

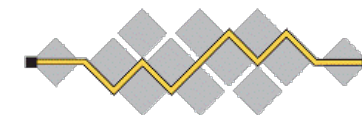


# Master Tech Standardization with ETSI

## Module 2 – SDOs – What are they?

# SDOs - Standards Development Organizations

- Support for standards creation via a collaborative process
- Publishing and distribution of standards
- Clear rules allow competitors to work together
- Some sell the standards their members create
- Vary in size and complexity





National



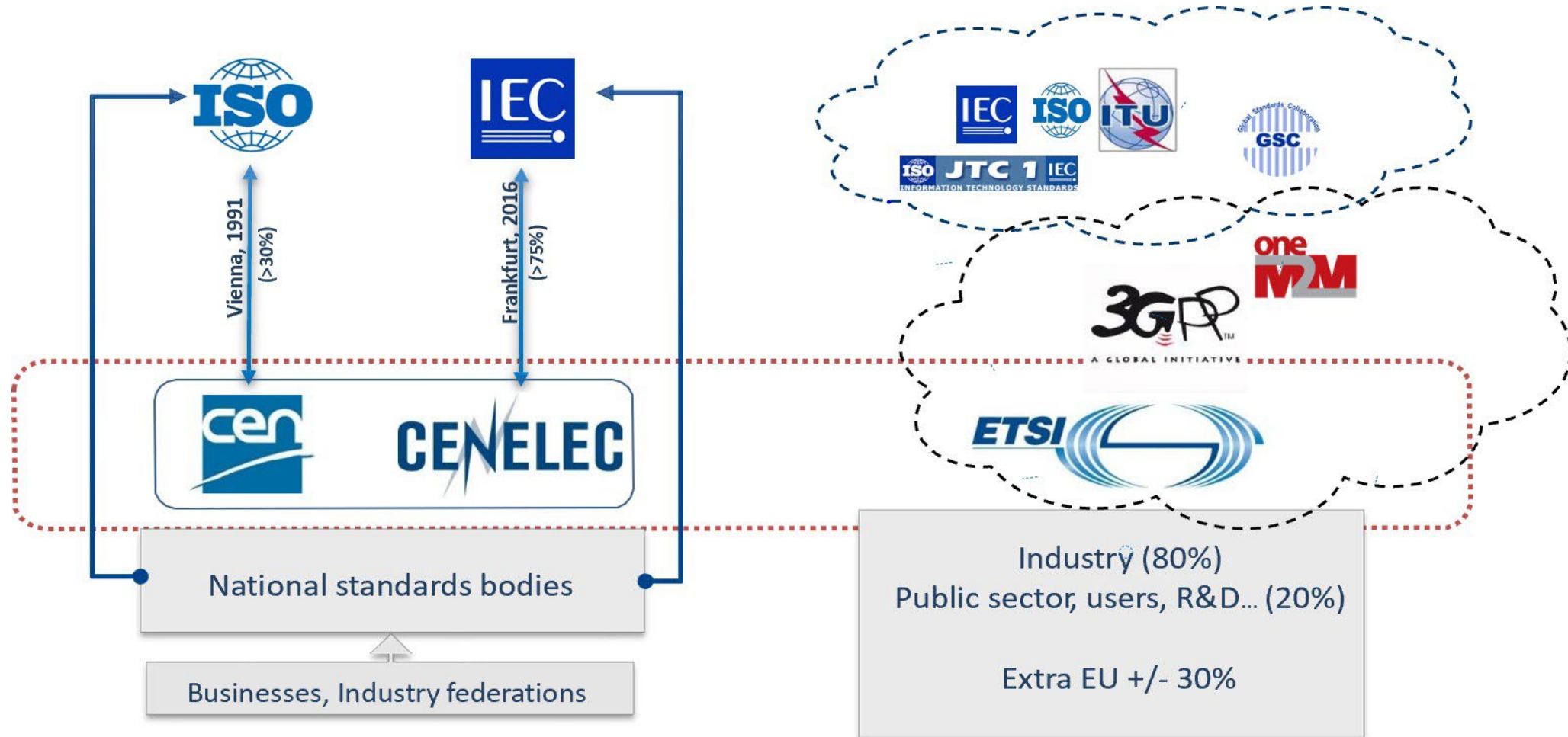
European



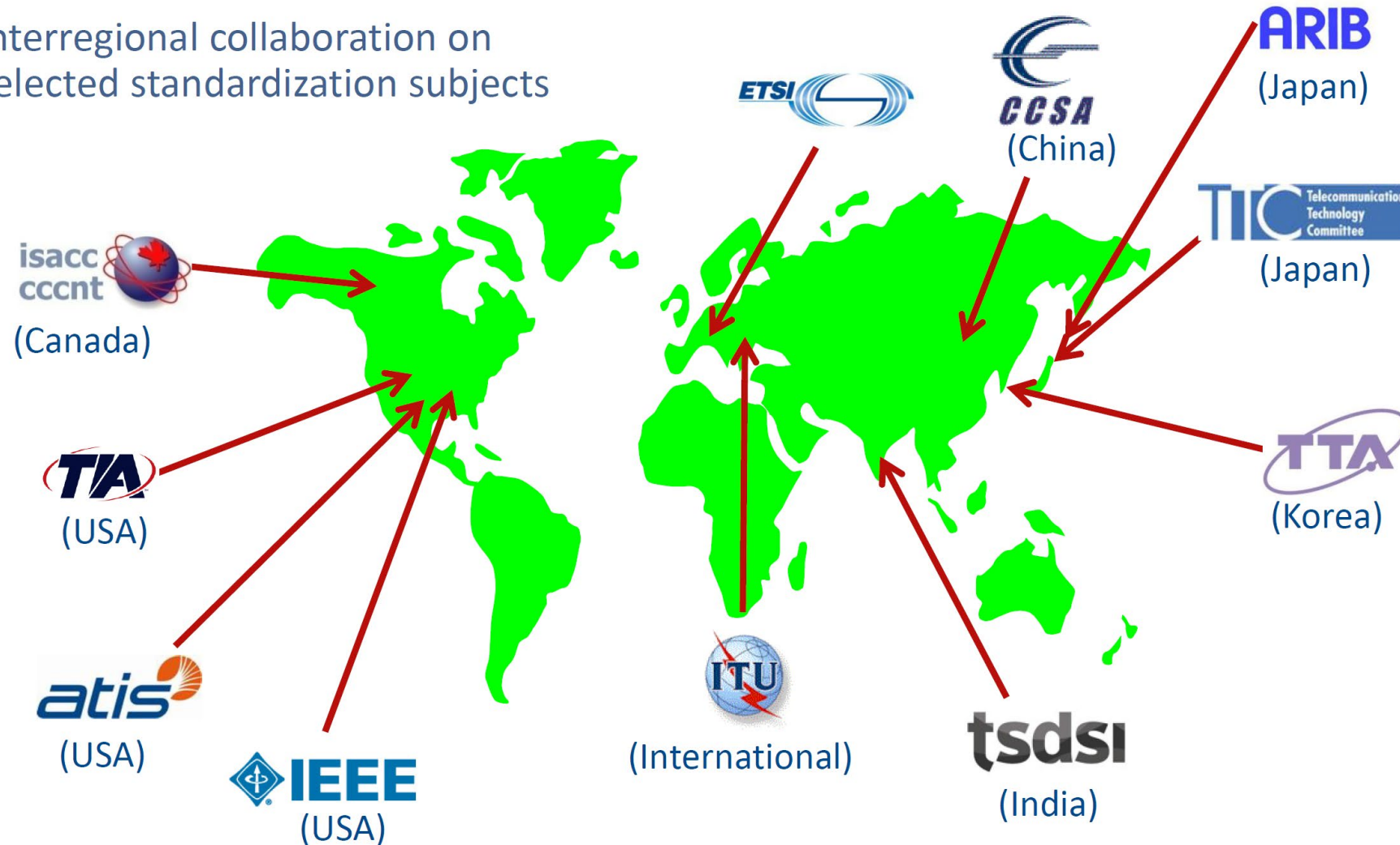
Global

- Regulation (EU) No 1025/2012 of the European Parliament and of the Council:
  - Designates CEN, CENELEC and ETSI as the European Standardization Organizations (ESOs).

# 3 ESOs – making up the European Standardization System (ESS)



Interregional collaboration on selected standardization subjects



- In addition to SDOs, there are other organizations that do not strictly or entirely use formal standardization procedures but aim at defining standards in a specific area
  - Example Industrial Fora/Consortia: they are composed of groups of companies that temporarily join their efforts on specific subjects to realise, accelerate, complement, or promote the development of standards



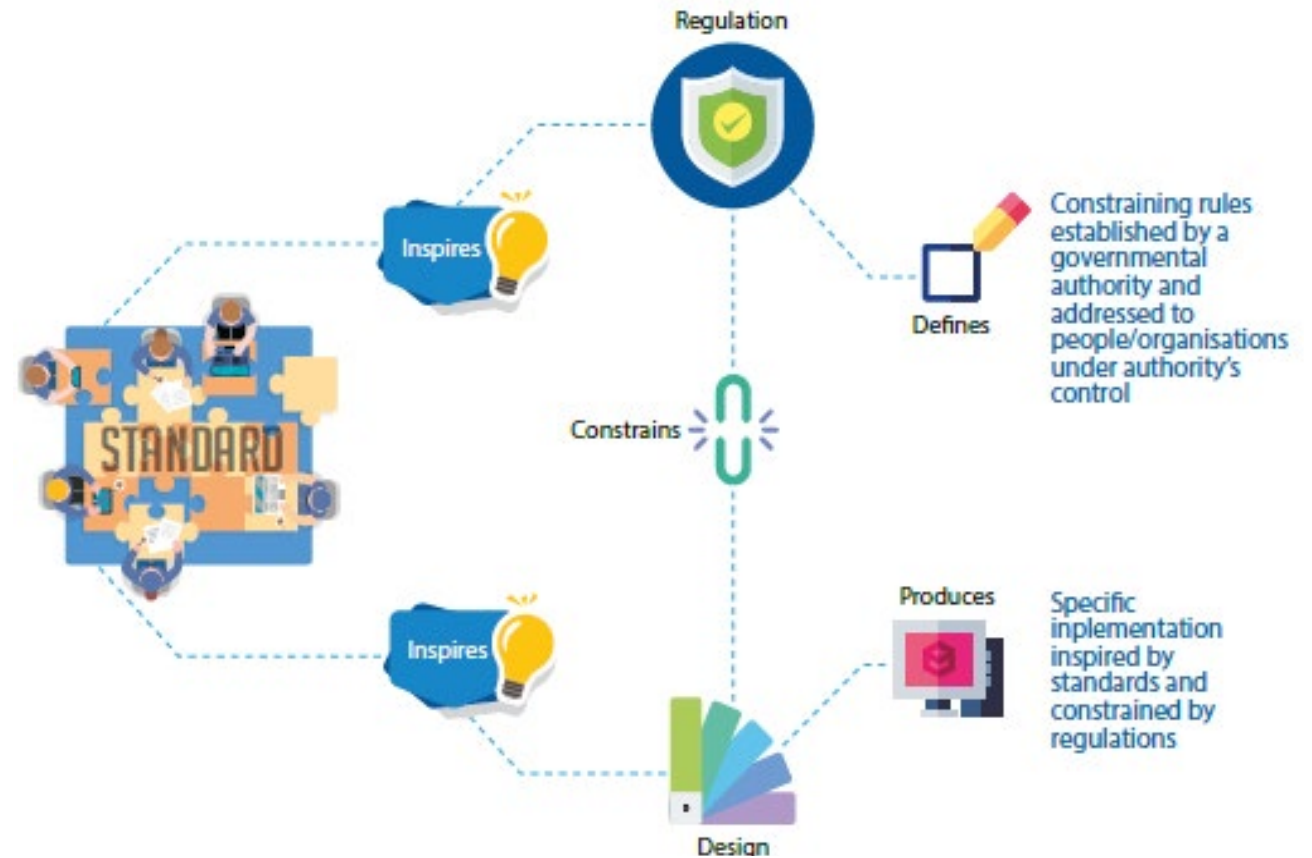
- We all use them – for example
  - PDF: a document format created by Adobe Systems.
  - HTML: a language for describing the structure of Web pages. It was originally created by Tim Berners-Lee, and it is currently published and maintained by W3C.
  - Microsoft Windows: an operating system that became an industry standard, and so did its specifications (e.g., the Microsoft Web Services Security specification, WS-Security).
- They are called “de facto standards”. They are common practices adopted by the market, which are not the result of any formal standardization process.
- De facto standards may be adopted as formal standards by recognised SDOs:
  - ISO/IEC 15445:2000 Information technology -- Document description and processing languages -- HyperText Markup Language (HTML).
  - ISO 32000-1:2008 Document management -- Portable document format -- Part 1: PDF.

- SDOs can create groups/projects for cooperating in the definition of specific standards
  - 3GPP
    - The standards that ensure your mobile works
  - OneM2M
    - interoperability of Machine-to-Machine (M2M) communications and the Internet of Things (IoT).

Partnership projects are creating global standards, hence the reason your phone works everywhere, but don't forget to pack the power adapter when you go on holiday!



- Standards are NOT regulations.
- Standards are NOT a set of thorough design rules.
- Standards are voluntary, NOT compulsory
- But some regulations reference standards
- Some regulators ask for standards- e.g. the EC with standardization requests





- Standards development organizations enable the creation and maintenance of standards
- Experts write the standards
- They come from industry, academia, governmental bodies....
- Most SDOs have some form of membership
- Go find your national one
- Search for standards on something you are interested in, and see who the SDO is
- <https://webapp.etsi.org/Teddi/> - what is that acronym

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Thank you for your  
attention

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