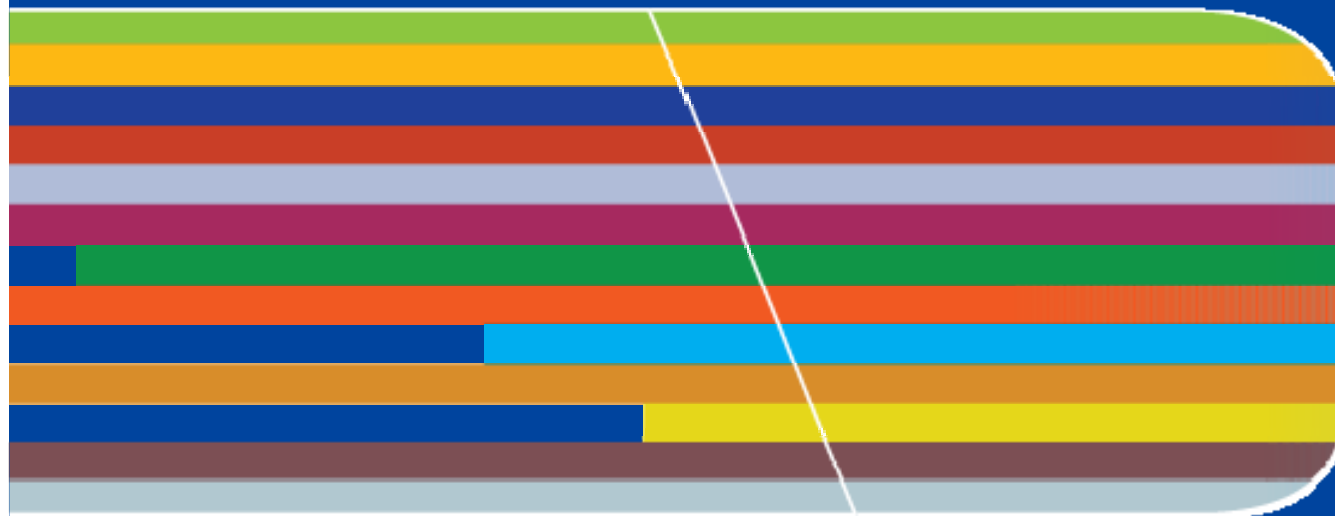


Perspectives and benefits of international cooperation in standardization

Gonçalo Ascensão

Seminar 'Bridge Design with Eurocodes', JRC-Ispra, 1-2 October 2012



- **CEN & CENELEC systems**
- Links to legislation
- Information sources

The European Standardisation Organizations (ESOs)



CEN.....



(European Committee for Standardisation)

CENELEC



(European Committee for Electrotechnical
Standardisation)

ETSI



(European Telecommunications Standards
Institute)



Sectors



→ Electricity – Electrotechnical



European Committee
for Electrotechnical
Standardization

→ Electronic Communications



European
Telecommunications
Standards Institute

→ Chemistry

→ Material

→ Food

→ Energy

→ Services

→ Transport

→ Metrology

→ Healthcare

→ Construction

→ Environment

→ Security and
defence

→ Information
society

→ Mechanical
engineering

→ HVAC



European Committee
for Standardisation



CEN & CENELEC World



CEN & CENELEC

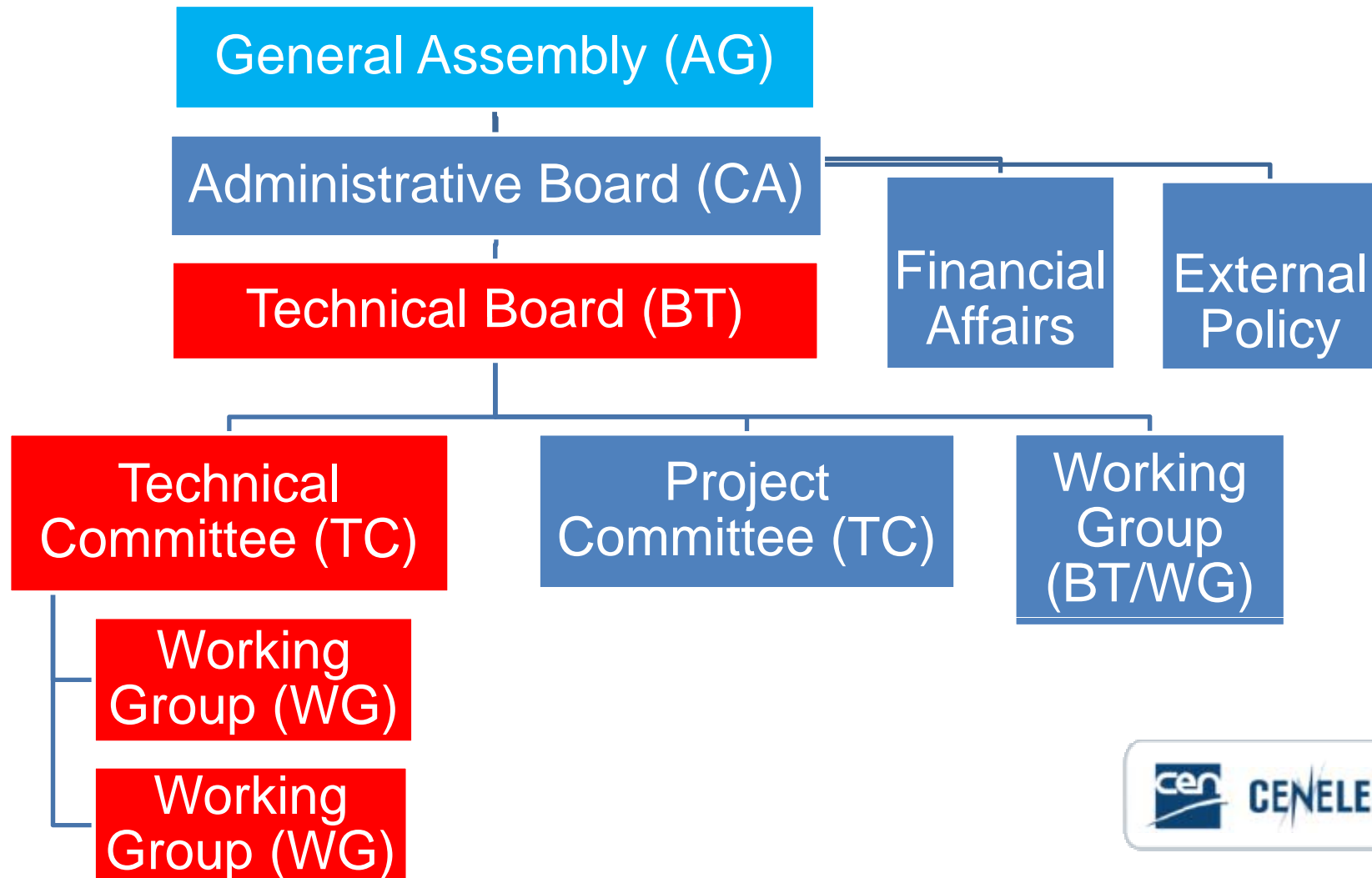
- 33 Members
(NSB-NC of 27 EU Members +
3 EFTA countries +
Croatia and Turkey, FYROM)
- Affiliates (17 CEN, 12 CLC)
- Associate Members (8 CEN)
- Partner Standardization Bodies (3 CEN)
- Co-operating Partners (48 CLC)
- > 400 Technical Committees
- ~ 20.000 of published document



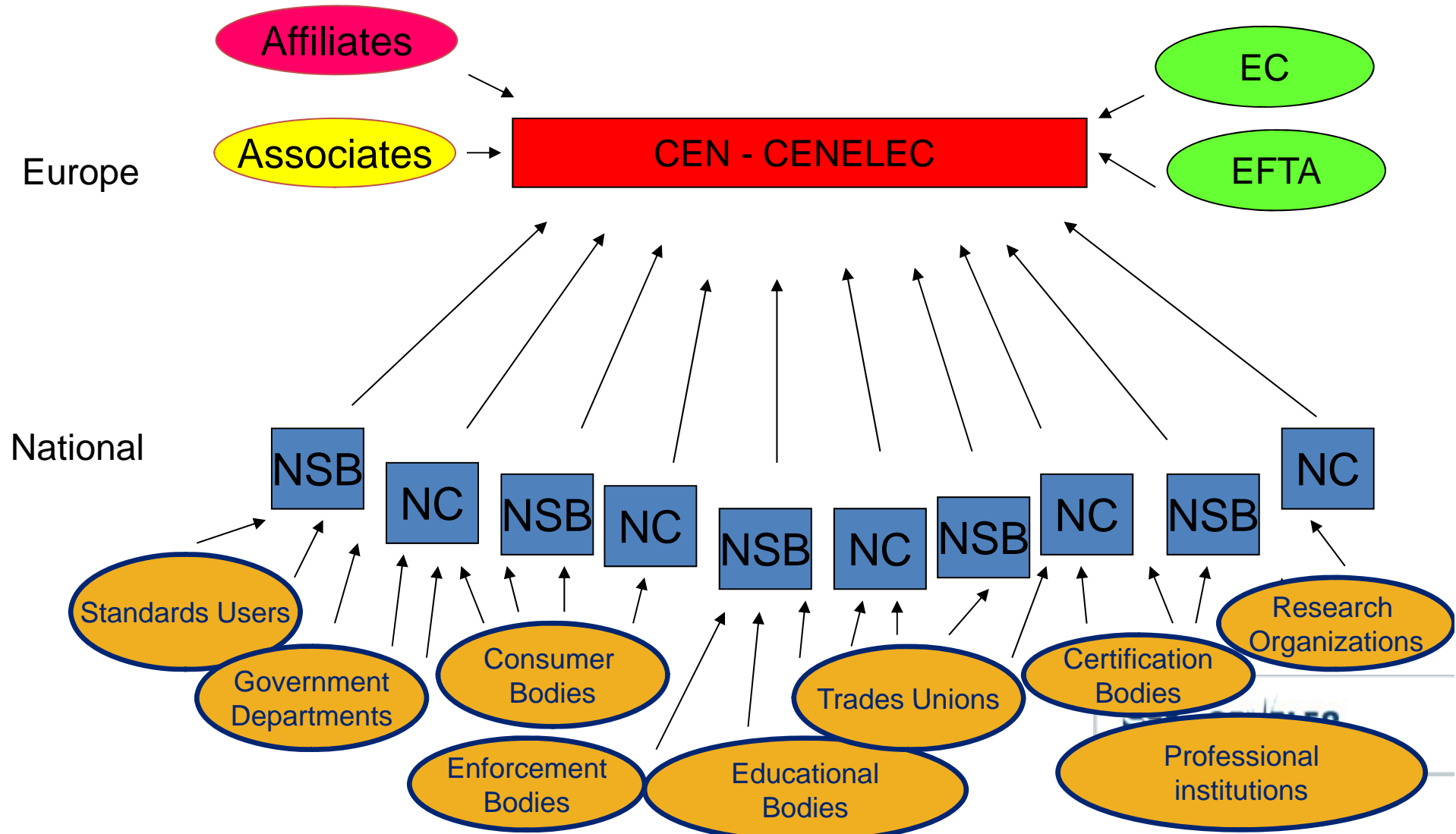
■ Members
■ Affiliates

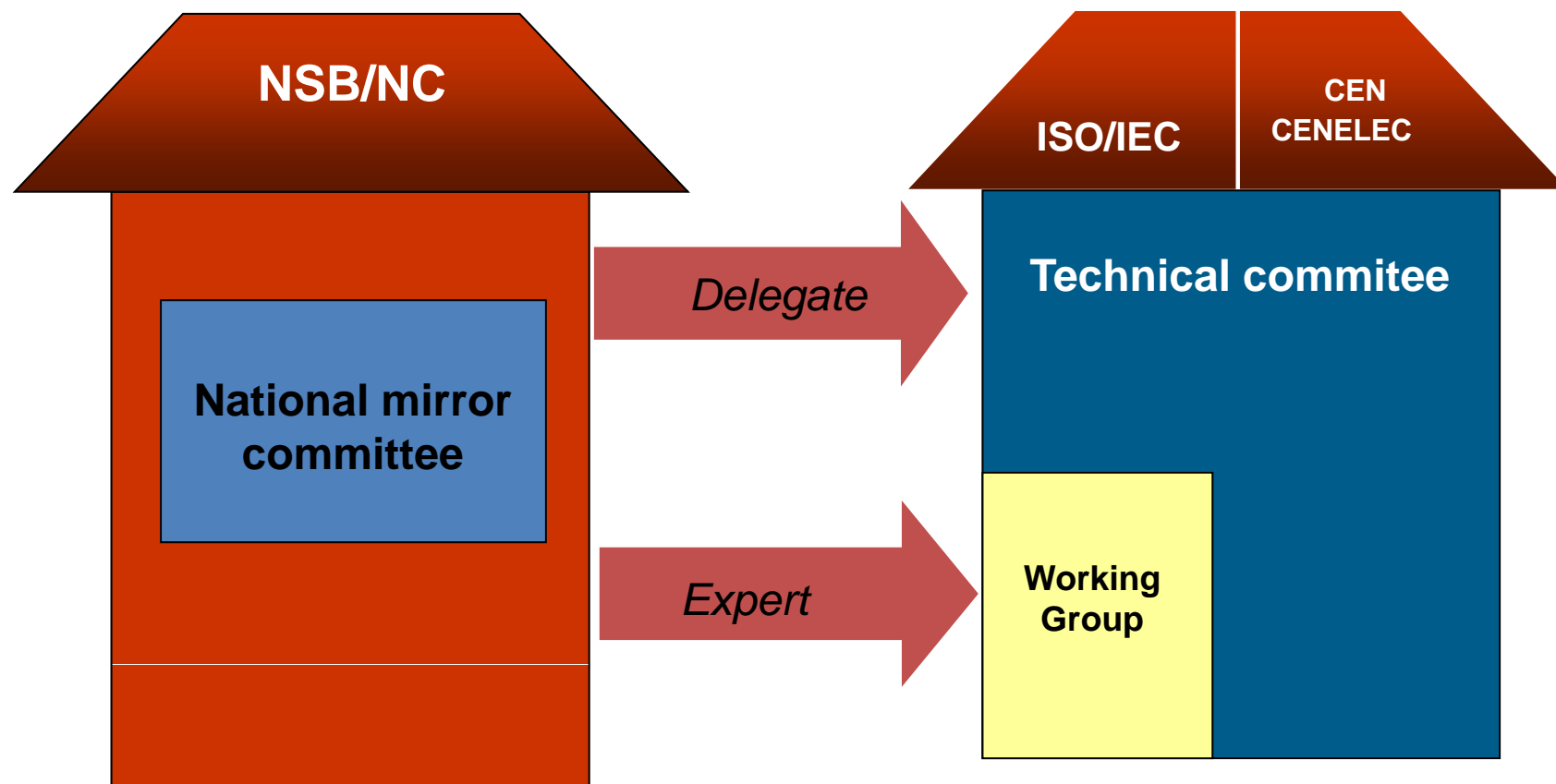


System – main committees



System – main interactions





CEN & CENELEC



All National Members are members of all TCs

- Official languages are English, French and German
- Development through discussion leading to consensus
- Final decisions reached by weighted vote
- Standards must be adopted as National Standards even if the country voted against the draft

CEN/CENELEC Product Range (Deliverables)



Standards

- European Standard – EN

Pre-Standards

- Technical Specification - TS

Informative

- Technical Report - TR
- CEN/CENELEC Guide

Workshop Agreement

- CEN/CENELEC Workshop Agreement (CWA)



Main principles of European standardisation



Voluntary

- standards are voluntary in application

Openness and transparency

- open to participation of all interested parties and broad consultation

Consensus

- we build European consensus among all stakeholders

National commitment

- to implement European standards as identical national standards and withdraw conflicting national standards

Market relevance

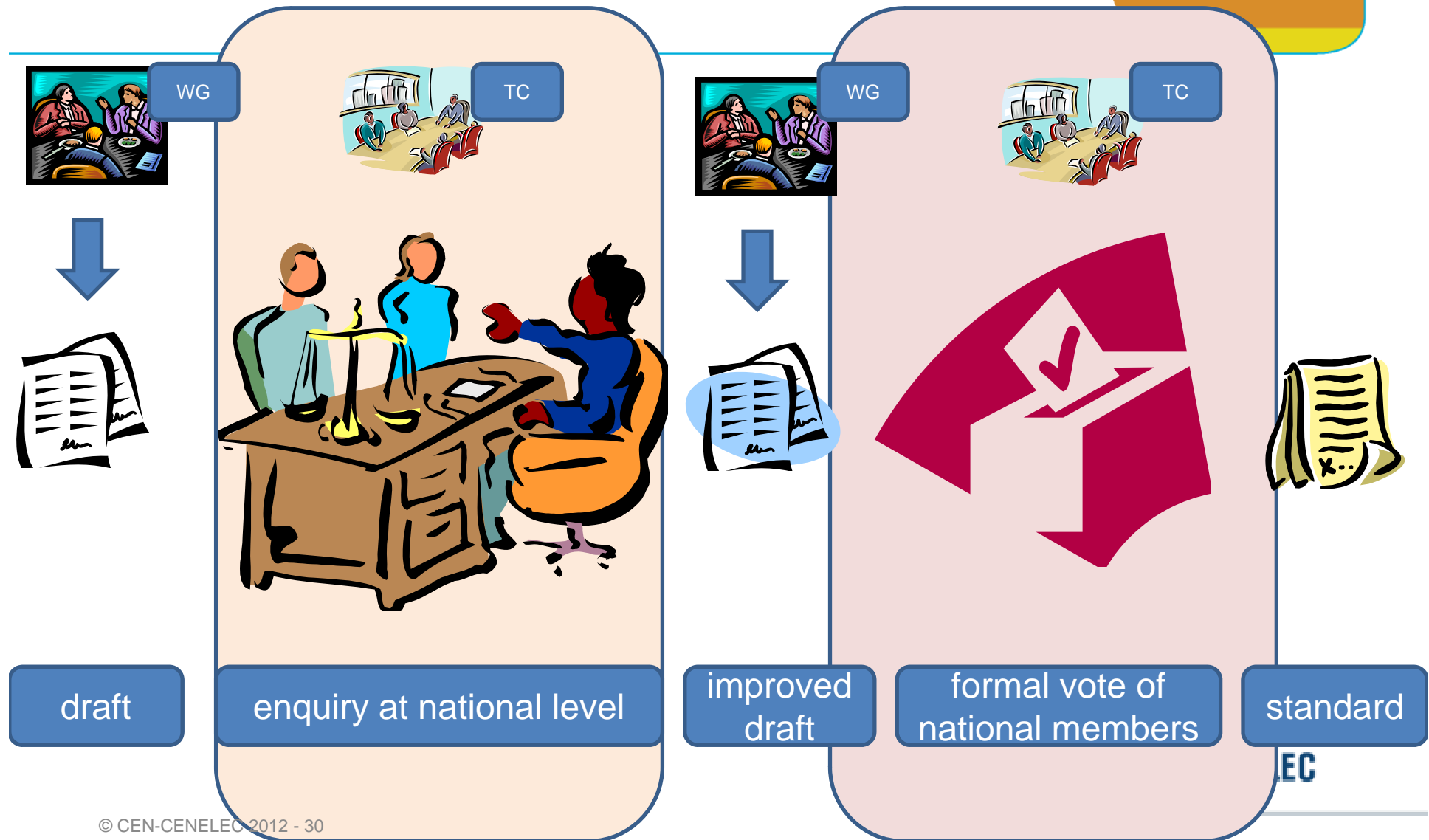
- reflect market needs

Correct integration with international work

- cooperation with ISO (Vienna agreement)
- Cooperation with CENELEC (Dresden Agreement)



Finding and measuring consensus



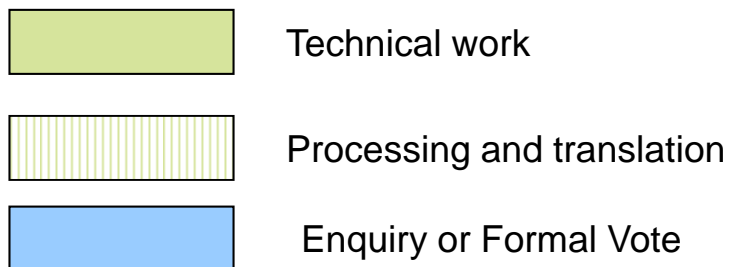
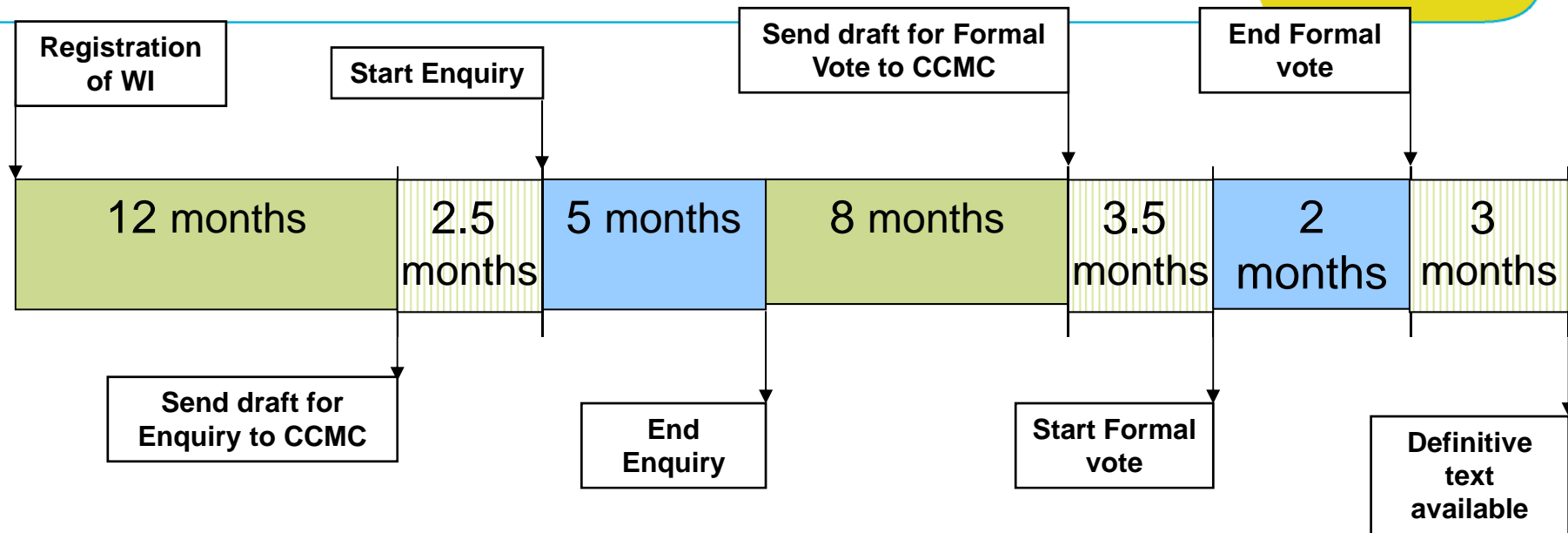
Why is a European Standard so valuable?



→ Strength and recognition because

- Shaped by those who contribute
 - Open and transparent process
 - Market driven
 - Representation of all interested parties
 - Reached through agreement
-
- One European Standard = 33 national standards = access to a market of over 560 million people

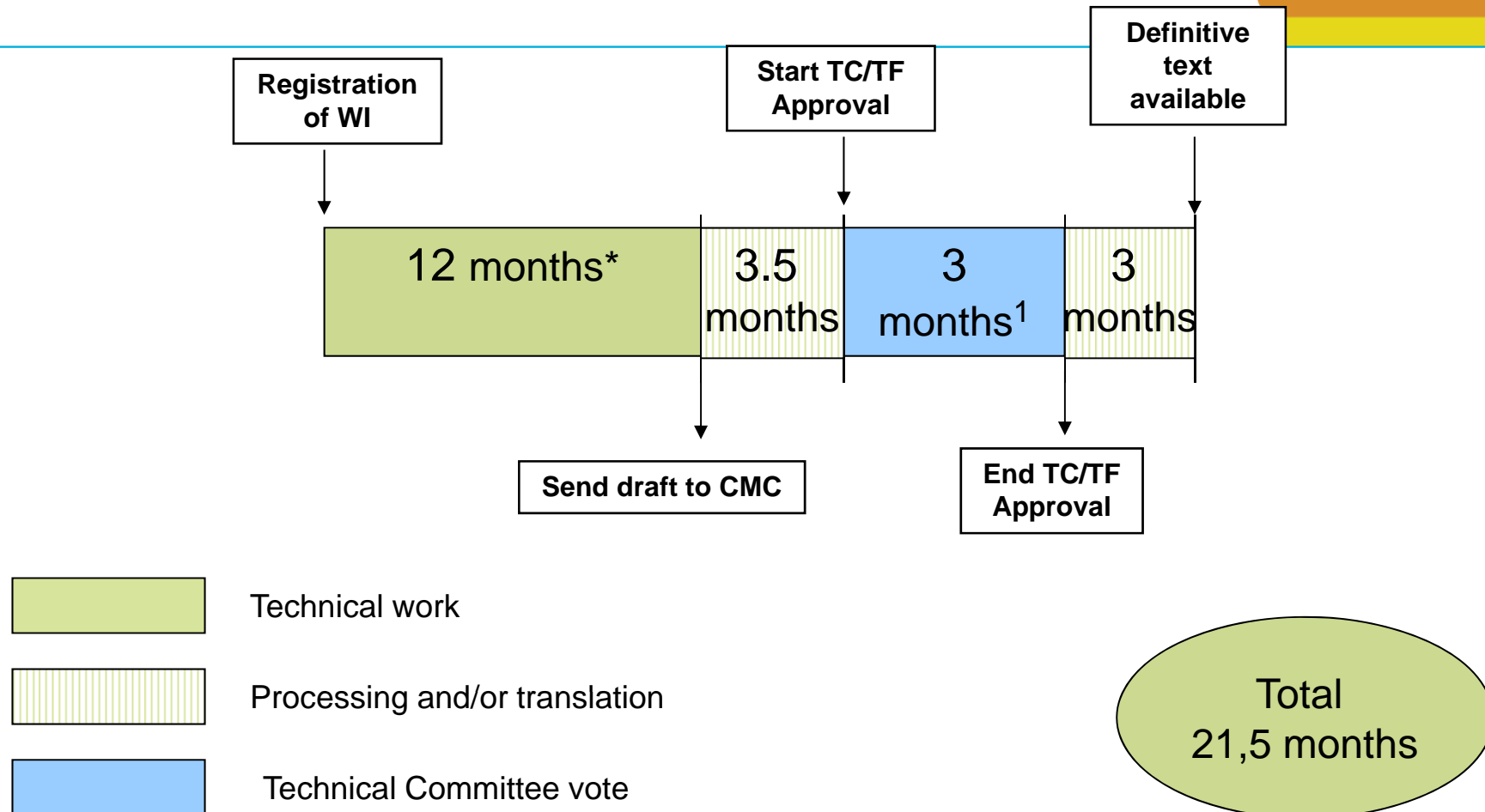
Detailed Timeframe European Standard (EN)



**Total
36 months**

* An extension of 9 months may be requested

Detailed Timeframe Technical Specifications/reports (TS/TR)



*An extension of 9 months may be requested

¹Technical specifications (TS) by weighted vote and Technical reports (TR) by simple majority vote

Do it once, do it internationally



Vienna Agreement



~ 30 % of CEN standards are developed under the Vienna Agreement (**depending on sectors**)



Dresden Agreement

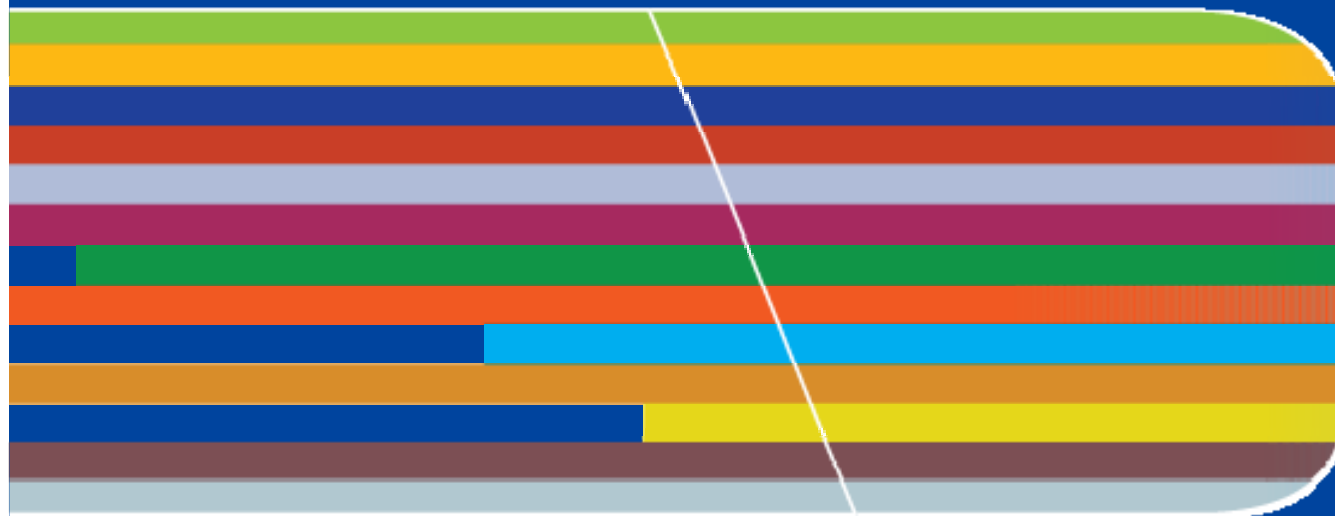


~ 80 % of CENELEC standards are identical to or based on IEC standards



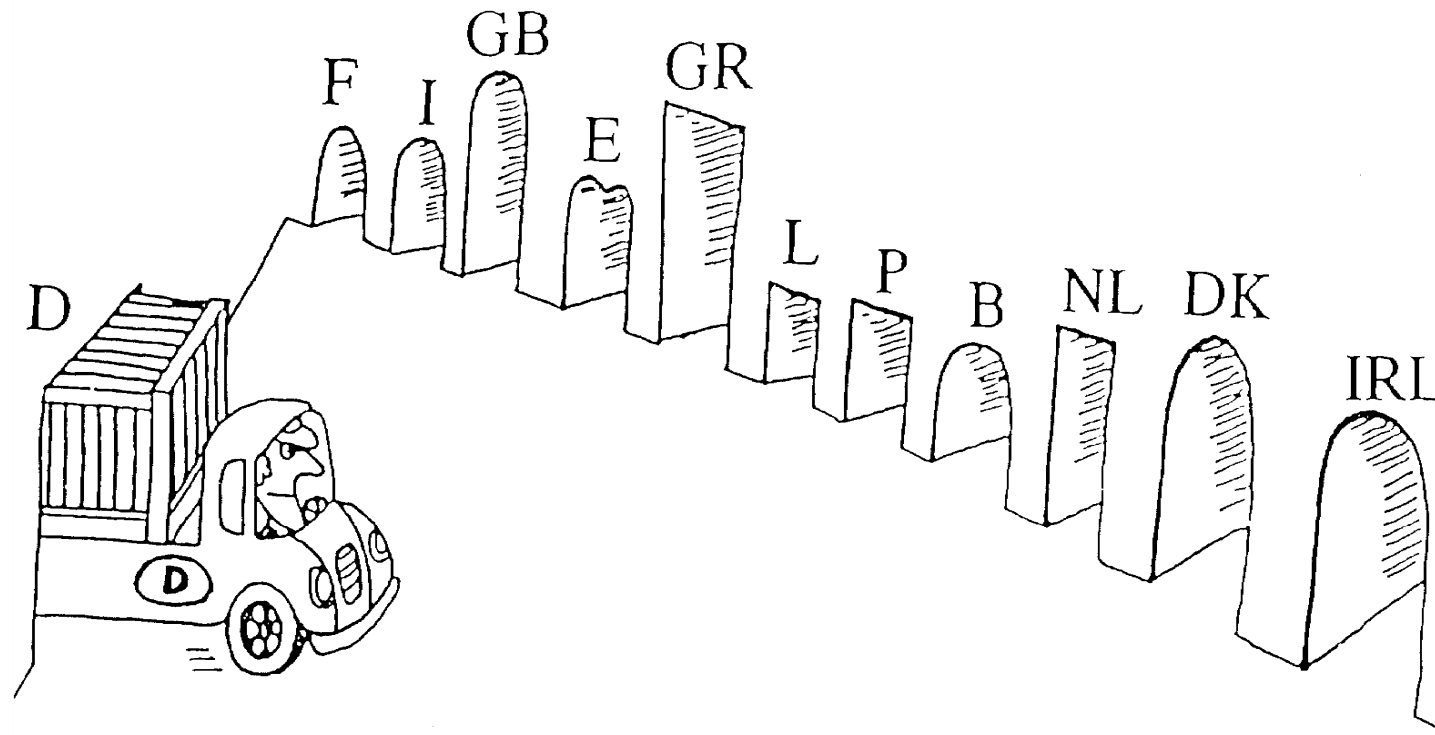
MoU for telecommunications sector (ITU-T)
Agreement on radio-communication sector (ITU-R)



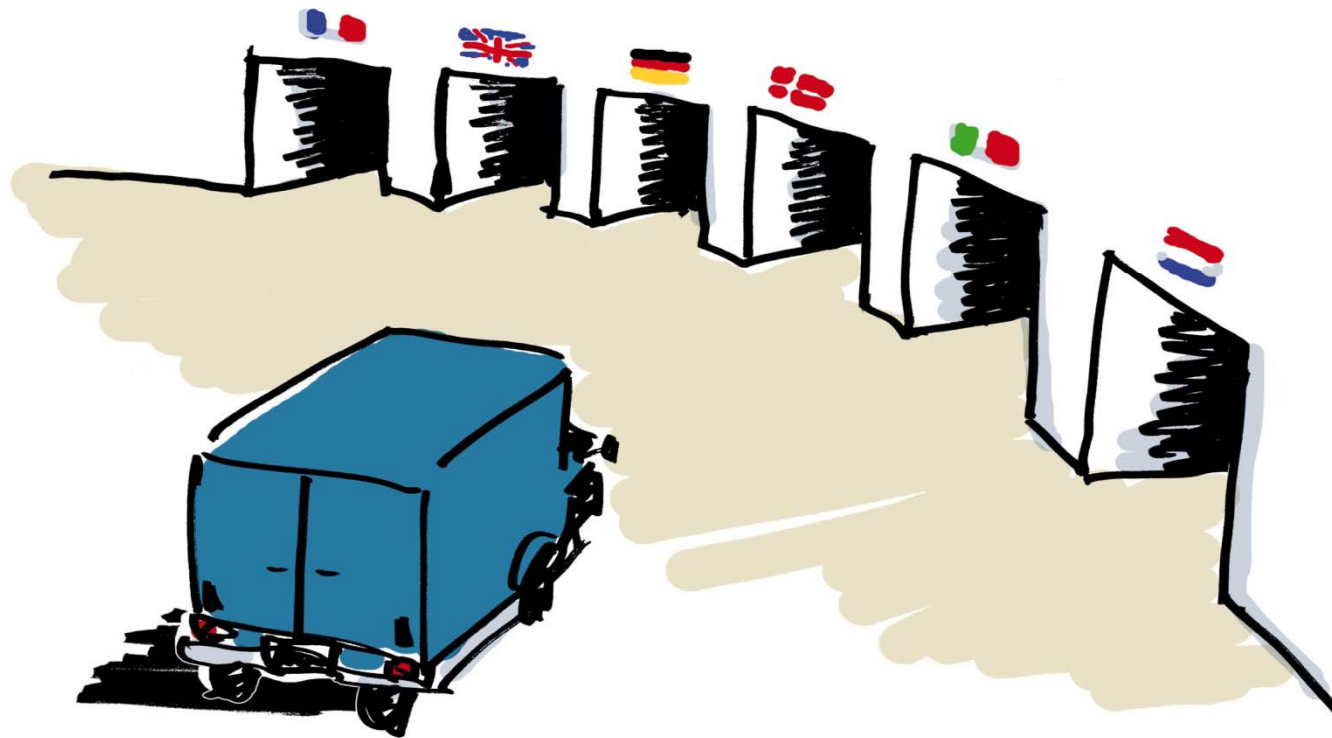


- CEN & CENELEC systems
- **Links to legislation**
- Information sources

Before trade barriers hindered the European economy



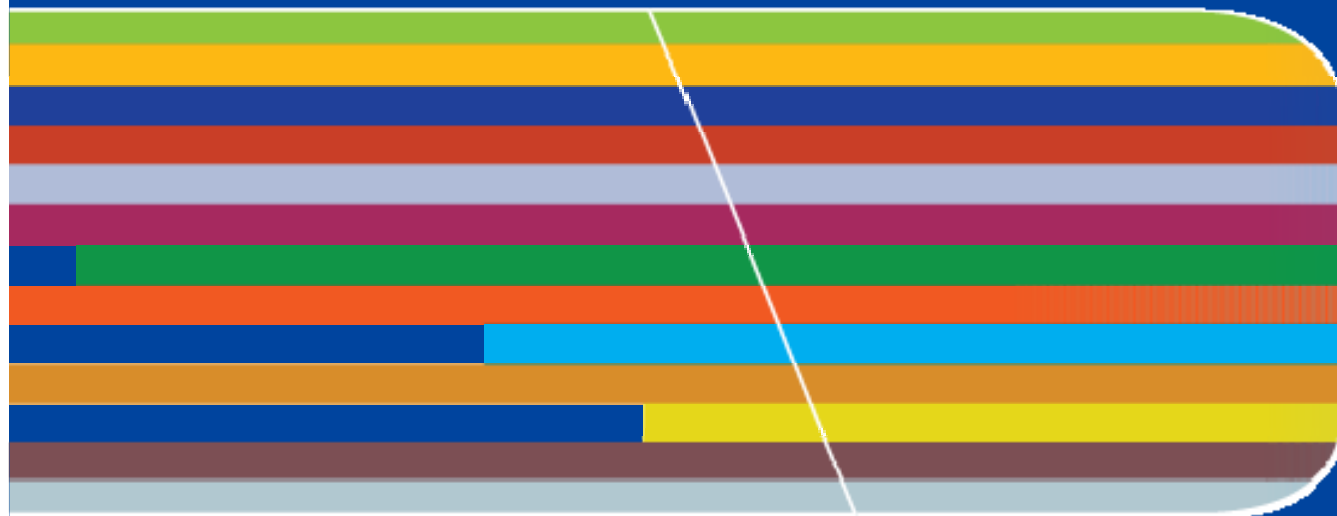
Removing trade barriers ...



European Standards and laws



CENELEC



- CEN & CENELEC systems
- Links to legislation
- **Information sources**

Sources of information I



- [CEN website](#), [CENELEC website](#) and [CEN-CENELEC website](#)
- Websites of the National Members [of CEN](#) and [of CENELEC](#)
- [CEN/BOSS](#)
 - [Internal Regulations](#)

Sources of information II



- Latest publications [in CEN](#) and [in CENELEC](#)
- Search Standards [in CEN](#) and [in CENELEC](#)
- CEN-CENELEC Newsletter ["Connect"](#)
- Technical Committees [of CEN](#) and [of CENELEC](#)
- [CEN-CENELEC Guides](#)



Thank you very much for your attention