

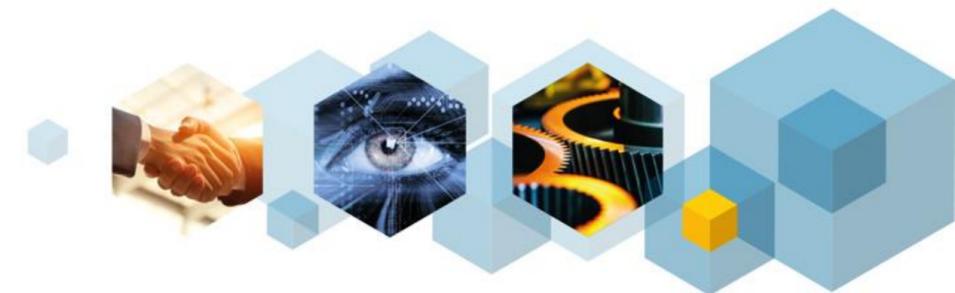
ILNAS

Welcome
Bienvenue
Willkommen

National standardization strategy “2020-2030” [Focus on Research and Education]

Dr. Jean-Philippe Humbert
Adjoint à la Direction - ILNAS

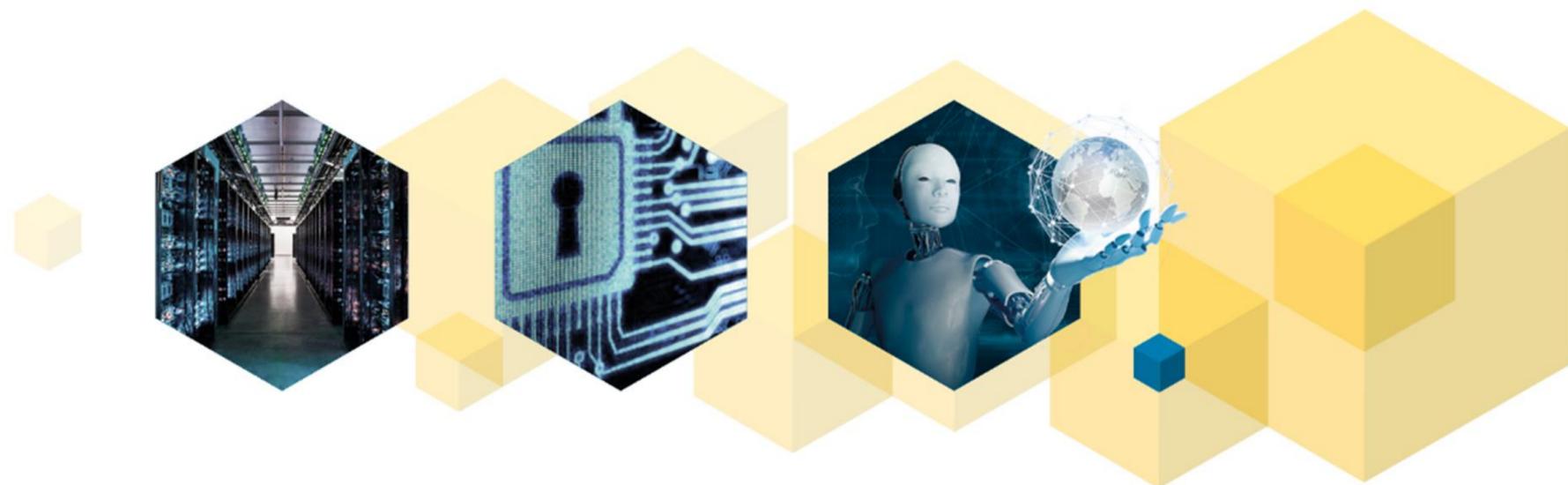
04 February 2020



I – INTRODUCTION OF ILNAS

II – NATIONAL STANDARDS BODY

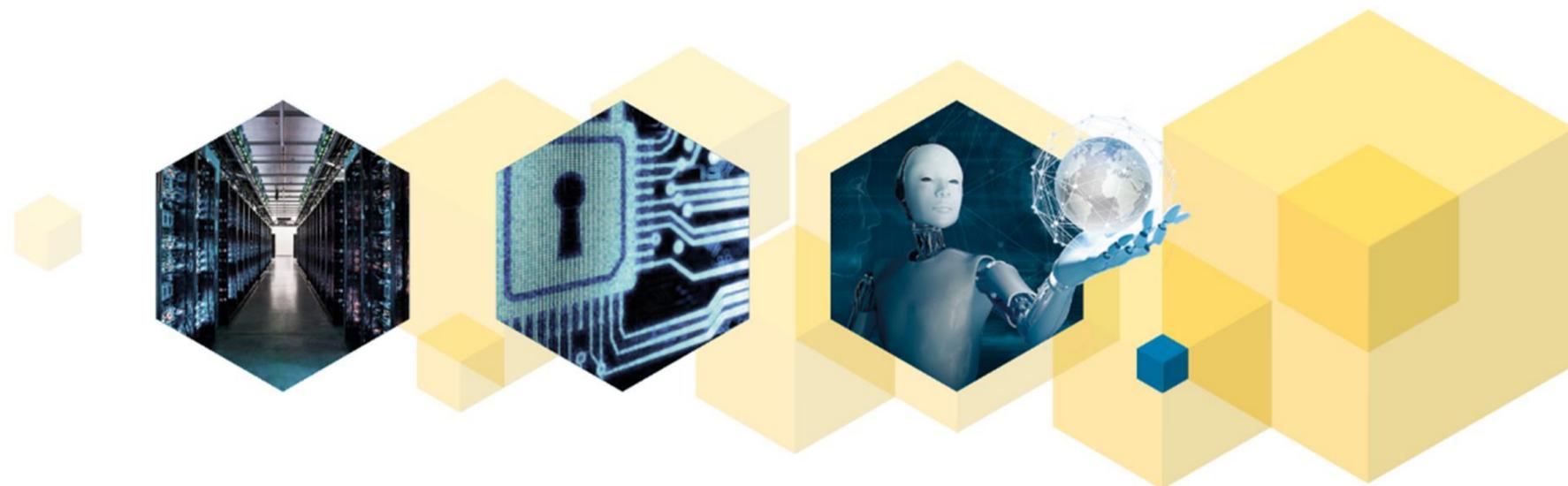
III – NATIONAL STANDARDIZATION STRATEGY 2020-2030



I – INTRODUCTION OF ILNAS

II – NATIONAL STANDARDS BODY

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

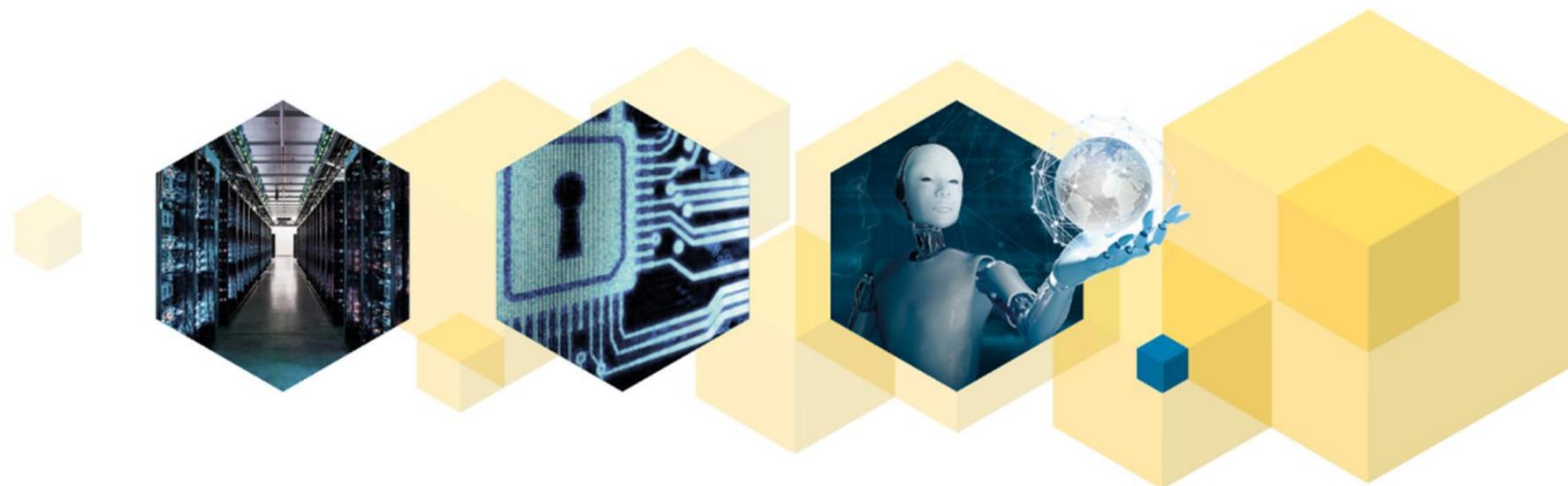
- **Creation:** law dated July 14, 2014 (repealing the amended Law of May 20, 2008) and law dated February 17, 2017
- **Legal form:** Public administration under the authority of the Minister of the Economy
- **Total staff:** 50 (February 2020)
- **Website:** www.portail-qualite.lu



I – INTRODUCTION OF ILNAS

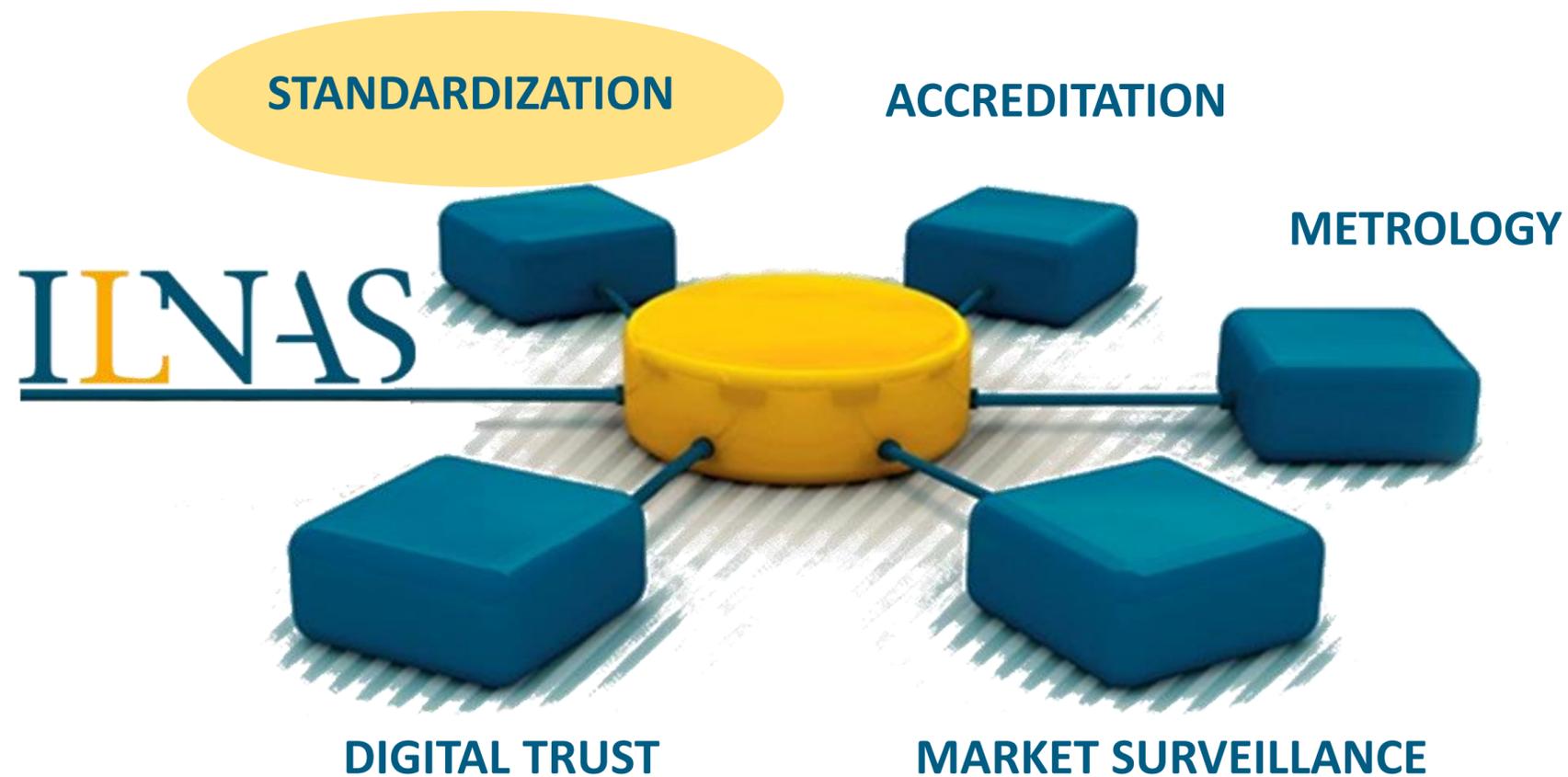
II – NATIONAL STANDARDS BODY

III – NATIONAL STANDARDIZATION STRATEGY 2020-2030



A. Overview

- **OLN - Organisme luxembourgeois de normalisation**
 - Composed of 6 persons
 - Close collaboration with the G.I.E. ANEC





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 (February 2020)

– **Partners:**



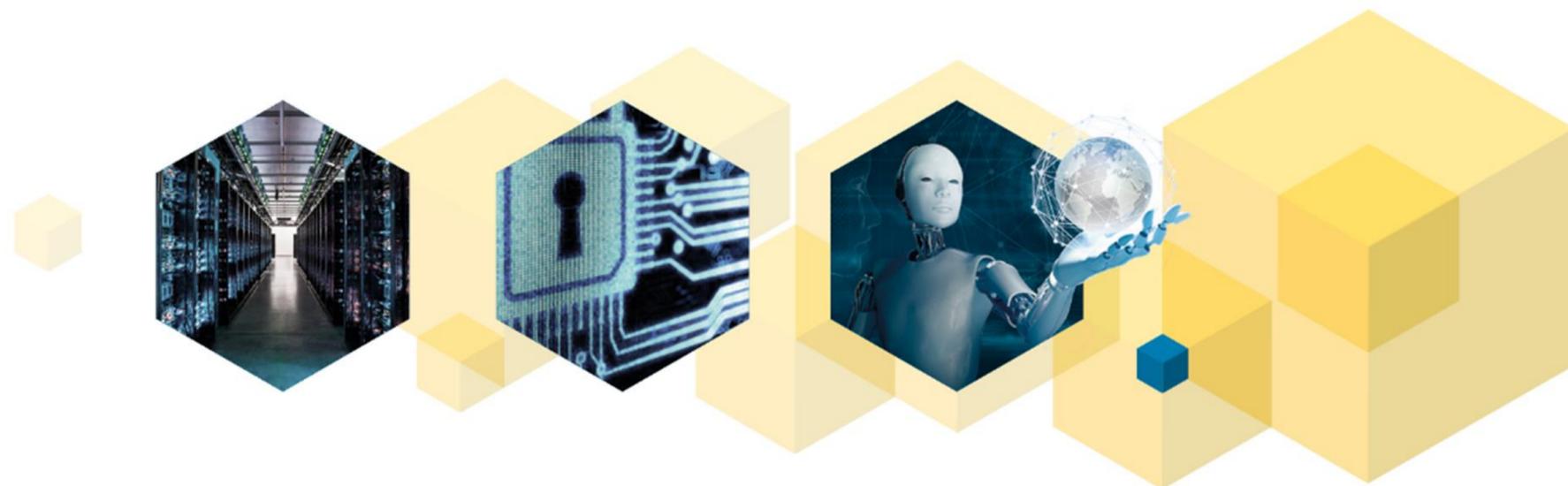
LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Économie

- **Quality system certified against ISO 9001:2015 since July 2018**

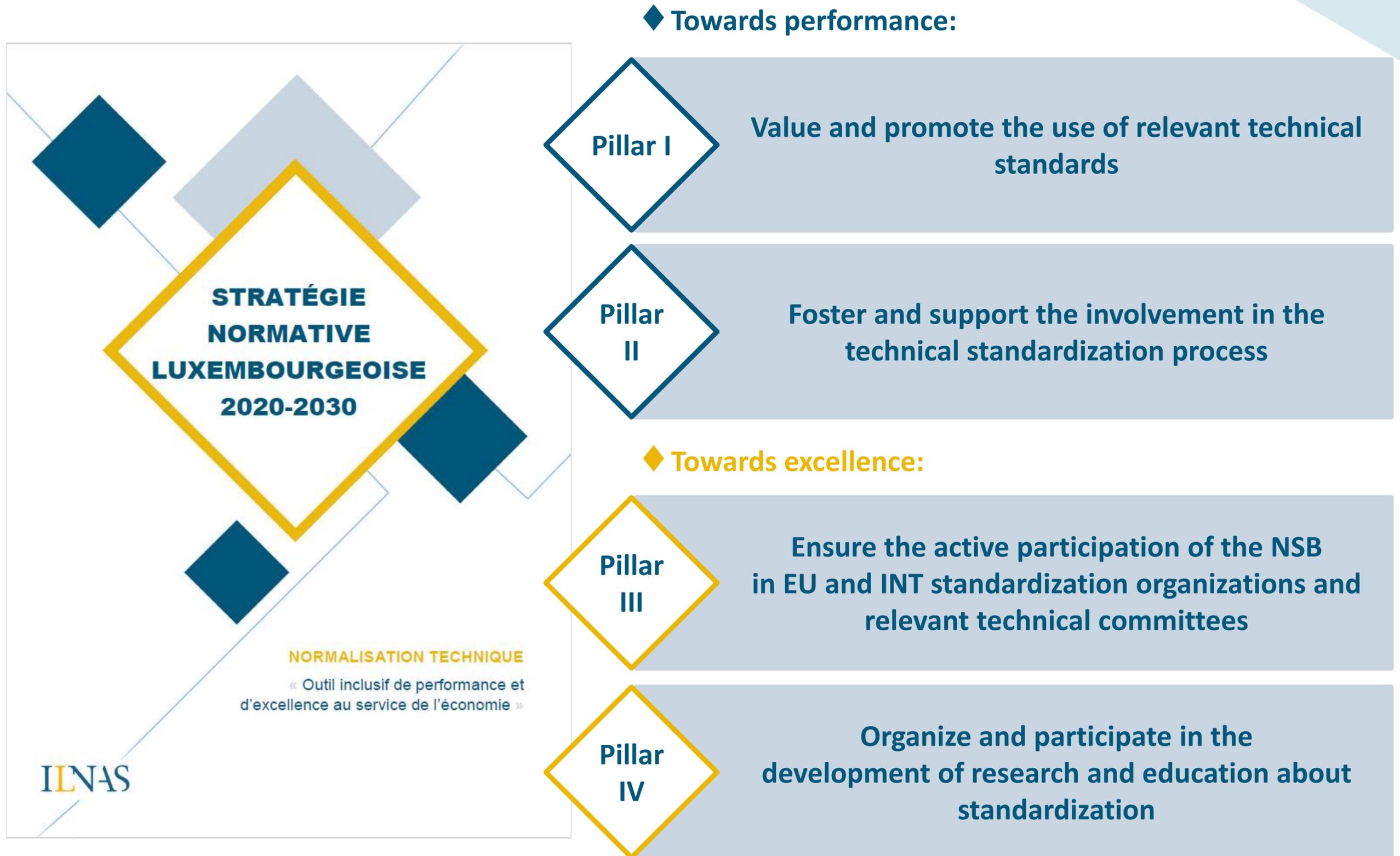
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A. Overview



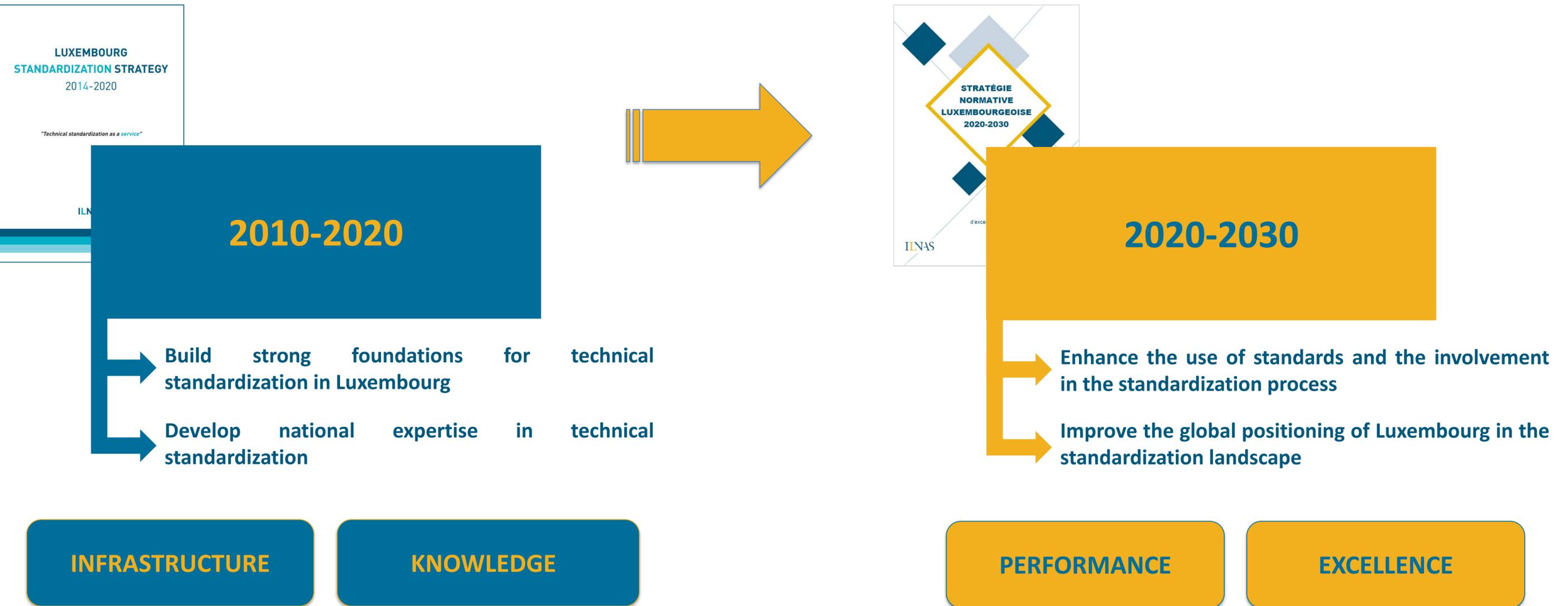
A. Overview



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

Technical standardization

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



Technical standardization

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

3 growth sectors
identified



**INFORMATION AND COMMUNICATION
TECHNOLOGIES**



CONSTRUCTION



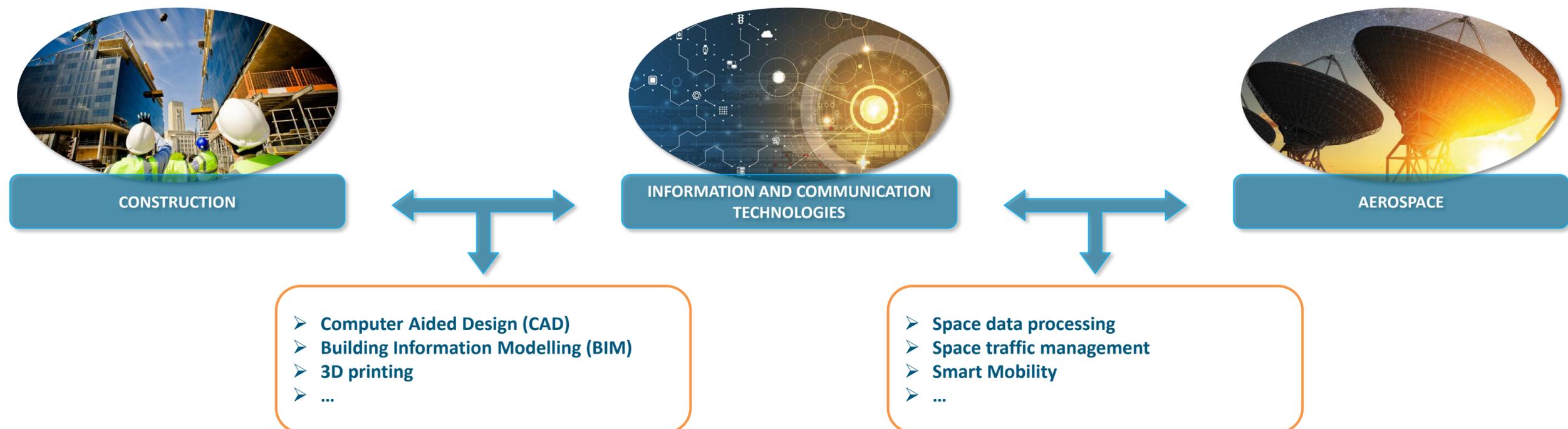
AEROSPACE

B. 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

C. Focus on Research & Education

- Publication of White Papers



8 White Papers published

3 White Papers under development

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

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 Cloeser, Jean-Marie Reiff

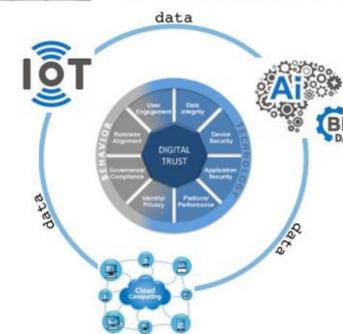
The Smart-ICT Team



Nader Samir
- PhD Candidate
- Since 1.10.2017
- Industrial experience in UAVs



Prof. Pascal Bouvry
- Principal Investigator
- Project coordination
- PhD supervision



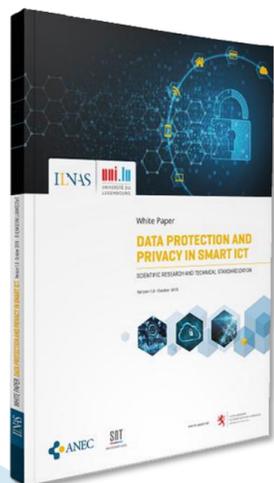
Saharnaz Dilmaghani
- PhD Candidate
- Since 01.03.2018
- Standardization experience



Matthias Brust
- Postdoc
- Project support



Chao Liu
- PhD Candidate
- Since 15.10.2017
- Cloud Computing



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



10/2019 - Technical Reports "SMART ICT: GAP ANALYSIS BETWEEN SCIENTIFIC RESEARCH AND TECHNICAL STANDARDIZATION"

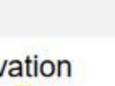
C. Focus on Research & Education

- 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

60 ECTS

2 years
lifelong-
learning

20
students

Blocks and Modules	ECTS
STANDARDISATION	
1. Smart Secure ICT and Innovation    	1
2. Technical Standardisation	3
SMART ICT	
3. Smart ICT Technologies I  	5
4. Smart ICT Technologies II  	5
DIGITAL TRUST FOR SMART ICT	
5. Security for Smart ICT I 	2
6. Security for Smart ICT II 	3
7. Trust Architectures for Smart ICT 	4
TECHNOPRENEURSHIP	
8. Management of Business and Technical Innovation 	3
9. Digital Intelligence 	2
10. Legal Aspects  	2
MASTER THESIS	
12. Master Thesis   	30
Total	60

12
Modules

327 hours
of
teaching

Internship
(750 hours)

Objective: Start in
September 2020

→ **Portail qualité:**
www.portail-qualite.lu

→ **ILNAS e-shop:**
<https://ilnas.services-publics.lu/>

→ **Newsletters:**
<https://portail-qualite.public.lu/fr/support/newsletter.html>



ILNAS

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