

HLF Pledges

On 30 November 2023, 47 members of the High-Level Forum (HLF) on European Standardisation of the European Commission signed a pledge

Committing themselves to take one or more concrete actions to contribute to the education of the new generation of European standardisation professionals

This sheet deck shows an update of selected pledges, as shown on the June 17-18 conference on Education on standardisation in Europe in Delft, Netherlands



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53: Small Business Standards (SBS)
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Academia

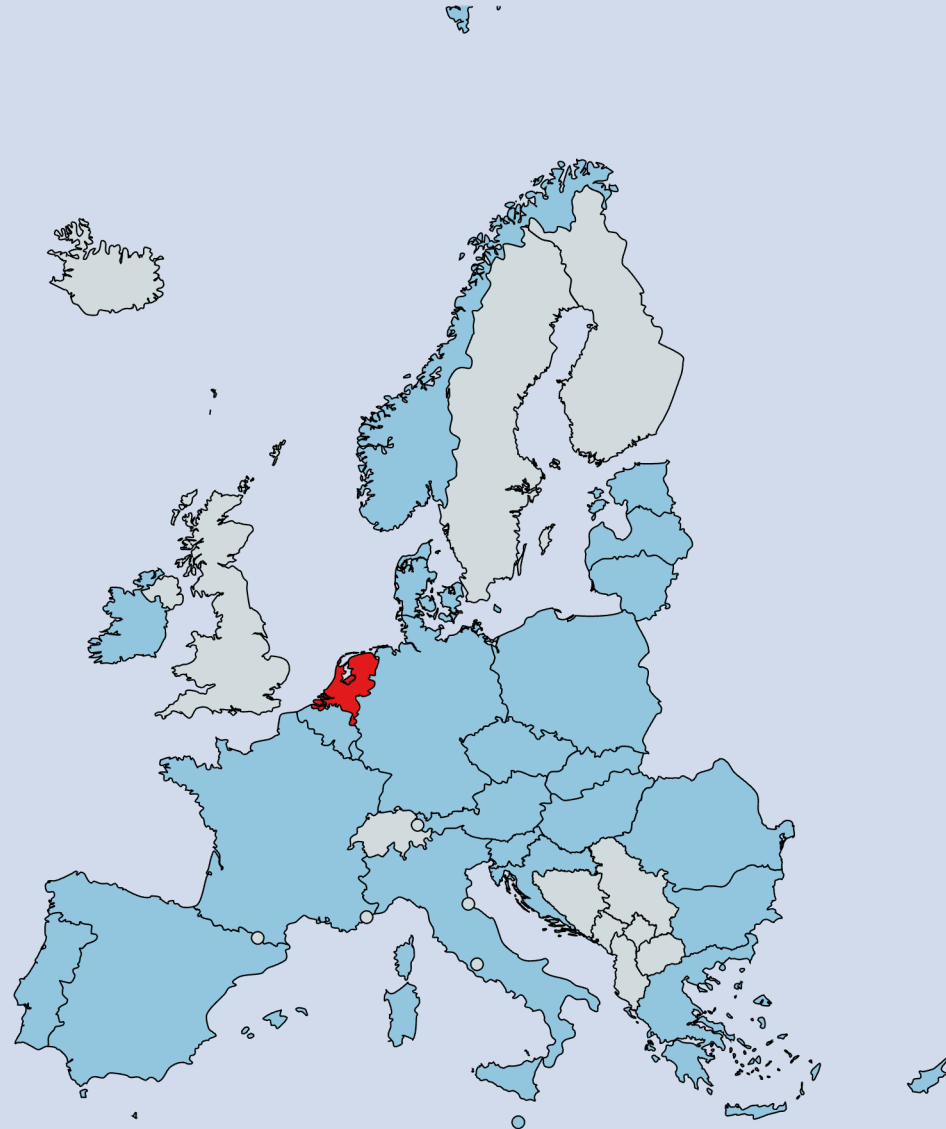
3: Eindhoven University of Technology

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HLF Pledge: Eindhoven University of Technology

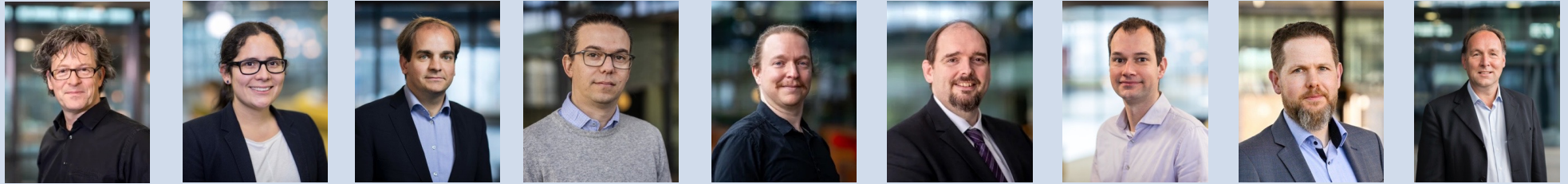
- One or more pledge signatories
- Netherlands



The Netherlands

TU/e EINDHOVEN
UNIVERSITY OF
TECHNOLOGY

HLF Pledge: Eindhoven University of Technology

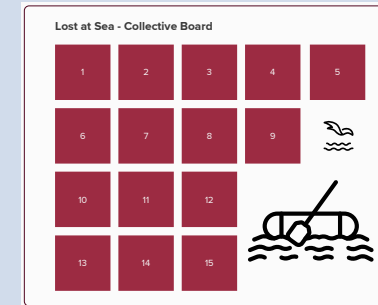


In the last decade, our team has offered 15 ECTS standardisation courses to over 500 engineering students

We have >15 guest speakers, master-classes, serious games, quizzes, ethical essays, application projects, and more

Student evaluation >8.0 (scale of 10)

Student: *"This class has contributed to my development as an engineer."*



Serious game 'Lost at sea!'



HLF Pledge: Eindhoven University of Technology

In the coming years, we will scale up our efforts and will create a module that intends to reach 600-900 students per year. Given this scale, this will be a video-based (MOOC).

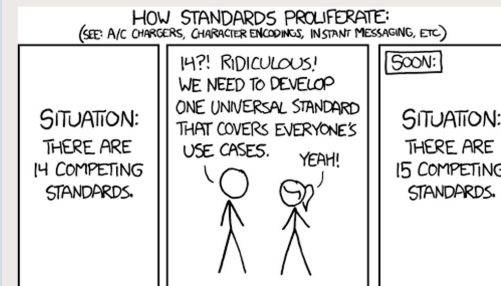
It is aimed at awareness and understanding the importance of standards for engineers.

Students who like it can choose a follow-up class offering regular, in-person teaching.

Moreover, we will develop in-company trainings at NXP.

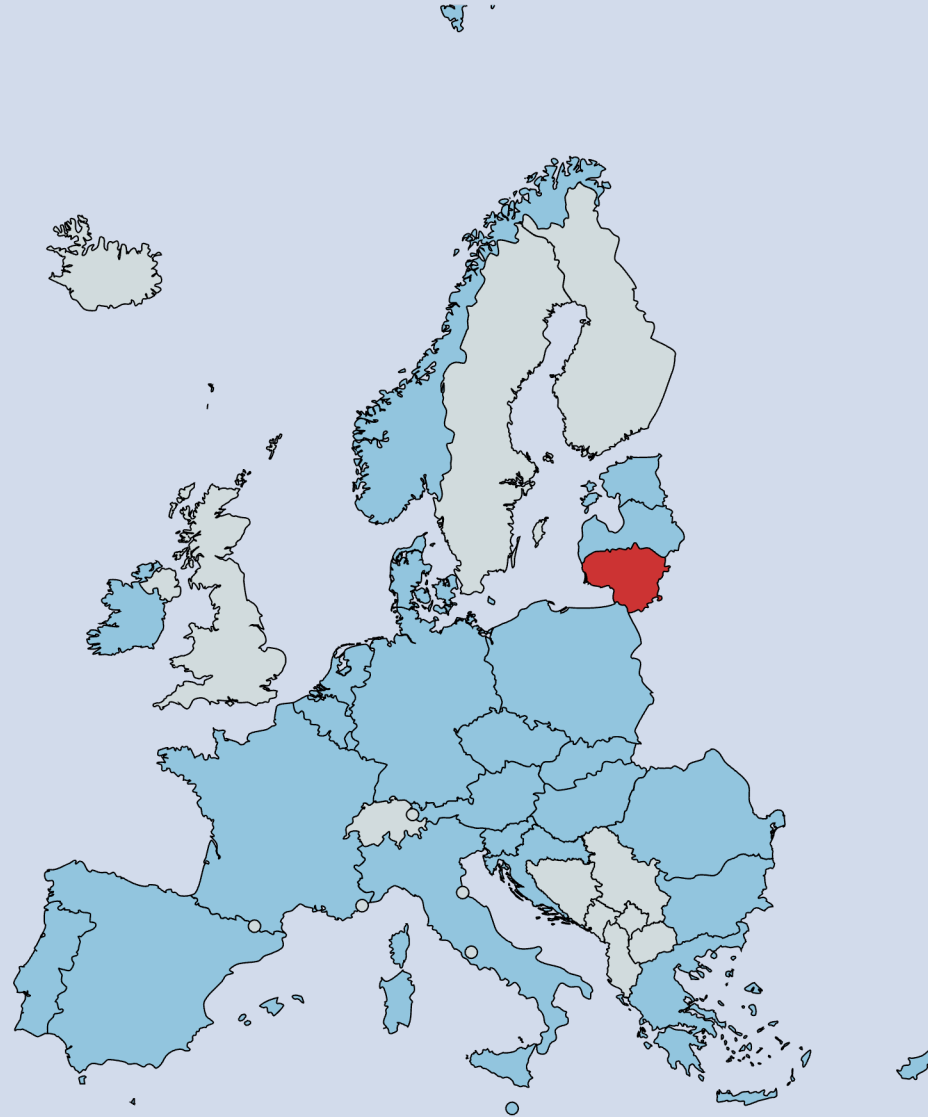


Proliferation of standards



HLF Pledge: Lithuanian Standards Board (LST)

■ One or more pledge signatories
■ Lithuania



Lithuania

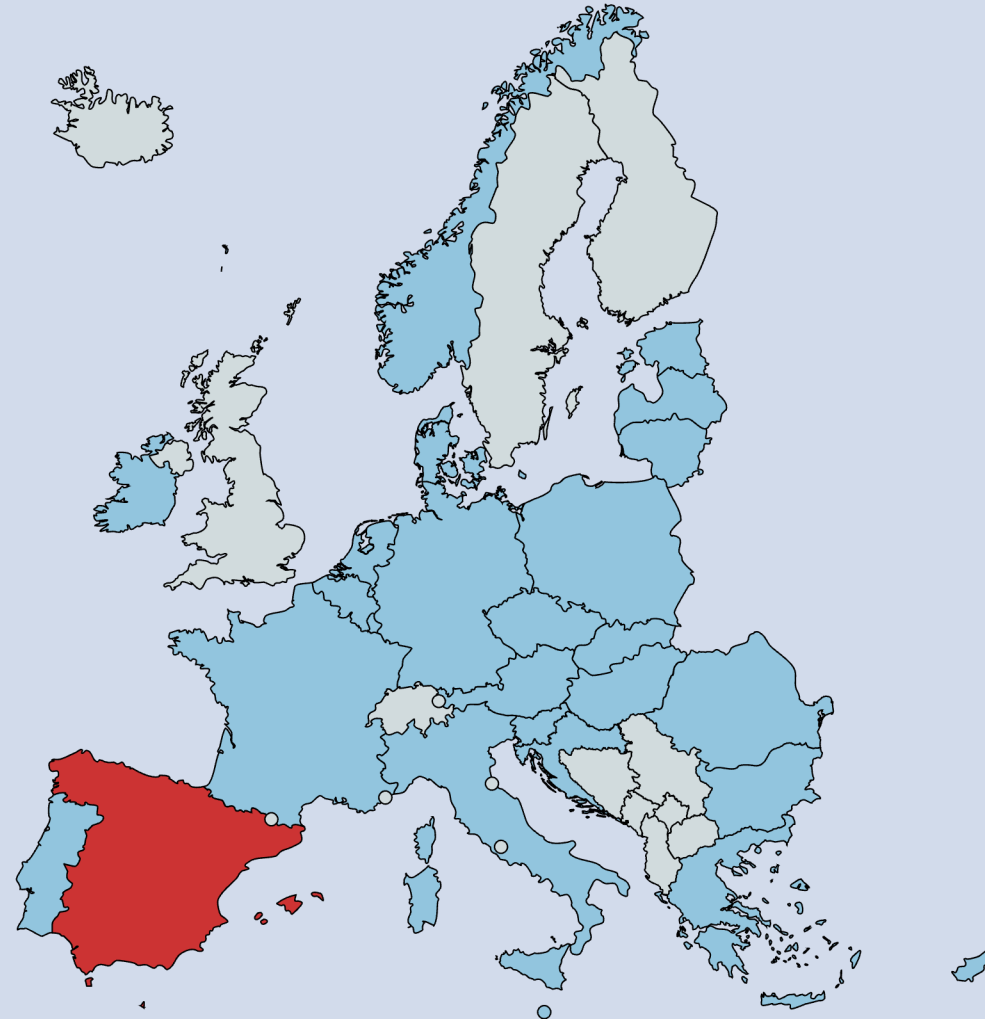
HLF Pledge: Lithuanian Standards Board (LST)

In order to raise awareness of the importance of standardisation, Lithuanian Standards Board (LST) implements following measures:

- informative and specialized events for society, presentation on standardisation at universities and other educational institutions (for students and teachers)
- agreement with Academic Electronic Library (eLABa) on access to standards for educational needs
- National Standardisation Award (for scientific papers, researches, publications on standardisation)
- „Open door“ days at LST
- proactive invitations for students to join LST team for internships or employment in the future

HLF Pledge: Spain, Ministry of Industry and Tourism

- One or more pledge signatories
- Spain



Spain

HLF Pledge: Spain, Ministry of Industry and Tourism



1. **Opportunities for students and young graduates.** Spanish National Standardization Body (UNE) offers an average of two internships per year, lasting 6 months, for students from translation and IT.
2. **Promote engagement in standardization-related work.** Activity conducted with University of Vigo, where the students can participate in the translation and development of dependability standards.

UNE participates in IEC Young Professionals (YP) program. Annual open call for YP in the electrotechnical committees, followed by a workshop and a selection process. The prize for the candidate is the participation in the IEC General Meeting and YP related activities.

3. **Promote standardization education by means of awareness campaigns.** Examples are a) academic prize on standardization, with a related media impact equivalent to a 35.000 € campaign and b) an online game about standardization was played by almost 2.000 people from 17 countries and the related media impact is close to 50.000 €.

Nuevo juego gratuito

A partir de una sugerencia planteada en el Foro UNE de Educación Universitaria sobre Estandarización (EUE), UNE y UNIR han desarrollado un juego gratuito de sala de escape. El personaje deberá seguir las pistas y resolver los acertijos hasta encontrar un vagón de metro desaparecido. Al avanzar, se dará cuenta de cómo la normalización está presente en nuestras vidas.

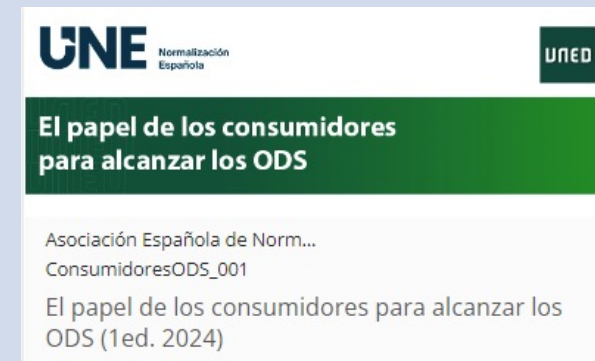
Juega >



HLF Pledge: Spain, Ministry of Industry and Tourism

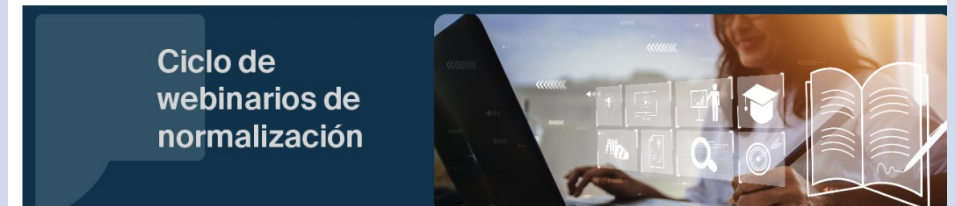


4. **Develop dedicated educational modules on standardization.** In January 2024, UNE and UNED (the Spanish public online university) released two Massive Online Open Courses (MOOC) with a module about standardization. They have reached over 550 attendants, up to now.



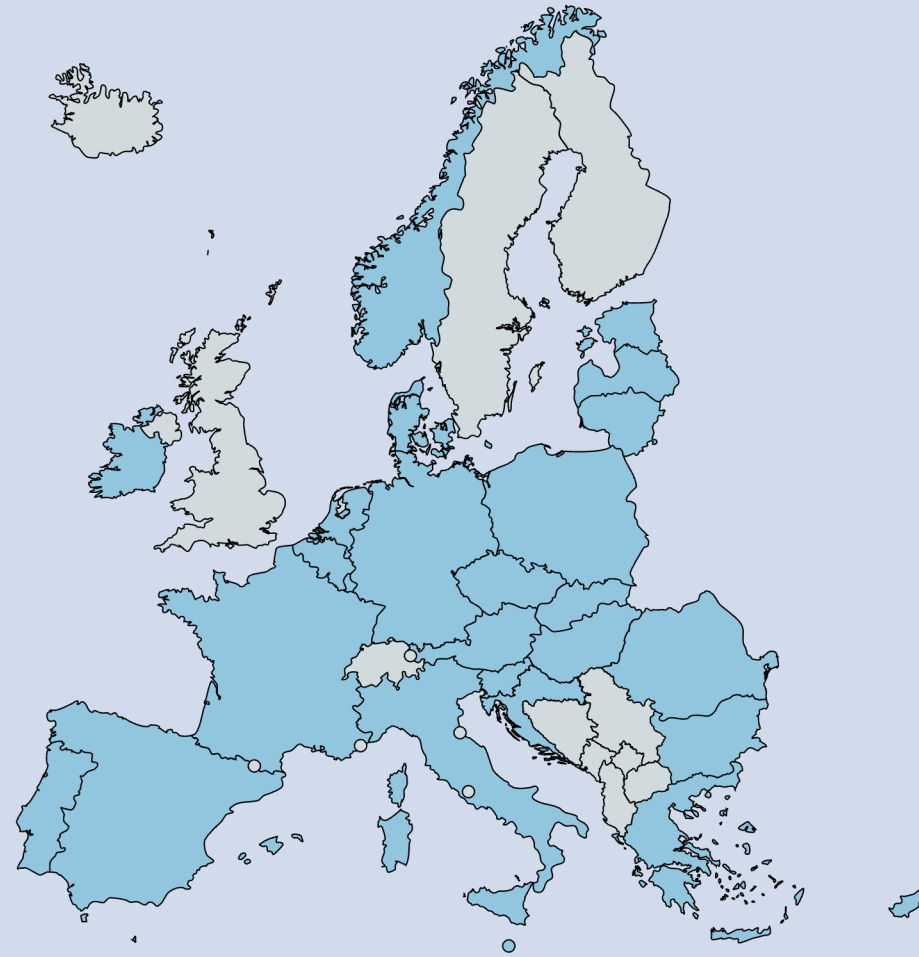
4. **Develop standardization expertise through Vocational and Education Training (VET).** UNE offers several training activities for three target groups: Public Authorities, Professionals and Universities. Examples are the annual cycle of webinars, lectures in training courses about public procurement, training activities for technical committees, etc. This VET reaches over 2.000 people annually.

Ciclo de webinars de normalización UNE 2024



HLF Pledge: European DIGITAL SME Alliance

■ One or more pledge signatories



HLF Pledge: European DIGITAL SME Alliance

The **DIGITAL SME Essay Competition** encourages critical thinking and exploration of ICT-related topics among students and recent graduates. The competition aims to promote thought leadership, inspire future ICT professionals, and contribute to advancements in the field.

Participants can submit essays on various aspects of ICT, such as standardization, emerging technologies, digital transformation, cybersecurity, and data analytics.

The Competition is open to **students enrolled in the last year** of a graduate degree (Master or equivalent) or in a higher degree programme, or **having already completed** such a programme in a Higher Education Institution established in the European Union.

The winner will receive a **6-month remunerated traineeship** related to their essay topic at the DIGITAL SME offices in Brussels.

Higher education institutions in the EU are invited to become strategic partners to promote this opportunity to their students.

HLF Pledge: European DIGITAL SME Alliance

The competition will be organised into multiple calls, with the first theme focusing on **"ICT Standardization"** which aims at stimulating interest in standards-related topics and careers.

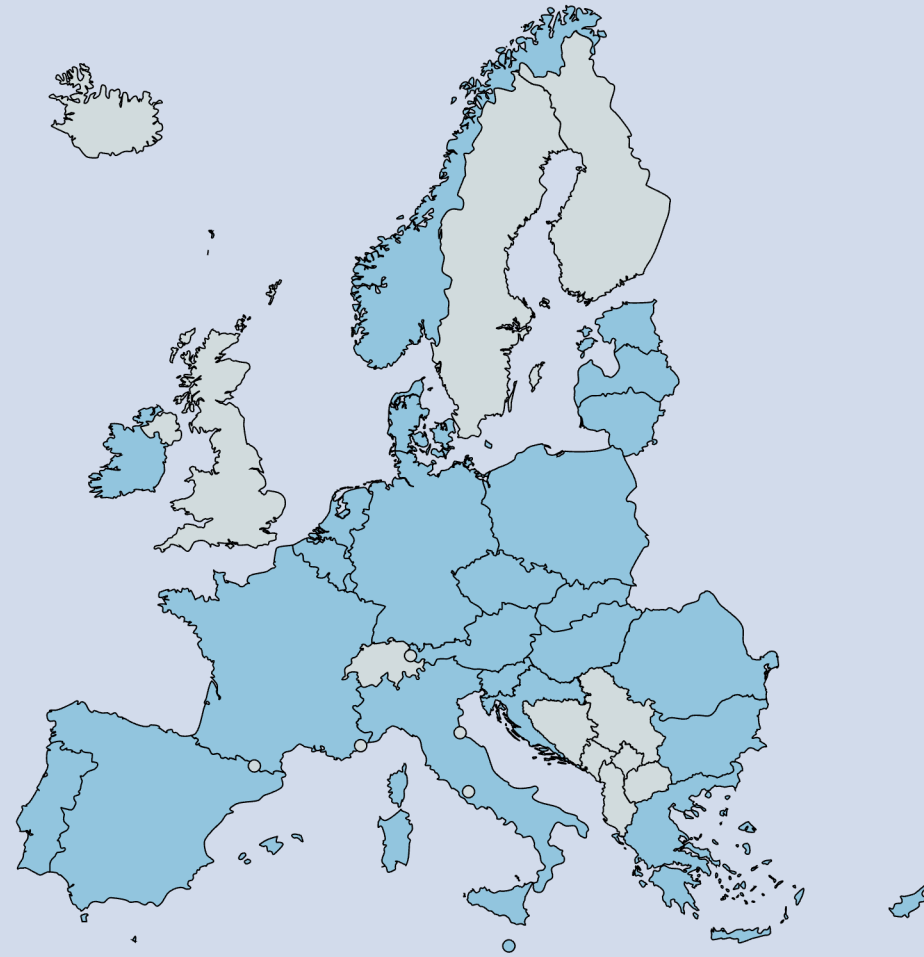
DIGITAL SME invites essays on the following topics for the first call:

- **The strategic priority of ICT standardisation for the European Union at the global level.** Essays should analyse the EU's current situation, the strategic policy role of ICT standards at both European and international levels, and the roles of SDOs and ESOs.
- **New perspectives and priorities for ICT standardisation in the European Union over the next five years.** Essays should analyse standardisation gaps and needs as identified by the EU Rolling Plan for ICT standardisation, provide use cases showcasing the application of ICT standards, and propose recommendations for the next European mandate.

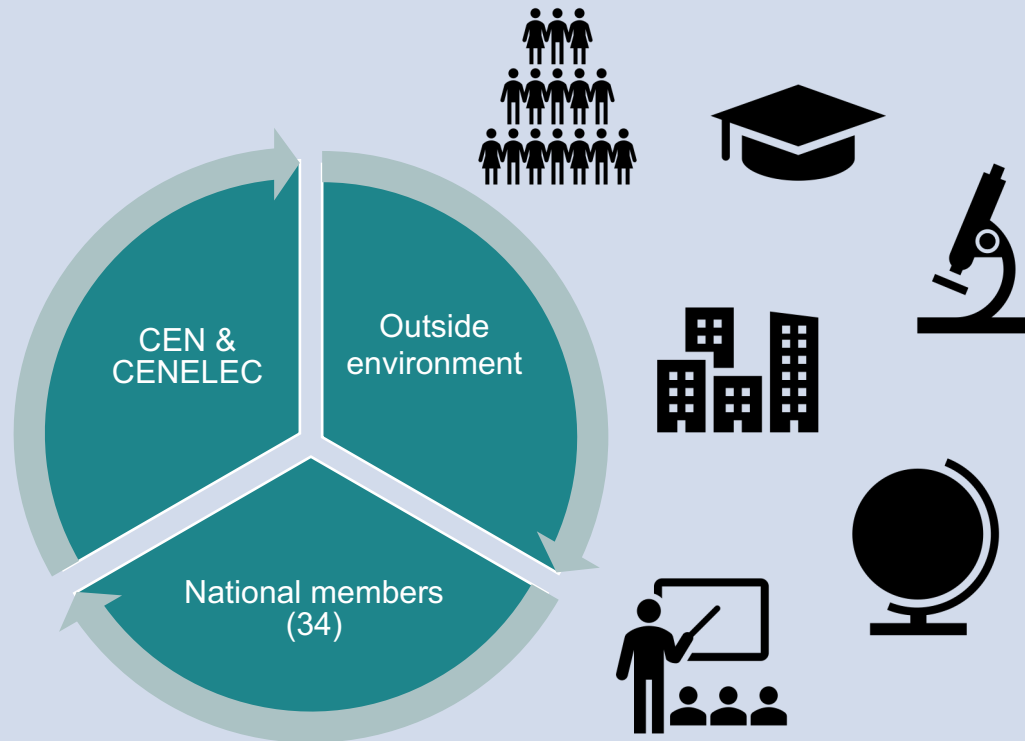
The launch of the Competition is scheduled for **June 2024**, and all details will be made available on the European DIGITAL SME Alliance website.

HLF Pledge: CEN & CENELEC

■ One or more pledge signatories

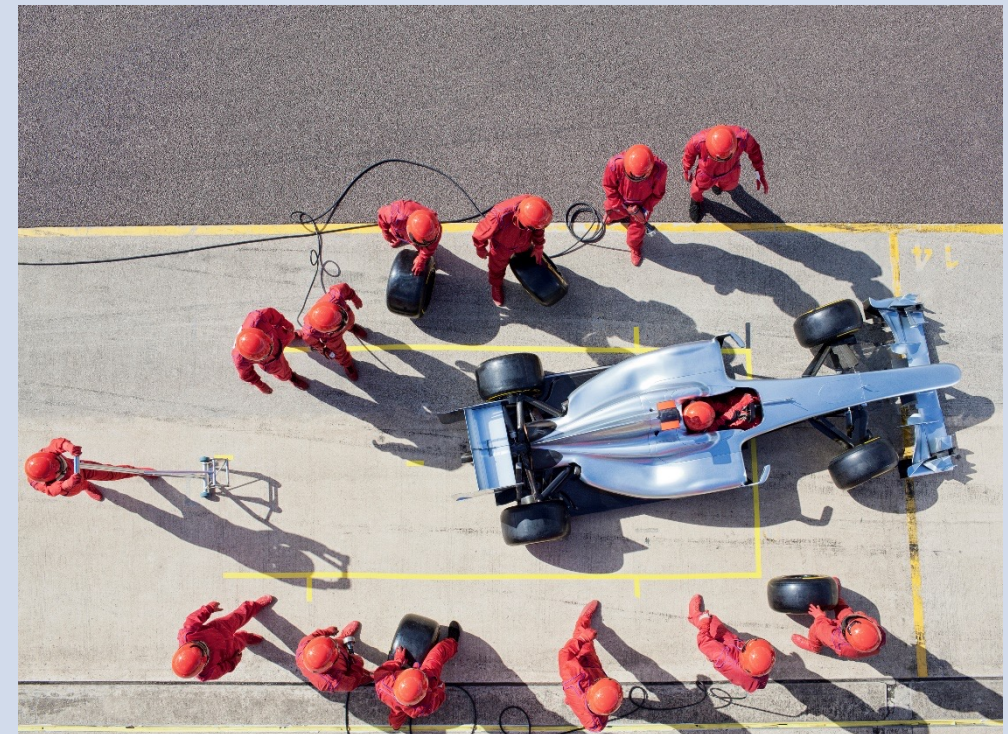


HLF Pledge: CEN & CENELEC



Role of CEN & CENELEC in the activities:

- Supporting
- Coordinating
- Driving



www.cencenelec.eu

HLF Pledge: CEN & CENELEC



Actions with and for our national members

Survey of national members on their educational **activities** and standards referencing

Interviews with Young Professionals from our members countries

PR round table – sharing **best practices** in education, skills development and awareness increasing

Interviews with **European reps in ISO and IEC** governing structures in cooperation with students

Webinar on how to organize a **successful Young Professional program**

Technical Bodies officers' trainings for newcomers in technical committees

Actions for other stakeholders

Thesis project on standardization with Antwerp Management School

Academic Standardization Day under Edu4Standards program (Horizon)

Newcomer webinar on European standardization system for new members of **EP, EC**, other EU organizations

Cooperation on development of **innovative teaching program** under Edu4Standards program

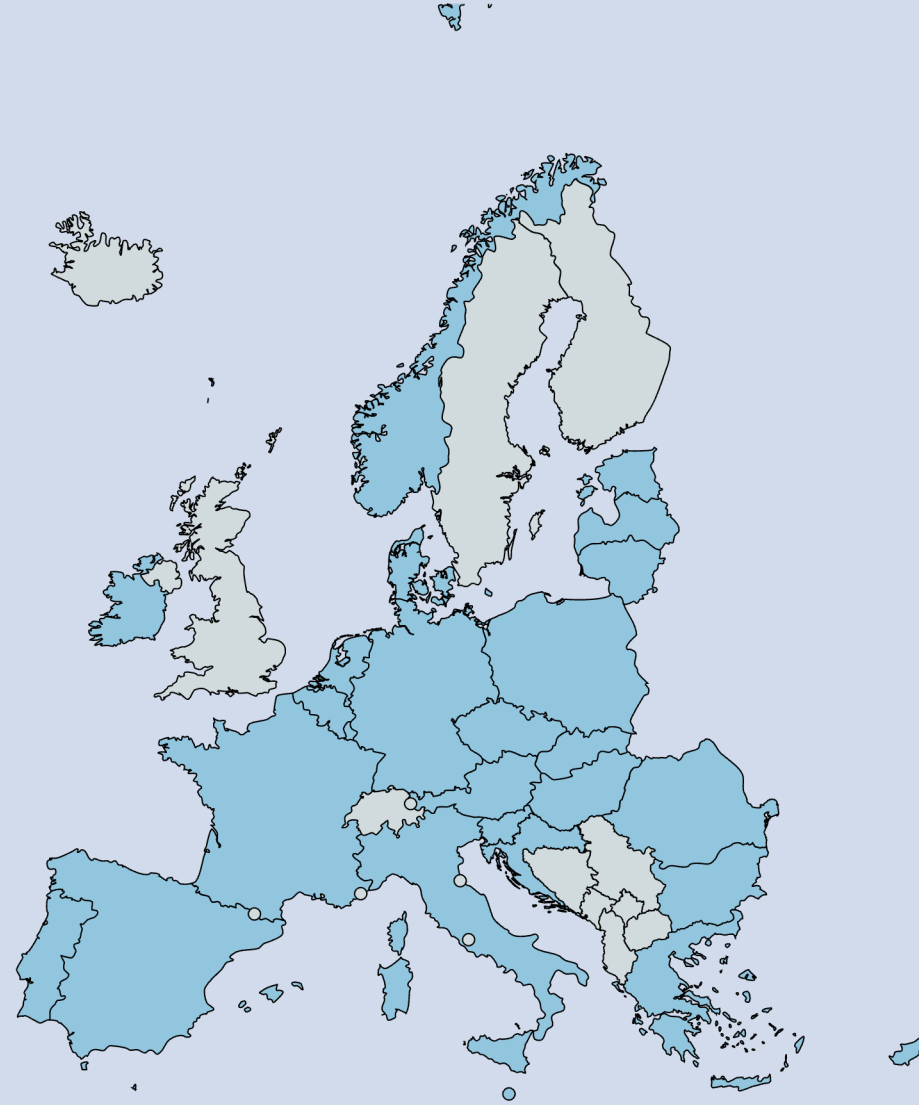
Training program on **Standardization for researchers**, developers and innovators

YouTube Channel of CEN&CENELEC with a **public library of video trainings** (free of charge)

CEN - European Committee for Standardization
CENELEC - European Committee for Electrotechnical Standardization
www.cencenelec.eu

HLF Pledge: ETSI

■ One or more pledge signatories



HLF Pledge: ETSI

Promote engagement of students and young graduates in standardisation-related work:

- Working with EU projects to guide researchers into standardisation, e.g. ISG THZ, where researchers are developing pre-standards to prepare for 6G
- Newly created ETSI project working with universities to attract students and junior workforce to create a new generation of standards-makers

Promote standardisation education by means of awareness campaigns:

- Presentations and discussions with the ETSI NSBs
- Wide distribution of the “Understanding ICT Standardization” textbook (free of charge): ~700 downloads per year
- Articles in the ETSI “Enjoy!” magazine



HLF Pledge: ETSI

Develop dedicated educational modules on standardisation for business, law or engineering degrees:

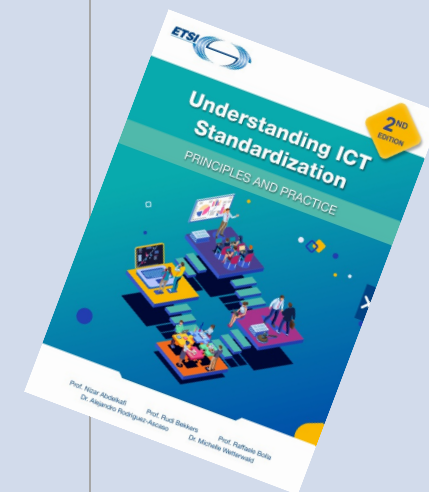
Dedicated chapters in the textbook: Understanding ICT Standardization

- 6. A strategic perspective on standardization
- 7. IPR and Standardization
- 8. An economic perspective on standardization and public procurement

Slide sets and eLearning being created to complement this

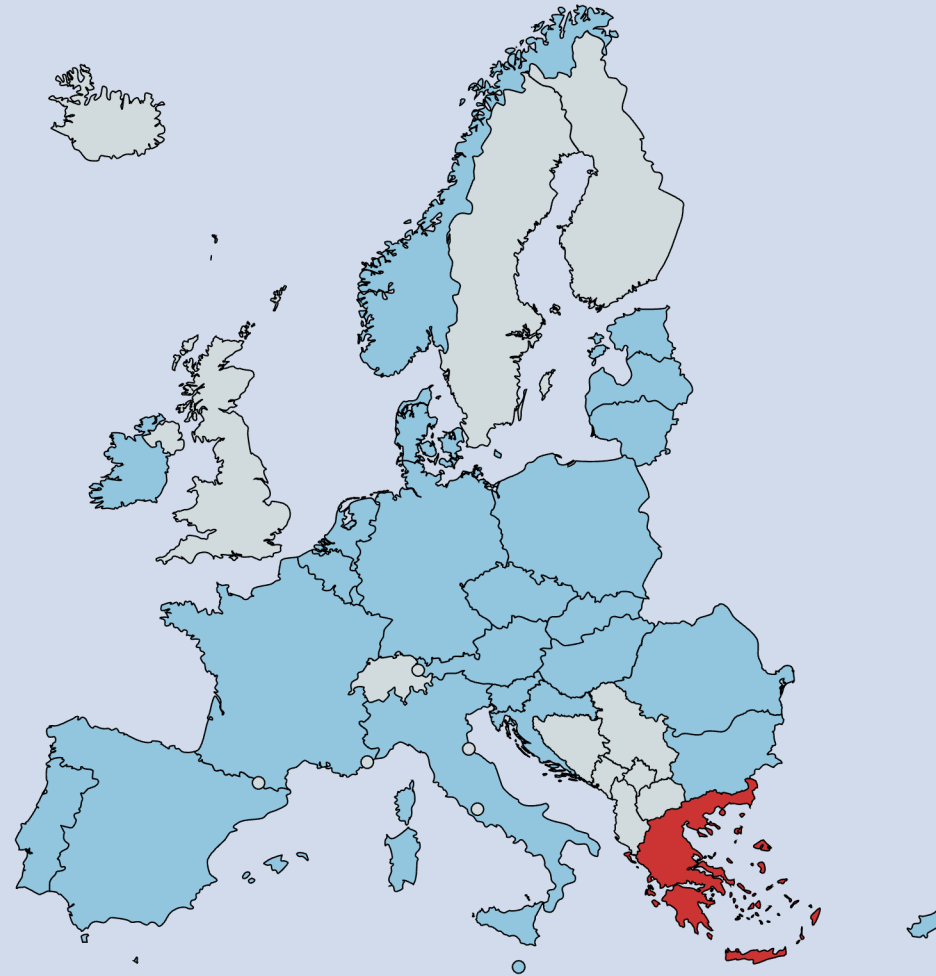
Develop standardisation expertise through Vocational and Education Training (VET):

- Creation of an eLearning platform with easily accessible tutorials for vocational training underway



HLF Pledge: NQIS/ELOT

- One or more pledge signatories
- Greece



Greece

Training opportunities for students

- NQIS/ELOT offers internship opportunities in standardization and standardization related matters, through ATLAS, the centralised online database service that facilitates the selection of internships by linking the country's academic institutions with organisations offering internship positions (companies, organisations, non-governmental organisations, etc.).

Promoting standardization in Academia

- NQIS/ELOT has signed a Memorandum of Understanding with University of West Attica aiming at
 - ▶ raising the awareness of the academic community (researchers / teachers and students) about the value of standardization and the role of standards in the economy, public administration, society and research and innovation,
 - ▶ enhancing the participation of the academic and research community in respective European and International standardization activities,
 - ▶ the utilization of standards in educational programs and in university curricula,
 - ▶ strengthening participation in normative research and standardization projects at the European level,

Developing standardization expertise through training

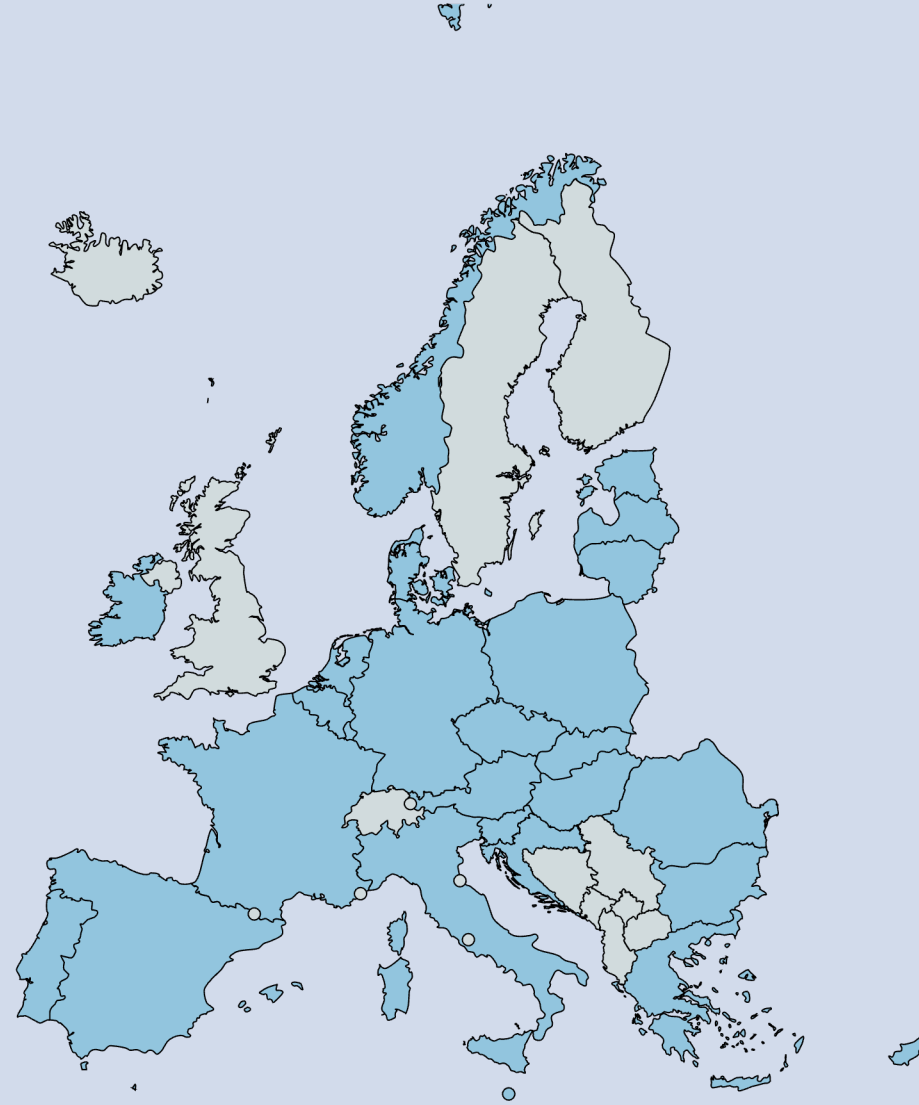
- NQIS/ELOT is developing training programs (e-learning), based on the ISO document IWA 30-1 & 2 “Competence of standards professionals”.

Re-engineering Quality Infrastructure in Greece

- A consortium of three consulting companies is currently conducting for the Ministry of Development a project for the Regulatory, Organizational and Operational Restructuring of National Quality Infrastructure-QI (standardization, metrology, accreditation and conformity assessment) to confront the challenges related to the green and the digital transitions. Issues related to Education & Skills on standards are expected to be examined as well as promotion of standardization education by means of awareness campaigns.

HLF Pledge: ETUC

■ One or more pledge signatories



HLF Pledge: ETUC

ETUC was at the initiative (with Small Business Standards representing SMEs) and leads a Task Group on Inclusiveness in CEN CENELEC JTC21 Artificial Intelligence

Inclusiveness : All stakeholders with a particular interest in developing standards can effectively participate in the standard development process. Their specific input/concerns are duly considered according to the consensus.

Task Group activities

- Publishes a Newsletter giving general info on AI standardisation at CEN CENELEC, ISO IEC or other fora
 - First published: January 2024, then every other month
 - Available on registration or at
[ETUC https://www.etuc.org/en/artificial-intelligence-standardisation-inclusiveness-newsletter](https://www.etuc.org/en/artificial-intelligence-standardisation-inclusiveness-newsletter)
[CEN CENELEC JTC 21 LinkedIn: https://www.linkedin.com/groups/8793224/](https://www.linkedin.com/groups/8793224/)
- Regular meetings with NSBs, industry and civil society representatives
- Will prepare Webinars / Workshops to reach out more civil society stakeholders

HLF Pledge: ETUC

To train and educate its affiliates, ETUC organises national awareness events

The national events take place – whenever possible – in the National Standardisation body. This is the first step to raise awareness and subsequently have active participation to bring in the trade union perspective, in those standardisation activities that address workers issues

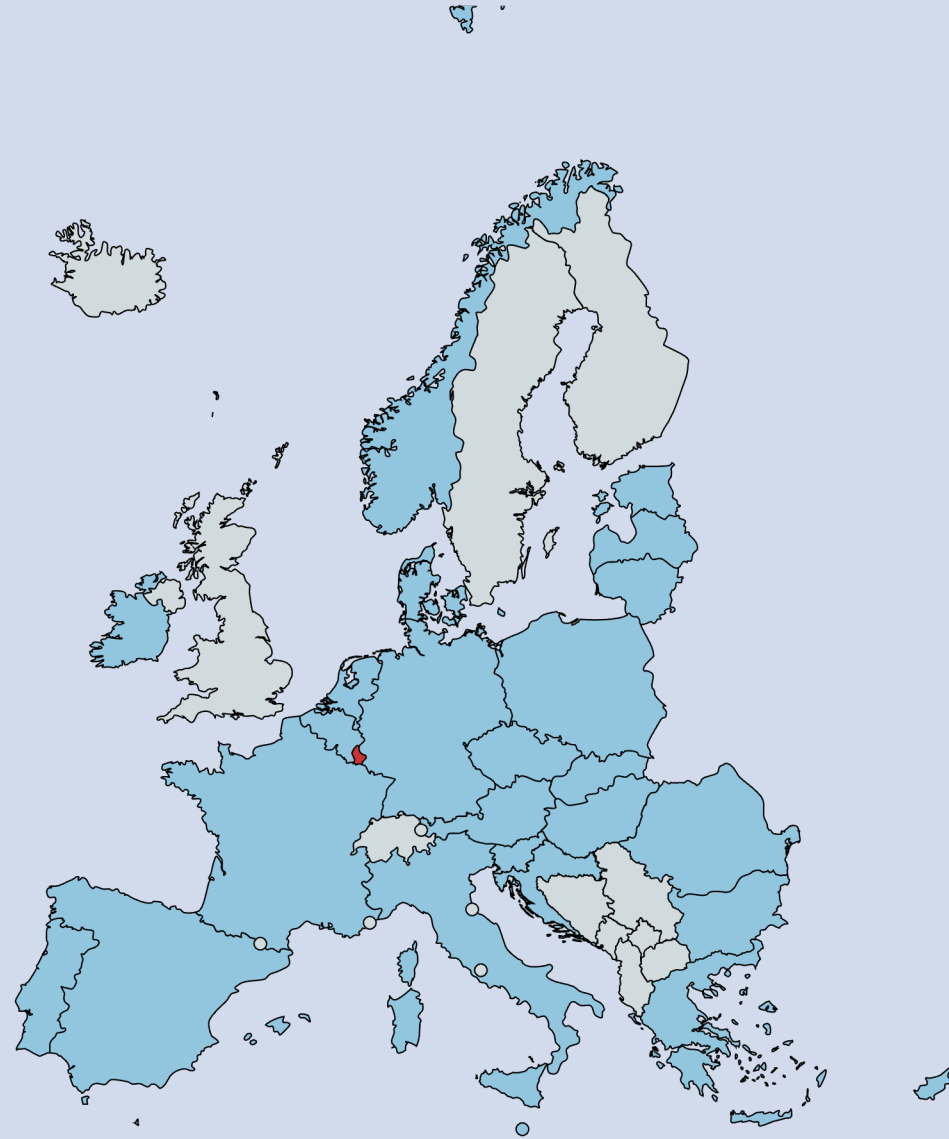
As a second step, new ETUC experts receive a one-to-one, topic focussed training.

Reducing English as a participation barrier: ETUC provides English courses focussed on standardisation, making ETUC experts familiar with the “English standardisation vocabulary/jargon”.



HLF Pledge: LUXEMBOURG – ILNAS (NSB)

- One or more pledge signatories
- Luxembourg



Luxembourg

HLF Pledge: LUXEMBOURG – ILNAS (NSB)



Provide training opportunities for students and young graduates, such as internships



- ✓ **2 internships** proposed through the EIG ANEC (in support of ILNAS)
 - 1 internship on Sustainability & Standardisation (started on June 1st 2024)
 - 1 internship on Conformity Assessment & Standardisation (open position)



Promote the engagement of students and young graduates in standardisation-related work

- ✓ **Research programme** “Technical Standardisation for Trusted Use in the Field of Smart ICT” (**2017-2020**)
- ✓ **Research programme** “Technical Standardisation for Trustworthy ICT, Aerospace, and Construction” (**2021-2024**)
- ▶ **6 PhD students involved in technical standardisation through the 2 programmes**



Promote standardisation education by means of awareness campaigns

- ✓ Organisation of **3 thematic workshops** on technical standardisation
- ✓ Publication of **27 news** related to technical standardisation developments

- ✓ Publication of **1 video** on technical standardisation
- ✓ Development of **3 white papers and technical reports** on technical standardisation
- ✓ Development of **4 technical sheets** on specific standardisation topics
- ✓ **Awareness meetings** organised with national organisations



HLF Pledge: LUXEMBOURG – ILNAS (NSB)



4 Develop dedicated educational modules on standardisation for business, law or engineering degrees

- ✓ 2015-2019 - Pilot programme **University Certificate “Smart ICT for Business Innovation”**
 - 2 editions
 - 29 students enrolled
 - 20 students graduated
- ✓ 2021-... - **Master “Technopreneurship: mastering smart ICT, standardisation and digital trust for enabling next generation of ICT solutions” (MTECH)**
 - 2 editions (3rd edition in September 2024)
 - 19 students enrolled (2021-2022 / 2023-2024)
 - 9 students graduated (2021-2022)



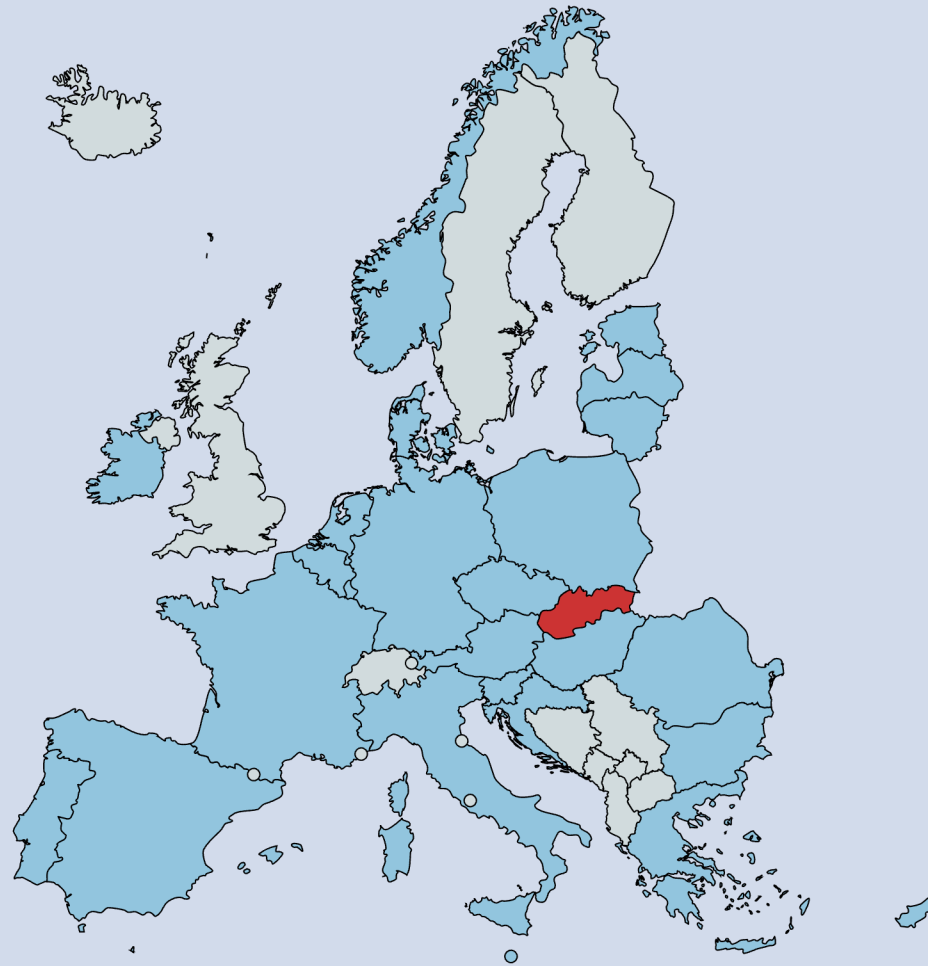
5 Develop standardisation expertise through Vocational and Education Training (VET)

- ✓ **ILNAS Training Catalogue 2024**
 - 13 trainings / awareness sessions proposed
 - 3 trainings already organised in 2024
- ✓ Preparation of a **national campaign aiming at introducing technical standardisation in high schools**
- ✓ **Collaboration with national entities** dedicated to VET
 - 2 courses proposed through the Digital Learning Hub Luxembourg (DLH)
 - Courses under preparation with the *Centre national de formation professionnelle continue (CNFPC)*



HLF Pledge: Slovak Office of Standards, Metrology and Testing

- One or more pledge signatories
- Slovakia



Slovakia

HLF Pledge: Slovak Office of Standards, Metrology and Testing

Next Generation in 2023

- Started in 2023
- Focused on young professionals under 35
- Many successful projects
 - YP Workshop 2023
 - Summercamp 2023
 - Competition for high schools „STeNormální?“ („Are you normal?“) (STN = Slovak Technical Standards)
 - Technical conference



HLF Pledge: Slovak Office of Standards, Metrology and Testing

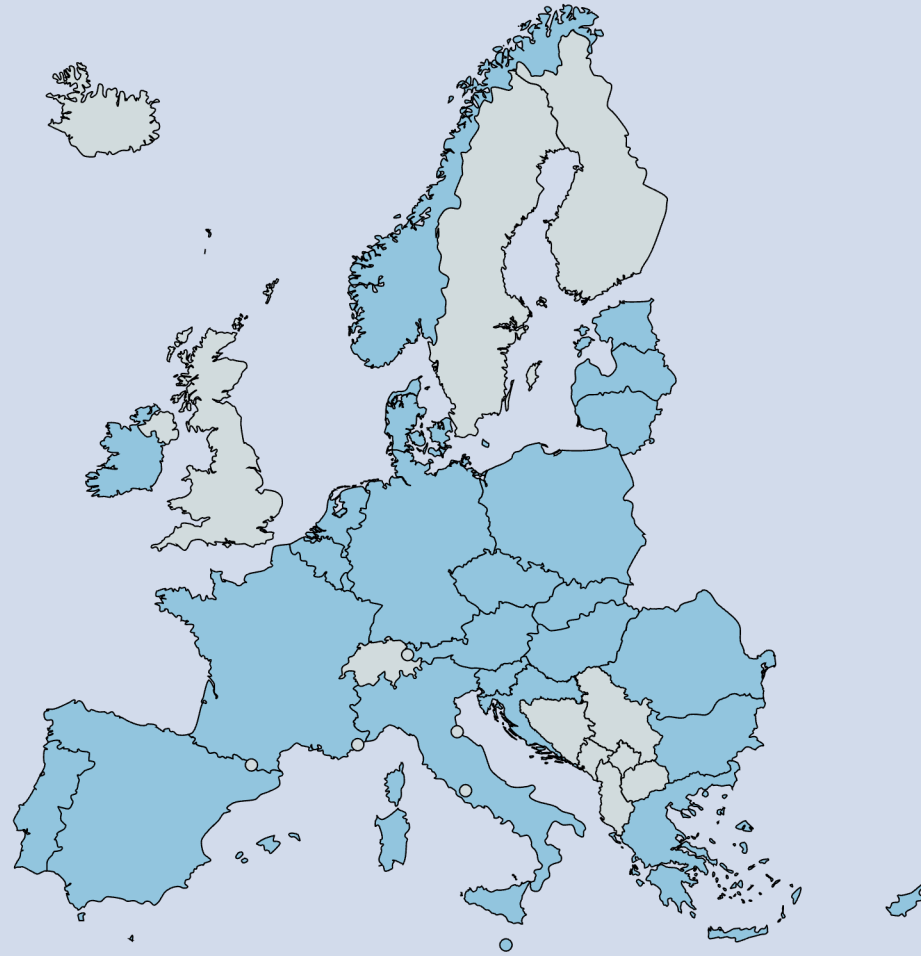
Next Generation this year

- YP Workshop 2024
 - 11 Young Professionals in attendance
- Continuing competition for high schools „STeNormálni?“
 - September – November
 - Interesting rewards
- Conference for high schools: „Spoznej ÚNMS SR“ („Get to know UNMS SR“)
 - 26. September 2024
 - Both in-person and online



HLF Pledge: Environmental Coalition on Standards

■ One or more pledge signatories



HLF Pledge: Environmental Coalition on Standards

- 🌱 **Raising awareness and building capacity** on standardisation and the environment is a critical part of the **ECOS mission**
- 🎓 Every year, we hold a **dedicated training** for our **member & expert community**
- 🤝 Our Secretariat welcomes several young professionals a year, offering valuable and **unique traineeship opportunities**
- 📢 Through a **variety of events, reports and engaging materials**, we mainstream the understanding of standards, and our vision of how they can support environmental ambition



TRAINING

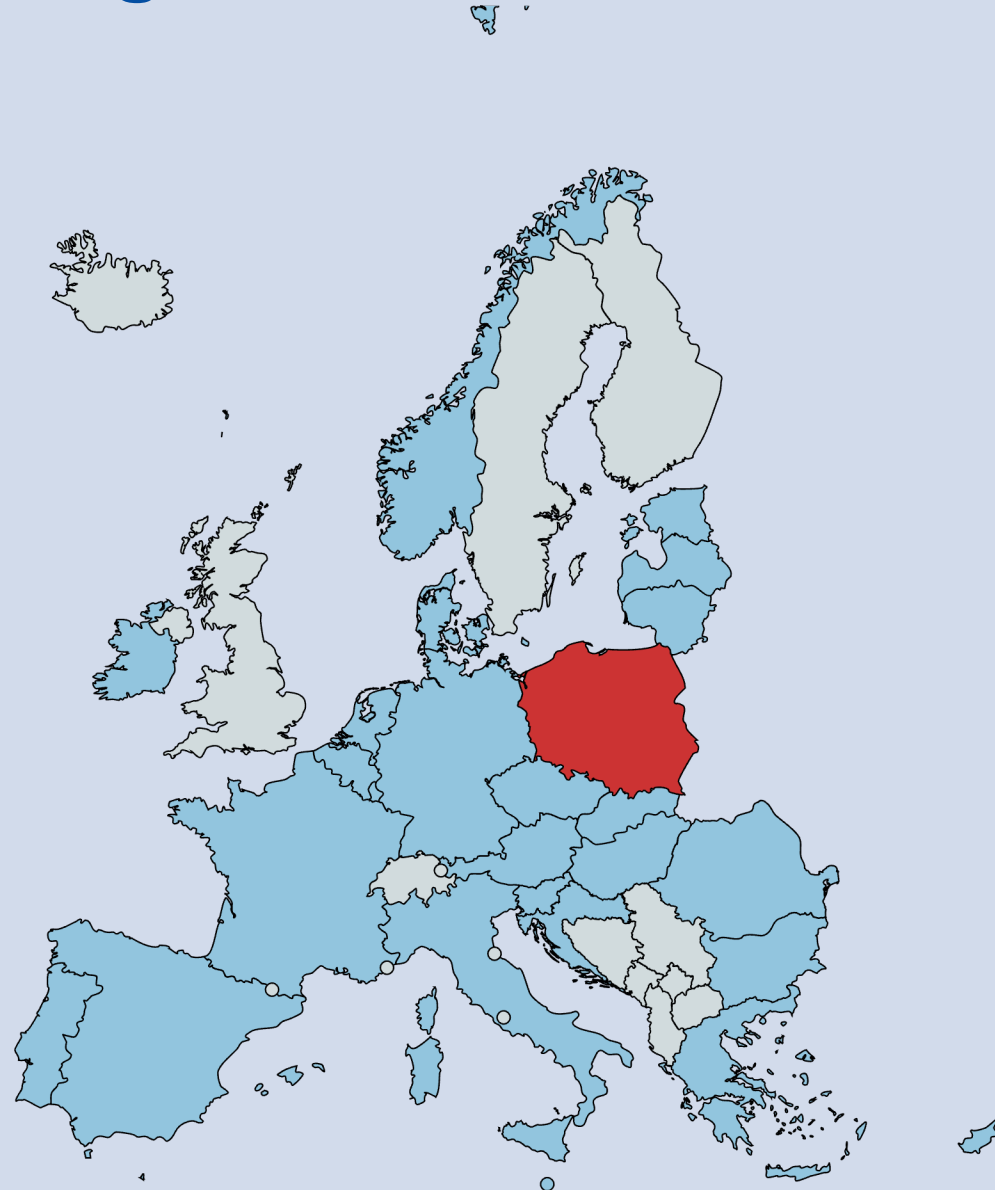


GREECE

WORLD STANDARDS DAY

HLF Pledge: PKN

- One or more pledge signatories
- Poland



Poland

HLF Pledge: PKN

Educational actions taken by PKN:

1. Workshops on standardization issues (free of charge) for vocational teachers – remote and on-site meetings (approx. 1 100 trained teachers of vocational schools)
2. Organising nationwide competitions „Standardization and Me” (since 2013) (approx. 1 900 participants of standardization competitions)
 - Target group: students and teachers from secondary schools
 - The aim of the competition: to present an important role of standards and standardization in everyday life; to encourage teachers to introduce standardization topics and information about the role of standards into their lessons
 - Categories for students: comic strips/ pictures, essays, videos
 - Categories for teachers: scenario of the lesson introducing standardization issues
3. Support of standardization competitions held by other entities
4. Cooperation with educational institutions responsible for education

HLF Pledge: PKN

5. Special agreement with universities - providing the access to all standards at preferential prices in exchange for:

-introduction of a subject „Standardization” in its curriculum;

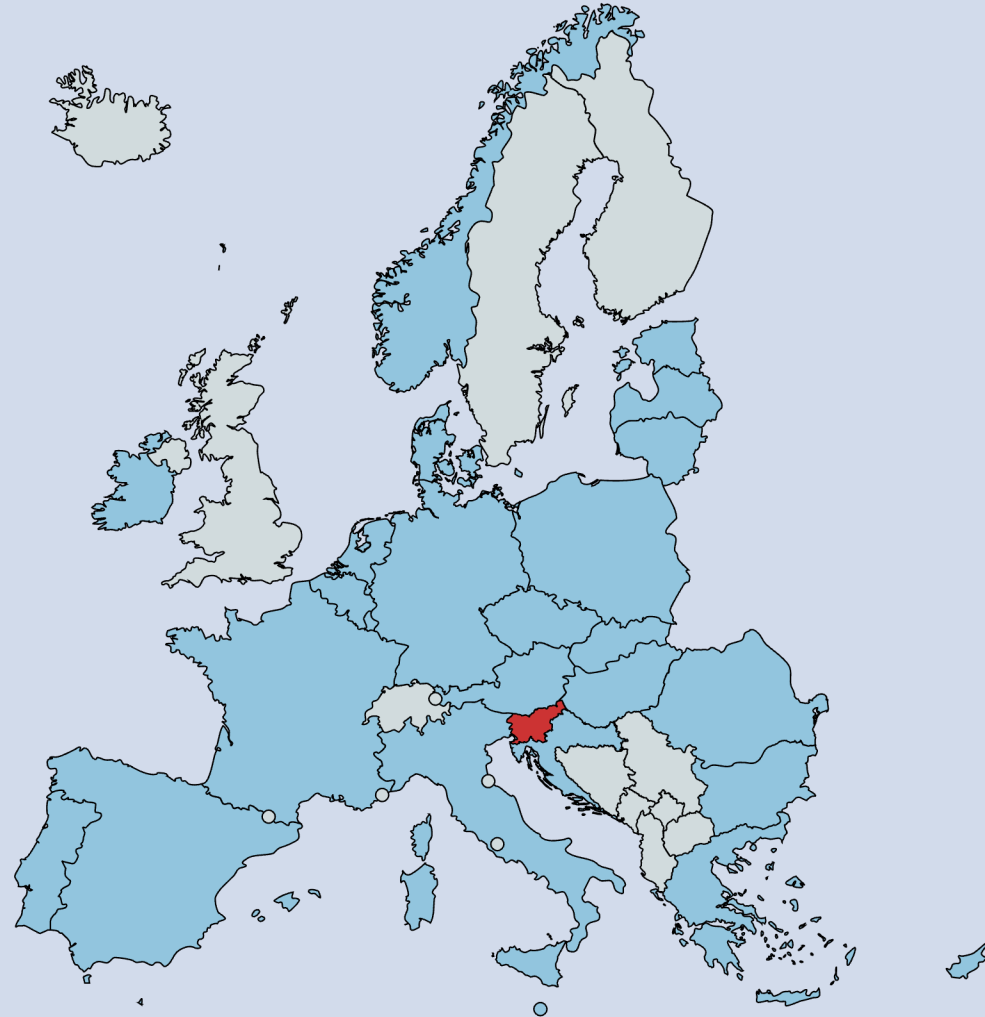
- introduction of the Information Security Management System ISO/ IEC 27001 and
- active involvement in the promotion of standardization („Standards day/ week”, workshops, etc.)

6. Conducting standardization seminars/ workshops for students and academic teachers

7. Promoter of Education about Standardization award - the honorary title awarded to a person who supports education about standardization through political, organizational, promotional, and publishing activities.

HLF Pledge: SLOVENIA

- One or more pledge signatories
- Slovenia



Slovenia

HLF Pledge: SLOVENIA

NSB – SLOVENIAN INSTITUTE FOR STANDARDIZATION

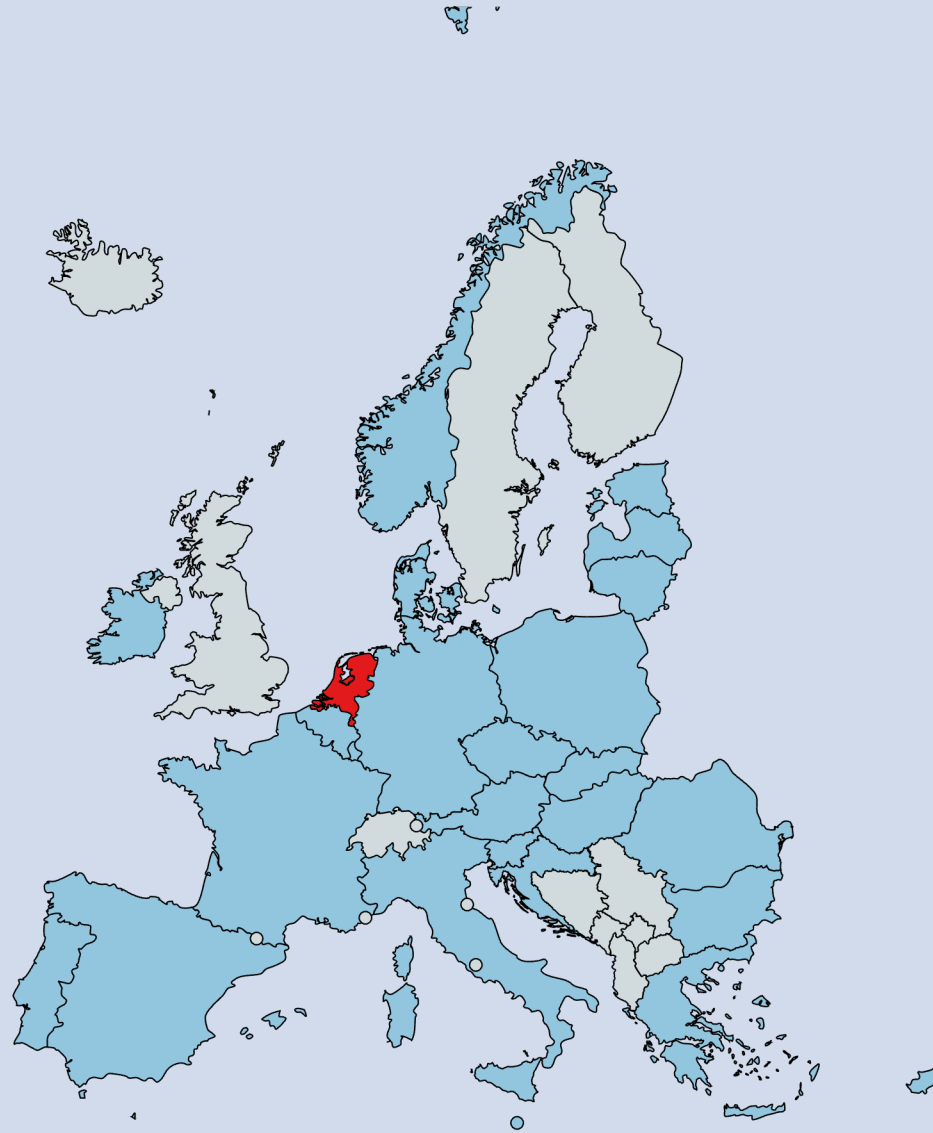
- Cooperation with already established relations, Faculty of electrical engineering in Ljubljana
- Extracurricular activity for students
- Autumn school of standardization
- Pilot visit of secondary school students at SIST
- Career week at Faculty of electrical engineering
- Young Ambassadors of Standardization

HLF Pledge: The Netherlands (MS)



Rijksoverheid

- One or more pledge signatories
- Netherlands



Netherlands

HLF Pledge: The Netherlands (MS)



Rijksoverheid

- **University meets ministry**

- 4 Master students from the **University of Cambridge** worked on a **research project for the AI (Act) standardisation** together with the **Dutch Ministry of Economic Affairs & Climate Policy**. The team looked into the barriers for participation of SME's, academia en civil society, the challenges of incorporating ethics and fundamental rights in technical (AI) standards and how to best support organisations with implementing the standards.
- 12 students from the **University of Groningen** visited the Forum Standaardisatie to learn more about the organization and the iTraineeship. Students presented their own advice in response to a recent **European Court ruling on public access of European harmonized standards**.
- A summer course will be held coming July for international master and PhD students from **Utrecht university**. This course will introduce students to **semantic standardisation** in the various legal and policy aspects of rule-making in the tech sector.



Universiteit
Utrecht



UNIVERSITY OF
CAMBRIDGE



rijksuniversiteit
 groningen

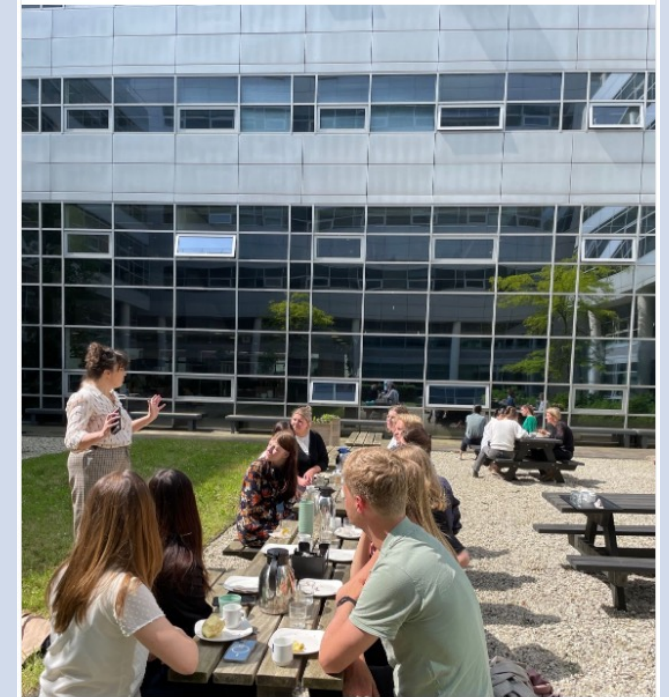
Forum Standaardisatie heeft dit gerepost



Mathieu Paapst

Coördinerend Juridisch adviseur, Toezichthouder, Universitair Docent.
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Vandaag bezocht een groep van 12 studenten uit de Master **IT Recht** van de **Rijksuniversiteit Groningen** het **Forum Standaardisatie**. De studenten kregen niet alleen een blik in de keuken van de Rijksoverheid, maar presenteerden zelf ook hun adviezen naar aanleiding van een recente uitspraak van het Europese Hof over de openbaarheid van normen. Dank ook aan **Jouri Postma** die als alumnus een uitstekend verhaal hield over zijn huidige werkzaamheden als Rijks I-trainee. Op de foto mijn collega Désirée Castillo Gosker die tijdens de buitenlunch vertelt over het verplichte gebruik van open standaarden en de resultaten van het recente monitoring onderzoek: <https://lnkd.in/eqietwqt>

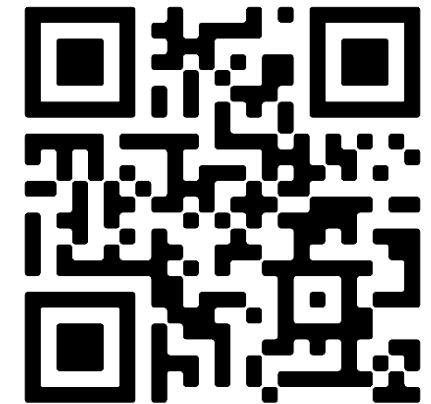
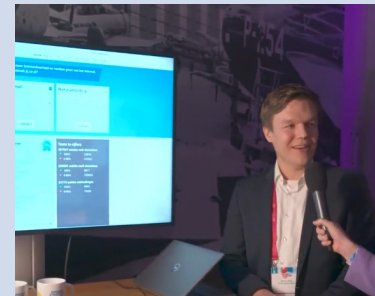


HLF Pledge: The Netherlands (MS)



Rijksoverheid

- **i-Traineeship on Standardisation - Internet.nl**
 - Forum Standaardisatie offers **traineeships** for a period of 8 months on **standardisation and internet security**
 - Internet.nl is a website created to easily check if a website or e-mailaddress is up to date with the current standards.
 - To raise awareness i-Trainees promote this tool at several events, e.g. together with state secretary for digitalisation Mrs. Alexandra van Huffelen.
- **Masterclass Standardisation for policy officers**
 - The Ministry of Economic affairs and Climate organizes regular masterclasses for standardization and accreditation

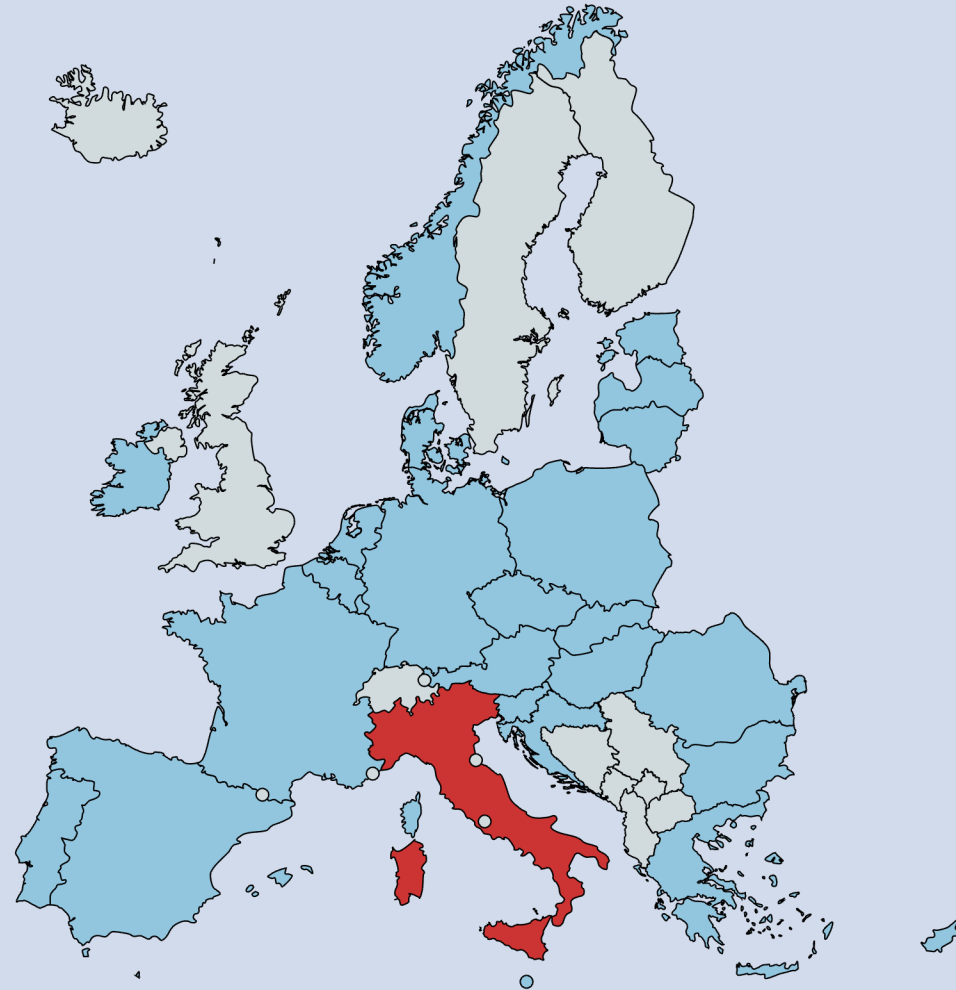


SCAN ME

HLF Pledge: CEI-Comitato Elettrotecnico Italiano

One or more pledge
signatories

Italy



Italy

MIMIT is developing pilot initiatives to complement the activities that the two national standards bodies, UNI and CEI, historically carry out.

We focused in particular on the Pledge's actions concerning:

- promote standardisation education by means of awareness campaigns with particular reference to new enabling technologies;
- develop dedicated educational modules on standardisation for business, law or engineering degrees.

We are also negotiating with the business associations of large, small and medium-sized enterprises to create internship opportunities for young graduates with theses on standardisation topics (UNI and CEI projects) and to create industrial doctorates on standardisation-related topics for enabling technologies.

Challenge: to succeed in creating a stable framework of collaboration between all parties involved.

1. Awareness campaigns aimed at national stakeholders to strengthen their ability to participate in standardization processes related to new enabling technologies in order to ensure competitive oversight on standardisation side.

Activities:

- MIMIT together with national standards bodies is acting as a hub between HLF discussions and national stakeholders to create a common and shared culture of standardisation by organising meetings with the national stakeholder group (collective meetings – four meetings in 2024 - and meetings dedicated to specific stakeholders - three meetings from December 2023 to May 2024) with insights on standardisation and new technologies in the sectors identified by the High Level Forum on European standardisation workstreams and the Commission Recommendation (EU) 2023/2113 of 3 October 2023 on critical technology areas for the EU's economic security.
 - Within 2024 opening of a online helpdesk of at least one of the national standards bodies at the network of higher-education institutes and public-research organizations to exploit research results also through standardisation. (2025 at the national digital innovation hubs).
2. Develop dedicated educational modules on standardisation: cycle of seminars on standardisation topics for the Higher School of Specialisation in Telecommunications of the Digital and Telecommunications Directorate General (MIMIT) including specific soft skills training. Open to engineers, accountants and lawyers, with recognition of training credits. Pilot to develop similar initiatives at Universities

HLF Pledge: CEI-Comitato Elettrotecnico Italiano

Ivano Visintainer – CEI - Technical Director

Present and past actions with respect to Education & Skills on Standards

Provide training opportunities for students and young graduates

Promote the engagement of students and young graduates in standardization-related work

- **High School Projects:** Awards for electrical and electronic plants projects complying with standards regarding energy efficiency and automation aspects
- **Universities:** Awards to theses related to standardization (for business, law or engineering degrees)
- **Free participation** of university and high school professors in the standardization activities
- **CEI Academy Program for Young Professional** (Young experts) with dedicated training and accessibility to YP international SDO programs (CENELEC and IEC)

HLF Pledge: CEI-Comitato Elettrotecnico Italiano

Ivano Visintainer – CEI - Technical Director

Present and past actions with respect to Education & Skills on Standards

Promote standardization education by means of awareness campaign

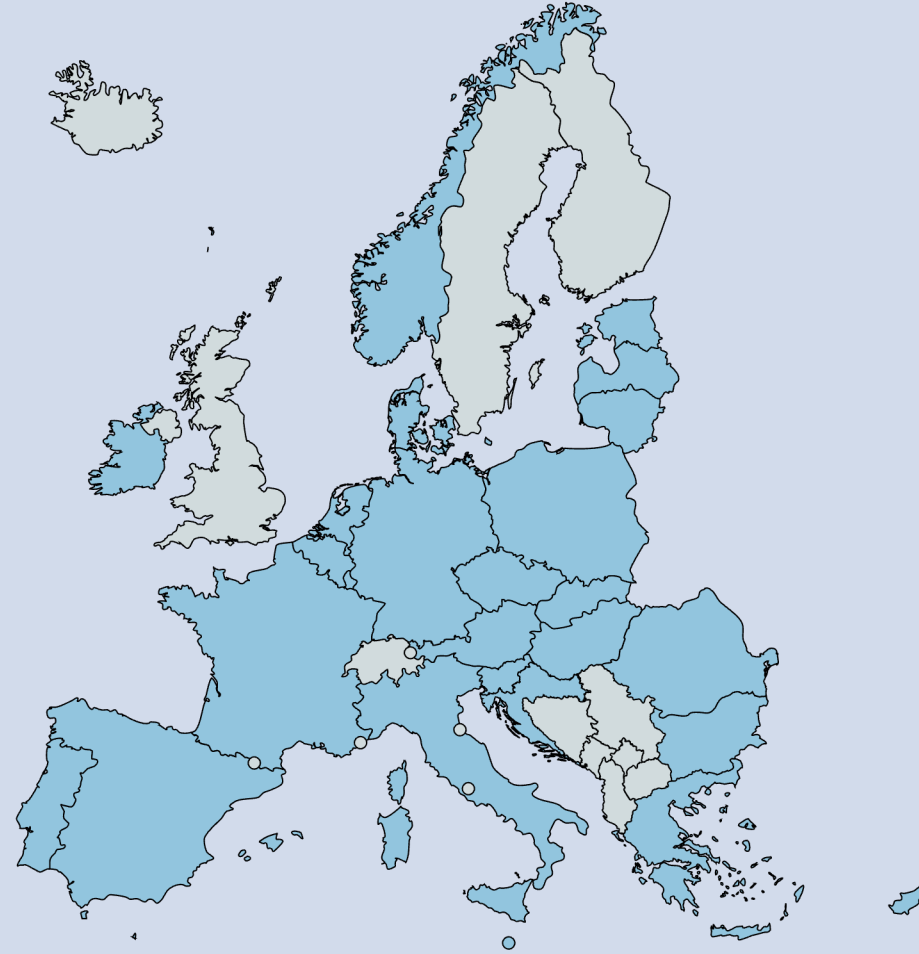
- **High schools and Universities:** Organization of seminars at schools/universities locations on standardization topics
- **Universities:** Invitation of university students to attend plenary meetings of international standardization committees

Develop dedicated educational modules on standardization for business, law or engineering degrees

- **Universities:** Agreements to identify operational forms of didactics aimed at the completion of the culture of undergraduates but also supporting Higher Education through participation and even direct involvement in both Research and Industrial Doctorate Programs, focused on the implementation of the Technical Standards on Innovative Projects.

HLF Pledge: DIGITALEUROPE

■ One or more pledge signatories



HLF Pledge: DIGITALEUROPE

Standardisation Traineeship Programme

DIGITALEUROPE, co-leader of Workstream 1, has proactively anticipated standardisation as a part of their traineeship programme and has initiated a **dedicated traineeship for students and young professionals** on the topic.

The activities of the standardisation trainee focuses on:

- the organization of DIGITALEUROPE's Standardisation & Interoperability Working Group
- the High-Level Forum on European Standardisation
- the Mutli-Stakeholder Platform

DIGITALEUROPE's first standardisation intern, Riccardo Fidato, was specifically assigned to follow standardisation including the HLF and WS1 as a **first example of the pledge in action**.

Riccardo participated in the **High-Level Forum meeting on 30 November**, where the pledge was launched.

DIGITALEUROPE is now training its second standardisation intern, Nina Cullen.



HLF Pledge: DIGITALEUROPE

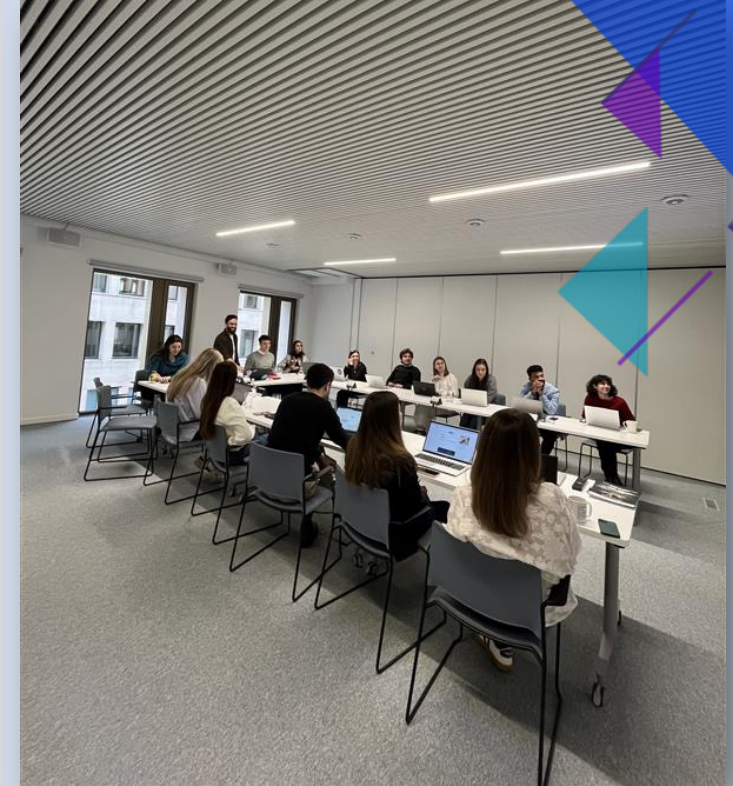
DIGITALEUROPE's Internal Standardisation Training

DIGITALEUROPE Skillshare on Standardisation

- Omar Dhaher (DIGITALEUROPE) has led several skillshare sessions on standardisation at the association level. The skillshares are comprised of a presentation and interactive session aimed at increasing knowledge on standardisation across the board.

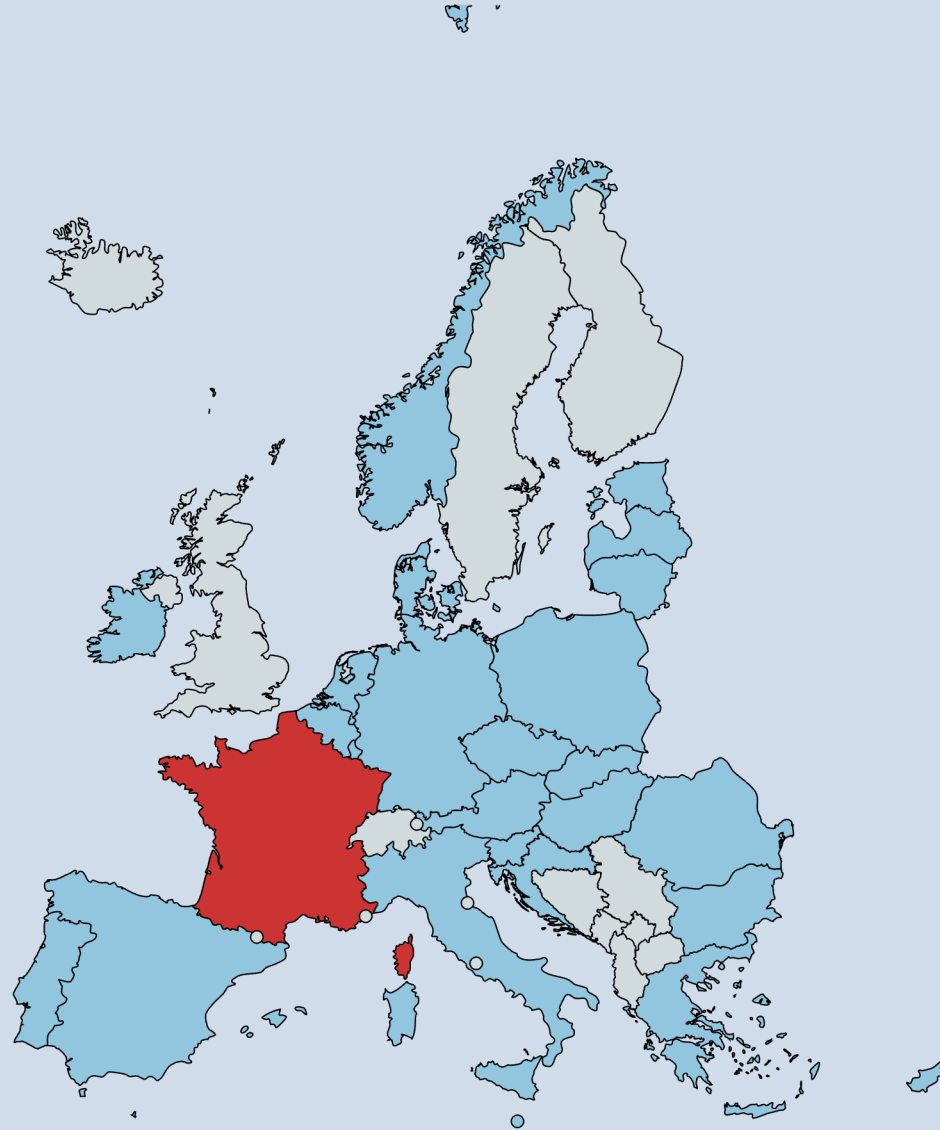
DIGITALEUROPE Standardisation Issue Groups on AI, DPP and Cybersecurity

- The Issue Groups on standardisation aim to upskill policymakers on specific areas of standardisation and to integrate it into their daily work.
- These groups aim to bring the gap between policy and technical expertise in a common forum.



HLF Pledge: French government

- One or more pledge signatories
- France



HLF Pledge: French government

A STEERING COMMITTEE « Education about Standardisation » has been set up to coordinate the actions carried out with representatives from French government and AFNOR

1. Provide training opportunities for students and young graduates, such as internships
 - *5 students are currently in internships at AFNOR to provide support and studies in Standardization activities (International affairs, digital and constructions standards, membership relations). One student is also in internship at the Ministry of Industry with the Interministerial Delegate to Standards to contribute to the development and implementation of a French standardization strategy*
2. Promote the engagement of students and young graduates in standardization-related work
 - *AFNOR plans to create a new category of its annual “Trophées Or Normes” for awarding a teacher and her/his class which have worked on a collective project dealing with standards and their benefits.*
 - *Furthermore, AFNOR intends to supply students trained on standardization with “micro-certifications” showing they have acquired knowledge of standardization*
3. Promote standardization education by means of awareness campaigns
 - *A partnership between “la Cité des Sciences et Industries” and AFNOR standardization foundation aims at promoting voluntary standards in thematic exhibitions. In 2023, this was the case for the « Précieux déchets/precious waste » and « Circular Economy » exhibitions*

HLF Pledge: French government

4. Develop dedicated educational modules on standardization for business, law or engineering degrees

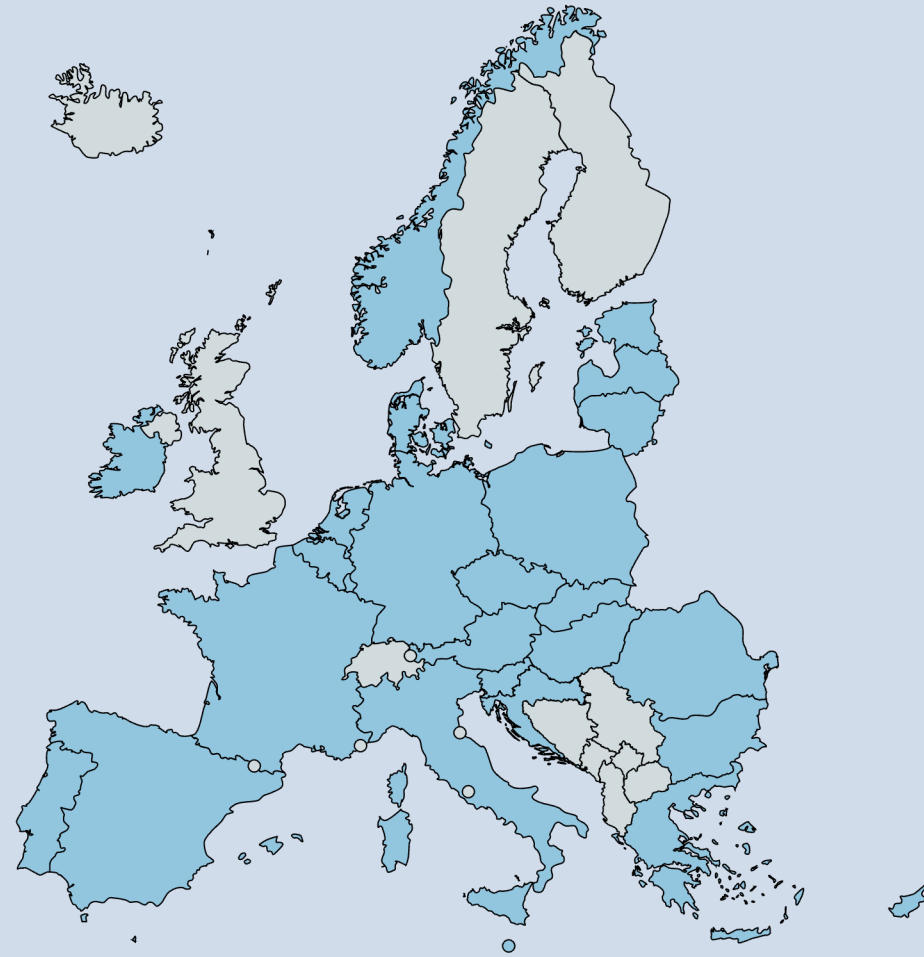
- In 2023, standardization lectures had been provided by AFNOR staff to more than 2000 students in 60 Universities/Higher Education Institutions, These modules cover general information on standardization and conformity assessment or train on specific standards (CSR, quality, Health, Energy, Health).
- By the end of 2024, e-learning modules will be proposed and made publicly available to raise awareness on standardization purpose.

5. Develop standardization expertise through Vocational and Education Training (VET)

- Each year, 150 new experts in standardization committees from different sectors are trained by AFNOR to the stakes and goal of standardization and the functioning rules at National, European and International levels.

HLF Pledge: Small Business Standards (SBS)

■ One or more pledge signatories



- **Organisation of workshops, events and training sessions** on standardisation and standardisation topics targeted at SMEs and SME associations
- **Internship opportunities** for young graduates to learn and research about specific standardisation topics
- **Trainings for SME experts** in Technical Committees at the European and International levels
- **Development of informative materials about standards and standardisation related topics**, e.g.; standards and conformity assessment, why standards matter and how to get involved, blockchain and distributed ledger technologies, information security management...
- **Awareness campaigns** about standards and standardisation targeted at SMES



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