



Presentation of ILNAS

18th October 2023

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



I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION

I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION

- ILNAS

- Public administration under the authority of the Minister of the Economy
- Creation: Law of May 20, 2008
- Legislation in force: amended Law of July 4, 2014 reorganizing ILNAS
- Total staff: 62 (October 2023)
- ISO 9001:2015 certification (Budget and administration department, OLN, Digital Trust department, Market surveillance department, BLM, OEC)



UNE INITIATIVE DE L' **ILNAS**

- National Standards Body (OLN)

- Composed of 8 persons
- Close collaboration with the E.I.G. ANEC-N





- **Creation:** October 4, 2010
- **Status:** Economic Interest Group (EIG)
- **Objectives:** Promotion, awareness raising and training, applied research in the field of standardization and metrology in order to support companies' competitiveness in Luxembourg
- **Human resources:** 9 persons, including 4 employees in the standardization department (October 2023)
- **Partners:**



ILNAS

CHAMBRE
DES METIERS
Luxembourg



➔ Support for the implementation of the Luxembourg standardization strategy

I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION

Main missions



ILNAS
e-shop

- Coordinate and supervise the creation of national standards
- Make standards available to the market
 - ILNAS eShop
 - ILNAS reading stations
- Represent Luxembourg in the standardization related organizations



- Manage the participation of national stakeholders in the international standardization organizations (ISO, IEC, CEN and CENELEC)
- Develop a normative culture in Luxembourg
 - Promotion
 - Education
 - Research





→ Strategy signed by the Minister of the Economy of Luxembourg

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

PERFORMANCE

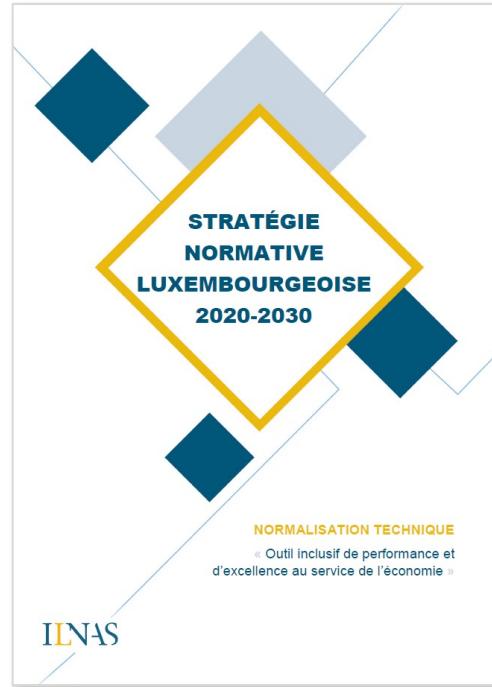


- Pillar 1 – Use of relevant technical standards**
- Pillar 2 – Involvement in the standardization process**

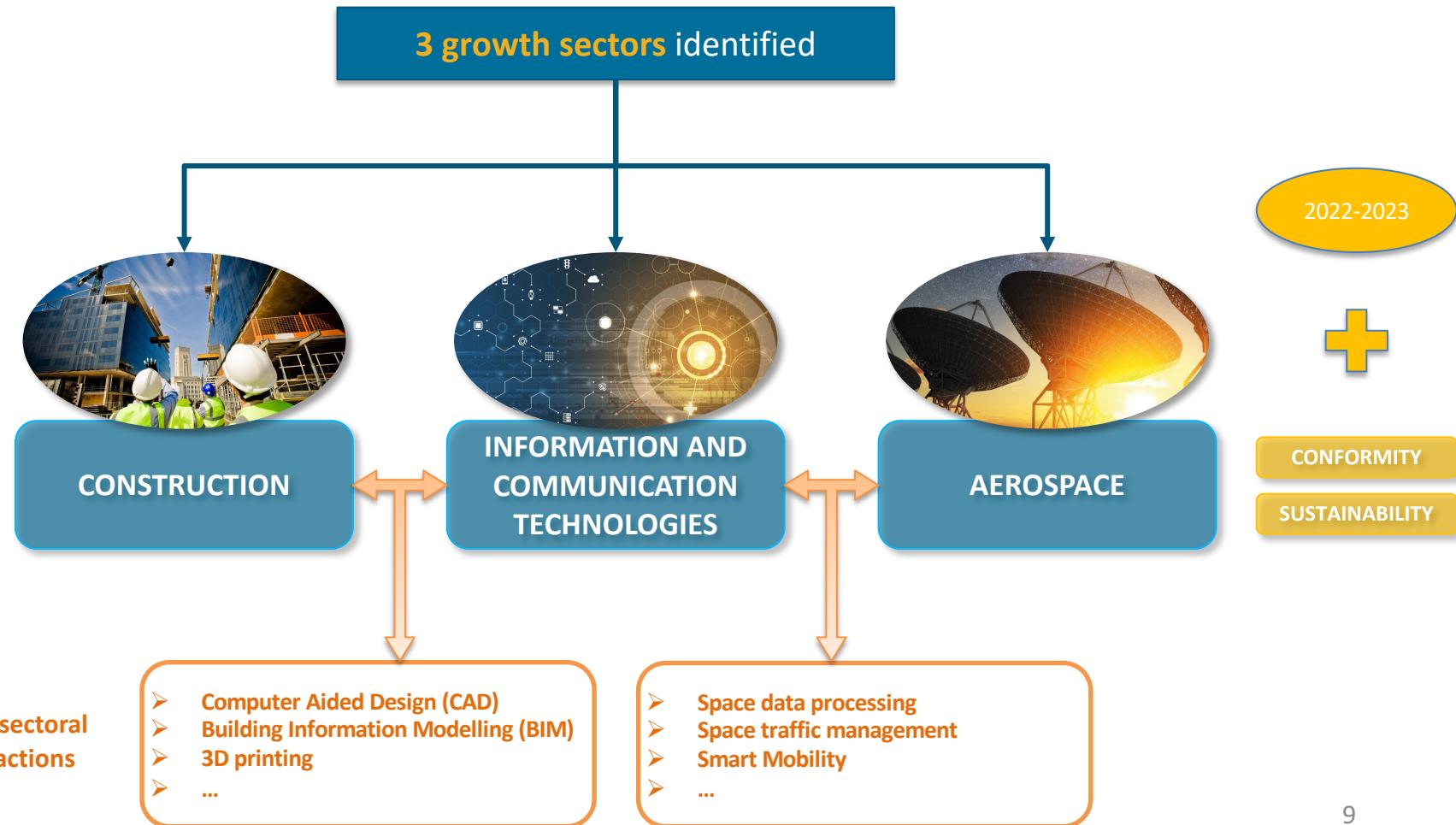
EXCELLENCE



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

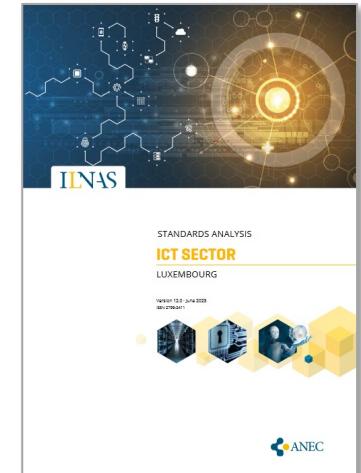
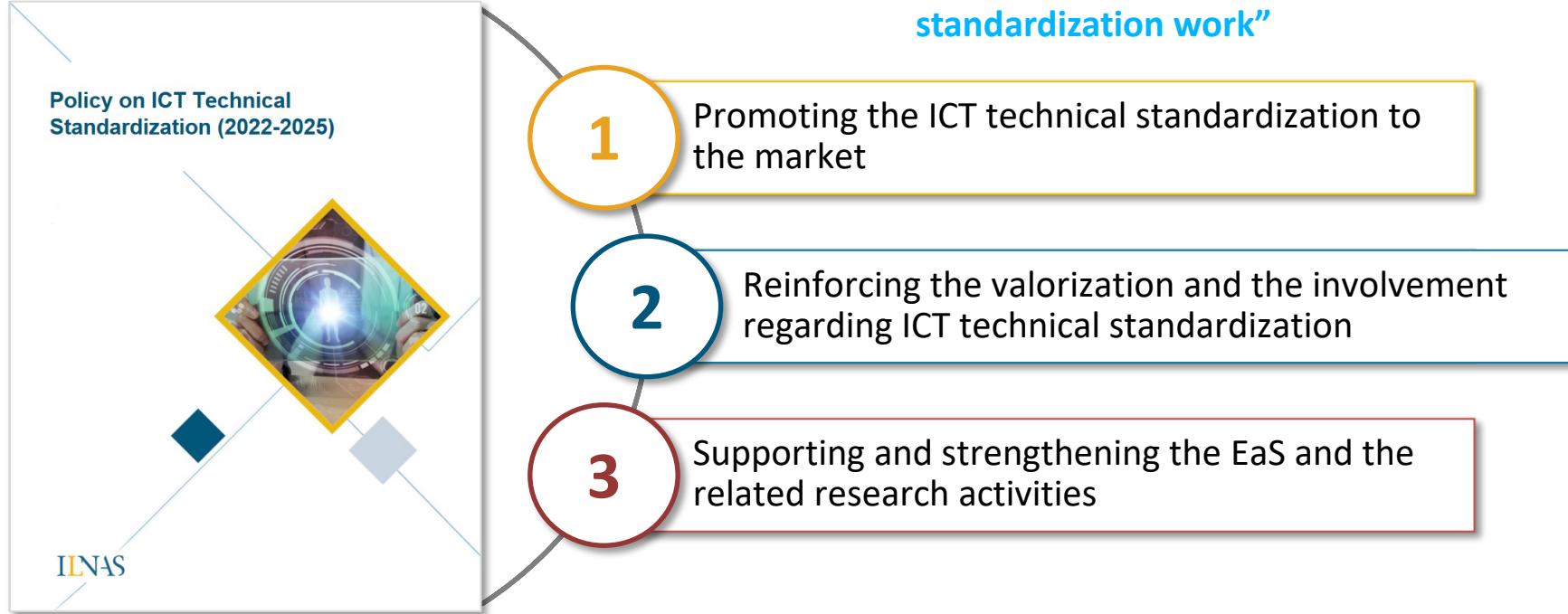


Technical standardization
"Inclusive tool for performance and excellence to serve the economy"



Luxembourg's policy on ICT technical standardization

“Foster and strengthen the national ICT sectors involvement in standardization work”



Policies for the Construction, Aerospace and Conformity domains are based on similar lead projects

I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION

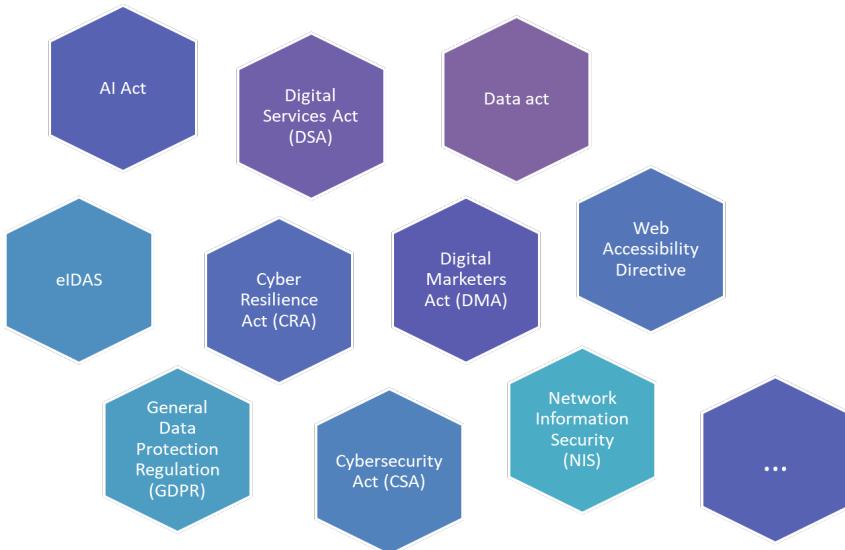
- New paradigm in the European standardization ecosystem - European Standardisation Strategy ([COM\(2022\) 31](#))
 - o Five key sets of actions:
 1. Anticipate, prioritize and address **standardization needs in strategic areas**
 2. Improve the governance and integrity of the European standardization system
 3. Enhance **European leadership** in global standards
 4. Support innovation
 5. Enable the **next generation** of standardization experts

*“Technical standards are of strategic importance. Europe's **technological sovereignty, ability to reduce dependencies and protection of EU values** will rely on our **ability to be a global standard-setter**. With today's Strategy, we are crystal-clear on our standardisation priorities and create the conditions for European standards to become global benchmarks. We take action to preserve the **integrity of the European standardisation process, putting European SMEs and the European interest at the centre**”*

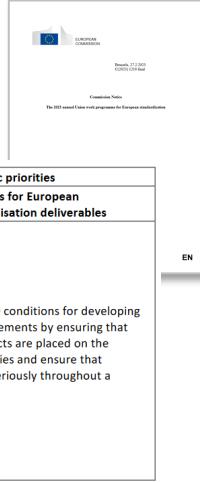
Commissioner for the Internal Market, Thierry Breton



A more and more complex EU regulatory ecosystem for the ICT sector

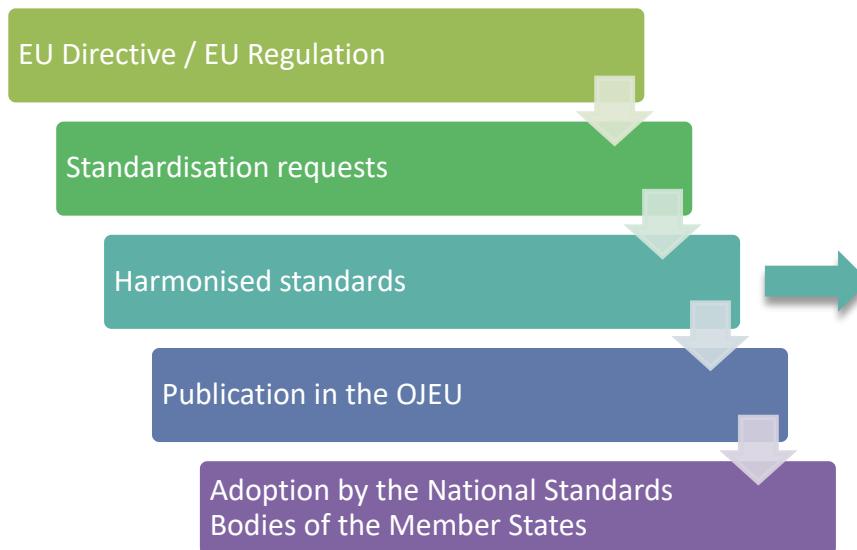


Technical standardization A support for complying with the EU regulatory ecosystem



Actions for the development and revision of European standards or European standardisation deliverables supporting the strategic priorities				
Ref	Title	Reference	European standards/European standardisation deliverables	Specific objectives and policies for European standards/European standardisation deliverables
5	Cybersecurity requirements for products with digital elements	COM(2022)454 - Proposal for a Regulation on horizontal cybersecurity requirements for products with digital elements and amending Regulation (EU) 2019/1020 (Cyber resilience Act)	Develop European standards and European standardisation deliverables corresponding to essential cybersecurity specifications as set out by the Cyber Resilience Act and notably concerning: (i) security specifications relating to the properties of products with digital elements and vulnerability handling specifications (ii) methodologies concerning assurance levels relating to products with digital elements as referred to above; (iii) evaluation methodologies for evaluating cybersecurity risks associated with products with digital elements.	The main objective is to create conditions for developing secure products with digital elements by ensuring that hardware and software products are placed on the market with fewer vulnerabilities and ensure that manufacturers take security seriously throughout a product's life cycle.

The 2023 annual EU work program for European standardization (02/2023) - <https://ec.europa.eu/docsroom/documents/53720>

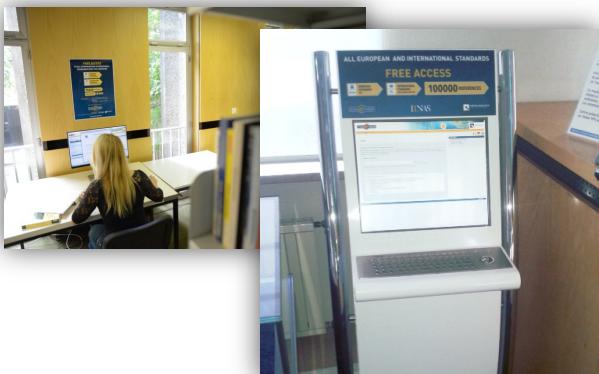


How to be involved in this framework?



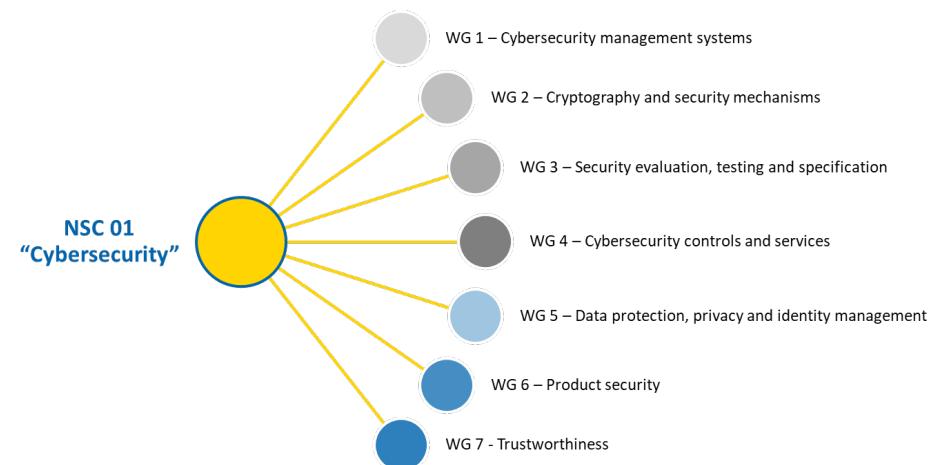
Passive - Use Standards

ILNAS eShop
Reading stations



Active - Participate in Standards' development

Become a national delegate in standardization



I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

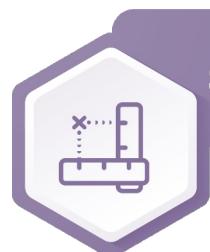
III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION

2022-2023 – New ILNAS Research activities



STANDARDIZATION



SAVE THE DATES

21/11/2023
Technical Standardization
Report on Quantum
Technologies



14/12/2023
White Paper Digital Trust 4.0
Trust services
Cybersecurity certification
Technical Standardization



DIGITAL TRUST

I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

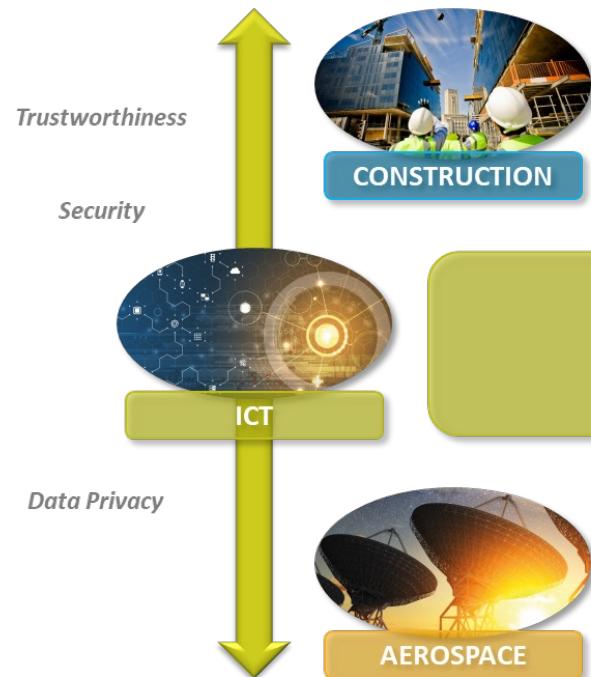
IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION

Research program “Technical Standardisation for Trustworthy ICT, Aerospace, and Construction” (2021-2024)

Research program “Technical Standardisation for Trustworthy ICT, Aerospace, and Construction” (2021-2024) in collaboration with the University of Luxembourg



Building Information Modelling (BIM) and its integration with Artificial Intelligence (AI)



1 postdoc



3 PhD students



Swarms of Nano-satellites



<https://gd.lu/8WJHCK>

Research project “cybersecurity Certification based On Risk evALuation and treatment (CORAL)” (2021-2023)



CORAL - cybersecurity Certification based On Risk evALuation and treatment



Co-financed by the Connecting Europe Facility of the European Union

Overview

CORAL is a European Union-funded project under CEF Telecom Call, that **aims to elaborate a toolkit and methodology to speed up the certification process in line with the EU Cybersecurity Act or CSA (Regulation EU 2019/881)**. The project aims to address challenges concerning self-certification and the basic level of assurance, as well as to enhance the exchange of good practices, collaboration and information sharing related to performing evaluations in line with the CSA.

The CORAL project is being developed in a Luxembourgish context, but it aims to become known and used beyond the Luxembourg market and borders. Its target audience is primarily small and medium enterprises who have a product or service for which, they wish to assess the basic cybersecurity requirements.



<https://youtu.be/kmMHJ-lj4FY>

I - PRESENTATION OF ILNAS AND ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - WHITE PAPERS, TECHNICAL REPORTS AND GUIDES

V - RESEARCH ACTIVITIES

VI - EDUCATION ABOUT STANDARDIZATION



PROGRAMME

STANDARDISATION	ECTS
Smart Secure ICT and Innovation	1
Technical Standardisation	3
TOTAL	4

SMART ICT	ECTS
Smart ICT Technologies I	5
Smart ICT Technologies II	5
TOTAL	10

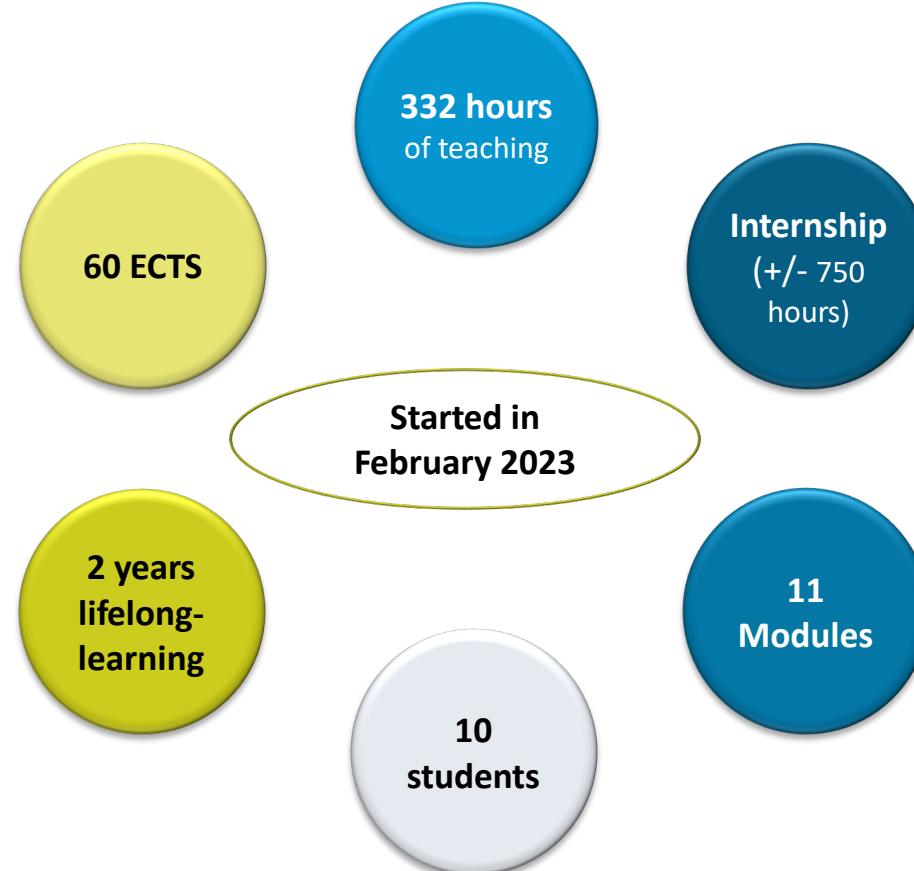
DIGITAL TRUST FOR SMART ICT	ECTS
Security for Smart ICT I	2
Security for Smart ICT II	3
Trust Architectures for Smart ICT	4
TOTAL	9

TECHNOPRENEURSHIP	ECTS
Management of Business and Technical Innovation	3
Digital Intelligence	2
Legal Aspects	2
TOTAL	7

MASTER THESIS	ECTS
Master Thesis	30
TOTAL	30

mtech.uni.lu

Master MTECH – ILNAS in collaboration with the University of Luxembourg and the Chamber of Employees



With the support of:  THE GOVERNMENT OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy





ILNAS

Southlane Tower I · 1, avenue du Swing · L-4367 Belvaux

Tel. : (+352) 24 77 43 - 00 · Fax : (+352) 24 79 43 - 10

E-mail: info@ilnas.etat.lu

www.portail-qualite.lu