



**CENELEC**

# GLOBAL OUTREACH

REPORT Q4 2017



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# 1. Foreword

This Global Outreach report provides a summary of **CEN and CENELEC Global Outreach at the end of 2017**.

The situation at that time is reflected in the figures presented, including evolutions and trends.

## **Notable developments in 2017**

At the end of 2017 **91,5% of the previous foreign partners have transferred to the new Affiliation and Companion Standardization Bodies (CSB)** status, enjoying extended benefits including the possibility to participate in an unlimited number of CEN and CENELEC Technical Committees. At the end of 2017 CEN and CENELEC had three Affiliates, 15 CEN CSBs and 10 CENELEC CSBs. The remaining Affiliates are included in the "3<sup>rd</sup> country" category.

CEN and CENELEC **expanded their cooperation with other regions**, agreeing Memoranda of Understanding with: Eurasian Economic Commission (EEC) and the South Asian Regional Standards Organization (SARSO), with the aim of fostering region to region cooperation and collaboration on areas of common interest.

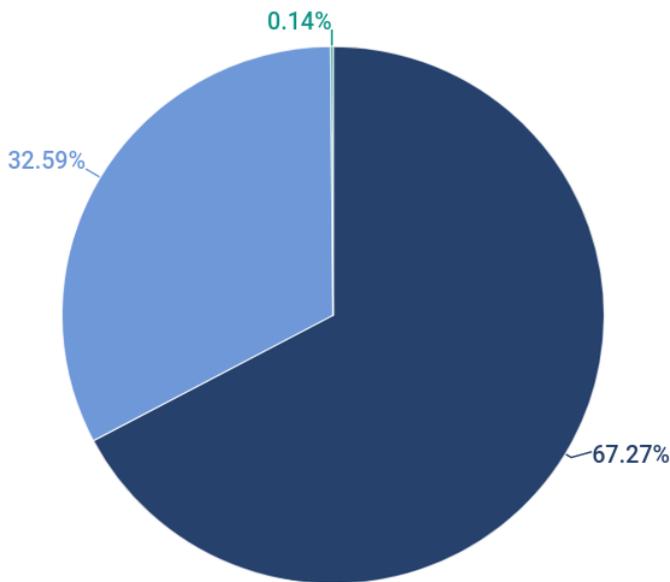
**For the first time the Standardization Administration of the People's Republic of China (SAC) has notified the adoption of some 91 European standards in China.** These adoptions further complement the activities undertaken under the CEN, CENELEC and SAC Cooperation Agreement, aiming to remove Technical Barriers to Trade between Europe and one of its most important trading partners.

On a general note, in 2017 some **6112 European standards have been adopted around the world**. Among the most active NSBs/NCs adopting European standards was INS (Moldova) who in 2017 notified the adoption of 3660 ENs, in total having adopted 70% CEN and CENELEC portfolio.

## 2. Alignment of European and ISO/IEC deliverables

### 2.1. Level of alignment between CEN and ISO deliverables

The below pie shows the CEN catalogue of deliverables: the % of homegrown deliverables as well as the identically adopted or based on ISO deliverables

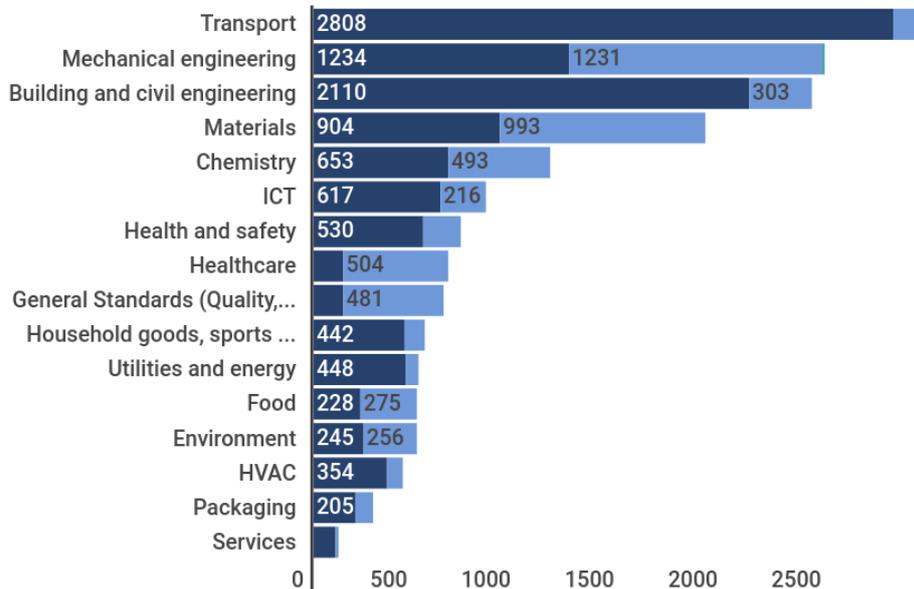


This graph represents the total CEN catalogue

In 2017, the **CEN catalogue** has increased with **314** deliverables, out of which 119 homegrown (compared to 2016). In total **33%** of the CEN catalogue is identical or based on the ISO deliverables.

● CEN homegrown deliverables ● Identical to ISO deliverables

● Based on ISO deliverables



This graph shows the level of **CEN alignment** with **ISO** on a **sectorial basis** (based on the CEN-CENELEC business domains).

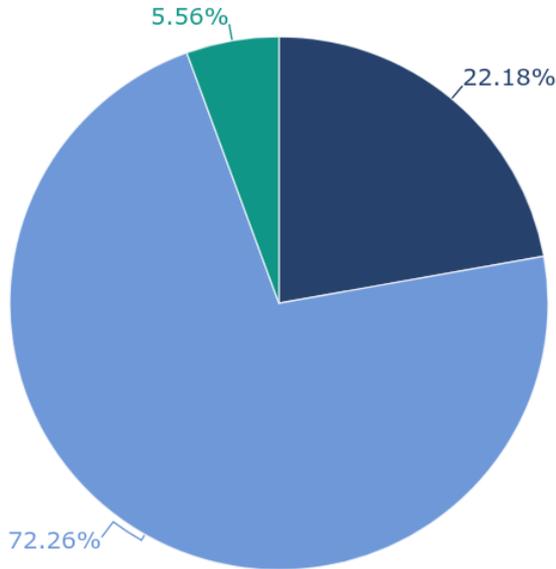
For instance, while **Transport** and **Building and Civil Engineering** have mainly **homegrown European deliverables**, the **Healthcare sector** is **highly aligned with ISO**.

● CEN homegrown deliverables ● Identical to ISO deliverables

● Based on ISO deliverables

## 2.2. Level of alignment between CENELEC and IEC deliverables

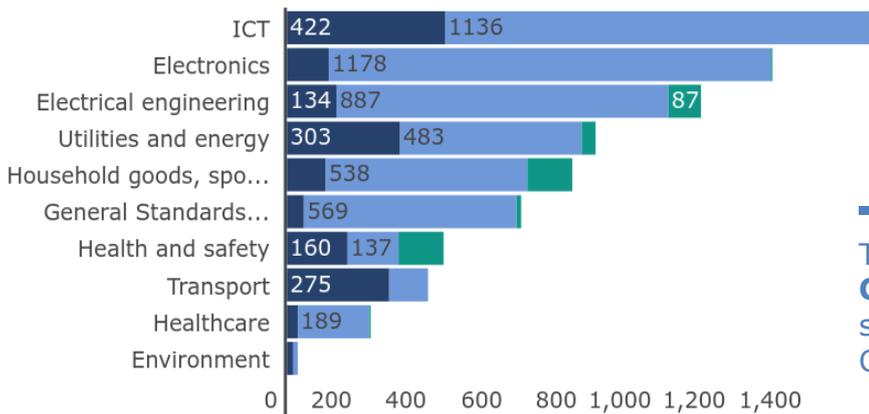
The below pie shows the CENELEC catalogue of deliverables: the % of homegrown deliverables as well as the identically adopted or based on IEC deliverables



This graph shows the total CENELEC catalogue

The **CENELEC catalogues** has increased with **178** deliverables out of which 152 are identical to IEC deliverables (compared to 2016). In total **72%** of the CENELEC catalogue is identical or based on the IEC deliverables.

● CENELEC homegrown deliverables ● Identical to IEC deliverables  
● Based on IEC deliverables

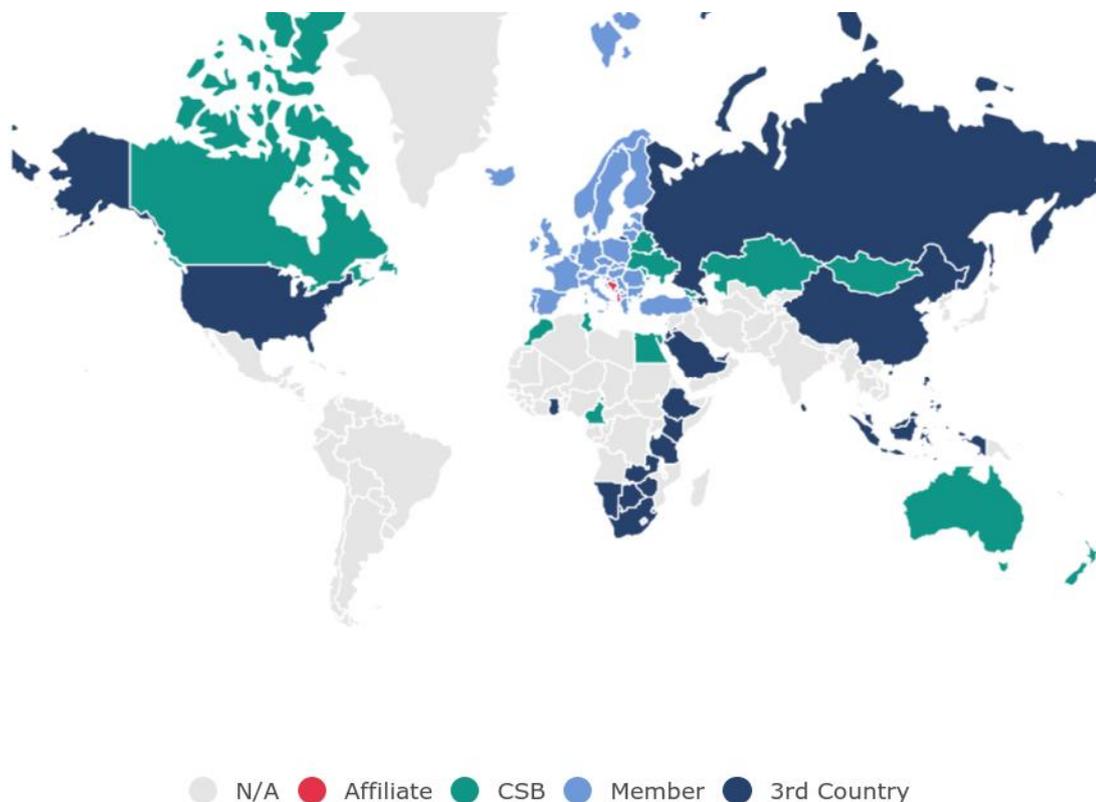


This graph shows the level of **CENELEC alignment** with **IEC** on a sectorial basis (based on the CENELEC business domains).

Most of the sectors are highly aligned with the IEC standards.

● CENELEC homegrown deliverables ● Identical to IEC deliverables  
● Based on IEC deliverables

### 3. Dissemination of CEN and CENELEC deliverables



The above map shows in **which countries European deliverables** (European Standards, Technical Specifications, etc) are **adopted, in the process of being adopted or reviewed** thanks to different partnerships CEN and CENELEC have in place with National Standardization Bodies (NSBs) and/or National Committees (NCs) outside their Membership.

Following the **revision of the foreign partnership concepts**, the cooperation with most NSBs/NCs outside their Membership has been impacted. Starting January 2017 CEN and CENELEC ensured the transition to the new partnerships, signing new agreements with the NSBs/NCs interested to continue their close cooperation with CEN and CENELEC.

The **Affiliate status** is available only to NSBs/NCs of countries formally recognized as potential candidate or EU accession countries. Currently this status is available only to DPS (Albania), BAS (Bosnia and Herzegovina) and ISME (Montenegro).

The **Companion Standardization Bodies (CSB)** is available to NSBs/NCs that do not qualify to become Members or Affiliates and want to have privileged relationships with CEN and/or CENELEC.

**3<sup>rd</sup> Countries** are the NSBs/NCs that signed a License Agreement for the adoption of European deliverables or a Copyright Declaration for the review of European deliverables.

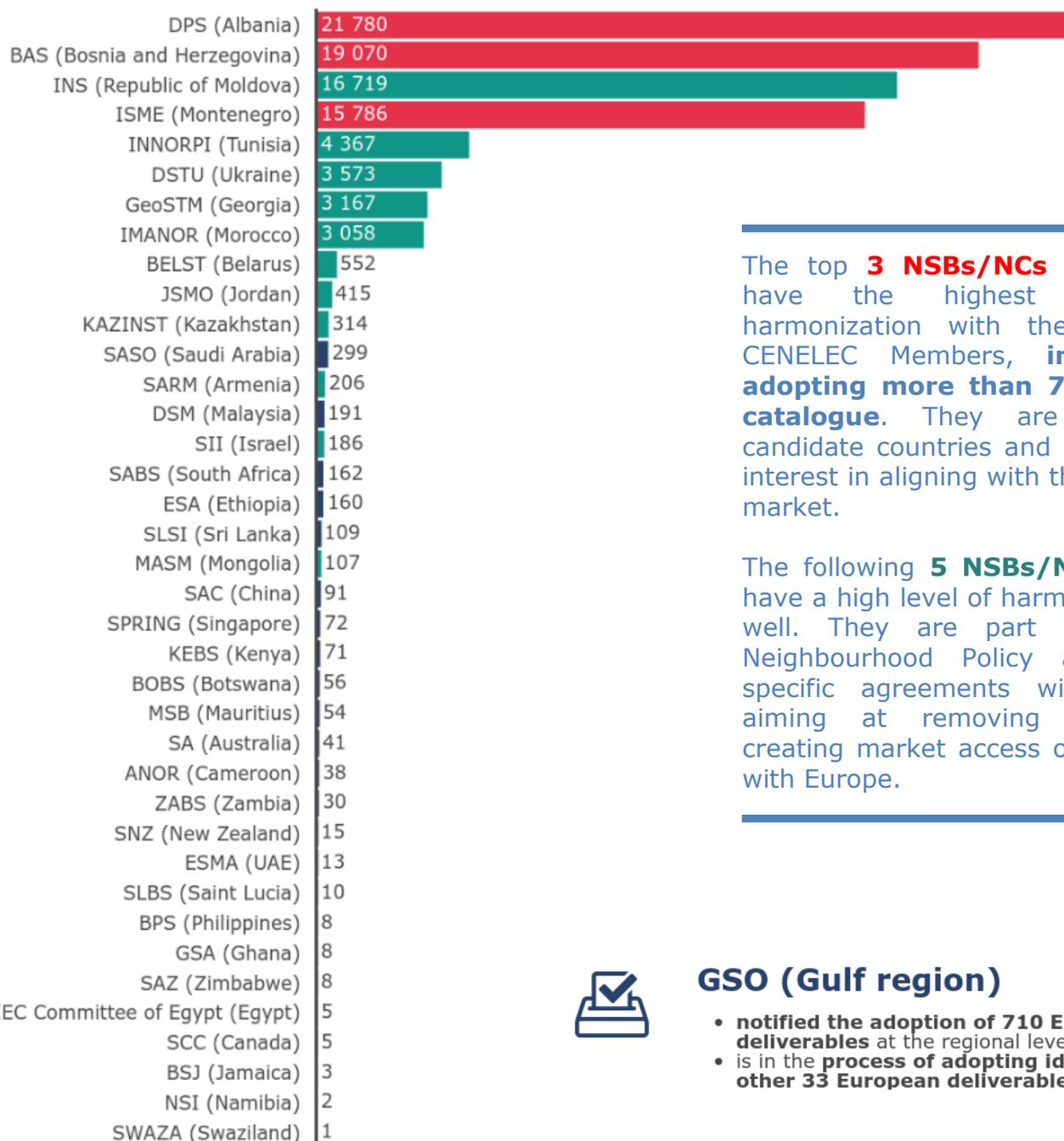
Following a transition period, most NSBs/NCs that had an agreement in the past with CEN and CENELEC have become Affiliates or CSBs. The NSBs/NCs from **Lebanon (LIBNOR), Azerbaijan (AZSTAND) and Egypt (EOS only)** are **expected to become CSBs** as well, however due to administrative procedures in their countries the signature process has been delayed. For this reason, these 3 NSB have not been included in the CSBs data sets analysed in this report but under "3<sup>rd</sup> country".

### 3.1. Overview European deliverables adopted



#### 90 747 active CEN and CENELEC deliverables

have been adopted by 37 NSB/NC outside the CEN and CENELEC membership



The graph shows the number of CEN and CENELEC **European deliverables** adopted by NSBs/NCs outside the CEN and CENELEC membership.

These figures are based on notifications received by CEN and CENELEC only.

The top **3 NSBs/NCs (Affiliates)** have the highest level of harmonization with the CEN and CENELEC Members, **in average adopting more than 79% of the catalogue**. They are from EU candidate countries and have a high interest in aligning with the European market.

The following **5 NSBs/NCs (CSBs)** have a high level of harmonization as well. They are part of the EU Neighbourhood Policy and signed specific agreements with the EU aiming at removing TBTs and creating market access opportunities with Europe.



#### GSO (Gulf region)

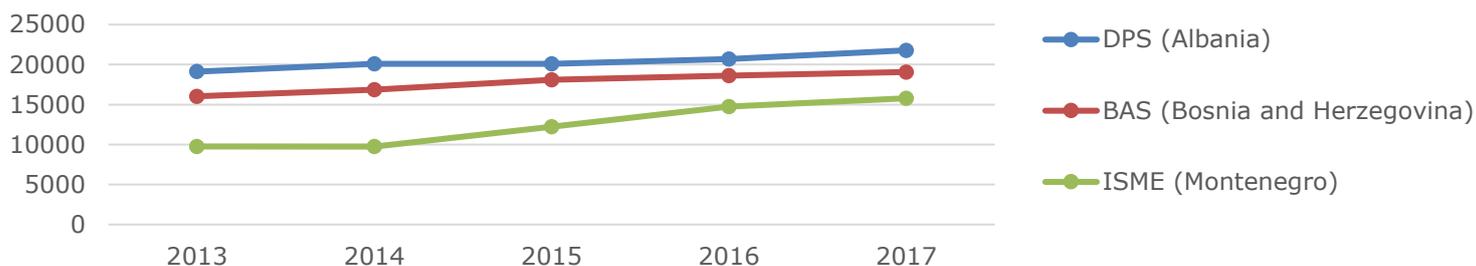
- notified the adoption of **710 European deliverables** at the regional level
- is in the **process of adopting identically other 33 European deliverable**

## 3.2. Trends adoption of European deliverables

The graphs below show the **active European deliverables notified as adopted by each NSB/NC** with whom CEN and CENELEC have an agreement in place: Affiliate, CSBs and 3<sup>rd</sup> countries.

The data considered for the below graphs includes only active European deliverables (active at the moment of calculation, end 2013, 2014, 2015, 2016 and 2017. As European deliverables are withdrawn from one year to another, they are excluded from the in the data set considered "active" of the next year, hence this explain why some NSBs/NCs show a decrease in adoptions of European deliverables from one year to another.

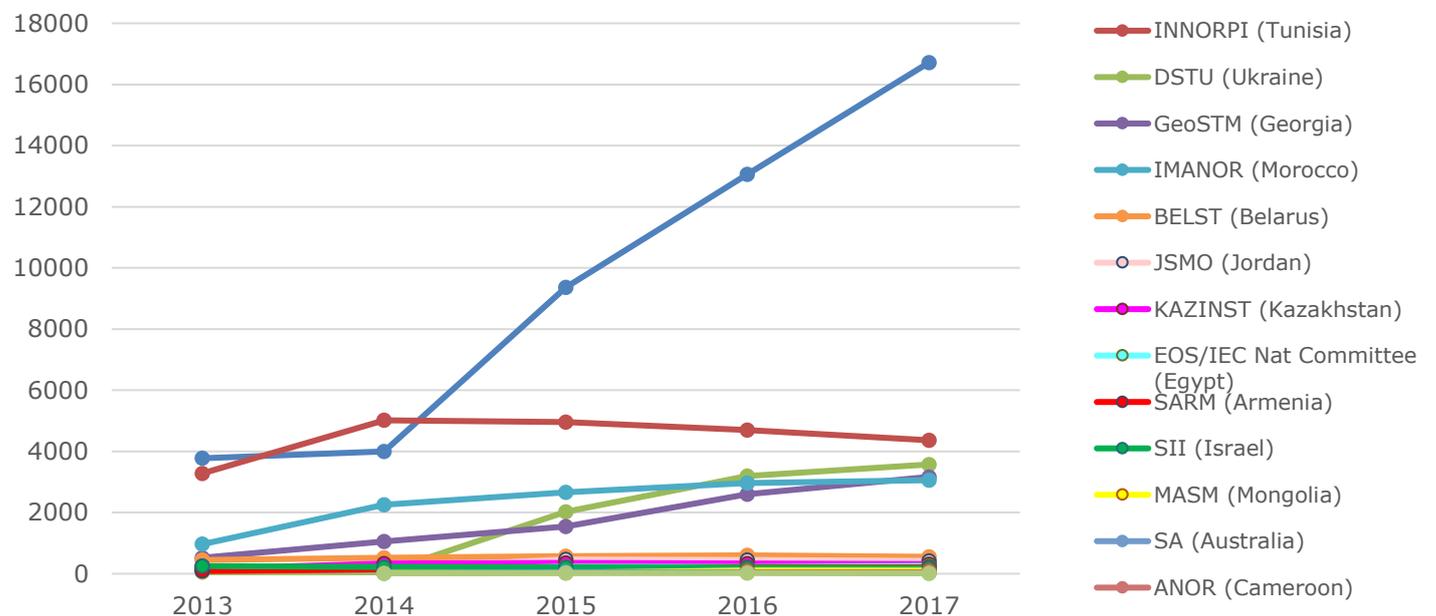
### Adoption European deliverables by Affiliates



The 3 Affiliates of CEN and CENELEC have a long standing cooperation with CEN and CENELEC.

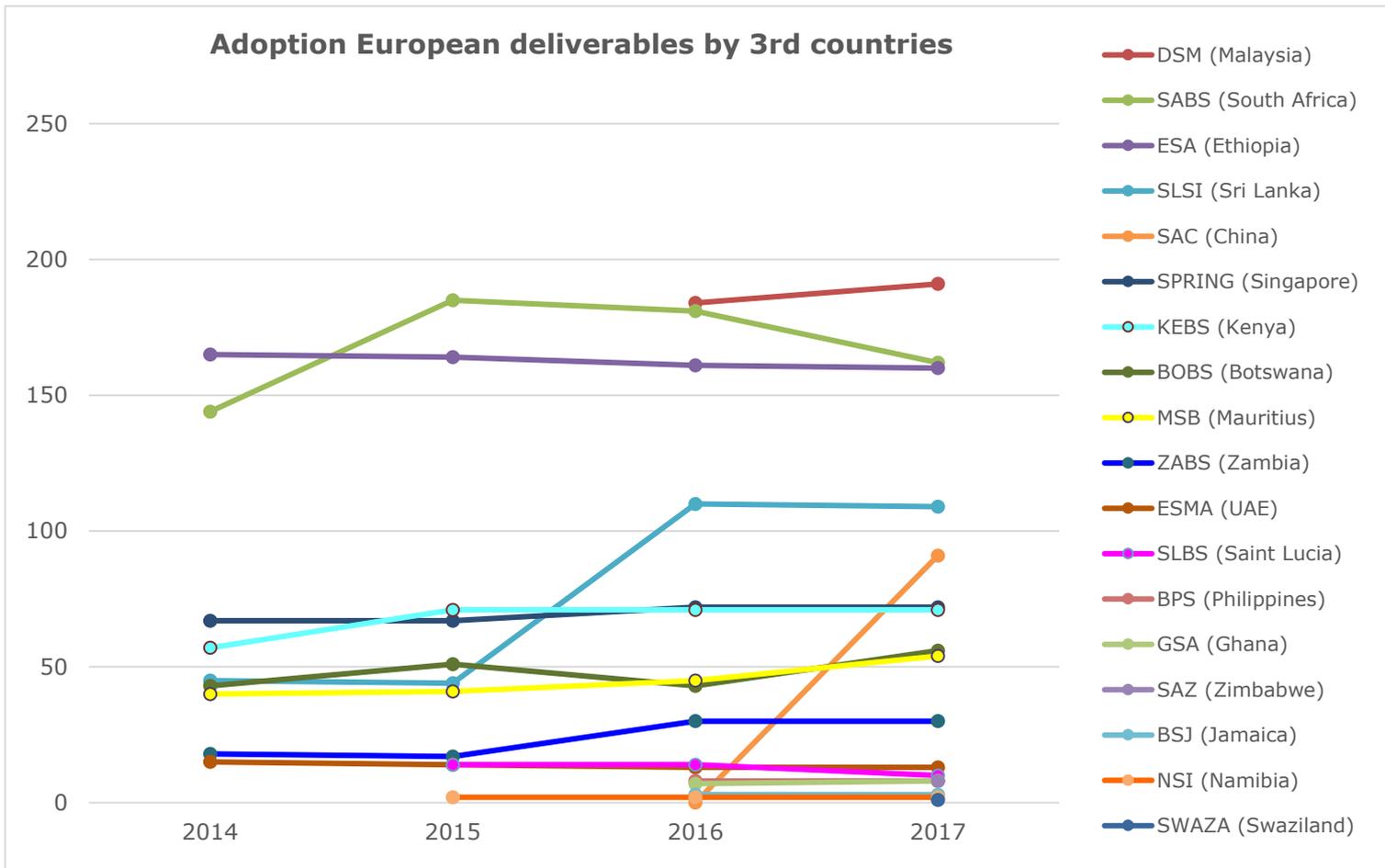
They are the NSBs/NCs of countries formally recognized as potential candidate or EU accession countries and have a high interest in aligning with CEN and CENELEC, hence the high level of European deliverables adopted.

### Adoption of European deliverables by the CSB



All the CSBs, except KAZMEMST, MASM, SA and ANOR are the NSBs/NCs of the countries included in the **European Neighbourhood Policy**. These countries have privileged relationships with the EU, and according to their geographic, economic and strategic interests, they have different levels of involvement in CEN and CENELEC TCs or adoption of European deliverables, which can be seen in the above graph as well.

Nevertheless, the Republic of Moldova, Ukraine and Georgia signed **Association Agreements and Deep and Comprehensive Free Trade Areas (DCFTAs)** with the EU which could **justify the increasing level of EU deliverables adopted by INS, DSTU and GeoSTM.**



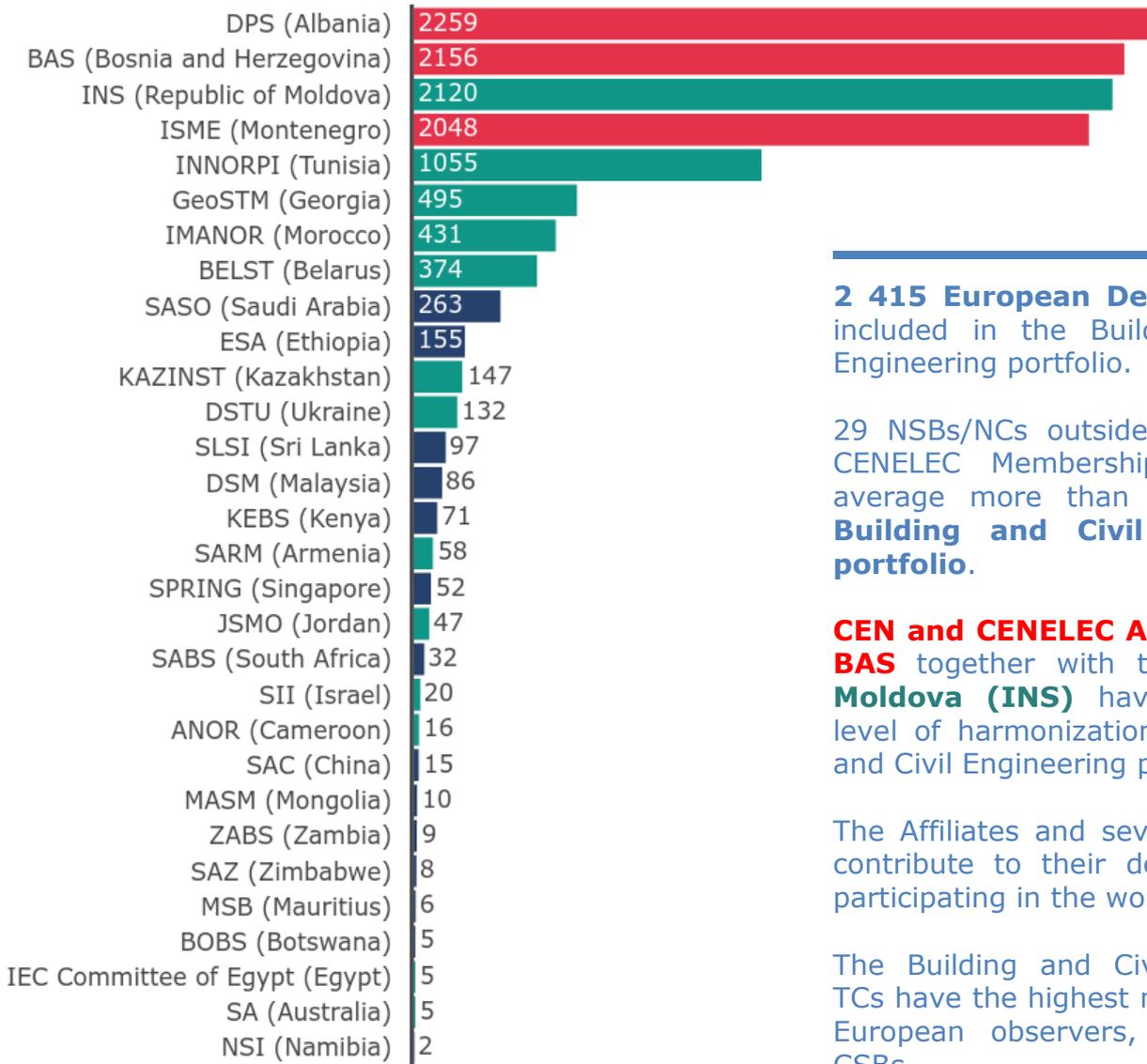
CEN and CENELEC sign License Agreements with 3<sup>rd</sup> countries NSBs/NCs that are interested in adopting European deliverables and are not interested in establishing a formal partnership such as CSBs.

At the end of 2013, 8 such NBSs/NCs have notified the adoption of 608 European deliverables. Both the number of requests from new NSBs/NCs and the number of European deliverables adopted have increased since: at the end of 2017 **19 NSBs/NCs notified the adoption of 1348 European deliverables.**

The number of European deliverables adopted by these countries is considerably higher, however we only consider the active European deliverables at the moment of calculation. Several NSBs/NCs are in the process of adopting the newly published European deliverables that replace the withdrawn ones, yet this is a continuous process that takes time depending on each country's procedures.

# 4. The global dimension of the CEN and CENELEC Business Domain

## 4.1. Building and civil engineering



**2 415 European Deliverables** are included in the Building and Civil Engineering portfolio.

29 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **17% of the Building and Civil Engineering portfolio.**

**CEN and CENELEC Affiliates, DPS, BAS** together with the **CSB from Moldova (INS)** have the highest level of harmonization with Building and Civil Engineering portfolio.

The Affiliates and several CSBs also contribute to their development by participating in the work of the TCs.

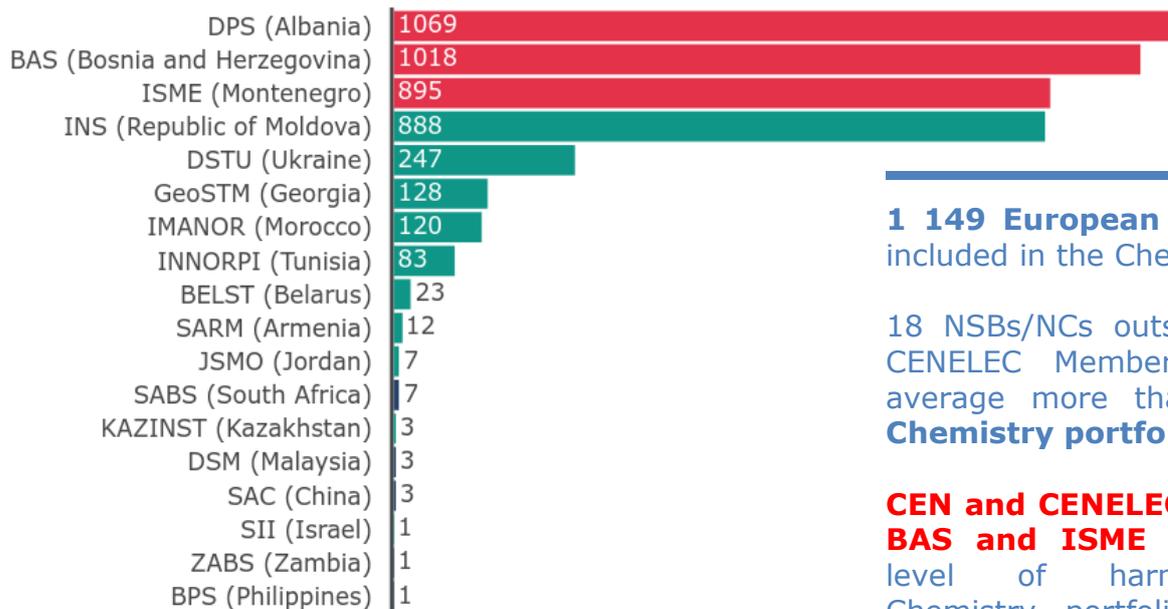
The Building and Civil Engineering TCs have the highest number of non-European observers, Affiliates and CSBs.



### 47 non-European observerships in Business and Civil Engineering TCs

- **BELST (Belarus) - 20 TCs**
- **ISME (Montenegro) - 12 TCs**
- **DPS (Albania) - 5 TCs**
- **BAS (Bosnia and Herzegovina) - 4 TCs**
- **KAZMEMST (Kazakhstan) - 2 TCs**
- **ISM (Moldova, Republic of) - 2 TCs**
- **SARM (Armenia) - 1 TC**
- **MASM (Mongolia) - 1 TC**

## 4.2. Chemistry



**1 149 European Deliverables** are included in the Chemistry portfolio.

18 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **22% of the Chemistry portfolio**.

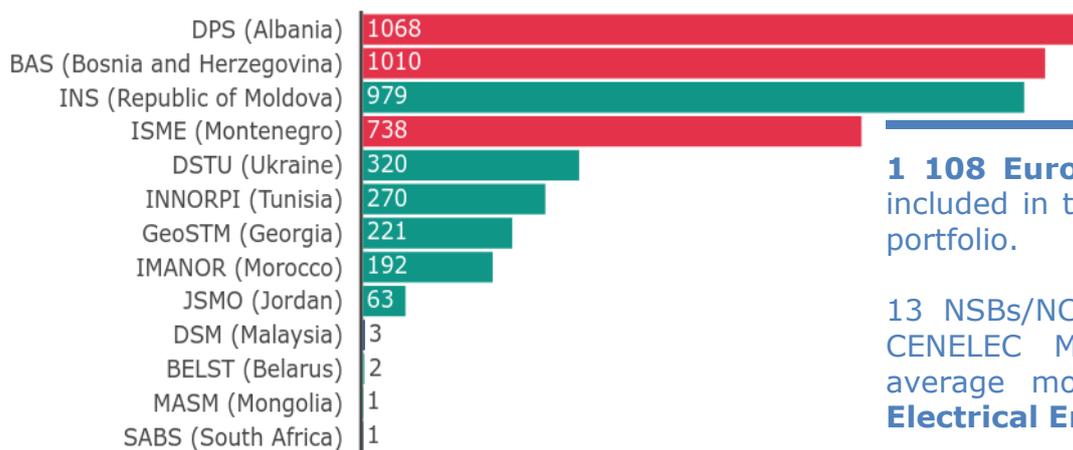
**CEN and CENELEC Affiliates, DPS, BAS and ISME** have the highest level of harmonization with Chemistry portfolio as well as a strong participation in the work of the TCs.



### 15 non-European observerships in Chemistry TCs

- **BAS (Bosnia and Herzegovina) - 9 TCs**
- **BELST (Belarus) - 2 TCs**
- **JSMO (Jordan) - 2 TCs**
- **ISME (Montenegro) - 1 TC**
- **DPS (Albania) - 1 TC**

## 4.3. Electrical engineering



**1 108 European Deliverables** are included in the Electrical Engineering portfolio.

13 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **34% of the Electrical Engineering portfolio**.

**CEN and CENELEC Affiliates** and several **CSBs** have the highest level of harmonization with Electrical Engineering portfolio.

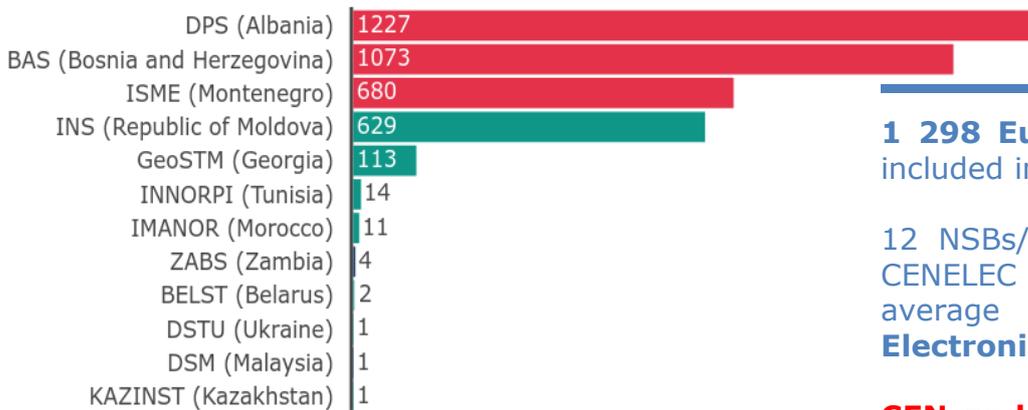
Few 3<sup>rd</sup> countries NSBs/NCs adopted Electrical Engineering deliverables, which could be explained by the fact that **88% of the portfolio deliverables are identical or based on the IEC deliverables**.



### 2 non-European observerships Electrical engineering TCs

- **BAS (Bosnia and Herzegovina) - 1 TC**
- **ISME (Montenegro) - 1 TC**

## 4.4. Electronics



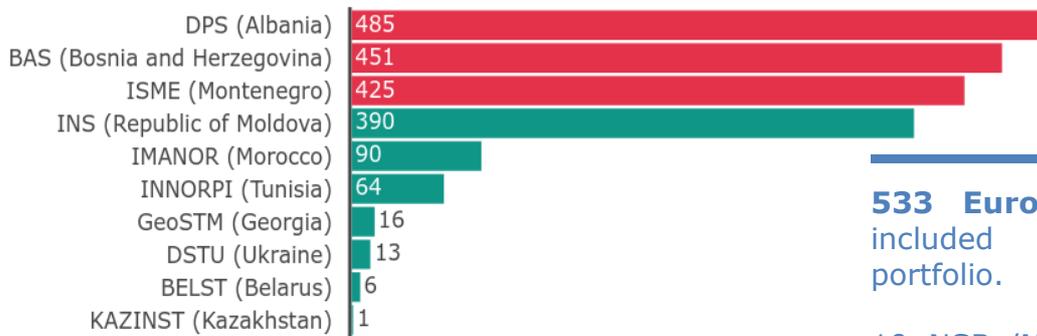
**1 298 European Deliverables** are included in the Electronics portfolio.

12 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **24% of the Electronics portfolio**.

**CEN and CENELEC Affiliates** have the highest level of harmonization with Electronics portfolio.

The Electronics TCs do not have any non-European observers.

## 4.5. Environment



**533 European Deliverables** are included in the Environment portfolio.

10 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **36% of the Environment portfolio**.

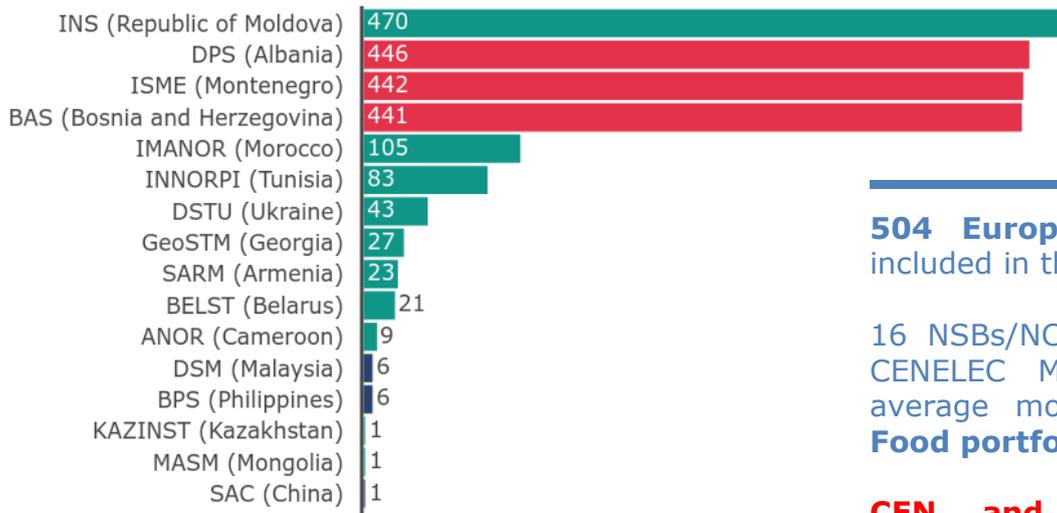
**CEN and CENELEC Affiliates** together with some **CSBs** have adopted most Environment deliverables. Some Affiliates also contribute to their development by participating in the work of the TCs.



### 9 non-European observerships in Environment TCs

- **BAS (Bosnia and Herzegovina) - 4 TCs**
- **ISME (Montenegro) - 3 TCs**
- **BELST (Belarus) - 1 TC**
- **JISC (Japan) - 1 TC**

## 4.6. Food



**504 European Deliverables** are included in the Food portfolio.

16 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **26% of the Food portfolio**.

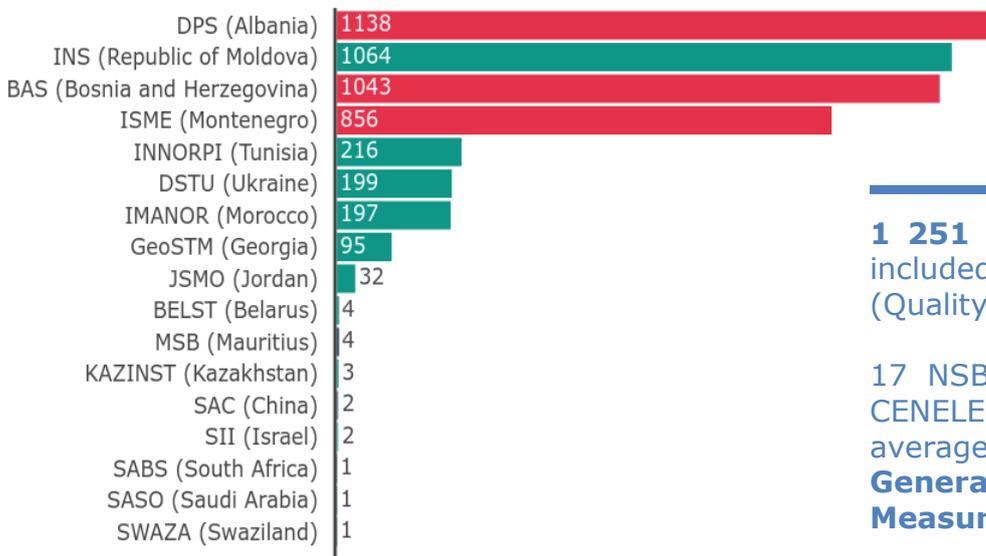
**CEN and CENELEC Affiliates** together with the majority of **CSBs** have adopted most Food deliverables. The Affiliates and some CSBs also contribute to their development by participating in the work of TCs.



### 14 non-European observerships in Food TCs

- **BAS (Bosnia and Herzegovina) - 5 TCs**
- **ISME (Montenegro) - 5 TCs**
- **DPS (Albania) - 1 TC**
- **JISC (Japan) - 1 TC**
- **INS (Moldova, Republic of) - 1 TC**
- **BELST (Belarus) - 1 TC**

## 4.7. General Standards (Quality, Measurement,...)



**1 251 European Deliverables** are included in the General Standards (Quality, Measurement,...) portfolio.

17 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **23% of the General Standards (Quality, Measurement,...) portfolio**.

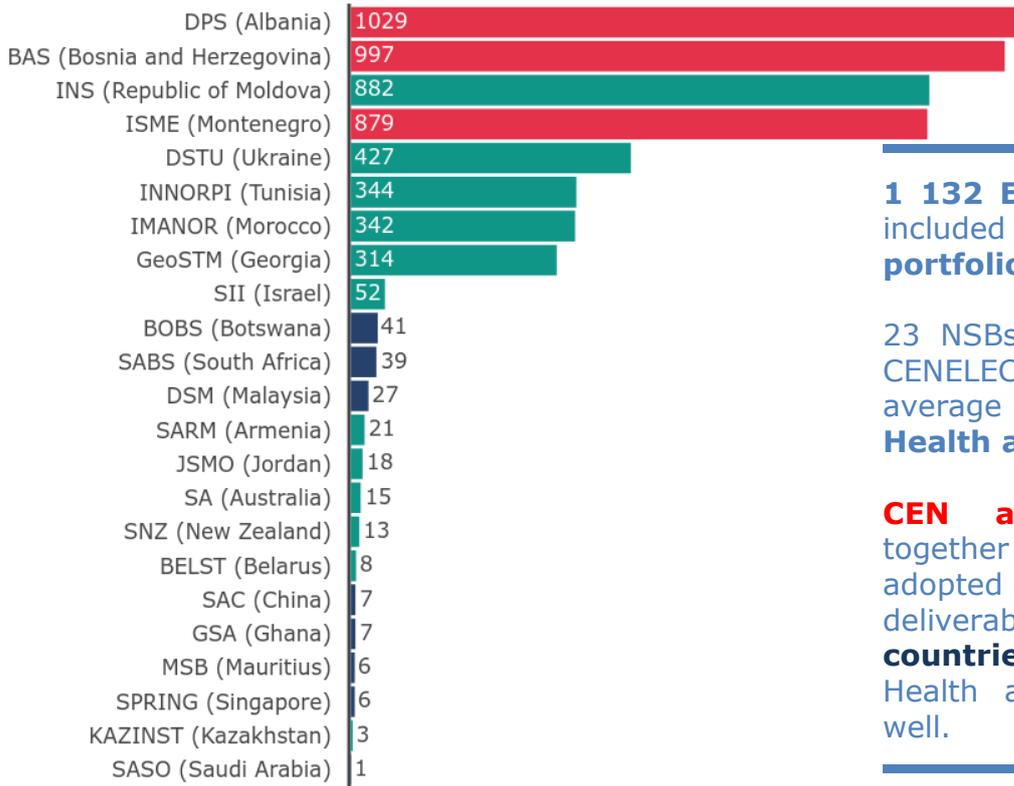
**CEN and CENELEC Affiliates** together with several **CSBs** have adopted most General Standards (Quality, Measurement,...) deliverables.



### 17 non-European observerships in General Standards (Quality, Measurement,...) TCs

- **BAS (Bosnia and Herzegovina) - 7 TCs**
- **ISME (Montenegro) - 4 TCs**
- **JSMO (Jordan) - 2 TCs**
- **BELST (Belarus) - 1 TC**
- **INS (Moldova, Republic of) - 1 TC**
- **INNORPI (Tunisia) - 1 TC**
- **JISC (Japan) - 1 TC**

## 4.8. Health and safety



**1 132 European Deliverables** are included in the **Health and Safety portfolio**.

23 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **21% of the Health and Safety portfolio**.

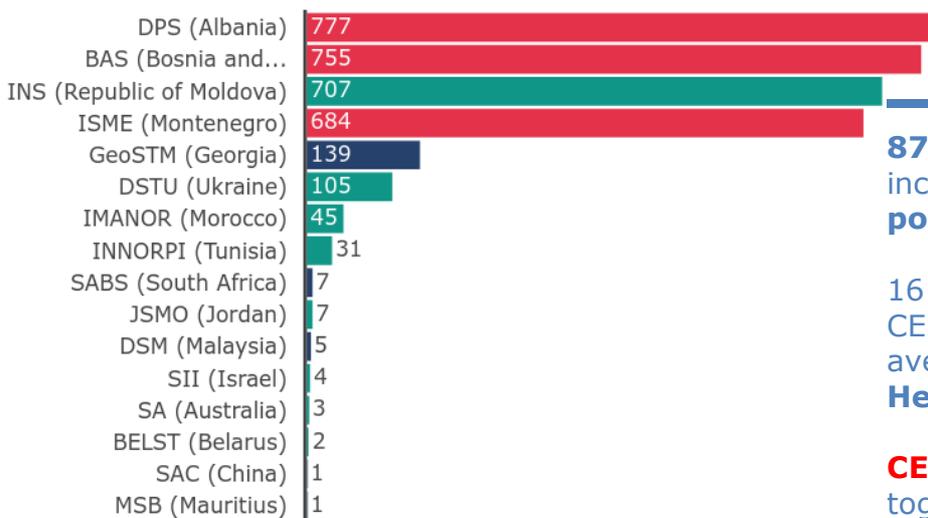
**CEN and CENELEC Affiliates** together with the majority of **CSBs** adopted most Health and Safety deliverables. Nevertheless several **3<sup>rd</sup> countries NSBs/NCs** have adopted Health and Safety deliverables as well.



### 16 non-European observerships in Health and safety TCs

- **BAS (Bosnia and Herzegovina) - 11 TCs**
- **ISME (Montenegro) - 2 TCs**
- **SCC (Canada) - 2 TCs**
- **DSTU (Ukraine) - 1 TC**

## 4.9. Healthcare



**874 European Deliverables** are included in the **Healthcare portfolio**.

16 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **23% of the Healthcare portfolio**.

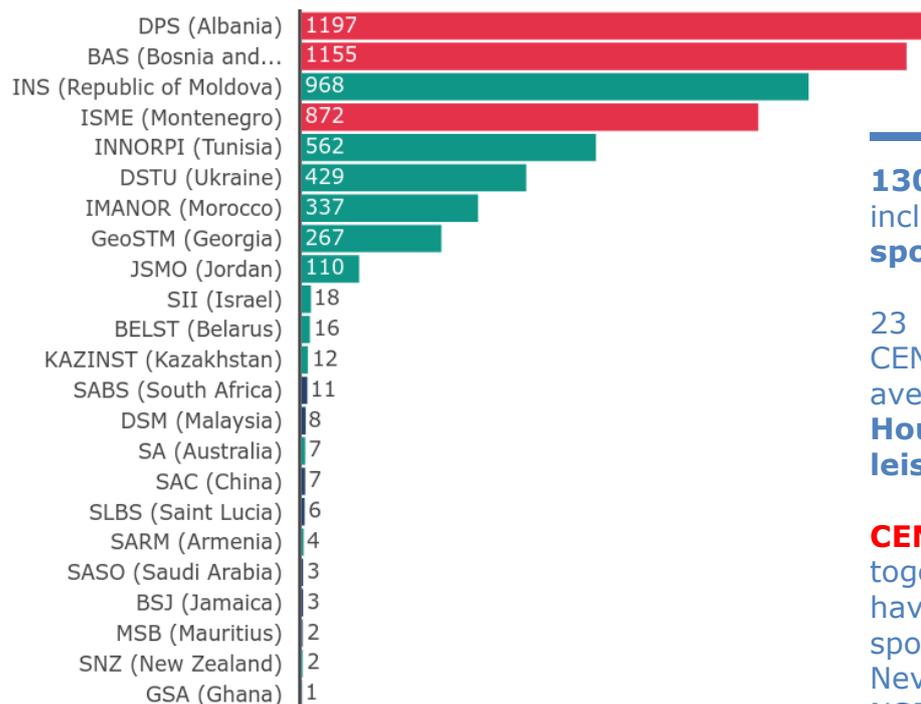
**CEN and CENELEC Affiliates** together with several **CSBs** have adopted most Healthcare deliverables.



### 8 non-European observerships in Healthcare TCs

- **BAS (Bosnia and Herzegovina) - 3 TCs**
- **SCC (Canada) - 2 TCs**
- **INS (Moldova, Republic of) - 1 TC**
- **BELST (Belarus) - 1 TC**
- **JISC (Japan) - 1 TC**

## 4.10. Household goods, sports and leisure



### 14 non-European observerships in Household goods, sports and leisure TCs

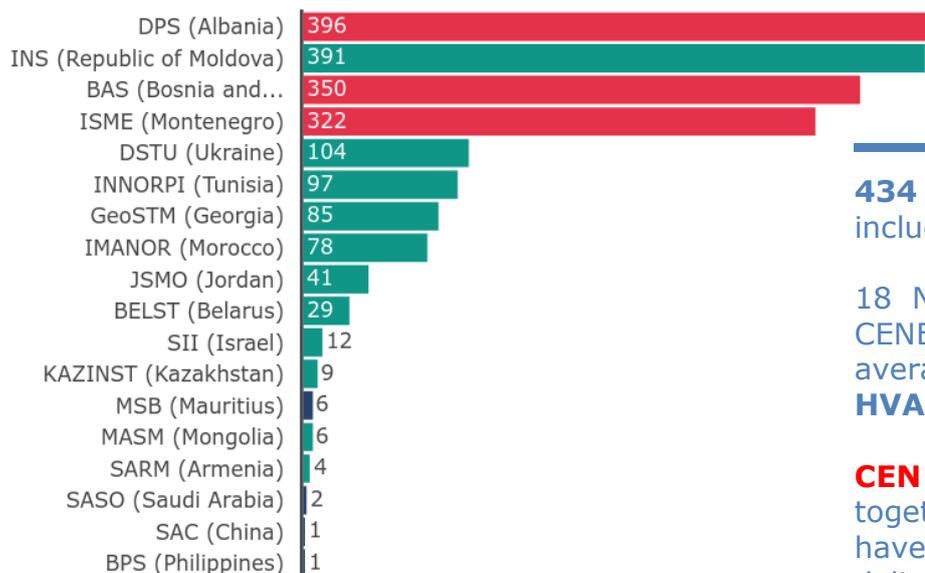
- **BAS (Bosnia and Herzegovina) - 4 TCs**
- **JSMO (Jordan) - 4 TCs**
- **ISME (Montenegro) - 2 TCs**
- **DPS (Albania) - 1 TC**
- **BELST (Belarus) - 2 TC**
- **SA (Australia) - 1 TC**

**1302 European Deliverables** are included in the **Household goods, sports and leisure portfolio**.

23 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **20% of the Household goods, sports and leisure portfolio**.

**CEN and CENELEC Affiliates** together with the majority **CSBs** have adopted most Household goods, sports and leisure deliverables. Nevertheless, several **3<sup>rd</sup> countries** NSBs/NCs have adopted Household goods, sports and leisure deliverables as well.

## 4.11. HVAC



### 14 non-European observerships in HVAC TCs

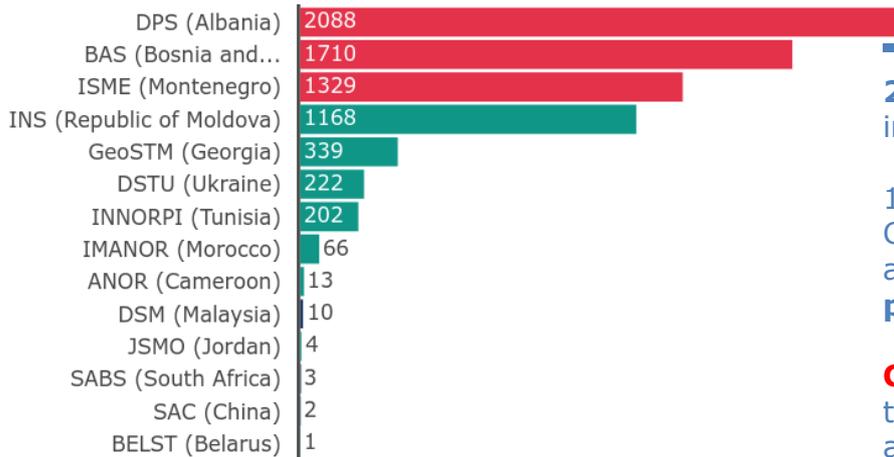
- **BELST (Belarus) - 5 TCs**
- **ISME (Montenegro) - 3 TCs**
- **BAS (Bosnia and Herzegovina) - 2 TCs**
- **JSMO (Jordan) - 2 TCs**
- **DPS (Albania) - 1 TC**
- **INS (Moldova, Republic of) - 1 TC**

**434 European Deliverables** are included in the **HVAC portfolio**.

18 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **25% of the HVAC portfolio**.

**CEN and CENELEC Affiliates** together with the majority of **CSBs** have adopted most HVAC deliverables.

## 4.12. ICT



**2410 European Deliverables** are included in the **ICT portfolio**.

14 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **21% of the ICT portfolio**.

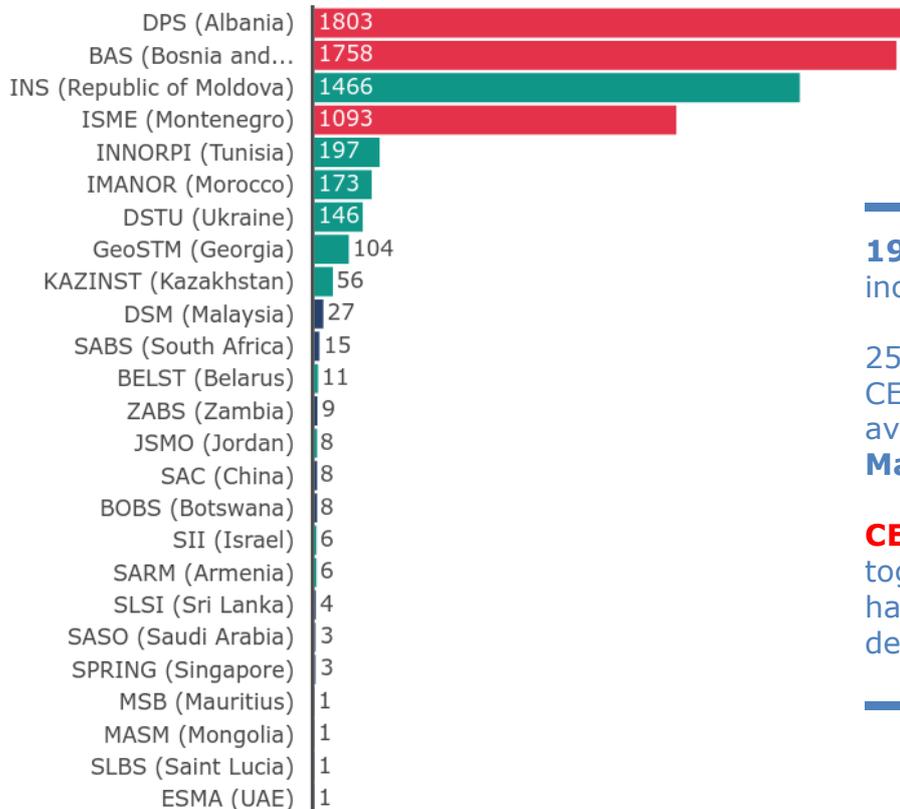
**CEN and CENELEC Affiliates** together with some **CSBs** have adopted most ICT deliverables. Few 3<sup>rd</sup> countries NSBs/NCs adopted ICT deliverables, which could be explained by the fact that **57% of the portfolio deliverables are identical or based on the ISO and IEC deliverables**.



### 6 non-European observerships in ICT TCs

- **BAS (Bosnia and Herzegovina) - 2 TCs**
- **ISME (Montenegro) - 1 TC**
- **DPS (Albania) - 1 TC**
- **SII (Israel) - 1 TC**
- **JISC (Japan) - 1 TC**

## 4.13. Materials



**1900 European Deliverables** are included in the **Materials portfolio**.

25 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **15% of the Materials portfolio**.

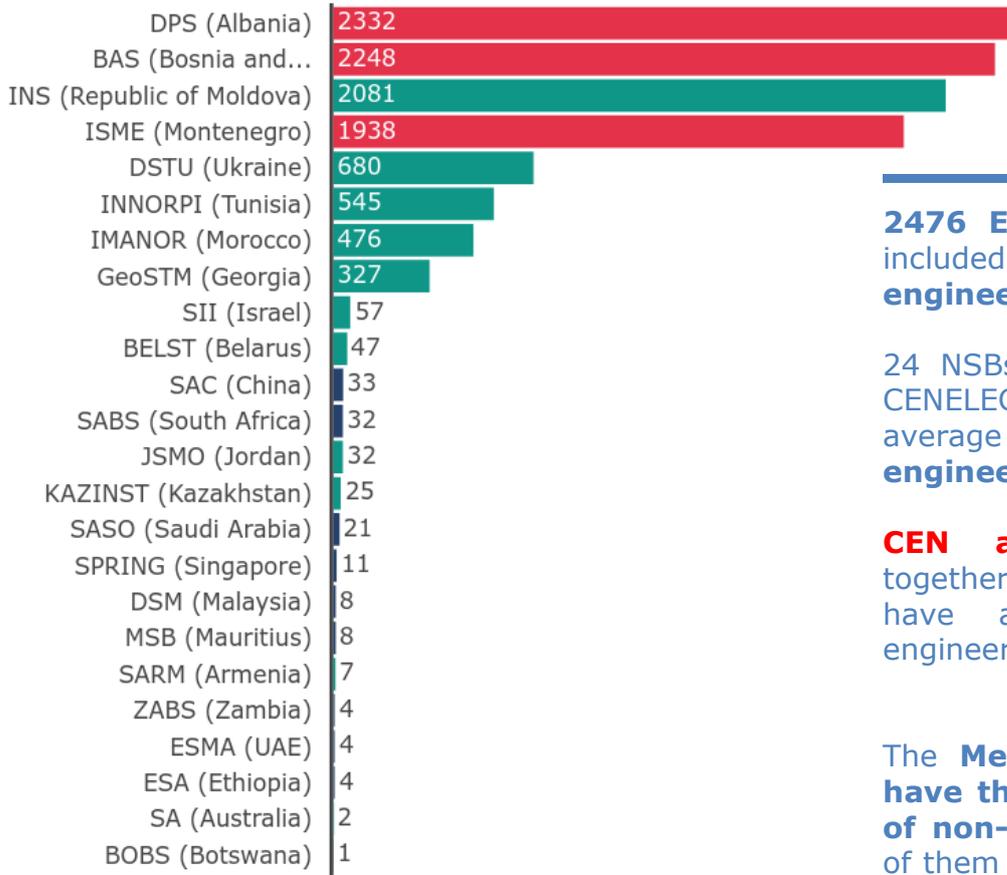
**CEN and CENELEC Affiliates** together with the majority of **CSBs** have adopted most Materials deliverables.



### 14 non-European observerships in Materials TCs

- **BAS (Bosnia and Herzegovina) - 8 TCs**
- **BELST (Belarus) - 2 TCs**
- **ISME (Montenegro) - 1 TC**
- **JISC (Japan) - 1 TC**
- **DSTU (Ukraine) - 1 TC**
- **SII (Israel) - 1 TC**

## 4.14. Mechanical engineering



**2476 European Deliverables** are included in the **Mechanical engineering portfolio**.

24 NSBs/NCs outside the CEN and CENELEC Membership adopted in average **18% of the Mechanical engineering portfolio**.

**CEN and CENELEC Affiliates** together with the majority of **CSBs** have adopted most Mechanical engineering deliverables.

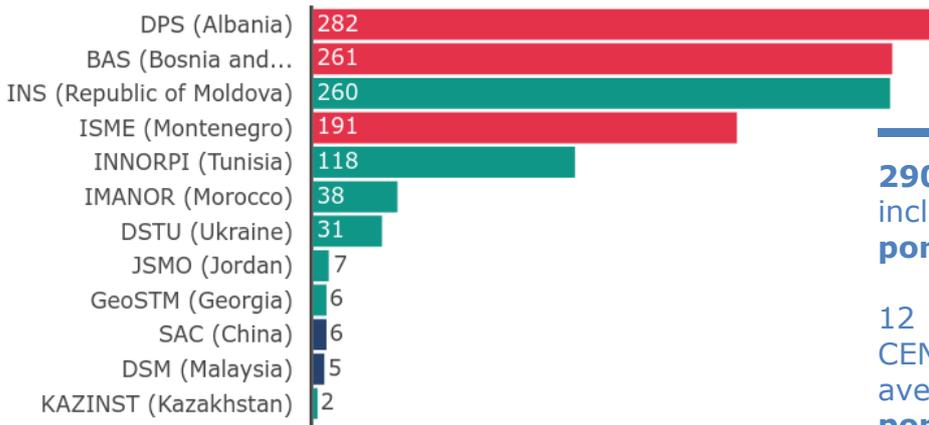
The **Mechanical engineering TCs** have the **second highest number of non-European observers**. Most of them are the Affiliates and several CSBs, however, thanks to the Cooperation Agreement with JISC the Mechanical engineering TCs have observers from Japan as well.



### 44 non-European observerships in Mechanical engineering TCs

- **BAS (Bosnia and Herzegovina) - 19 TCs**
- **ISME (Montenegro) - 15 TCs**
- **BELST (Belarus) - 2 TCs**
- **JISC (Japan) - 2 TCs**
- **DPS (Albania) - 2 TCs**
- **SA (Australia) - 2 TCs**
- **SII (Israel) - 1 TC**
- **IMANOR (Morocco) - 1 TC**

## 4.15. Packaging



**290 European Deliverables** are included in the **Packaging portfolio**.

12 NSBs/NCs outside the CEN and CENELEC Membership adopted in average **35% of the Packaging portfolio**.

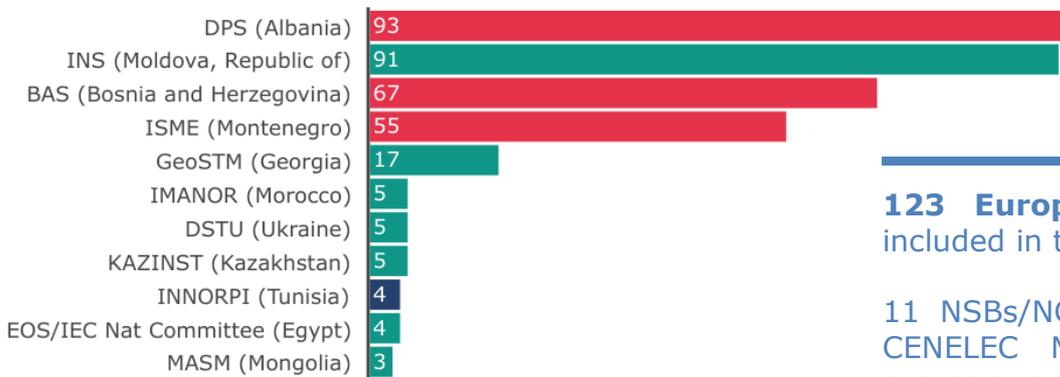
**CEN and CENELEC Affiliates** together with some **CSBs** have adopted most Packaging deliverables.



### 6 non-European observerships in Packaging TCs

- **ISME (Montenegro) - 3 TCs**
- **BAS (Bosnia and Herzegovina) - 2 TCs**
- **JSMO (Jordan) - 1 TC**

## 4.16. Services



**123 European Deliverables** are included in the **Services portfolio**

11 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **28% of the Services portfolio**.

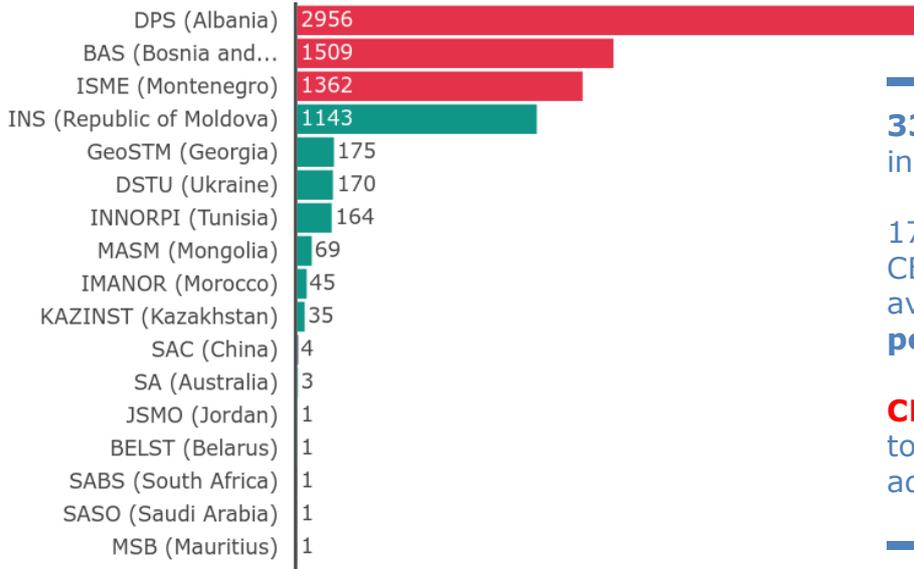
**CEN and CENELEC Affiliates** together with some **CSBs** have adopted most Services deliverables.



### 5 non-European observerships in Services TCs

- **ISO/IEC Nat Committee (Egypt) - 2 TCs**
- **SCC (Canada) - 2 TCs**
- **INNORPI (Tunisia) - 1 TC**

## 4.17. Transport



**3322 European Deliverables** are included in the **Transport portfolio**

17 NSBs/NCs outside the CEN and CENELEC Membership adopted in average **14% of the Transport portfolio**.

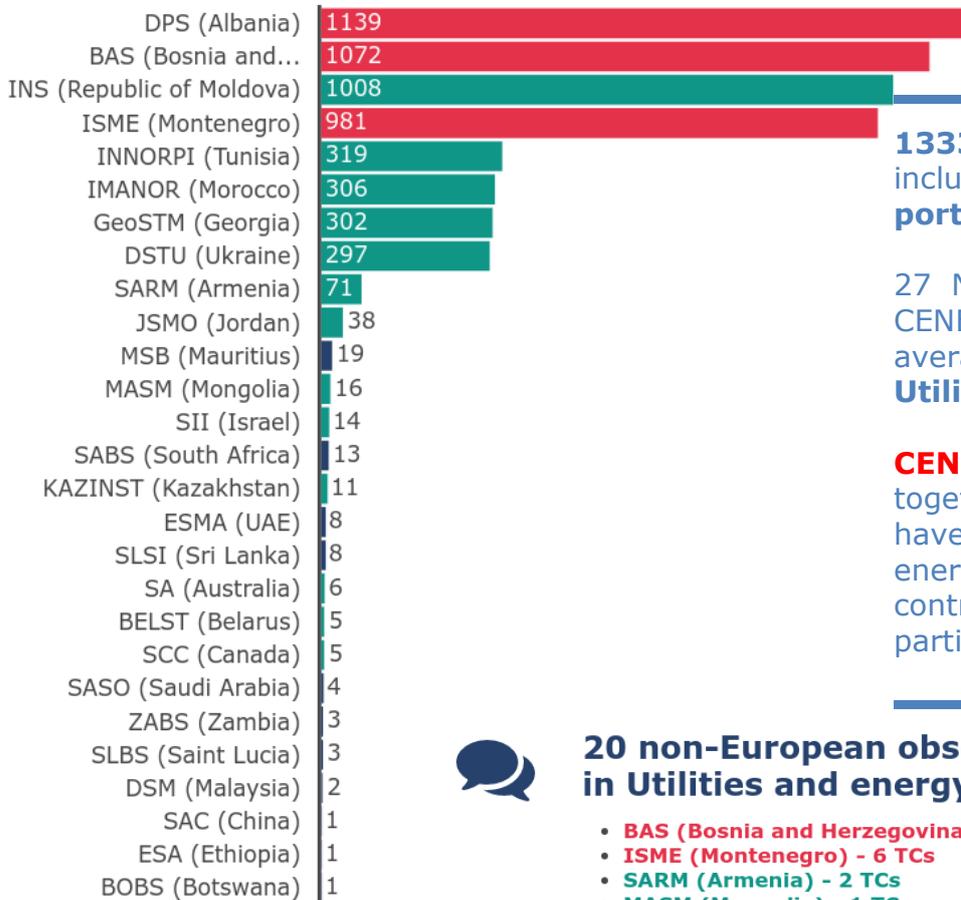
**CEN and CENELEC Affiliates** together with several **CSBs** have adopted most Transport deliverables.



### 5 non-European observerships in Transport TCs

- **ISME (Montenegro) - 2 TCs**
- **BAS (Bosnia and Herzegovina) - 2 TCs**
- **MASM (Mongolia) - 1 TC**

## 4.18. Utilities and energy



**1333 European Deliverables** are included in the **Utilities and energy portfolio**

27 NSBs/NCs outside the CEN and CENELEC Membership adopted in average more than **16% of the Utilities and energy portfolio**.

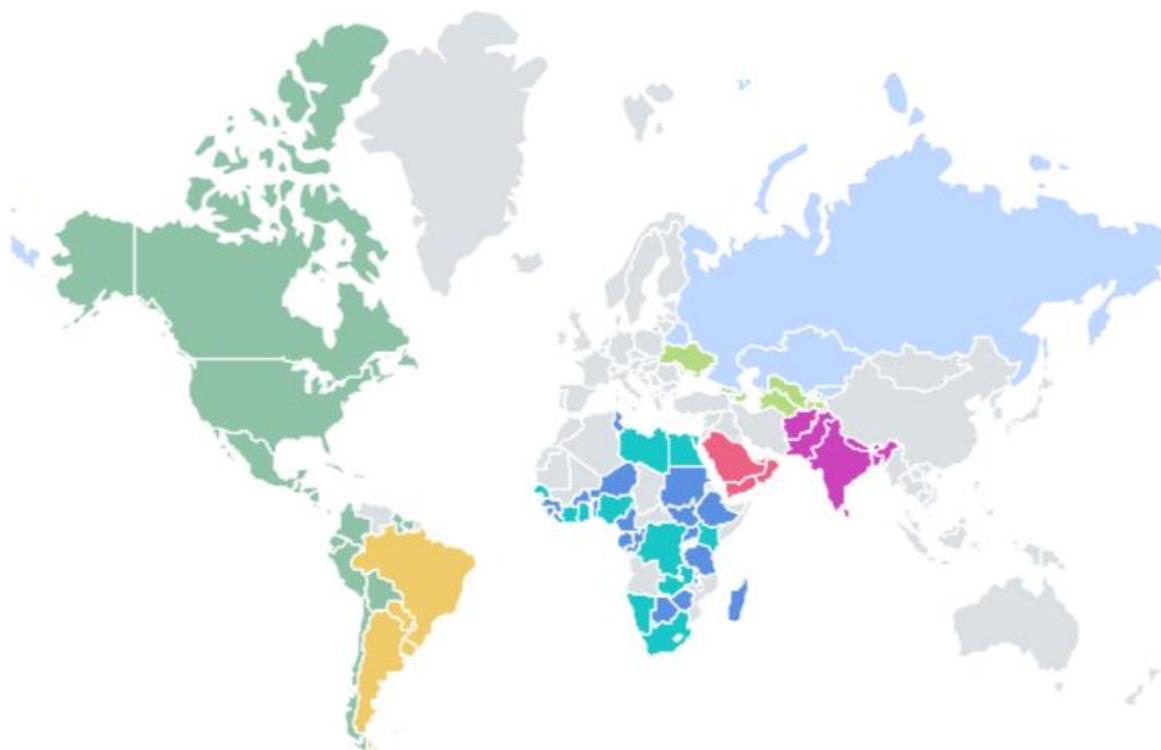
**CEN and CENELEC Affiliates** together with the majority of **CSBs** have adopted most Utilities and energy deliverables as well contribute to their development by participating in the work of TCs.



### 20 non-European observerships in Utilities and energy TCs

- **BAS (Bosnia and Herzegovina) - 7 TCs**
- **ISME (Montenegro) - 6 TCs**
- **SARM (Armenia) - 2 TCs**
- **MASM (Mongolia) - 1 TC**
- **JSMO (Jordan) - 1 TC**
- **BELST (Belarus) - 1 TC**
- **GEOSTM (Georgia) - 1 TC**
- **DPS (Albania) - 1 TC**

## 5. Region to region cooperation



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The map above shows the **Regional Standardization Organizations (RSO)** with whom CEN and CENELEC have an **active cooperation**. CEN and/or CENELEC have signed **Memoranda of Understanding (MoUs)** with **12** RSOs around the world.

In June 2017, **CEN and CENELEC concluded a MoU with the Eurasian Economic Commission (EEC)** aiming at fostering greater technical alignment between Europe and Eurasian Economic Union (EAEU) countries, most of which already having strong links with CEN and CENELEC. In 2018, the implementation of this MoU will be coupled with the already existing roadmap for the implementation of a MoU between the ESOs and EASC (Eurasian Interstate Council for Standardization, Certification and Metrology) which groups all members of the EEC as well as other countries from the CIS region.

In October 2017, **CEN and CENELEC concluded a MoU with the South Asian Regional Standards Organization (SARSO)** aiming at providing a common framework for the partners to share information, transfer technical knowledge, exchange best practices and cooperate on areas of common interest.

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### **CEN and CENELEC conclude MoUs to:**

- promote the use of international standards as a privileged means for market integration and trade facilitation, at regional level, bilaterally and globally;
  - share knowledge and exchange best practices regarding standardization;
  - contribute to the removal of technical barriers to trade and enhance the competitiveness of economic operators in the partners' respective regions;
  - promote the key principles of the European standardization model including its unique linkage with legislation (the so-called "New Approach" concept), based on the EU Single Market success story.
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## **Main achievements of the MoUs signed between CEN, CENELEC and other RSOs:**



### **Adoption of European deliverables**

- **CEN, CENELEC and GSO signed a Framework License Agreement** for the adoption of European deliverable: GSO will shortly receive direct access to the CEN and CENELEC deliverables to download them for adoption.
- **CEN-ARSO Framework Copyright Declaration** in the signature process: ARSO will shortly receive direct access to the CEN and CENELEC deliverables to download them for review



### **Technical cooperation**

- **Toys** European industry seems to have market access difficulties in Eurasia and the Gulf. In the framework of the MoU with **GSO and EEC**, CEN already started to discuss this issues which will be closely follow up in 2018 with a view to solve at least those which are directly linked to standardization in the interest of all concerned stakeholders and for the benefit of consumers in general.



### **Promotion of the European Standardization System**

- CEN and CENELEC will continue supporting the creation and implementation of the **African Continental Free Trade Area (CFTA)** based on the European New Approach principles and a single-standard model strongly relying on ISO and IEC standards. Based on a **shared approach agreed with ARSO and AFSEC** in 2017, the partners are currently discussing with their respective policy makers to engage in a joint public-private action towards Africa starting 2018. Having agreed to lead the standardization pillar, the four partners seek the European Union and the African Union's support to lead the legislative component of this joint initiative.

**CEN** (European Committee for Standardization) and **CENELEC** (European Committee for Electrotechnical Standardization) are recognized by the European Union (EU) and the European Free Trade Association (EFTA) as European Standardization Organizations responsible for developing standards at European level. These standards set out specific actions and procedures in relation to a wide range of materials, processes, products and services.

The members of CEN and CENELEC are the National Standardization Bodies and National Electrotechnical Committees of 34\* European countries. European Standards (ENs) and other standardization deliverables adopted by CEN and CENELEC, are accepted and recognized in all of these countries.

European Standards contribute to enhancing safety, improving quality, facilitating

cross-border trade and strengthening the European Single Market. They are developed through a process of collaboration among experts nominated by business and industry, research institutes, consumer and environmental organizations, trade unions and other stakeholders.

CEN and CENELEC work to promote the international alignment of standards in the framework of technical cooperation agreements with ISO (International Organization for Standardization) and the IEC (International Electrotechnical Commission).

*\* Number of full members in December 2017*

CEN-CENELEC website: [www.cencenelec.eu](http://www.cencenelec.eu)

CEN website: [www.cen.eu](http://www.cen.eu)

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