ILNAS
ANEC
uni.lu
UNIVERSITÉ DU LUXEMBOURG

Journée Mondiale de la Normalisation
World Standards Day

15.10
2025

IEC ISO ITU

INTERVENANTS

Pr. Dr. Pascal BOUVRY
Doyen
Faculté des Sciences,
des Technologies et de Médecine
Université du Luxembourg

M. Jérôme PETRY
Responsable de la cellule circularité
et technologies durables
Ministère de l'Économie

Dr. Jean-Philippe HUMBERT
Adjoint à la Direction
ILNAS

Mme Natalia VINOGRADOVA
Responsable de département
Normalisation
ANEC GIE

Mme Anna SANTURBANO
Chargée de mission
Normalisation
ANEC GIE

INTERVENANTS

Ms. Andreea GULACSI
Directrice
Policy & External Affairs
CEN and CENELEC

Dr. Grégoire DANOY
Maître assistant
Université de Luxembourg

M. Nicolas DOMENJOUD
Responsable
« TIC & Normalisation »
ILNAS/OLN

Dr. Lucas CICERO
Responsable
« Space, Conformity,
Education about Standardization »
ILNAS/OLN

AGENDA

13h30 – 14h00 : Accueil des participants

14h00 – 14h10 : Mot de bienvenue (FR)
Prof. Dr. Pascal Bouvry - *Université du Luxembourg*
Dr. Jean-Philippe Humbert - *ILNAS*

14h10 – 14h25 : Développements normatifs luxembourgeois (FR)
Dr. Jean-Philippe Humbert - *ILNAS*

Session 1 – Développement durable

14h25 – 14h45 : Le rôle de la normalisation pour l'économie et le développement durable du Grand-Duché de Luxembourg (FR)
M. Jérôme Petry - *Ministère de l'Économie*

14h45 – 15h05 : Présentation du Rapport sur la normalisation technique dans le domaine du développement durable (EN)
Mme Natalia Vinogradova - *ANEC GIE*
Mme Anna Santurbano - *ANEC GIE*

15h05 – 15h30 : Pause café

AGENDA

Session 2 - Recherche, éducation et normalisation technique

15h30 – 15h50 : Research, innovation, education, and technical standardization (EN)
Ms. Andreea Gulacsi – *CEN and CENELEC*

15:50 – 16:05 : Politique pour l'éducation et la recherche dans le cadre de la normalisation technique (FR)
Dr. Lucas Cicero – *ILNAS/OLN*

16:05 – 16:20 : Présentation des programmes de recherche ILNAS/SnT (FR)
Dr. Grégoire Danoy – *Université du Luxembourg*

16:20 – 16:35 : Education à la normalisation au Luxembourg : l'exemple du Master MTECH (FR)
M. Nicolas Domenjoud – *ILNAS/OLN*

ILNAS Standardization & Innovation Award

16:35 – 16:45 : Remise du prix « ILNAS Standardization & Innovation Award » (FR)
Dr. Jean–Philippe Humbert – *ILNAS*

16:45 – 17:00 : Présentation du projet récompensé
par le « ILNAS Standardization & Innovation Award » 2025

17:00 – 19:00 : Cocktail

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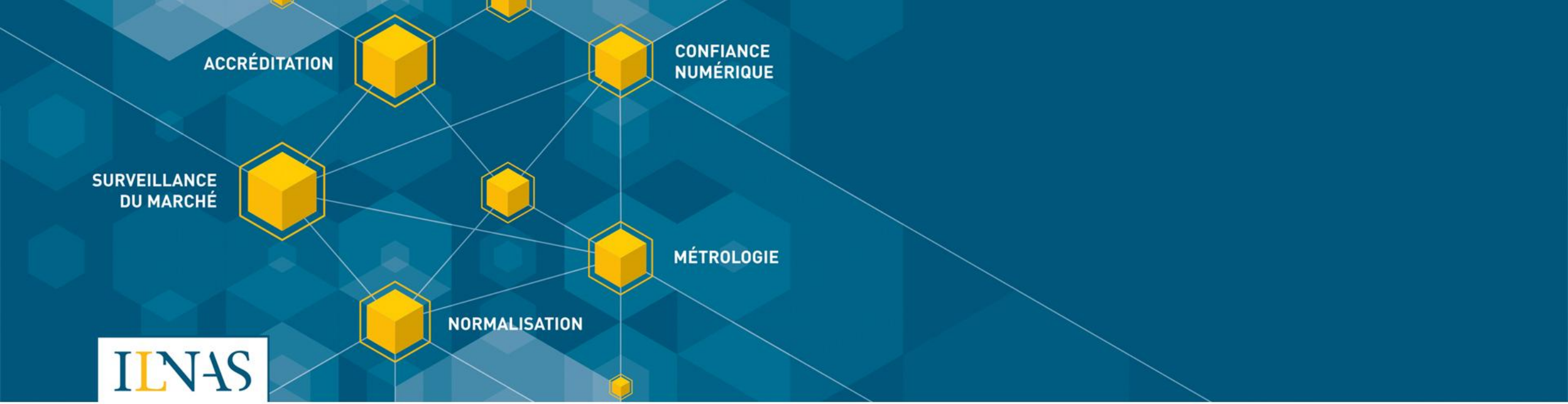
Mot de bienvenue (FR) - Word of welcome (EN)

Dr. Jean-Philippe Humbert – ILNAS
Prof. Dr. Pascal Bouvry – Université du Luxembourg



Standardization developments in Luxembourg

15th October 2025

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

I - INTRODUCTION OF ILNAS AND ANEC EIG

ILNAS

Public administration under the authority of the Minister of the Economy, SME, Energy and Tourism

Creation: Law of May 20, 2008

Legislation in force: amended Law of July 4, 2014 reorganizing ILNAS

Total staff: 64 (October 2025)

NATIONAL STANDARDS BODY (OLN)

- Total staff: 8
- Close collaboration with the E.I.G. ANEC-N

I - INTRODUCTION OF ILNAS AND ANEC EIG

ANEC

Economic Interest Group

Object: Promotion, awareness raising and training, applied research in the field of standardization and metrology in order to support companies' competitiveness in Luxembourg

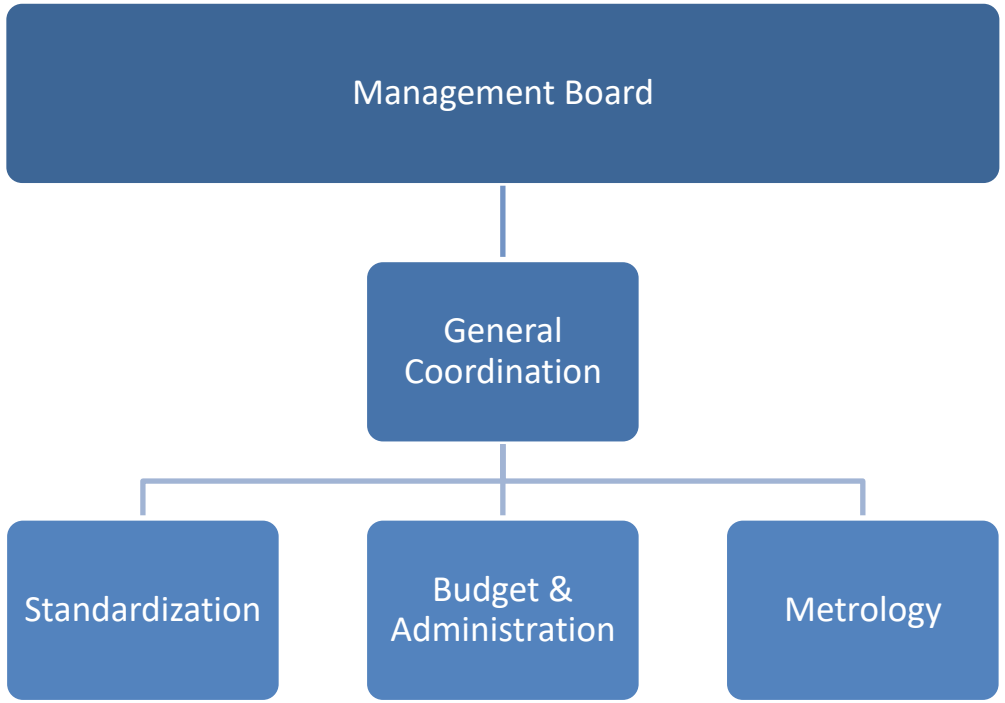
Creation: October 4, 2010

Total staff: 9 (October 2025)

Standardization department

- Total staff: 4

Partners:



➔ Support for the implementation of the Luxembourg standardization and metrology strategies

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

ILNAS

CHAMBRE DES METIERS Luxembourg

CHAMBRE DE COMMERCE LUXEMBOURG

II - NATIONAL STANDARDIZATION STRATEGY 2024-2030

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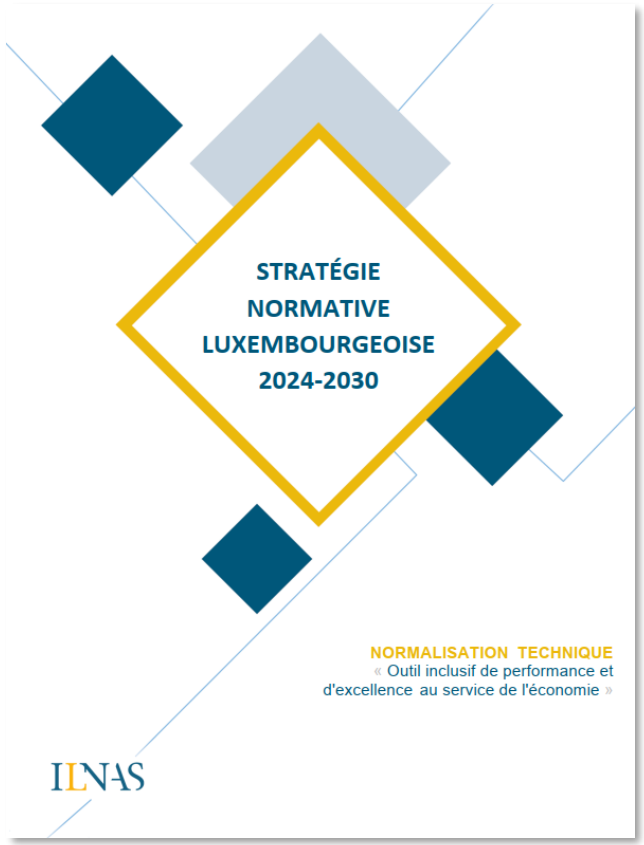


TECHNICAL STANDARDIZATION

"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

https://portail-qualite.public.lu/content/dam/qualite/publications/normalisation/2020/strategie-normative-luxembourgeoise-2020-2030.pdf

II - NATIONAL STANDARDIZATION STRATEGY 2024-2030

3 GROWTH SECTORS IDENTIFIED

CONSTRUCTION

INFORMATION AND COMMUNICATION TECHNOLOGIES

AEROSPACE

Computer Aided Design (CAD)
Building Information Modelling (BIM)
3D printing
...

Space data processing
Space traffic management
Smart Mobility
...

2 RELEVANT DOMAINS

2024

SUSTAINABILITY

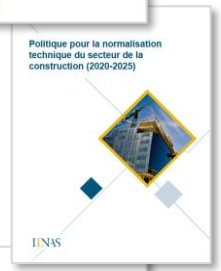
2022

CONFORMITY

III - STANDARDIZATION POLICIES – FOCUS ON THE SUSTAINABILITY DOMAIN

III - STANDARDIZATION POLICIES – FOCUS ON THE SUSTAINABILITY DOMAIN

Policy on technical standardization in the sustainability sector



"Foster and strengthen the national economic sectors involvement in standardization work"

1 Promoting technical standardization to the market

- Identify national needs in terms of standardization developments
- Carry out an identification of relevant standards
- Disseminate and promote standardization information to stakeholders

2 Reinforcing the valorization and the involvement regarding technical standardization

- Monitoring of relevant technical committees
- Carry out a monitoring of regulatory aspects in relation to standardization
- Promote the participation of the national market in technical committees and the use of appropriate standards identified

3 Supporting and strengthening the Education about Standardization and the related research activities

All policies are based on similar lead projects – **They will be updated by the end of the year, for the period 2026-2030**

III - STANDARDIZATION POLICIES – FOCUS ON THE SUSTAINABILITY DOMAIN

Current coverage

✓ 11 sub-domains monitored from a standardization point of view

- Circular economy
- E-waste
- Sustainable and smart mobility
- Hydrogen
- Sustainable construction and renovation
- Sustainable and smart cities
- Ecodesign and energy efficiency in ICT & Green ICT
- High Performance Computing
- Air and Carbon Capture, Utilization and Storage
- Ecodesign, production and materials
- Environmental management and energy efficiency

Monitoring of 78 technical committees

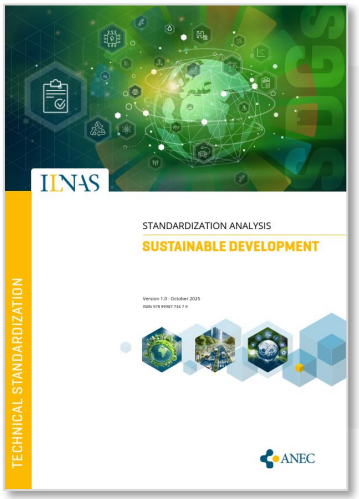
CEN CENELEC ETSI ISO IEC ITU

III - STANDARDIZATION POLICIES – FOCUS ON THE SUSTAINABILITY DOMAIN

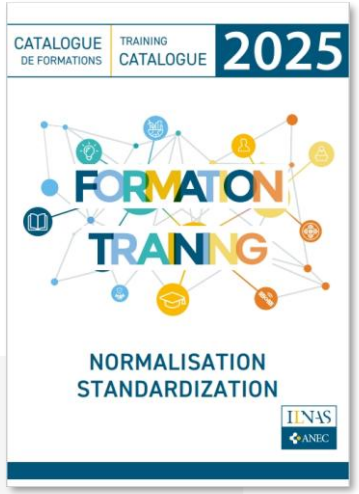
Recent developments

New technical sheets

- Environmental Life Cycle Assessment
- Ecodesign
- Environmental Aspects of Plastics
- General Energy Management
- General Greenhouse Gas Management



Standardization Analysis “Sustainable Development” (15/10/2025)



Trainings and Awareness sessions

- Environmental Management and technical standardization
- Technical standards on sustainable mobility
- Technical standards on hydrogen technologies

https://portail-qualite.public.lu/fr/normes-normalisation/secteurs/developpement-durable.html

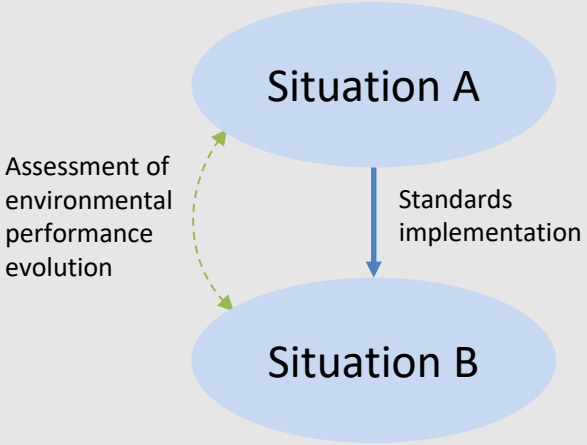
III - STANDARDIZATION POLICIES – FOCUS ON THE SUSTAINABILITY DOMAIN

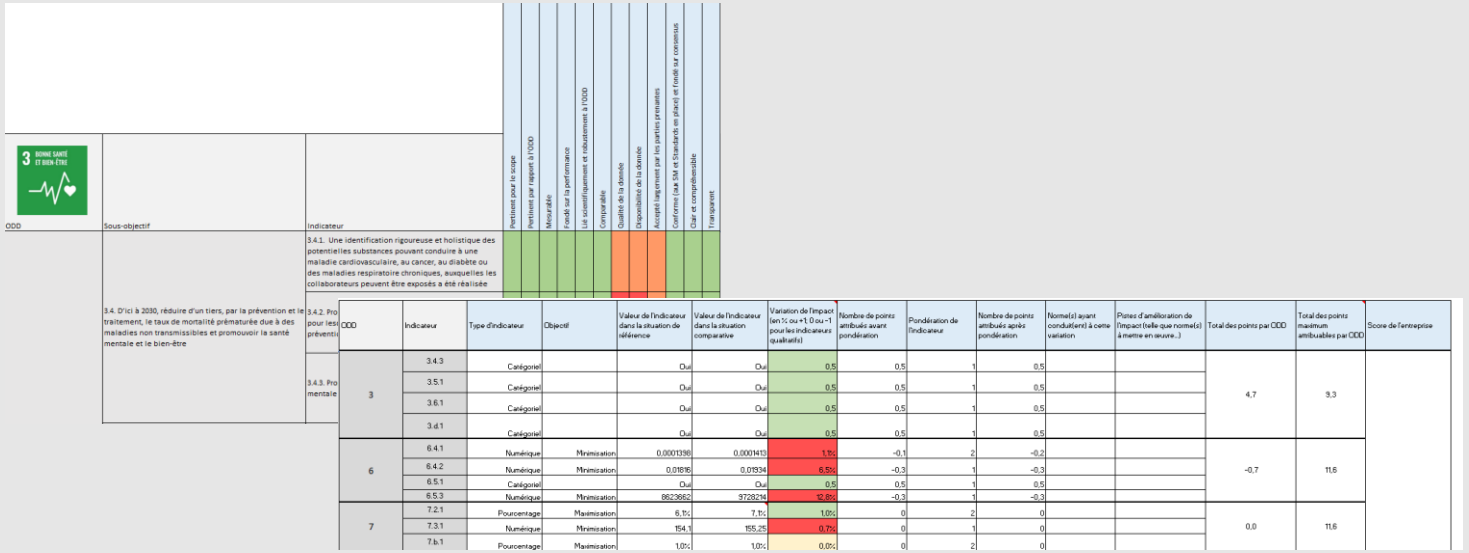
Recent developments

Internships results (2024)

→ **Subject :** Development of a methodology to assess the environmental impact of standardization inside an organization

→ Based on SDGs and linked to standards through indicators





ODD	Indicateur	Type d'indicateur	Objectif	Valeur de l'indicateur dans la situation de référence	Valeur de l'indicateur dans la situation comparative	Variation de l'impact (en % ou +1, 0 ou -1 pour les indicateurs qualitatifs)	Nombre de points attribués avant pondération	Pondération de l'indicateur	Nombre de points attribués après pondération	Norme(s) ayant conduit(ent) à cette variation	Pistes d'amélioration de l'impact (telle que norme(s) à mettre en œuvre...)	Total des points par ODD	Total des points maximum attribuables par ODD	Score de l'entreprise
3	3.4.3	Catégoriel		Oui	Oui	0,5	0,5	1	0,5			4,7	9,3	
	3.5.1	Catégoriel		Oui	Oui	0,5	0,5	1	0,5					
	3.6.1	Catégoriel		Oui	Oui	0,5	0,5	1	0,5					
	3.d.1	Catégoriel		Oui	Oui	0,5	0,5	1	0,5					
6	6.4.1	Numérique	Minimisation	0,0001398	0,0001413	1,1%	-0,1	2	-0,2			-0,7	11,6	
	6.4.2	Numérique	Minimisation	0,01816	0,01934	6,5%	-0,3	1	-0,3					
	6.5.1	Catégoriel		Oui	Oui	0,5	0,5	1	0,5					
	6.5.3	Numérique	Minimisation	8623662	9728214	12,8%	-0,3	1	-0,3					
7	7.2.1	Pourcentage	Maximisation	6,1%	7,1%	1,0%	0	2	0			0,0	11,6	
	7.3.1	Numérique	Minimisation	154,1	155,25	0,7%	0	1	0					
	7.b.1	Pourcentage	Maximisation	1,0%	1,0%	0,0%	0	2	0					

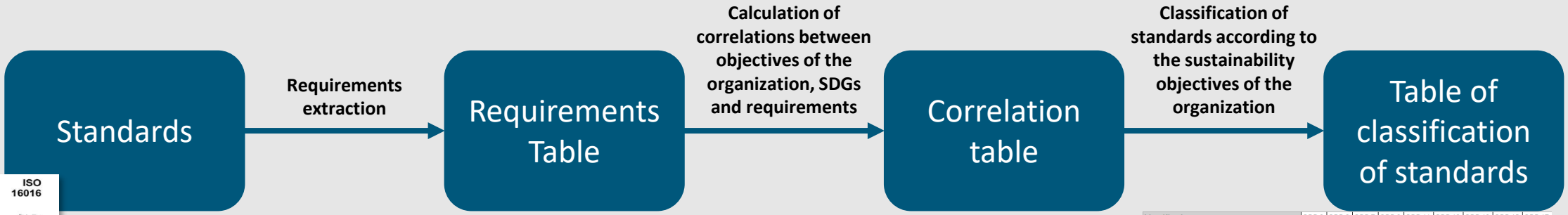
III - STANDARDIZATION POLICIES – FOCUS ON THE SUSTAINABILITY DOMAIN

Recent developments

Internships results (2025) – Follow-up of the 2024's internship

→ **Subject :** Initiate a guidance document to audit organizations based on the methodology developed in 2024. Enhancement of the tool developed in 2024:

- √ New feature helping in the identification of relevant standards to improve the environmental performance
- √ Establish correspondences between objectives of the organization, SDGs and standards' requirements



ISO 45001	Système de management de la santé et de la sécurité au travail.	0.77059765	0.425193062	0.341
ISO 31000	Lignes directrices pour la gestion des risques.	0.461359325	0.297122545	0.376
ISO 26000	Lignes directrices sur la responsabilité sociétale.	0.405925653	0.328762506	0.259
ISO 14001	Systèmes de management environnemental.	0.613522331	0.494273628	0.547
ISO 22000	Systèmes de management de la sécurité des denrées alimentaires.	0.664731181	0.504038186	0.482
ISO 10075	Principes ergonomiques relatifs à la charge de travail mental.	0.806363622	0.507549352	0.521
OMS -(CCLAT)	Cadre de la Convention-cadre de l'OMS pour la lutte antitabac.	0.477909158	0.158832341	0.241
SA 8000	Norme de responsabilité sociale.	0.64325308	0.43285274	0.313
REACH	Règlement de l'UE sur l'enregistrement, l'évaluation, l'autorisation et la restriction des substances chimiques.	0.314105011	0.1771071	0.127
ISO 46001	Systèmes de management de l'efficacité de l'eau.	0.843354427	0.963077492	0.713
ISO 24513	Terminologie pour les services d'eau potable et d'assainissement.	0.532611674	0.510336423	0.465
ISO 24516	Lignes directrices pour la gestion des actifs des services d'eau potable et d'assainissement.	0.533641075	0.732475509	0.483
ISO 24521	Activités de gestion des services d'assainissement.	0.753626622	0.777056148	0.50
ISO 24510	Lignes directrices pour l'évaluation et l'amélioration des services d'eau potable et d'assainissement.	0.487919336	0.649360557	0.512
ISO 16075	Lignes directrices pour l'utilisation des eaux usées traitées en irrigation.	0.602038762	0.856658233	0.446
ISO 10677-1	Specifications pour les équipements de protection individuelle.	0.748168846	0.559272986	0.574
AWS	Norme pour la gestion responsable de l'eau.	0.433193493	0.684580751	0.444
ISO 50000(serie)	Normes de management de l'énergie.	0.726108635	0.590193953	0.869
ISO 50001	Systèmes de management de l'énergie.	0.723866025	0.52176623	0.740
ISO 50002	Audit énergétique.	0.512218385	0.640609402	0.612
ISO 50003	Exigences pour les organismes de certification des systèmes de management de l'énergie.	0.586142548	0.464081578	0.572
ISO 50015	Mesure et vérification de la performance énergétique.	0.657121313	0.495806377	0.34

Identification	ODD 3	ODD 6	ODD 7	ODD 9	ODD 11	ODD 12	ODD 13	ODD 15	ODD 17
ISO 45001	0	0	0	0	0	0	1	0	0
ISO 31000	0	0	1	1	0	0	0	0	0
ISO 26000	0	0	1	1	0	1	0	0	0
ISO 14001	0	0	0	0	1	1	1	1	1
ISO 22000	0	0	0	1	0	0	0	0	0
ISO 10075	0	0	0	1	0	0	0	0	0
OMS -(CCLAT)	1	0	1	1	0	0	0	0	0
SA 8000	1	0	0	1	0	1	0	0	0
REACH	0	0	1	1	0	1	0	0	0
ISO 46001	1	1	1	1	1	1	1	1	1
ISO 24513	0	0	1	1	0	1	0	0	0
ISO 24516	0	1	0	0	0	0	0	0	0
ISO 24521	0	1	0	0	0	0	0	0	0
ISO 24510	0	1	0	0	0	0	0	0	0
ISO 16075	0	1	0	0	0	0	0	0	0
ISO 10677-1	0	0	1	0	1	1	0	1	1
AWS	0	1	0	0	0	0	0	0	0
ISO 50000(serie)	0	1	1	1	1	0	1	1	0
ISO 50001	0	0	1	1	1	1	1	1	0
ISO 50002	0	1	1	0	0	0	0	0	0
ISO 50003	0	0	1	1	0	0	0	0	0
ISO 50015	1	0	0	1	0	1	0	0	0
ISO 14064	0	0	0	0	1	1	0	1	1
ISO 17742	0	0	1	0	0	0	0	0	0
ISO 13273	0	0	1	0	0	0	0	0	0
ISO 9001	0	1	0	1	1	1	1	1	1
ISO 20400	0	1	0	1	1	1	1	1	1
ISO 14067	0	0	1	1	0	1	0	0	0

➢ **Ongoing improvement of the tools developed to propose a new product/service**

- **Research program ILNAS/Uni.lu-SnT (2025-2028)**

ICT | Construction | Aerospace

Sustainability

Artificial Intelligence

Quantum Technologies

Sustainable Development

People-centered-design

Resistance to natural disasters

Aerospace

IV – EDUCATION ABOUT STANDARDIZATION AND RESEARCH – OTHER DEVELOPMENTS

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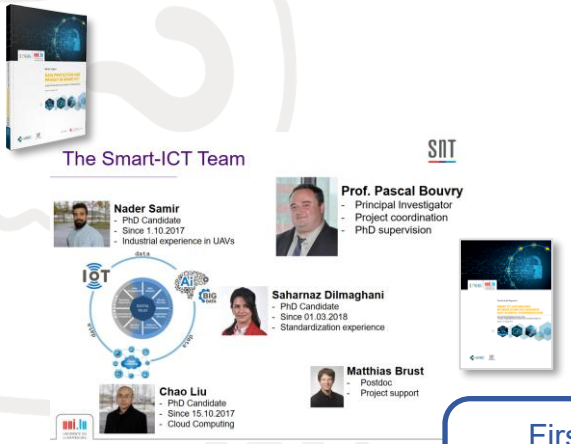


2010

First national standardization strategy (2010-2020)

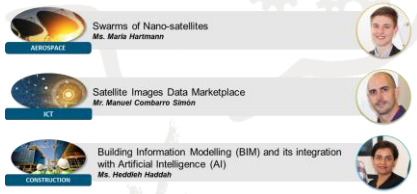
One pilar dedicated to Education about Standardization
"*University training curricula in standardization will be specifically produced, in collaboration with the University of Luxembourg*"

2015

University Certificate degree
"*Smart ICT for Business Innovation*"
(2015-2019)

2017

First research program "*Technical Standardisation for Trusted Use in the Field of Smart ICT*" (2017-2020)

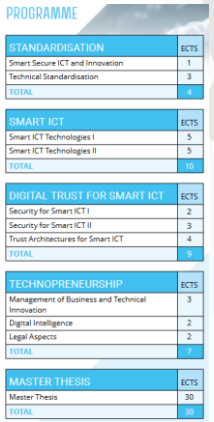


2021

Second research program "*Technical Standardisation for Trustworthy ICT, Aerospace, and Construction*" (2021-2024)

2021

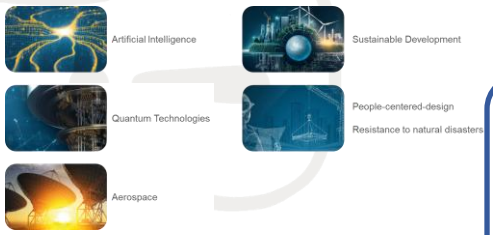
University Master degree
"*Technopreneurship: mastering smart ICT, standardisation and digital trust for enabling next generation of ICT solutions*" (2021-…)



With the support of:

2025

Third research program "Technical Standardisation for Trustworthy and Sustainable ICT, Construction and Aerospace" (2025-2028)



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Le rôle de la normalisation pour l'économie et le développement durable du Grand-Duché de Luxembourg

Jérôme Petry – Ministère de l'Économie

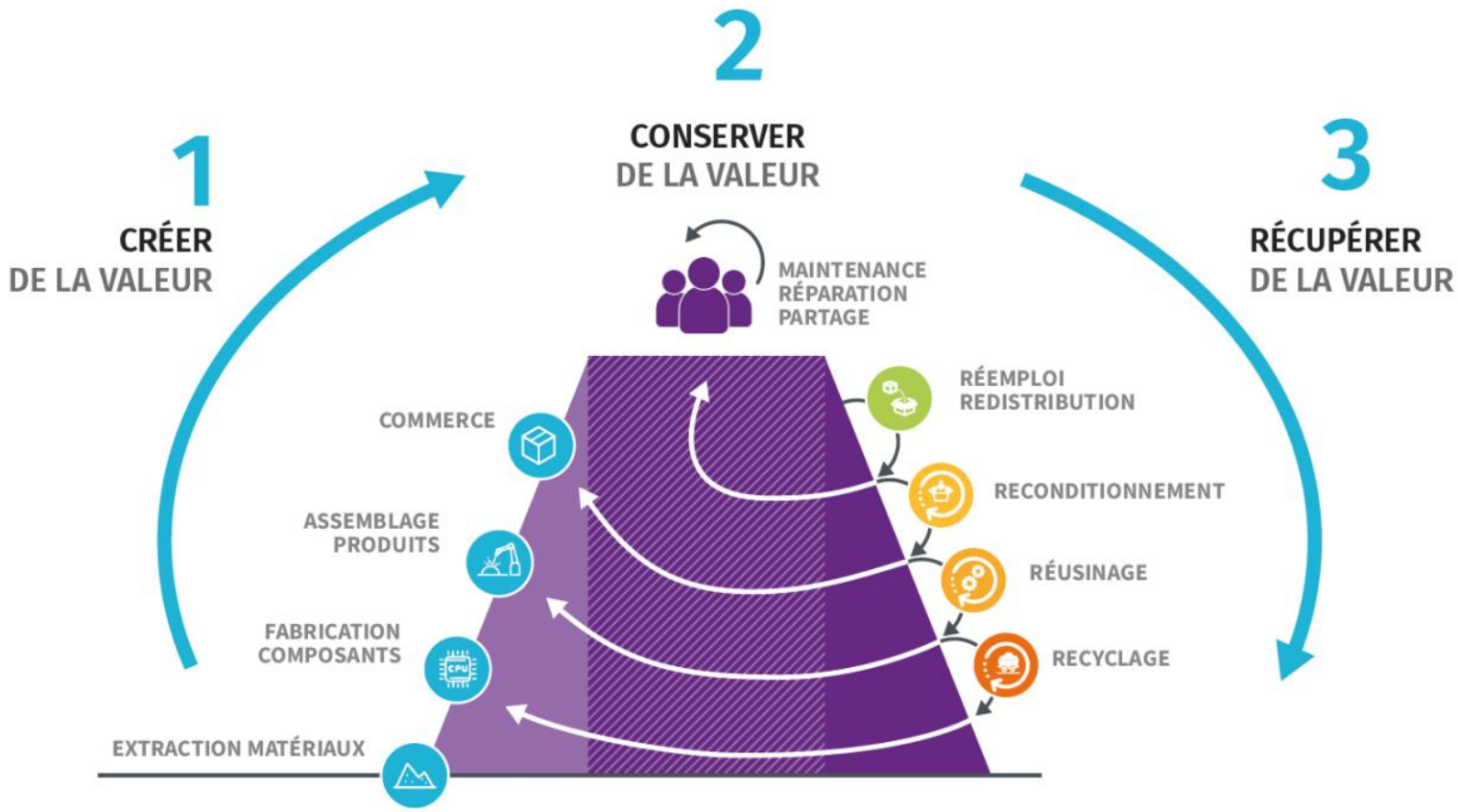
15 octobre 2025

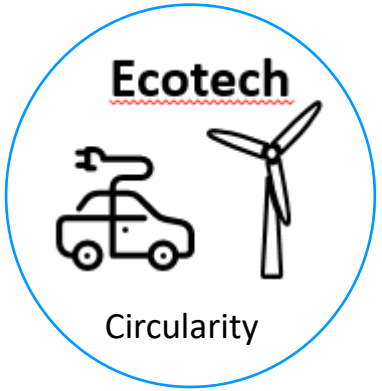
LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Économie

Economie circulaire – “Value Hill”

Stratégie nationale économie circulaire (2021):

1. **La création de valeur**
2. **La longévité d’un produit (conservation de valeur)**
3. **La valorisation des composants (récupération de valeur)**





“Data driven sustainability”

- Économie circulaire->PCDS
- Chaînes de valeurs résilientes et durables

Sous-secteurs:

- Eau
- Construction
- Énergie
- Smart City
- Urban Farming
- Smart Mobility

Terra Matters GIE (www.pcds.com)

Promotion & support de la transition vers une économie circulaire en développant, gérant et promouvant le PCDS:
- Système d’échange de données pour communiquer sur les propriétés circulaires de produits

TerraMatters

Neobuild GIE (www.neobuild.lu)

Pôle d'innovation technologique du secteur de la construction durable
- Construction 4.0
- Construction circulaire

neobuild

Economie circulaire – PCDS – ISO 59040

- Relation fournisseur – client en vue de l'obtention d'un PCDS par produit
- Echange de données de manière indirecte en utilisant des "statements" binaires (vrai/faux)
- Création de templates (données génériques pour tout secteur et détail sectoriel)
- Maintien preuves
- Terminologie claire autour de divers concepts circulaires (se basant sur ISO 59004)

Programme de certification finalisé au niveau national et besoin de demande du marché pour sa mise en oeuvre

Source: ISDI Group

Automotive Campus Bissen

Parking Circulaire - Incubateur

Parking démontable et modulable
Mock-up réutilisé dans le produit final
Extension possible

Incubateur circulaire
Efficience énergétique
Mur intérieur en Géobloc de terre crue
Optimisation empreinte carbone

Pavillon Luxembourg Expo Osaka 2025

Doki-Doki

Pavillon circulaire
Réemploi: structure en béton, structure en acier, panneau de bois et toile
Utilisation du PCDS

Economie circulaire – ISO/TC323 initiatives

- Lancement du WG6 en vue d'une norme de management de l'économie circulaire "59001"
- Technical reports: TR59031 (value networks) & TR59032 (case studies)
- Comité miroir national TC323

ISO 59004

Circular economy
Vocabulary, principles and guidance for implementation

ISO 59010

Circular economy
Guidance on the transition of business models and value networks

ISO 59020

Circular economy
Measuring and assessing circularity performance

ISO 59040

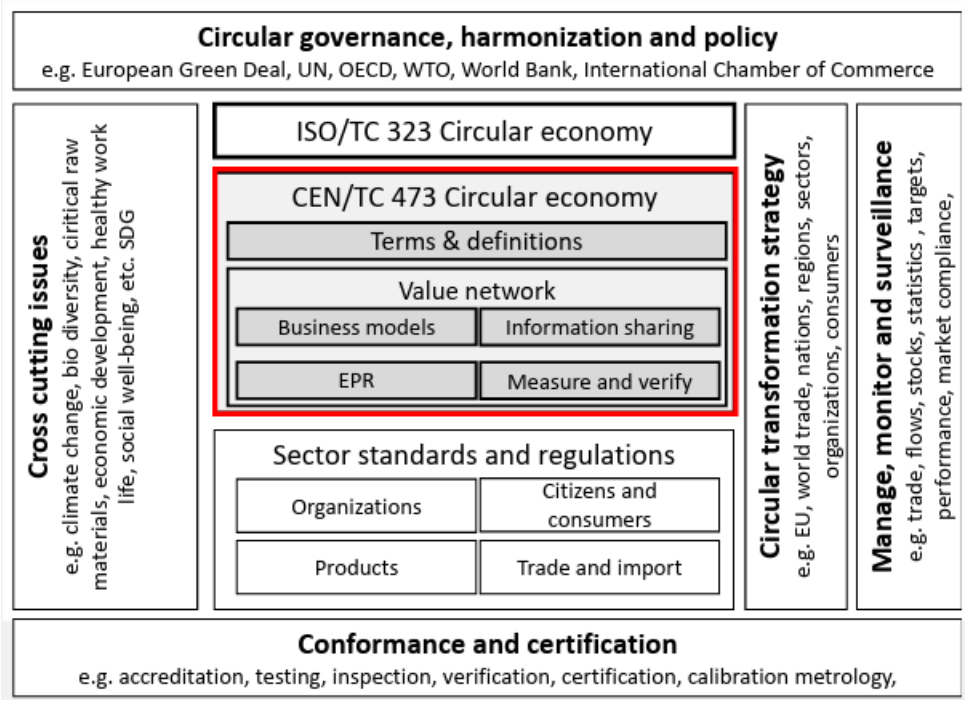
Circular economy
Product Circularity Data Sheet

ISO 59014

Environmental management and circular economy
Sustainability and traceability of secondary materials recovery – Principles, requirements and guidance

Economie circulaire – CEN/CENELEC

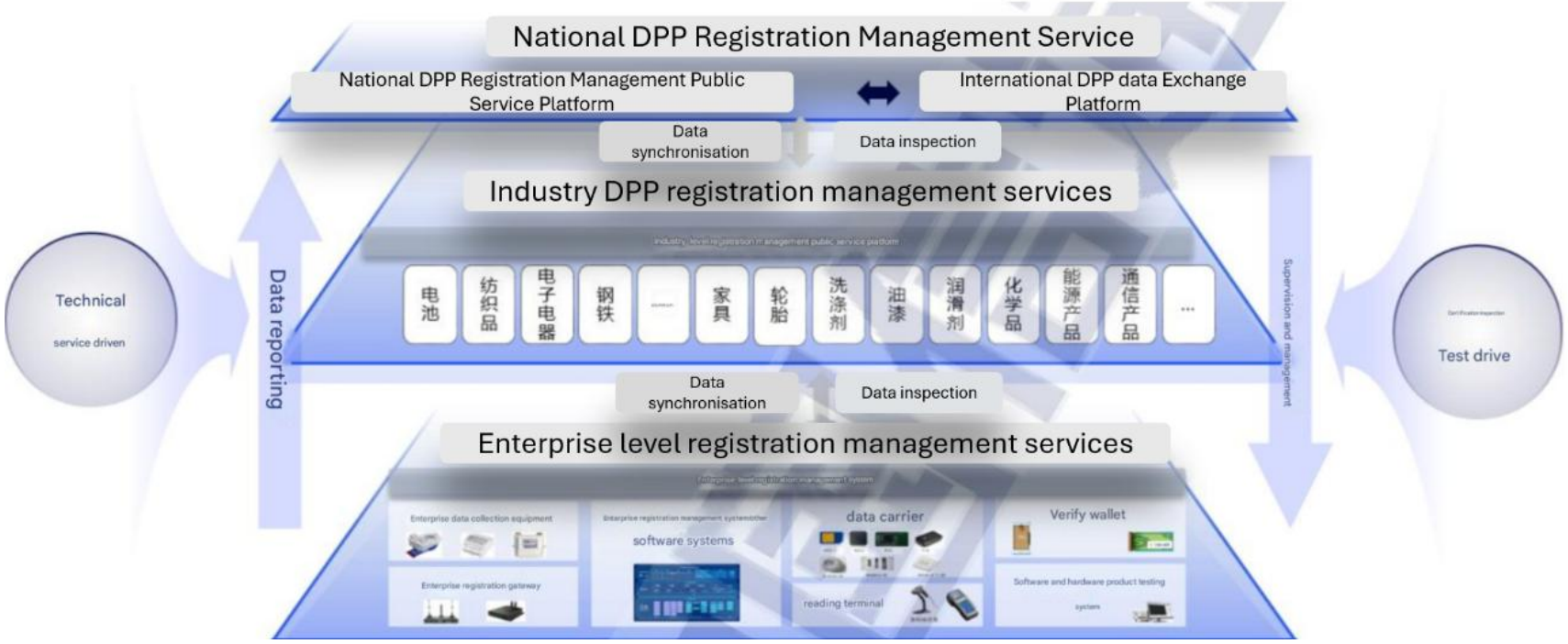
- JTC 24 – groupe commun entre le CEN et CENELEC pour répondre au “standardization request” de la commission européenne pour définir toutes l’infrastructure du Digital Product Passport (DPP)
- CEN COG Circular Economy (former SABE CE-TG)
- CEN/CLC COG Ecodesign
- CEN TC473 – porte tous les sujets de l’économie circulaire et transpose au niveau européen les norms sous l’ISO TC323
- CEN TC-350 SC1 “circular economy in the construction sector”



COG = Coordination Group
SABE CE-TG = strategic advisory board on environment circular economy task group

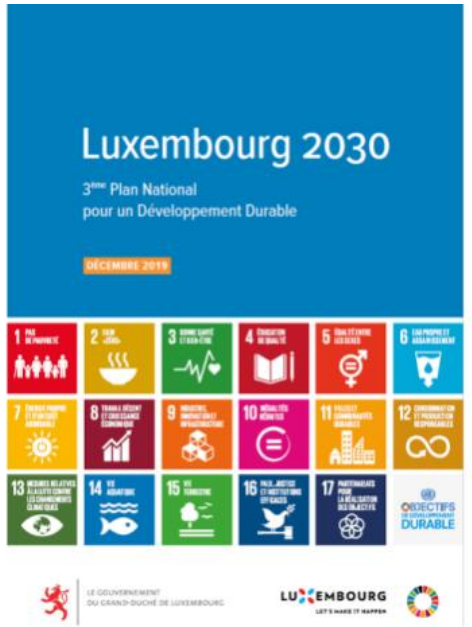
Economie circulaire – Autres intiatives

- UNECE / UNTP 49: Recommandation n° 49 de la CNUCED et au Protocole de Transparence des Nations Unies. Créer un cadre politique qui fournit des orientations pour la mise en œuvre de la traçabilité et de la transparence via l'utilisation de passeports numériques afin d'assurer l'interopérabilité
- Au niveau ISO – possible création d'un JTC ISO/IEC qui met en avant les DPP comme pendant au CEN/CENELEC JTC24
- Le Sujet DPP devient important aussi pour d'autres économie comme p.ex. la Chine

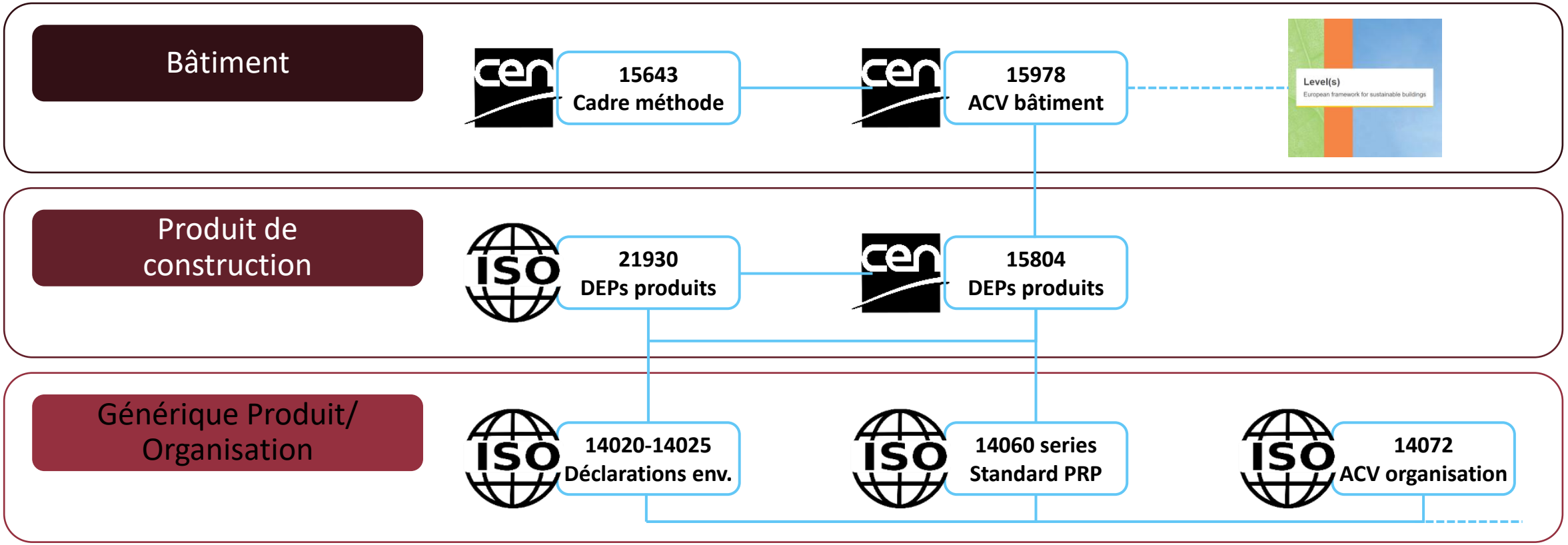


Economie circulaire – Commission Européenne

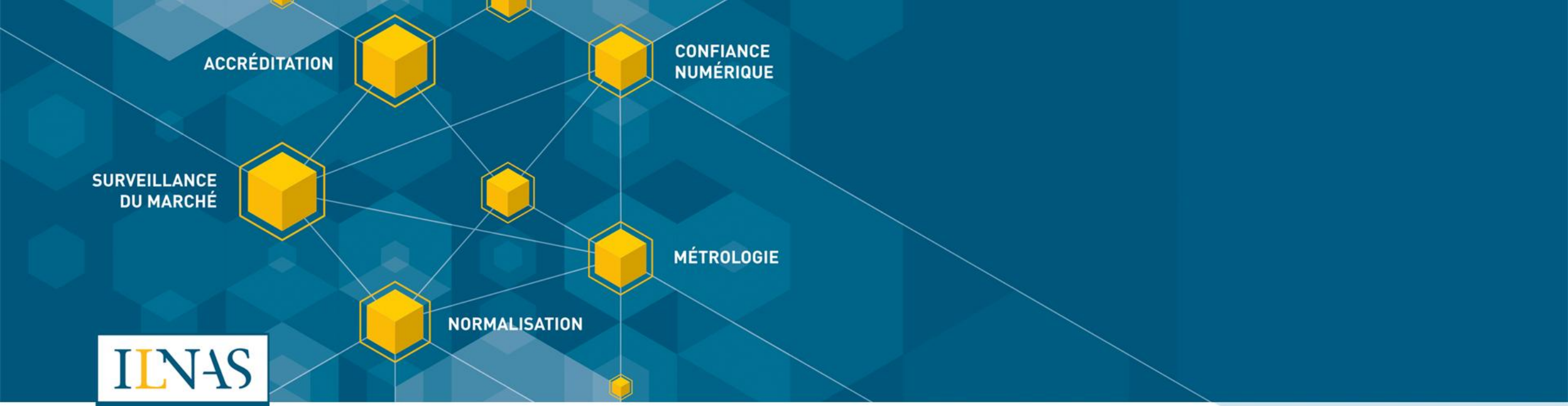
- ESPR – Eco Design for Sustainable products
- DPP – Digital Product Passports
- European Battery Regulation
- CRMA – Critical Raw Material Acts
- NZIA – Net Zero Industrial Act
- Marchés publics
- Indices de réparabilité
- Critères de durabilité
- Contenu recycle et recyclable
- ODD objectifs de développement durable
  -> retranscrit dans le 3e plan national pour un développement durable (PNDD)



Feuille de route construction bas carbone



La feuille de route nécessite **l'application de normes à différents niveaux**, depuis les **produits** de construction jusqu'aux **bâtiments**, en passant par les **organisations**.



ILNAS

ANEC

Standardization analysis: Sustainable development

Overview

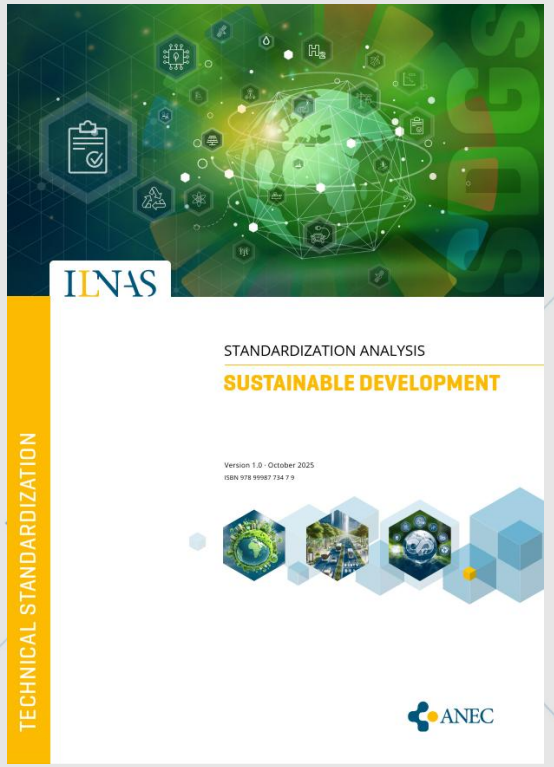
Natalia Vinogradova / Anna Santurbano

15.10.2025

Standardization analysis: Sustainable development

Report objectives

Politique pour la normalisation technique du domaine du développement durable (2024-2026)



1 Promoting technical standardization

- ✓ Identify relevant technical committees
- ✓ Present key published standards and ongoing projects addressing domain challenges

2 Reinforcing the valorization of standardization and the involvement of stakeholders in order to support sustainable development goals

- ✓ Explore the link between technical standardization and sustainable development
- ✓ Identify key challenges and the supporting standardization activities
- ✓ Analyze regulatory context and make connections with the identified standardization activities

3 Supporting innovation through standardization, research and education

- ✓ Prepare the ground for the follow-up research activities

Contributors

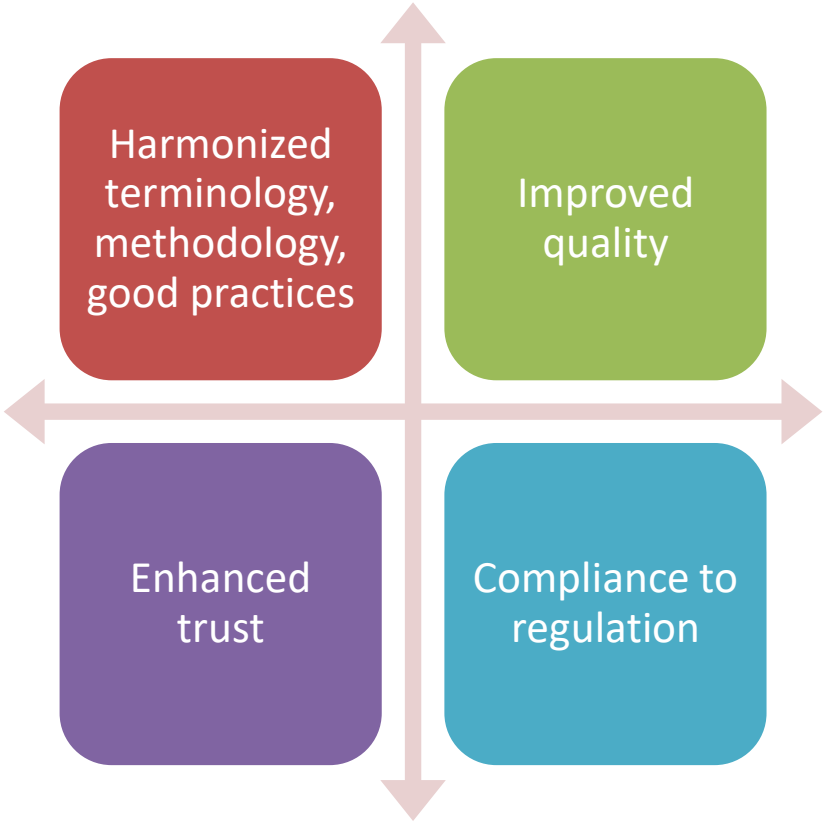
THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy

Standardization analysis: Sustainable development

Motivation for the report

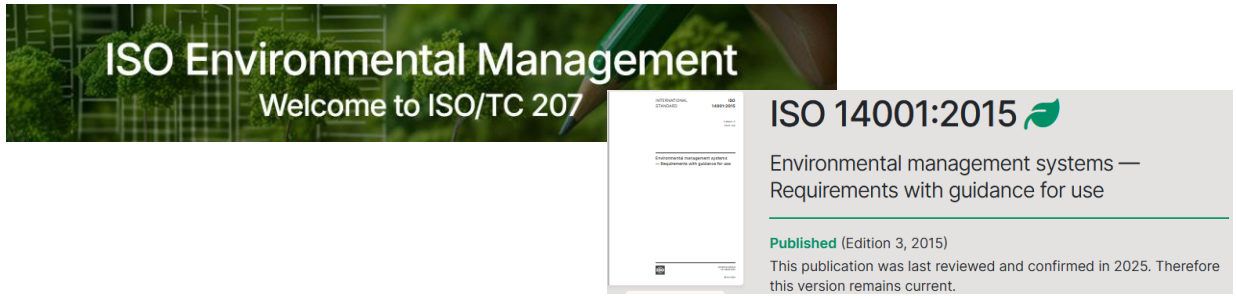
Importance of sustainable development

Benefits of standards



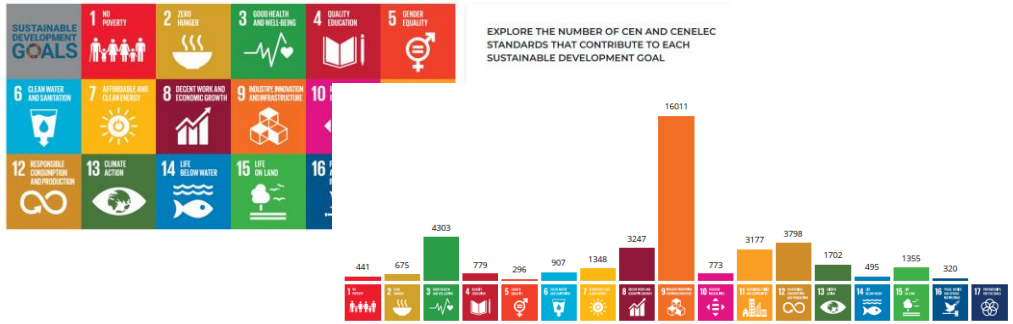
Standardization analysis: Sustainable development

Standardization and sustainable development



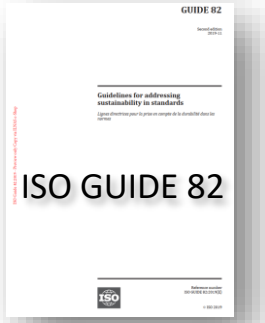
- **Strategic shift in standardization organizations to tackle sustainable development**
  - First dedicated technical committee established in 1993:
    ISO/TC 207 – Environmental Management
  - First ISO environment-related standard published in 1996:
    ISO 14001:1996 – Environmental management systems — Specification with guidance for use

- **Tools developed to explore standards per SDG**



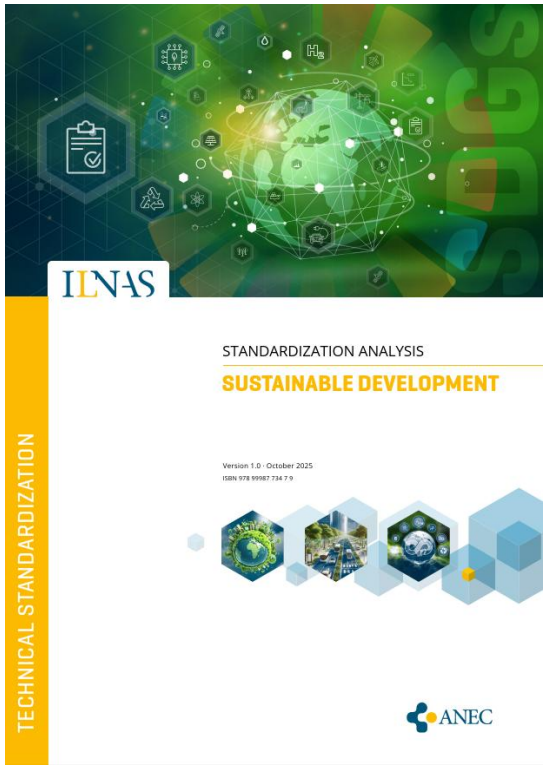
- **Sustainability considerations embedded into standardization scope and drafting**
  - ISO requires mapping of each new standard to relevant SDGs
  - Retroactive mapping applied to existing standards

- **Advisory groups and strategic committees guide sustainability integration**
  - CEN/CENELEC/COG Circular Economy
  - CEN/CENELEC/COG Environment
  - CEN/CENELEC/SAG Action Plan for Climate change
  - ISO/TMBG/ESG_CC Coordinating Committee



Standardization analysis: Sustainable development

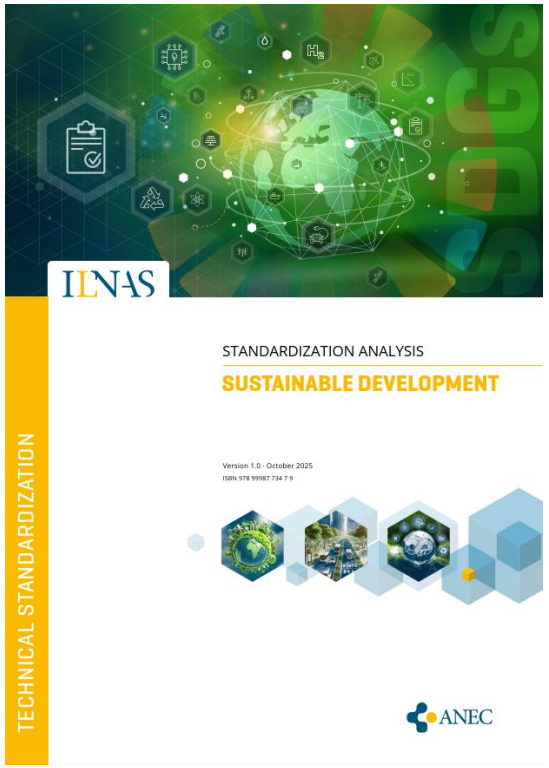
Content - Covered topics



1. **Introduction to sustainable development**
2. **Technical standardization in support of the SDGs**
3. **Overview of sustainable development activities at European and national level**
   - Environmental management
   - Energy efficiency and management
   - Circular economy
   - Sustainable construction
   - Hydrogen technologies
   - Sustainable mobility
   - Green ICT
   - E-waste
4. **How to use and access standards**
5. **How and why contribute to standardization in sustainable development**
6. **ILNAS support to national stakeholders**

Standardization analysis: Sustainable development

Topics presentation



Section 3: Overview of sustainable development activities at European and national level

- Topics
  - Environmental management
  - Energy efficiency and management
  - Circular economy
  - Sustainable construction
  - Hydrogen technologies
  - Sustainable mobility
  - Green ICT
  - E-waste
- Content of each sub-section
  - Background
  - Challenges of the sector
  - Policies and strategies: European and national
  - Legal frameworks: European and national
  - Technical standardization activities: relevant committees and standards, impact on national economy

Standardization analysis: Sustainable development

Topic example - Environmental management

Background

- Climate change
- Pollution and waste
- Nature and biodiversity loss

↓

Need for mitigation

Challenges

- Skills
- Stakeholder collaboration (e.g. along the supply chain)
- Organizational culture

…

Technical Standardization

Environmental Management

- **Consistent and internationally recognized tools, accessible to all**
- Support to all organizations in implementing **credible and effective environmental management practices**
- Main standards developed by technical committee **ISO/TC 207** and its 6 subcommittees
- Adoptions on European level by **CEN/SS S26**
- Topics covered by standardization:
  - Environmental Management Systems
  - Environmental Auditing
  - Communication on Environmental Aspects
  - Life Cycle Assessment
  - Environmental Performance Evaluation
  - Quantification & Reporting of Greenhouse Gas Emissions
  - Transition to Net Zero
  - Adaptation to Climate Change
  - …

Policies and Strategies

- The European Green Deal
- 8th Environment Action Programme
- Plan national pour un développement durable (PNDD)

…

Legal Frameworks

- Regulation (EU) 2021/1119 establishing the framework for achieving climate neutrality (“**European Climate Law**”)
- Regulation (EC) No 1221/2009 on the voluntary participation by organisations in a Community eco-management and audit scheme (**EMAS**)
- Directive 2010/75/EU on industrial and livestock rearing emissions (**IED**)
- Directive (EU) 2022/2464, as regards corporate sustainability reporting (**CSRD**)

…

Standardization analysis: Sustainable development

Other topics - Overview

Energy Efficiency & Management

Topics :

- Energy Management Systems
- Energy Audits
- Energy Performance Measurement
- Valuation of Energy Related Investments (VALERI)
- …

Sustainable Construction

Topics :

- Environmental Product Declaration & Material Characteristics
- Energy Performance of Buildings
- Performance Indicators & Assessment
- …

Circular Economy

Topics :

- Product Design
- Recycling Practices
- Transparency & Reporting
- Impact Assessment & Performance
- Supply Chain
- …

Hydrogen Technologies

Topics :

- Hydrogen Production & Safety
- Storage & Transportation Infrastructure
- Hydrogen End Use
- …

Standardization analysis: Sustainable development

Other topics - Overview

Sustainable Mobility

Topics :

- Environmental Considerations & Alternative Energy Sources
- Efficient Use of Resources & Infrastructure
- Safety & Security
- …

Green ICT

Topics :

- ICT Infrastructure Design
- Energy Consumption
- Resource Optimization
- E-Waste & Lifecycle Management
- …

E-Waste

Topics :

- Extraction of Toxic Substances
- Reduction of E-Waste Generation & Ecodesign
- Infrastructure & Processes related to E-Waste Recycling & Resource Recovery
- …

Standardization analysis: Sustainable development

Getting involved in a standard project

- The sooner you get involved in the process, the more you can act on the content
- As the draft progresses, modifications will be more and more on form and less on content


NEW WORK ITEM PROPOSAL (N

POSAL

ish title Click or tap here to enter text.

PE

or tap here to enter text.

POSE AND JUSTIFICATION

or tap here to enter text. (Please use this field or attach an annex)

ATION OF THE PROPOSAL TO EXISTING INTERNATIONAL STANDARDS AND ON-GOIN
NDARDIZATION WORK

ct any UN Sustainable Development Goals (SDGs) that this proposed project would
ort (information about SDGs, is available at www.iso.org/SDGs) and explain how the propos
ment relates to the identified SDG(s) and their associated targets.

GOAL 1: No Poverty

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GOAL 2: Zero Hunger

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GOAL 3: Good Health and Well-being

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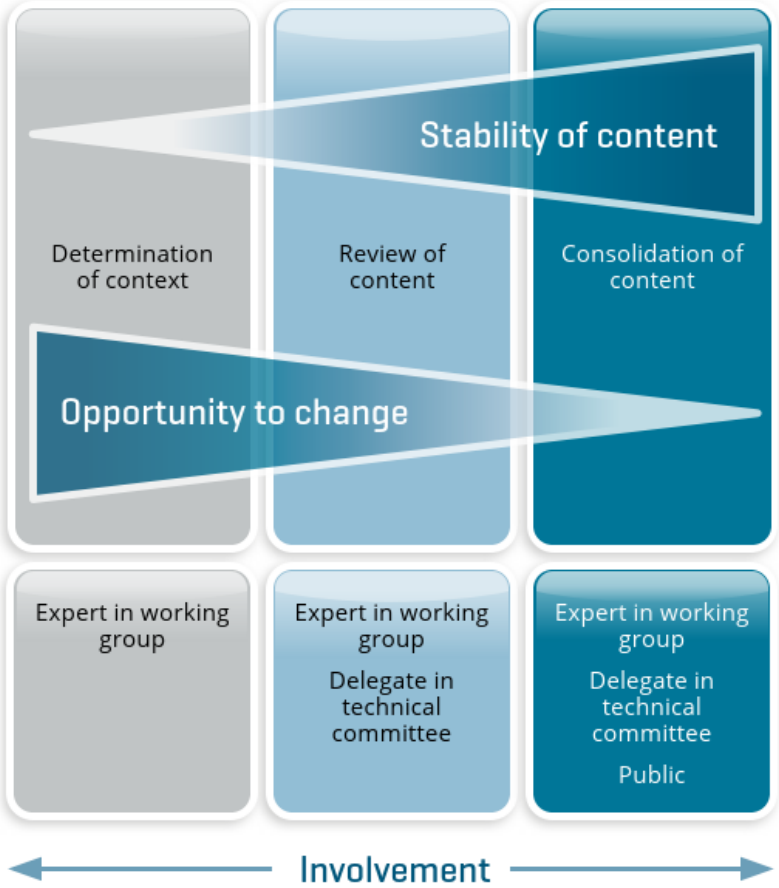
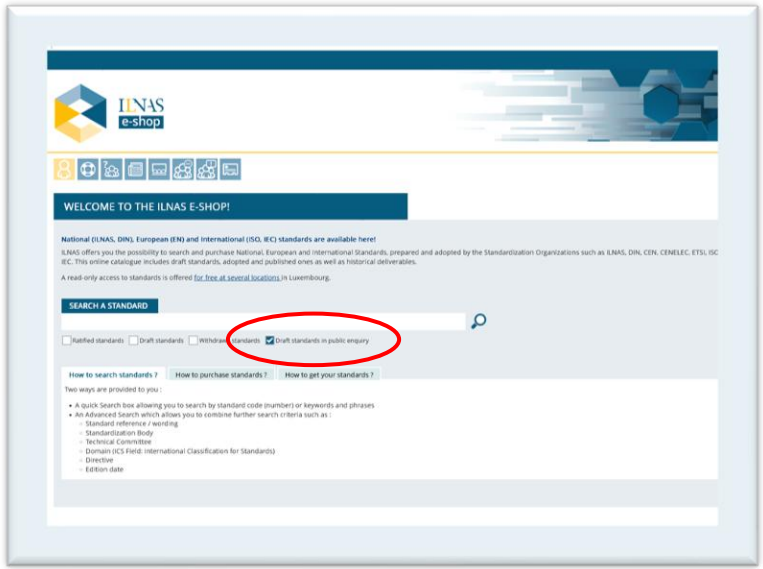
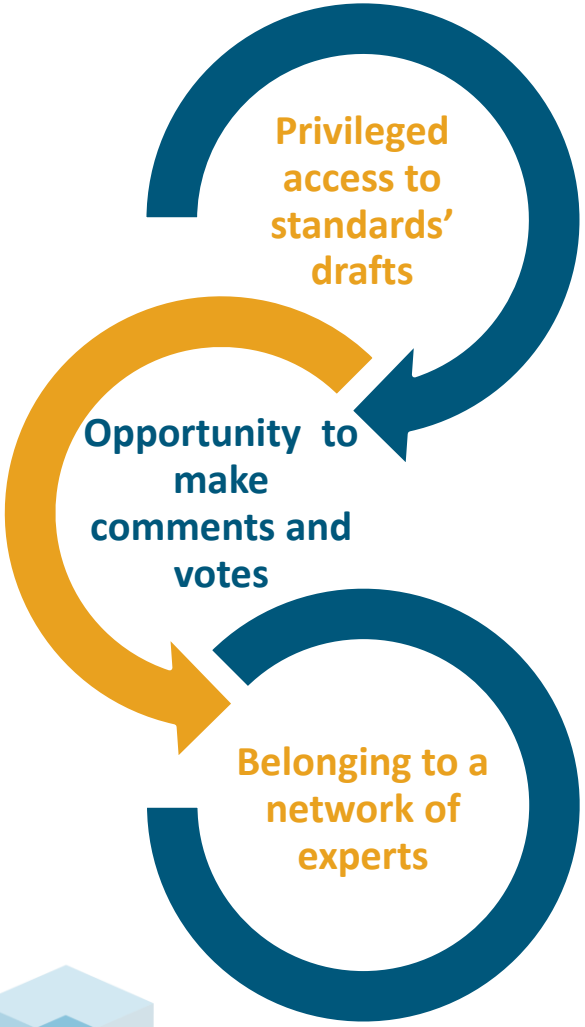




Standardization analysis: Sustainable development

Benefits to active participation to standardization



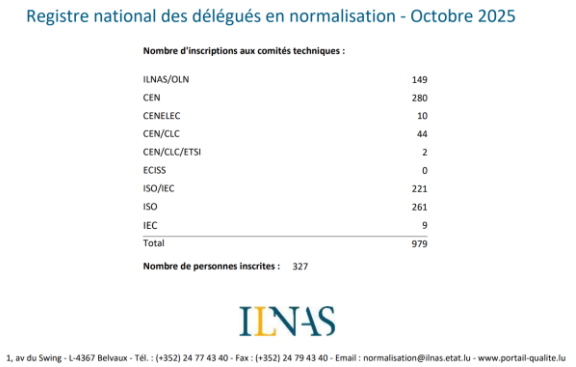
- Live monitoring of the development of standardization projects
- Analyze the ongoing projects
- Anticipate future rules and best practices

- Defend the interests of your business
- Spread and promote your innovations
- Valuate your know-how as best practices which could become a reference in the sector

- Learn about your competitors and their positions during the meetings
- Collaborate in order to defend common interests
- Promote your business and your competencies at national and international level

Key figures (October 2025)

- 327 experts
- 979 subscriptions



Registre national des délégués en normalisation - Octobre 2025

Nombre d'inscriptions aux comités techniques :

ILNAS/OLN	149
CEN	280
CENELEC	10
CEN/CLC	44
CEN/CLC/ETSI	2
ECISS	0
ISO/IEC	221
ISO	261
IEC	9
Total	979

Nombre de personnes inscrites : 327

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Pause café – Coffee break