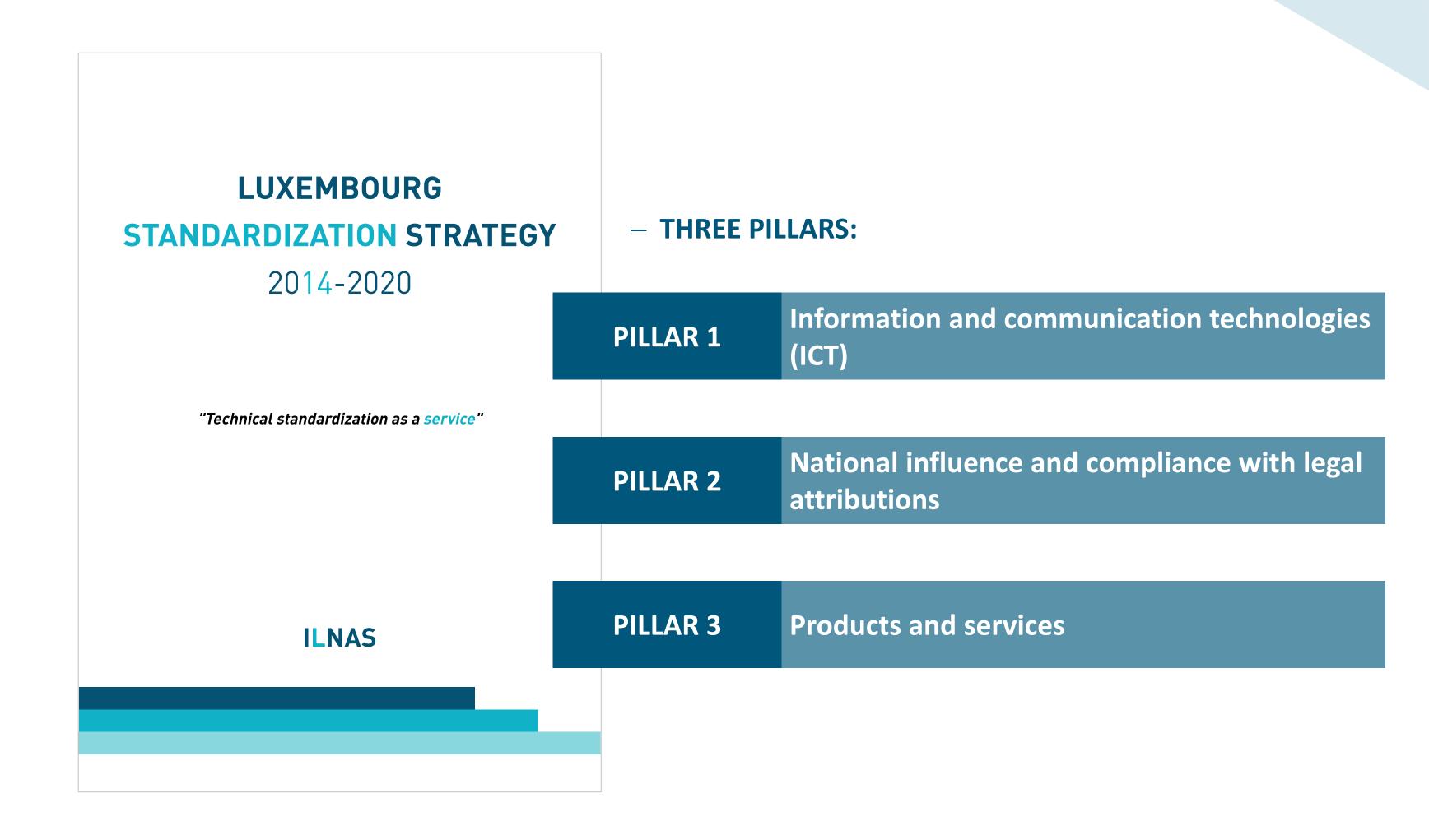
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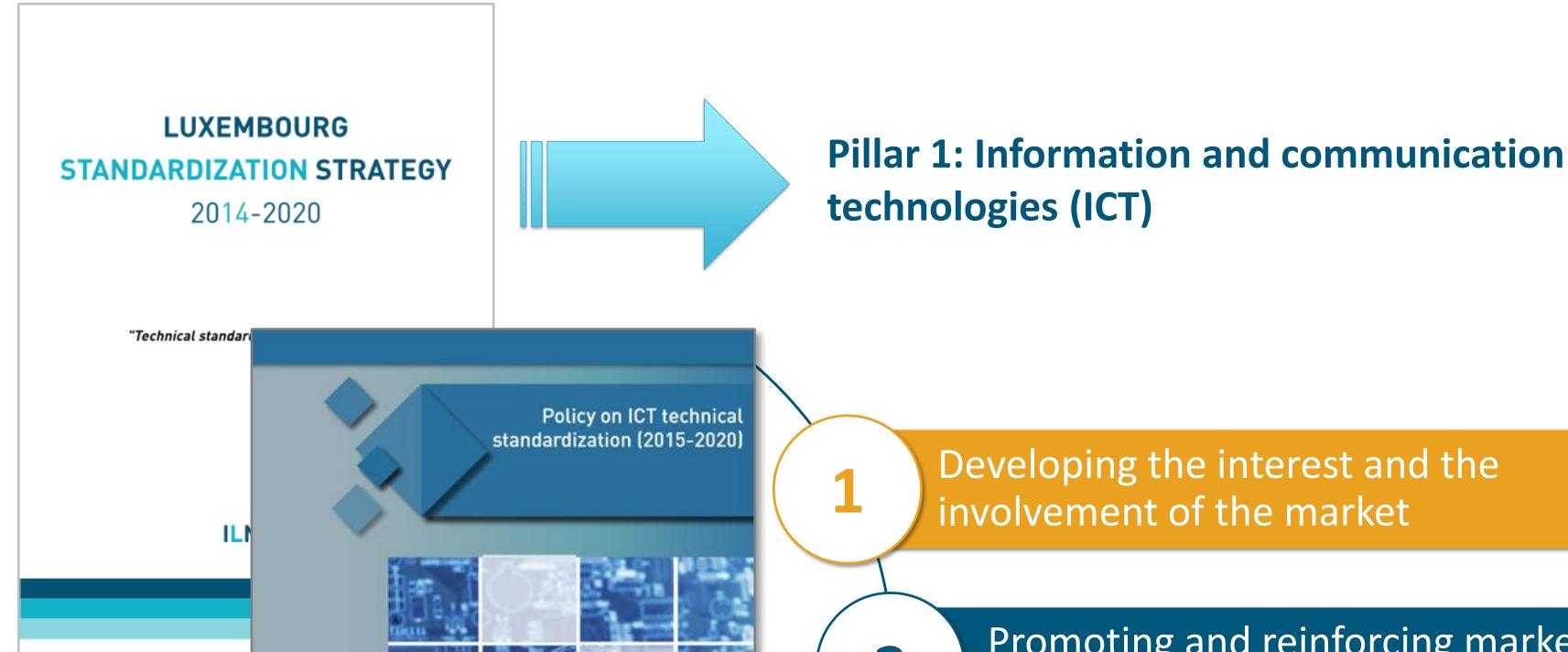
A. Overview







Pillar 1: Information and communication technologies (ICT)



- Developing the interest and the involvement of the market
- Promoting and reinforcing market participation
- Supporting and strengthening the EaS and related research activities

ILNAS

https://portail-qualite.public.lu/fr/publications/normes-normalisation/avis-officiels/strategie-normative-2014-2020.html

https://portail-qualite.public.lu/fr/publications/normes-normalisation/avis-officiels/politique-luxembourgeoise-pour-la-normalisation-technique-des-TIC-2015-2020.html



B. Pillar 1: Information and communication technologies (ICT)

- Standards Analysis of the (Smart) (Secure) ICT Sector





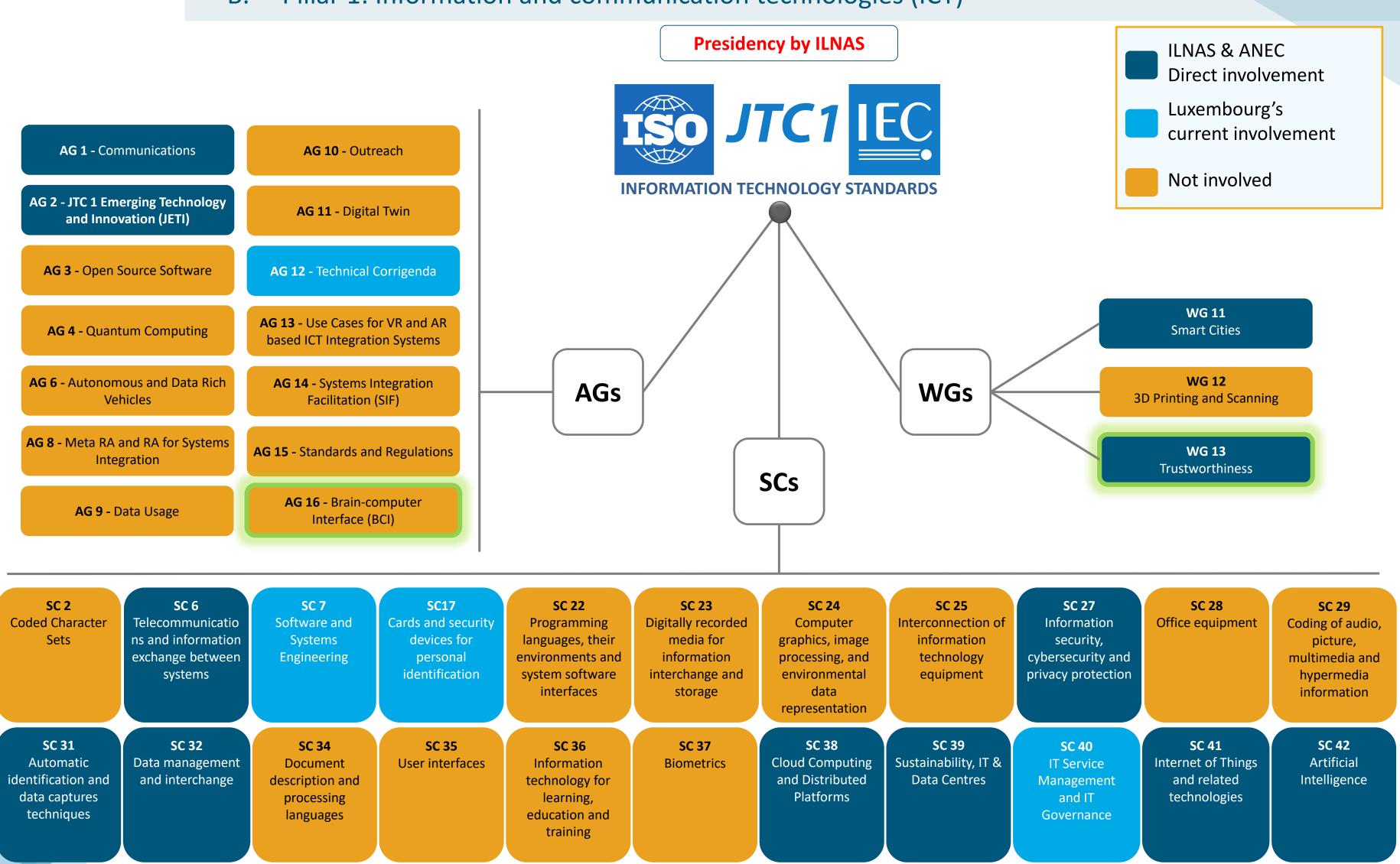


8 editions of the Standards Analysis of the ICT Sector 2 editions of the Standards Analysis Smart ICT

2 editions of the Standards Analysis Smart Secure ICT

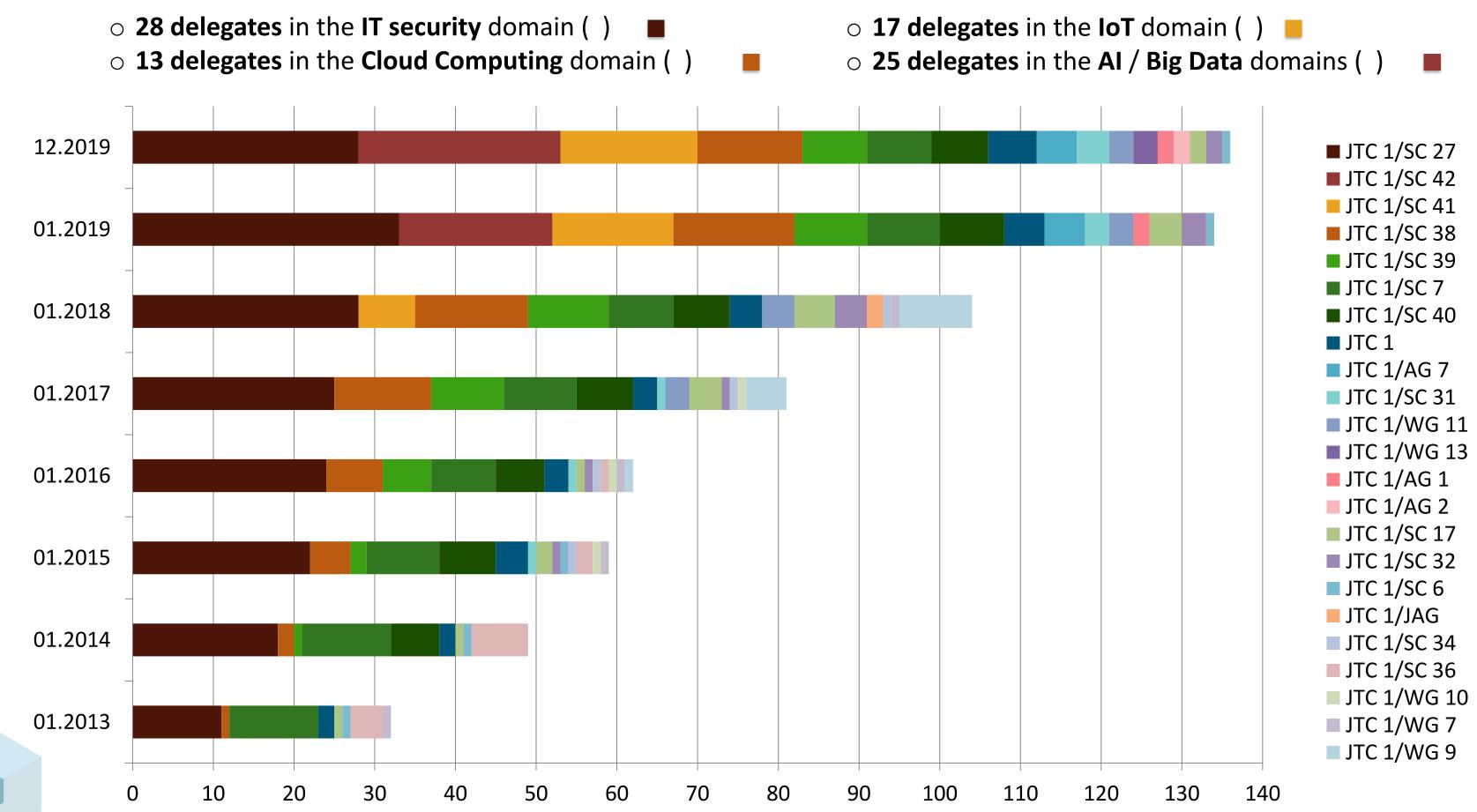


B. Pillar 1: Information and communication technologies (ICT)





- B. Pillar 1: Information and communication technologies (ICT)
- Evolution of the number of national standardization delegates in ISO/IEC JTC 1
 - > Top representation in JTC 1:

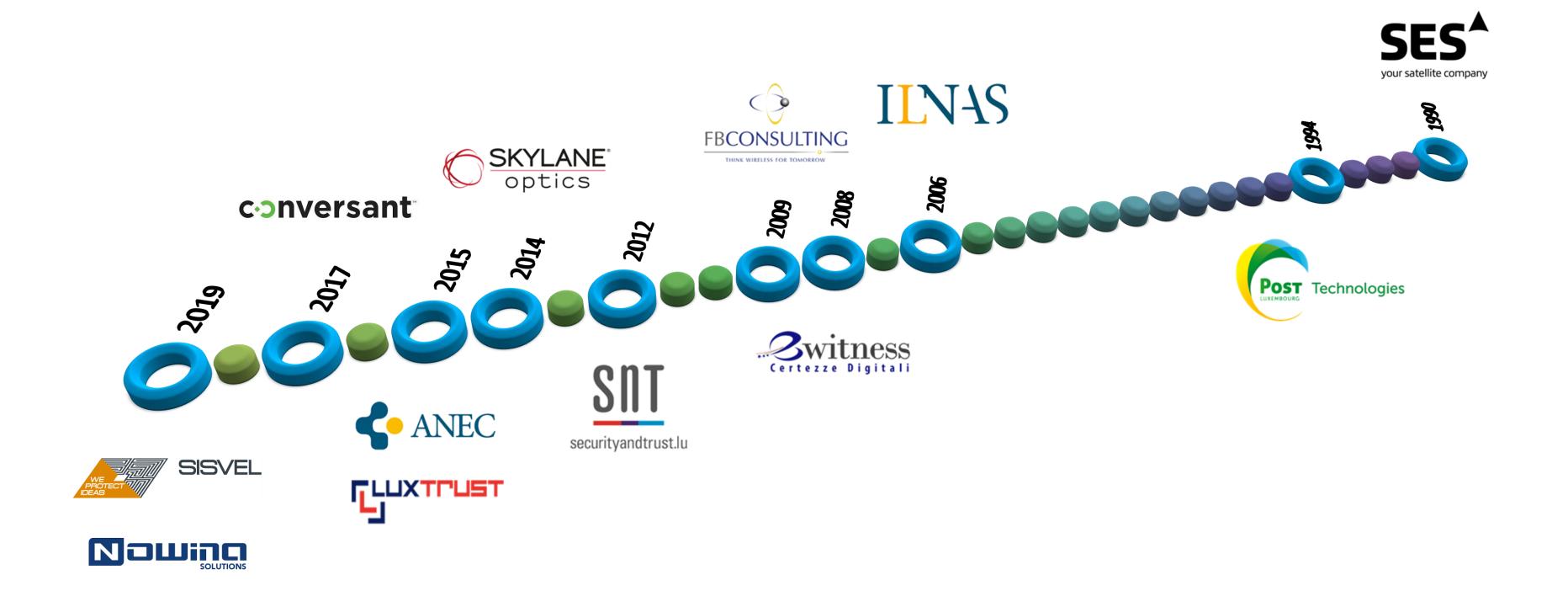




B. Pillar 1: Information and communication technologies (ICT)

- 12 ETSI members in Luxembourg:







B. Pillar 1: Information and communication technologies (ICT)

- Publication of White Papers



3 White
Papers under
development



B. Pillar 1: Information and communication technologies (ICT)

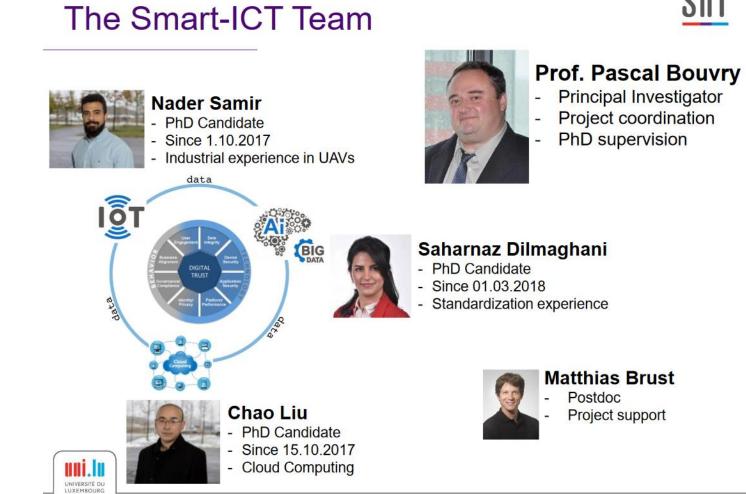
Development of a Research Program (2017-2020) in collaboration with the University of Luxembourg

The Smart-ICT Team

The University of Luxembourg and ILNAS are strengthening their collaboration in the field of Smart ICT and standardization. A ceremony was held on May 17, 2017 at the Ministry of Economy to formally conclude the partnership.



In the rear row, from left to right: Jean-Philippe Humbert, Pascal Bouvry, Paul Heuschling, Yves Elsen, Björn Ottersten; In the front row, from left to right: Ludwig Neyses, Francine Closener, Jean-Marie Reiff





10/2018 - White Paper "DATA PROTECTION AND PRIVACY IN SMART ICT - SCIENTIFIC RESEARCH AND TECHNICAL STANDARDIZATION"



IS Day 2019 - Information Security Awards
Security Project of the Year: SnT – ILNAS



Journée mondiale

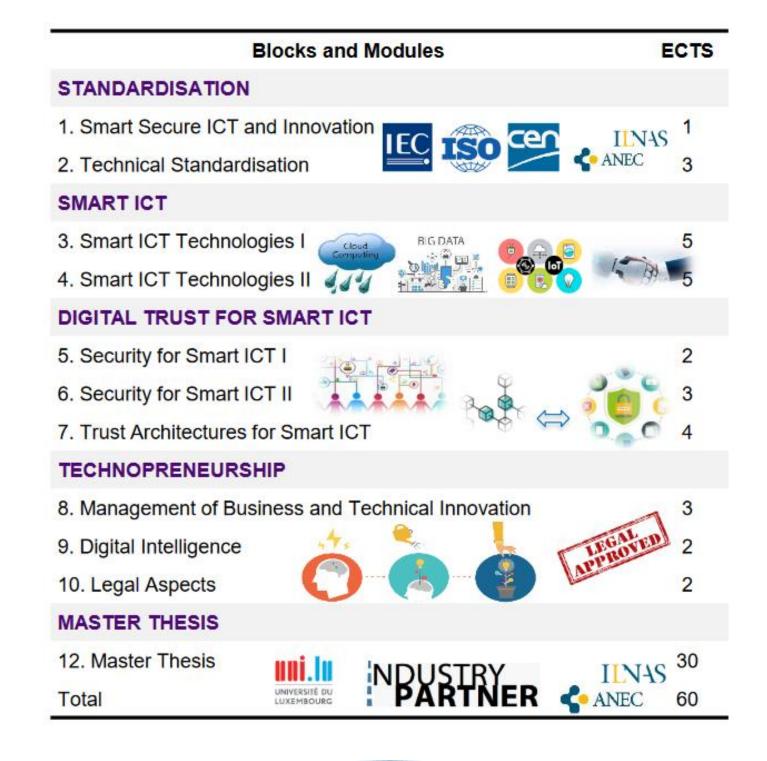


- B. Pillar 1: Information and communication technologies (ICT)
- Development of a Master degree "Technopreneurship: mastering smart ICT, standardization and digital trust for enabling next generation of ICT solutions" in collaboration with the University of Luxembourg



2 years lifelonglearning

20 students



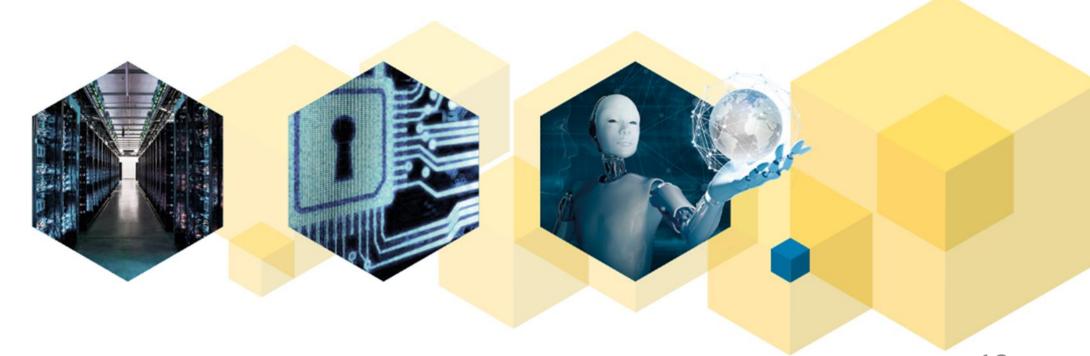
Objective: Start in September 2020

12 Modules

327 hours of teaching

Internship (750 hours)

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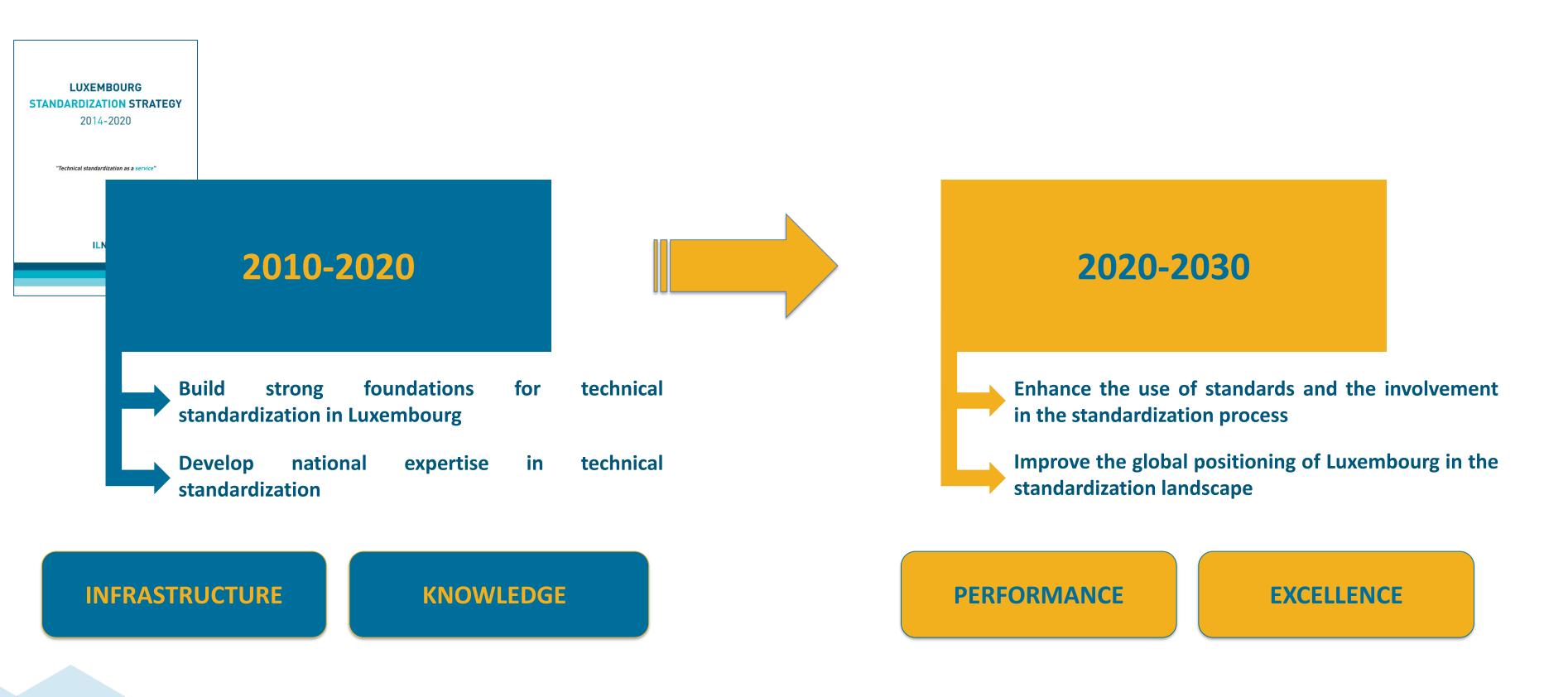




A. Overview

Technical standardization

"Inclusive tool for performance and excellence to serve the economy"





A. Overview

Technical standardization

"Inclusive tool for performance and excellence to serve the economy"





B. Pillars

Technical standardization

"Inclusive tool for performance and excellence to serve the economy"



- ☐ Pillar 1 Use of relevant technical standards
- ☐ Pillar 2 Involvement in the standardization process



- ☐ Pillar 3 Active participation of the NSB in the European and international standardization organizations
- ☐ Pillar 4 Development of research and education about standardization

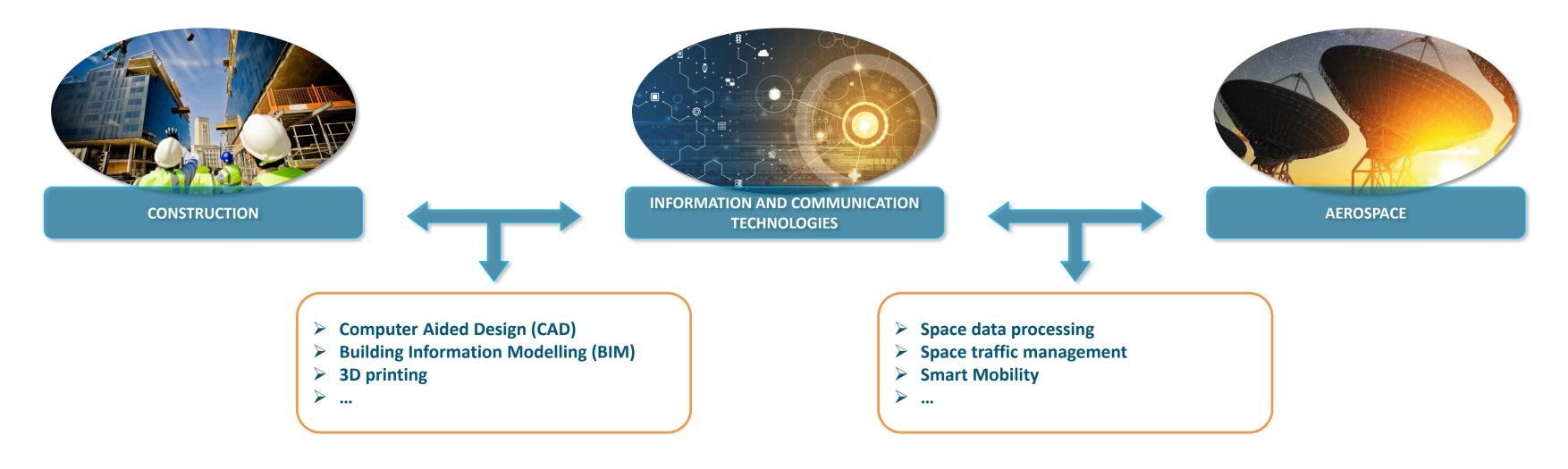


C. Implementation

Technical standardization

"Inclusive tool for performance and excellence to serve the economy"

- Identification of trans-sectoral standardization interactions



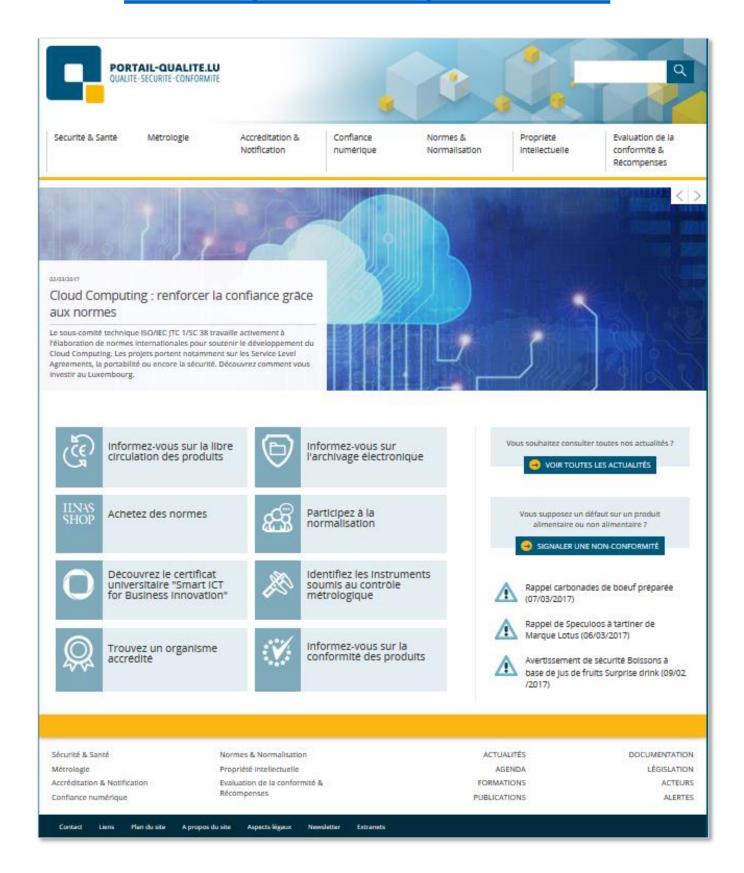
 Creation of products and services to support the normative development of the growth sectors



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→ ILNAS e-shop:

https://ilnas.services-publics.lu/





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https://portail-qualite.public.lu/fr/support/newsletter.html



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