Global Outreach Report

June 2023

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1. Foreword

The CEN and CENELEC Strategy 2030 Goal 5 is to strengthen CEN and CENELEC leadership and ambition at the international level through:

Enhancing CEN and CENELEC global outreach and influence through strengthening ISO and IEC.

International standardization to be a lever for sustainable development.

This Global Outreach Report provides a summary of CEN and CENELEC Global Outreach as of June 2023, including the level of technical alignment with ISO and IEC, as well as evolutions and trends in their cooperation with international partners.

This global outreach report therefore provides an update on CEN and CENELEC activities towards these three aims:

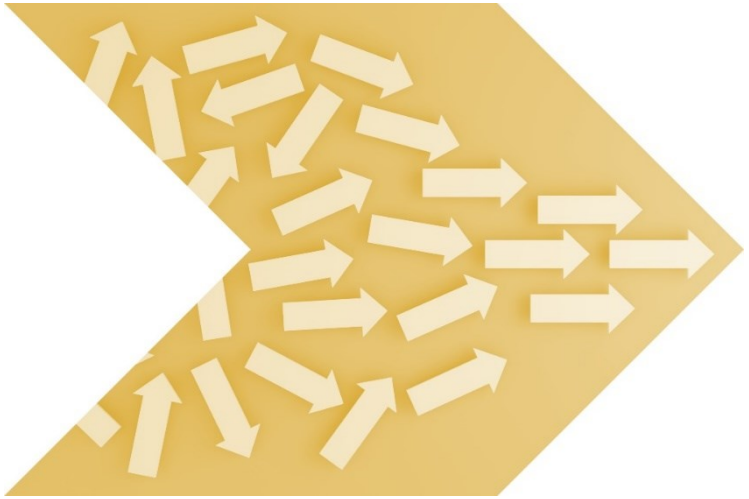
Prioritization of standardization activities at international level through the International Standardization Organization (ISO) and the International Electrotechnical Commission (IEC).

Enhancement of market access opportunities for European industry through increased technical alignment with other regions and countries.

Promotion of the European Standardization System (ESS) to other regions, sharing its strengths, experience and best practices.

The CEN and CENELEC Global Outreach Report is issued twice per year. Should you need more details on the statistics and other information provided in this report please contact Eric Marchand (emarchand@cencenelec.eu).

2. ALIGNMENT WITH INTERNATIONAL STANDARDIZATION



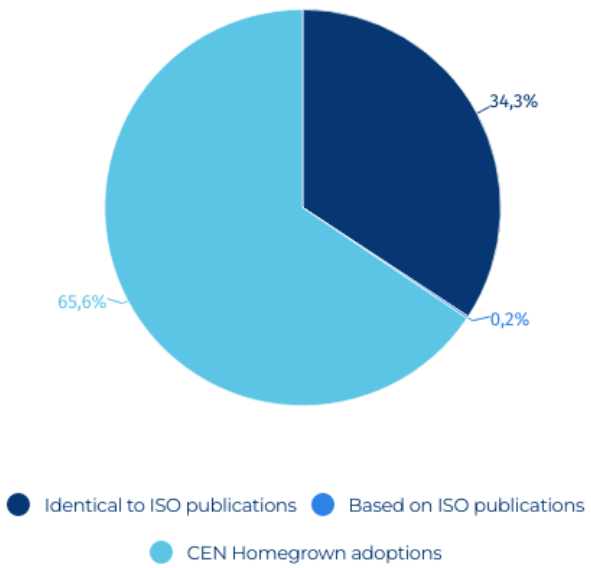
The vision of CEN and CENELEC Strategy 2030 is to build a safer, more sustainable and competitive Europe through European and International Standardization.

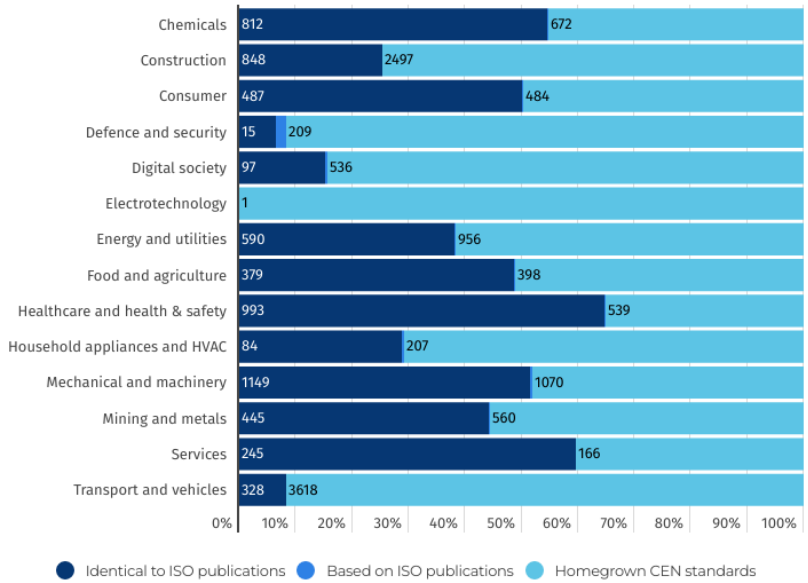
The Vienna and Frankfurt Agreements which CEN and CENELEC have with respectively ISO and IEC provide strong opportunities for technical alignment with these international standardization bodies.

This section shows to which extent CEN and CENELEC align with their international partners, including at sectorial level.

CEN PORTFOLIO IN RELATION TO ISO

The chart below shows the total number of active CEN standards (excluding Guides) broken down as follows: % of CEN homegrown standards, and % of those identically adopted from or based on ISO standards. End of Q1/2023, 34% of CEN's catalogue were made up of adoptions of ISO standards, whilst 65% of CEN's catalogue is composed of European homegrown standards.

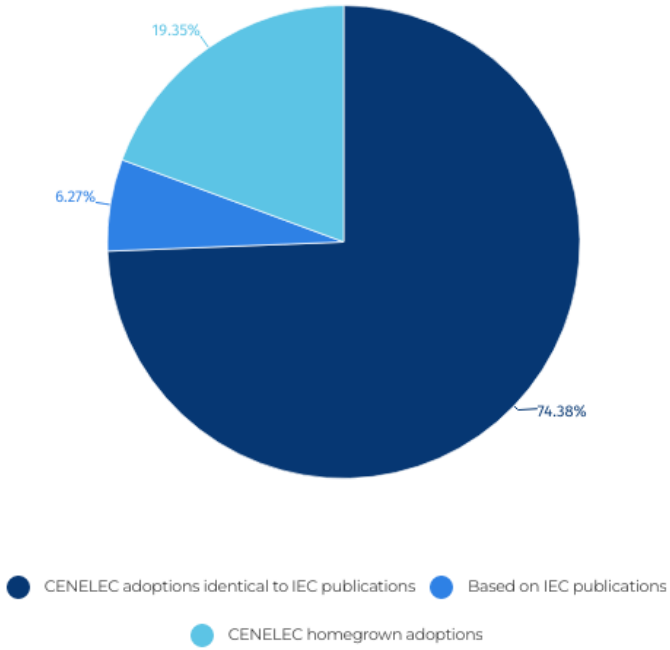


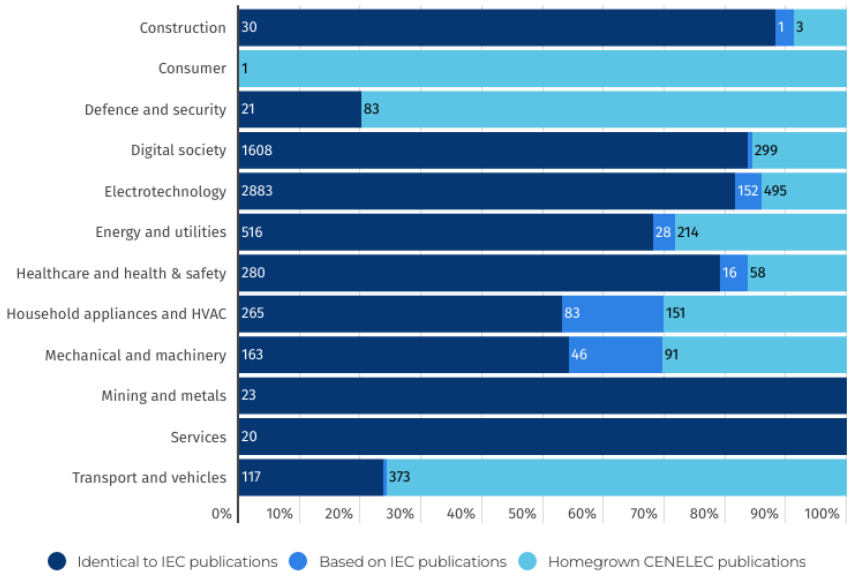


'Transport and vehicles' and 'Construction' comprise mainly homegrown European standards, whilst the 'Healthcare and health & safety' or 'Mechanical and machinery' sectors are more highly aligned with ISO.

CENELEC PORTFOLIO IN RELATION TO IEC

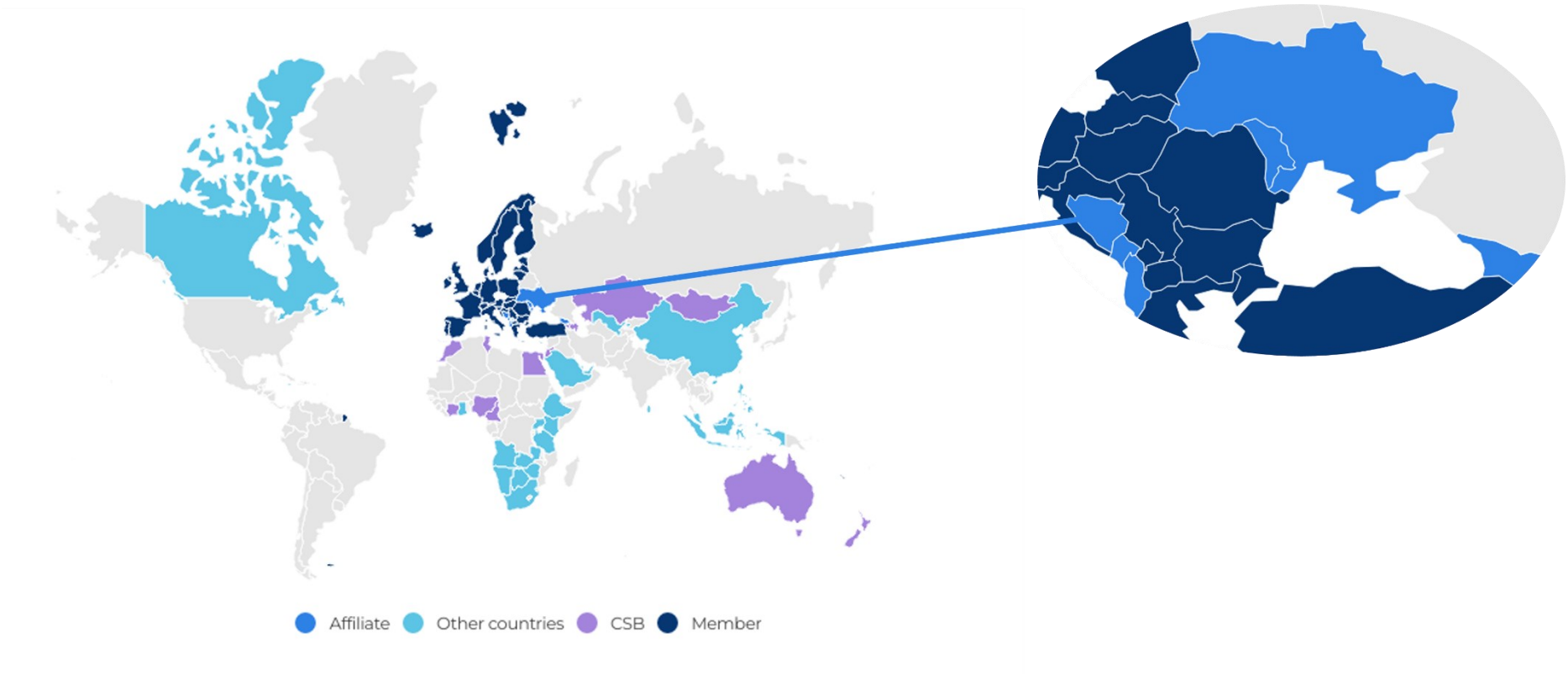
The chart below shows the total number of active CENELEC standards (excluding Guides) broken down as follows: % of homegrown CENELEC standards, and % of those identically adopted or based on IEC. End of Q1/2023, 74% of CENELEC's catalogue were made up of adoptions of IEC standards, and another 6% based on international standards, whilst only 19% of CENELEC's catalogue is composed of European homegrown standards.





Most sectors are highly aligned with IEC while 'Defence and security' and 'Transport and vehicles' consist mainly of homegrown European standards.

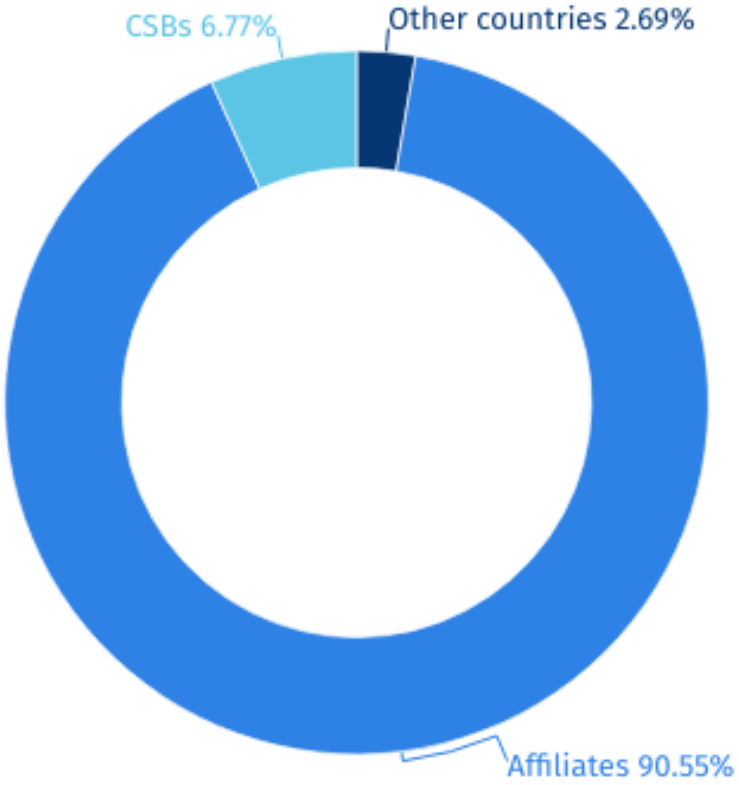
3. MARKET ACCESS OPPORTUNITIES THROUGH TECHNICAL ALIGNMENT



The following map shows the countries, outside CEN and CENELEC membership, which have adopted or are in the process of adopting or reviewing European standards.

124.388 adoptions of CEN and CENELEC standards

by **45 NSBs/NCs** and one regional standards body **(GSO)** outside CEN and CENELEC Membership.



TOTAL ADOPTIONS BY COUNTRY (JUNE 2023)

Country	Number of adoptions
Moldova	26.706
Bosnia and Herzegovina	23.327
Montenegro	22.688
Albania	22.440
Georgia	12.298
Ukraine	4.956
Tunisia	3.626
Morocco	3.409
Uzbekistan	837
Kosovo(*)	768
Saudi Arabia	549
Jordan	306
South Africa	244
Egypt	218
Kazakhstan	216
Lebanon	181
Sri Lanka	174
Armenia	159
Angola	153
Botswana	144
Ethiopia	135
Malaysia	129
Israel	118
Singapore	72
Mongolia	67
China	66
Ghana	61
Kenya	60
Australia	50
Mauritius	48
Indonesia	36
Cameroon	33
United Arab Emirates	25
Zambia	25
Philippines	18
New Zealand	12
Qatar	9
Saint Lucia	6
Zimbabwe	6
Namibia	3
Canada	3
Jamaica	3
Uganda	2
Swaziland	1
Tanzania	1
Grand Total	**124.388**

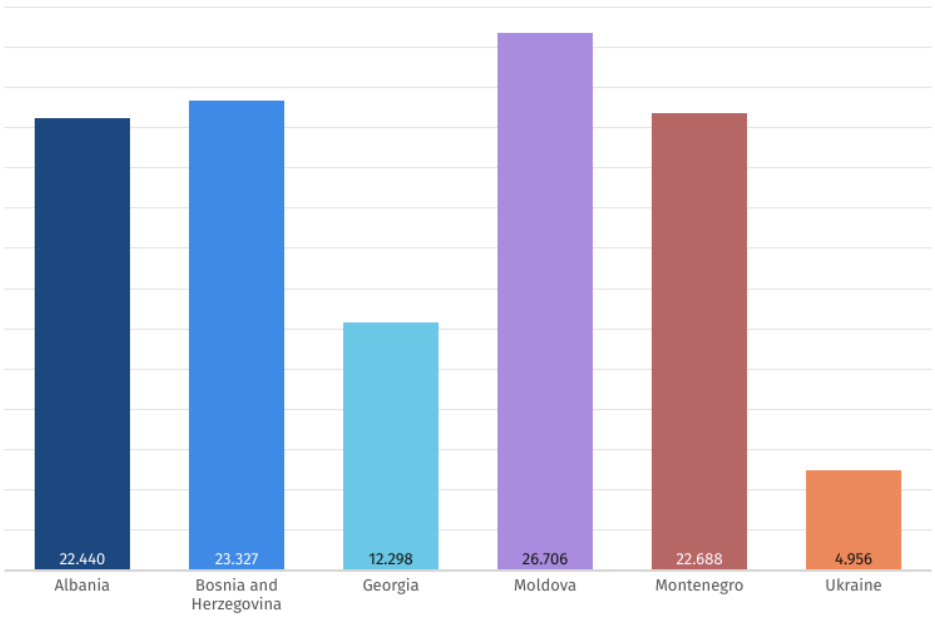
Country	Affiliate	CSB	Other countries
Albania	22.440		
Angola			153
Armenia		159	
Australia		50	
Bosnia and Herzegovina	23.327		
Botswana			144
Cameroon		33	
Canada			3
China			66
Egypt		218	
Ethiopia			135
Georgia	12.298		
Ghana			61
Indonesia			36
Israel		118	
Jamaica			3
Jordan		306	
Kazakhstan		216	
Kenya			60
Kosovo(*)			768
Lebanon		181	
Malaysia			129
Mauritius			48
Moldova	26.706		
Mongolia		67	
Montenegro	22.688		
Morocco		3.409	
Namibia			3
New Zealand		12	
Philippines			18
Qatar			9
Saint Lucia			6
Saudi Arabia			549
Singapore			72
South Africa			244
Sri Lanka			174
Swaziland			1
Tanzania			1
Tunisia		3.626	
Uganda			2
Ukraine	4.956		
United Arab Emirates			25
Uzbekistan			837
Zambia			25
Zimbabwe			6
Grand Total	**112.415**	**8.395**	**3.578**

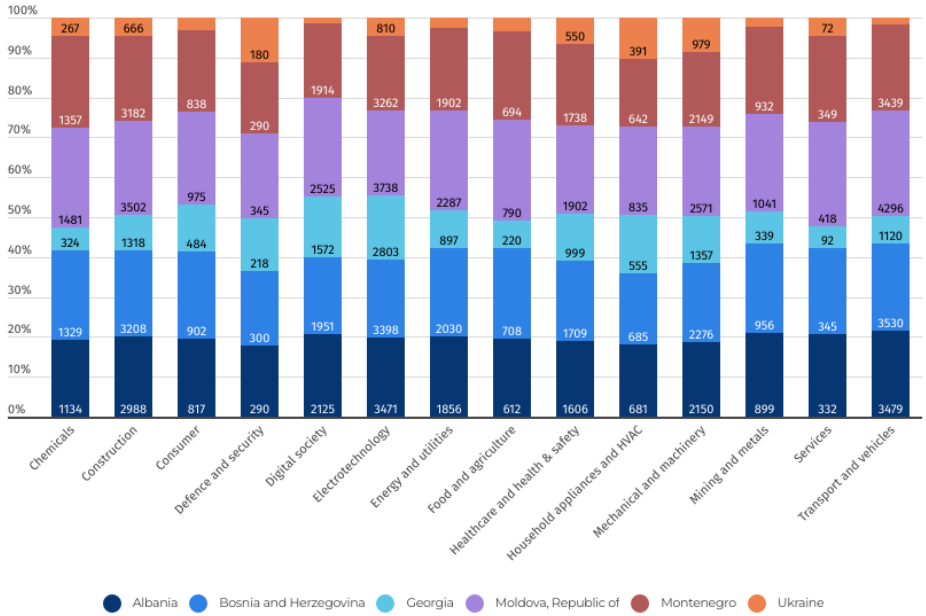
(*) The designation "Kosovo" is without prejudice to positions on status and is in line with UNSC 1244/99 and the ICJ opinion (2010) on the Kosovo Declaration of Independence.

'Other countries' are those with which CEN and/or CENELEC did not enter into a formal partnership framework.

ADOPTIONS BY AFFILIATES

Affiliates are NSBs/NCs of countries formally recognized as candidate or potential candidate for EU accession, hence the high level of European standards adopted.





The NSBs from Georgia, Moldova and Ukraine were given the status of Affiliates by the CEN and CENELEC General Assemblies, applicable as of January 2023.

At the end of May 2023, the **6** Affiliates of CEN and CENELEC are DPS (Albania), ISBIH (Bosnia and Herzegovina), GeoSTM (Georgia), ISM (Moldova), ISME (Montenegro) and SE UkrNDNC/DSTU (Ukraine). They have adopted a total of 112.415 CEN and CENELEC standards.

Logically, the six CEN and CENELEC Affiliates adopted many ENs as their countries (Albania, Bosnia and Herzegovina, Georgia, Moldova, Republic of Montenegro, Ukraine) are candidates for EU accession, this being one of the requirements of the '*Acquis Communautaire'* that their national standardization bodies become Members of CEN and CENELEC (and ETSI). One of the criteria for a NSB to become a CEN and CENELEC Member is that the NSB has to adopt at least 80% of CEN and CENELEC active standards. In 2022, the NSBs from Albania and Montenegro submitted their application for CEN and CENELEC membership and are currently working on the fulfilment of the membership criteria.

The NSBs from Moldova, Georgia and Ukraine have also adopted numerous CEN and CENELEC standards under their previous Companion Standardization Body (CSB) status.

ADOPTIONS BY CSBs

The Companion Standardization Body (CSB) status is available to NSBs/NCs that do not qualify to become Members or Affiliates, and which seek a privileged relationship with CEN and/or CENELEC. Amongst other services offered, CSBs have full and direct access to European standards and can participate as observers in the work of CEN and CENELEC technical bodies.

To date, CEN has **16** CSBs and CENELEC has **8** CSBs, mostly including countries from the EU Neighbourhood Policy, but also those from Australia, Cameroon, Kazakhstan, Ivory Coast, Mongolia, New Zealand and Nigeria. At the end of May 2023, CEN and CENELEC CSBs had adopted a total of 8.395 standards.

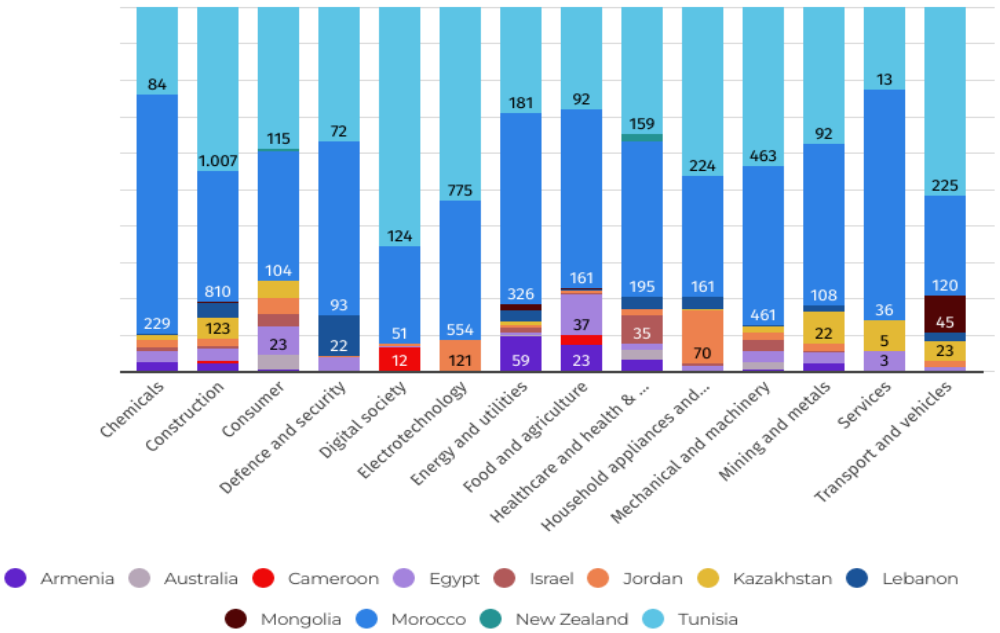
Morocco and Tunisia have concluded an Association Agreement with the EU and their standards bodies have adopted significant numbers of ENs (respectively 15% and 14% of CEN and CENELEC portfolios), in particular in the following sectors: Construction, Electrotechnology and Mechanical and Machinery.

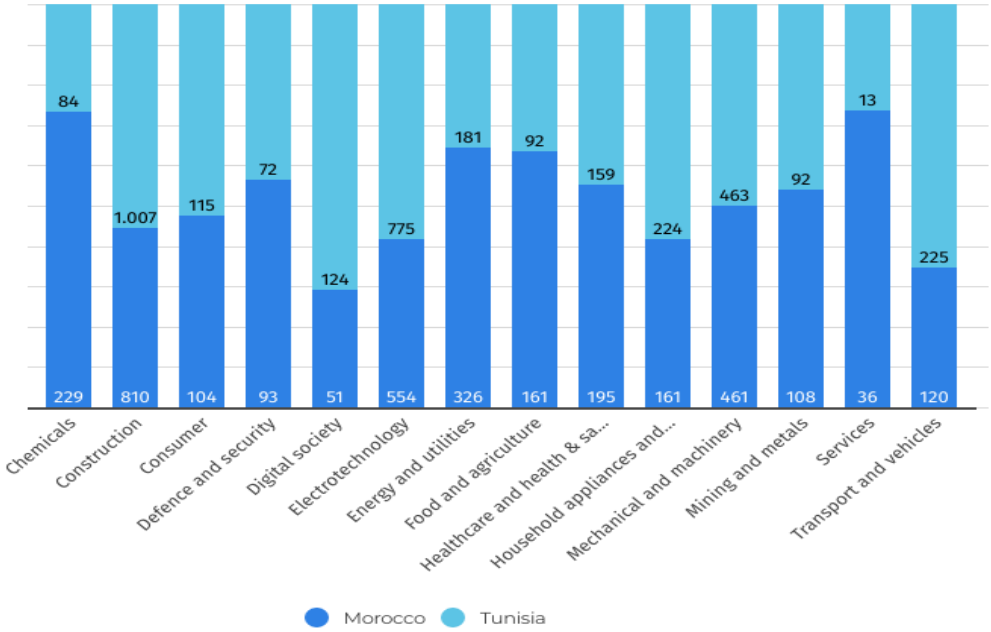
In March 2023, CEN General Assembly approved SON (Standardization Organization of Nigeria) application for CSB status in

CEN, applicable as of April 2023. And during the same month, SCC (Standards Council of Canada) made its application to become a CSB in CEN (under approval process).

The status of CSB is fully detailed in CEN-CENELEC Guide 13.

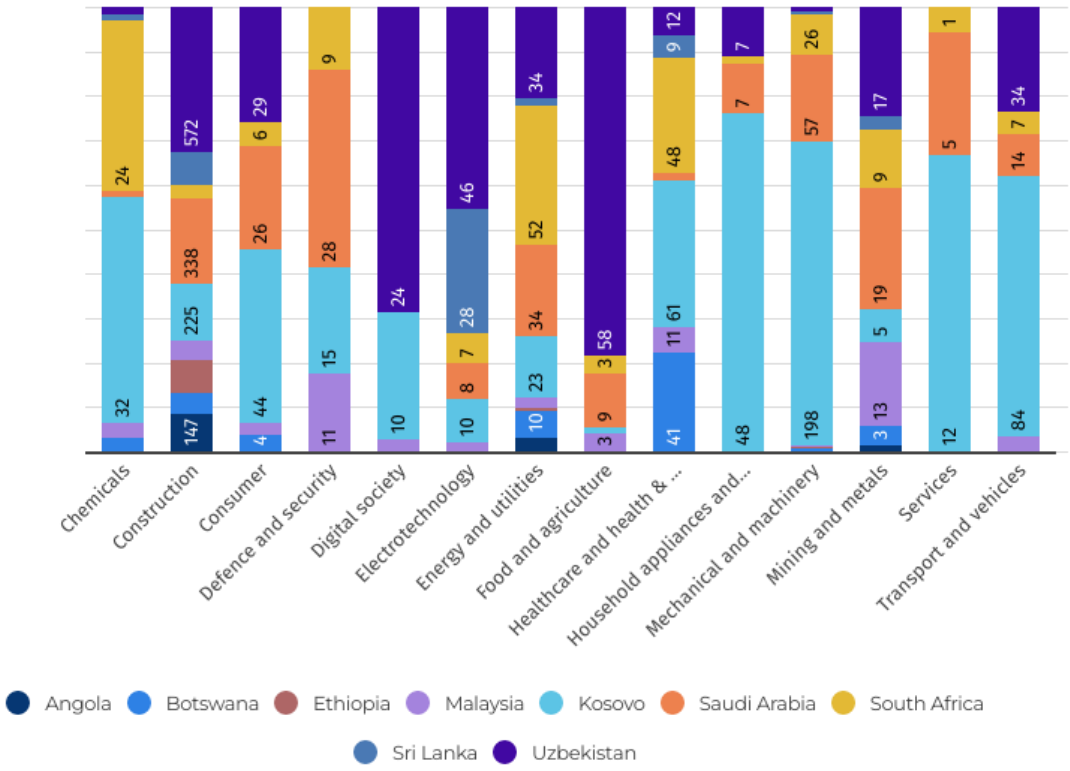
Country	Number of adoptions
Tunisia	3.626
Morocco	3.409
Jordan	306
Egypt	218
Kazakhstan	216
Lebanon	181
Armenia	159
Israel	118
Mongolia	67
Australia	50
Cameroon	33
New Zealand	12
Grand Total	**8.395**

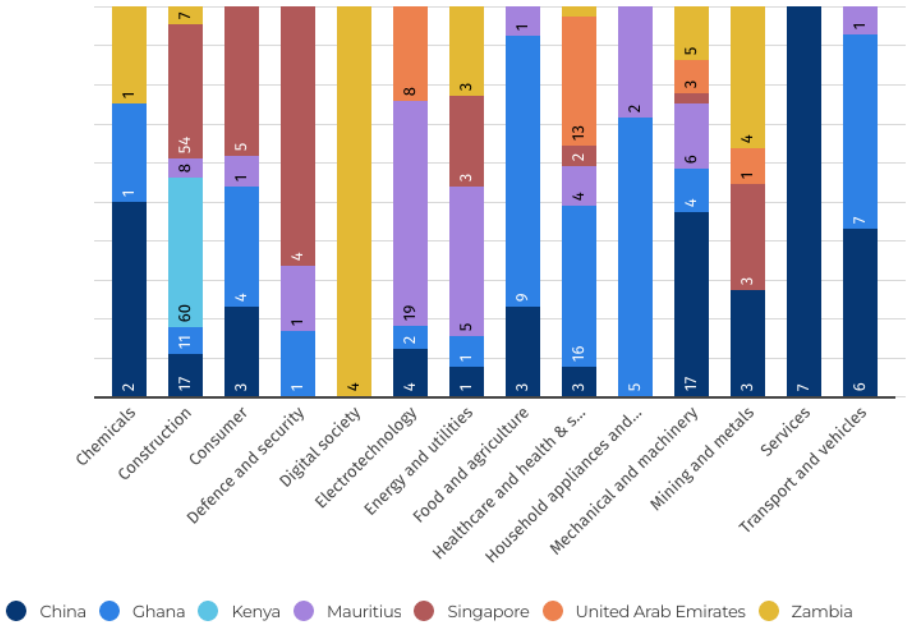


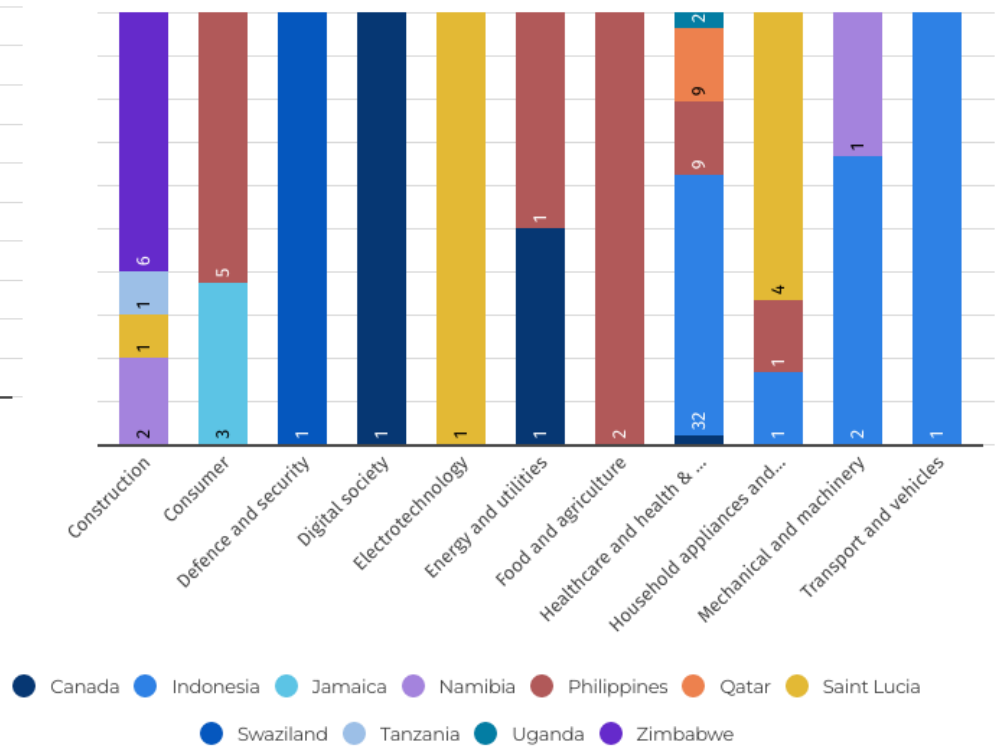


ADOPTIONS BY "OTHER COUNTRIES"

Country	Number of adoptions
Uzbekistan	837
Kosovo(*)	768
Saudi Arabia	549
South Africa	244
Sri Lanka	174
Angola	153
Botswana	144
Ethiopia	135
Malaysia	129
Singapore	72
China	66
Ghana	61
Kenya	60
Mauritius	48
Indonesia	36
United Arab Emirates	25
Zambia	25
Philippines	18
Qatar	9
Saint Lucia	6
Zimbabwe	6
Canada	3
Jamaica	3
Namibia	3
Uganda	2
Tanzania	1
Swaziland	1
Grand Total	**3578**







Other countries' main sector adoptions: Construction, Mechanical and machinery, Healthcare and health & safety.
China's highest level of adoptions are in the following sectors: Mechanical and Machinery (18 adoptions), Construction (17 adoptions) and Transport and Vehicles (6 adoptions).

Uzbekistan's most adoptions are in the Construction sector (572 adoptions), whilst Electrotechnology represents 46 adoptions and Energy and Utilities 34 adoptions.

The Republic of Kosovo adopted 225 standards in the Construction sector, 198 standards in the Mechanical and machinery sector, and 84 standards in the Transport and Vehicles sector.

4. CEN AND CENELEC INTERNATIONAL COOPERATION – LATEST DEVELOPMENTS

4.1 CEN and CENELEC outreach - cooperation frameworks

- BIS (India): in March 2022, CEN, CENELEC and BIS (India) concluded a Memorandum of Understanding with the main objective to develop their cooperation in the field of standardization based on Indian, European and international principles, laws, regulations and standards, in accordance with the economic interests of their respective stakeholders. This was followed by a study visit of a BIS delegation to Europe in June and by a bilateral meeting between CEN and CENELEC and BIS in September during which several potential topics of cooperation were identified such as climate change, circular economy, green and digital transition, transport or artificial intelligence.

- SAC (China): on 22 September 2022, a renewed Cooperation Agreement between CEN, CENELEC and SAC (China) was concluded. Amongst other areas of cooperation, this new Agreement foresees constructive exchanges and cooperation between technical committees for work at ISO and IEC, focused on common areas of interest. This Agreement will also be implemented in coordination with the 5th phase of the SESEC project (Seconded European Standardization Expert in China) which primarily aims to facilitate market access for European industry in this country.

- The fourth phase of the SESEI project (Seconded European Standardization Expert in India), due to conclude in August 2022, was extended until February 2023. End of 2022, an agreement was reached between the project partners (European Commission, EFTA, CEN, CENELEC and ETSI) to start a fifth phase, for a duration of one year (ending in February 2024) which might be extended beyond February 2024.

- The list of CEN and CENELEC cooperation frameworks can be found in Annex 1.

4.2 Three new Affiliates in CEN and in CENELEC as of 1 January 2023

Mid-2022, following the application of their countries for EU membership, SE UkrNDNC/DSTU (Ukraine), GEOSTM (Georgia) and ISM (Moldova) also submitted their application for Affiliate status in CEN and CENELEC. During their Common Session of 24 November 2022, CEN and CENELEC General Assemblies took the Decision to accept their application starting on 1 January 2023.

The status of Affiliate is available to any national standardization organization of a country formally recognised as candidate or potential candidate for EU membership. It aims at a high alignment with European standards and an even closer relation between their standardization system and the European, facilitating harmonisation with the European Single Market. Consequently, in the CEN and CENELEC system, becoming Affiliates is an intermediary step before becoming full members.

Up to now, SE UkrNDNC/DSTU, GEOSTM and ISM were already linked to CEN and CENELEC as Companion Standardization Bodies (CSBs). This is a status open to all national standardization organizations from countries interested in achieving technical harmonisation with Europe. CSBs, among other services offered, have full and direct access to European standards and can participate as observers to the work of CEN and CENELEC's technical bodies.

The Decisions of CEN and CENELEC General Assemblies to accept the NSBs/NCs from Georgia, Moldova and Ukraine as Affiliates as of January 2023 comes on the backdrop of a series of actions undertaken by CEN and CENELEC and their members to show their support to Ukraine.

On 3 March 2022, the CEN and CENELEC Presidential Committee took the Decision to put on hold CEN and CENELEC cooperation with GOST R (Russia), BELST (Belarus) and EASC (Eurasian regional standardization body) until further notice. They also reaffirmed and offered support of CEN and CENELEC to SE UkrNDNC/DSTU as a Companion Standards Body.

To monitor and coordinate the different initiatives identified – including financial or material support – CEN and CENELEC set up a 'Conflict Crisis Management Network' (Conflict CMN). The objective of the group is to share information on the impact of the EU and other sanctions on standardization-related activities, as well as to coordinate and enable a dynamic exchange on the different initiatives put in place at national level. The Conflict CMN meets regularly and includes the participation of SE UkrNDNC's leadership.

In June and November 2022 respectively, the CEN and CENELEC General Assemblies, having considered the dramatic crisis situation in Ukraine and the financial challenges that SE UkrNDNC/DSTU is facing, agreed to waive annual fees for 2022 and 2023, as CEN and CENELEC's financial support to SE UkrNDNC/DSTU in these difficult times.

4.3 UN SDGs:

The 2030 Agenda for Sustainable Development, adopted by the UN General Assembly, calls all countries and stakeholders to achieve the 17 Sustainable Development Goals (SDGs). In addition, the European Green Deal puts the SDGs at the heart of EU policy making and action.

To provide European stakeholders with an understanding of the support from standards to achieve the SDGs, CEN and CENELEC have begun a mapping exercise. To date, CEN and CENELEC have mapped more than 5.000 standards against the SDGs, through a dedicated website. This is a living list and that will be further developed to include more European standards.

A similar mapping of international standards is being carried out in ISO and IEC.

ANNEX 1 - CEN-CENELEC INTERNATIONAL COOPERATION FRAMEWORKS - STATUS JUNE 2023

Besides their dedication and commitment to ISO an IEC, CEN and CENELEC have always been open to cooperation with other standardization bodies worldwide, since they clearly acknowledge the importance of the European Standards they develop for trade and welfare, both inside and outside the European Economic Area. Under these cooperation frameworks, CEN and CENELEC encourage their partners to have stranger participation in ISO and IEC, but also to enable increased technical alignment and strategic engagement with Europe, as a complementary activity to the essential cooperation taking place within the framework of ISO and IEC. This also serve European industry and stakeholders' interests, creating market access opportunities in the countries concerned.

This section lists these cooperation frameworks in the following four categories:

1) Memoranda of Understanding with regional standardization bodies;
2) Cooperation Agreements with national standardization bodies;
3) CEN and CENELEC Affiliates;
4) CEN and CENELEC Companion Standardization Bodies.

1. Memoranda of Understanding (MoUs)

Region	Partners	Partner full name
Africa	CEN-ARSO	African Organization for Standardization
Africa	CENELEC-AFSEC	African Electrotechnical Standardization Commission
Americas-Caribbean	CEN-CENELEC-ETSI-COPANT	Pan American Standards Commission
Arab Countries	CEN-AIDSMO	Arab Industrial Development, Standardization and Mining Organization
Arab Countries	CENELEC-AIDSMO	Arab Industrial Development, Standardization and Mining Organization
Caribbean	CEN-CENELEC-CROSQ	CARICOM Regional Organization for Standards and Quality
Eurasia	CEN-CENELEC-ETSI-EASC	Euro-Asian Council for Standardization, Metrology and Certification
Eurasia	CEN-CENELEC-EEC	Eurasian Economic Commission
Gulf	CEN-CENELEC-ETSI-GSO	Gulf Cooperation Council Standardization Organization
South America	CEN-CENELEC-ETSI-AMN	MERCOSUR Standardization Association
South Asia	CEN-CLC-SARSO	South Asian Regional Standards Organization
Southern Africa	CEN-SADCSTAN	Southern African Development Community Cooperation in Standards

2. Cooperation Agreements

Partners	Country	Partner full name
CEN-CENELEC-KATS	South Korea	Korean Agency for Technology and Standards
CEN-CENELEC-GOST R	Russia	Federal Agency for Technical Regulating and Metrology
CEN-CENELEC-JISC	Japan	Japanese Industrial Standards Committee
CEN-CENELEC-SAC	China	Standards Administration of China
CEN-CENELEC-SCC	Canada	Standards Council of Canada
CEN-CENELEC-BIS	India	Bureau of Indian Standards

3. CEN and CENELEC Affiliates

Country	Organisation	Orgnisation full name
Albania	DPS	General Directorate of Standardization-Albania
Bosnia and Herzegovina	ISBIH	Institute for Standardisation of Bosnia and Herzegovina (ISBIH)
Georgia	GEOSTM	Georgian National Agency for Standards and Metrology
Moldova	ISM	Institute for Standardization of Moldova
Montenegro	ISME	Institute for Standardization of Montenegro
Ukraine	SE UkrNDNC	Ukrainian scientific-research and training center of issues of standardization, certification and quality

4. CEN and CENELEC Companion Standardization Bodies (CSBs)

Country	Organisation	Orgnisation full name	CSB with
Armenia	ARMSTANDARD	National Body for Standards and Metrology	CEN
Australia	SA	Standards Australia	CEN
Azerbaijan	AZSTAND	Azerbaijan Standardization Institute	CEN
Belarus	BELST	State Committee for Standardization of the Republic of Belarus	CEN & CENELEC
Cameroon	ANOR	Agence des Normes et de la Qualité	CEN
Côte D'Ivoire	CODINORM	Côte d'Ivoire Normalisation	CEN & CENELEC
Egypt	EOS	Egyptian Organization for Standardization and Quality Control	CEN
Egypt	IEC NC of Egypt	Ministry of Electricity & Renewable Energy	CENELEC
Israel	SII	Standards Institute of Israel	CEN & CENELEC
Jordan	JSMO	Jordan Standards and Metrology Organization	CEN & CENELEC
Kazakhstan	KAZMEMST	Committee for Technical Regulation and Metrology	CEN & CENELEC
Lebanon	LIBNOR	Lebanese Standards Institution	CEN
Mongolia	MASM	Mongolian Agency for Standardization and Metrology	CEN
Morocco	Morocco	Institut Marocain de Normalisation	CEN & CENELEC
New Zealand	SNZ	New Zealand Standards Organisation	CEN
Nigeria	SON	Standards Organisation of Nigeria	CEN
Tunisia	INNORPI	Institut National de la Normalisation et de la Propriété Industrielle	CEN & CENELEC