



Indicateurs de performance environnementale des datacenters

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Indicateurs de performance environnementale des datacenters



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WE GREEN IT

JOURNÉE DE CONFÉRENCE SUR LE NUMÉRIQUE RESPONSABLE

Data centers : le contexte de la normalisation



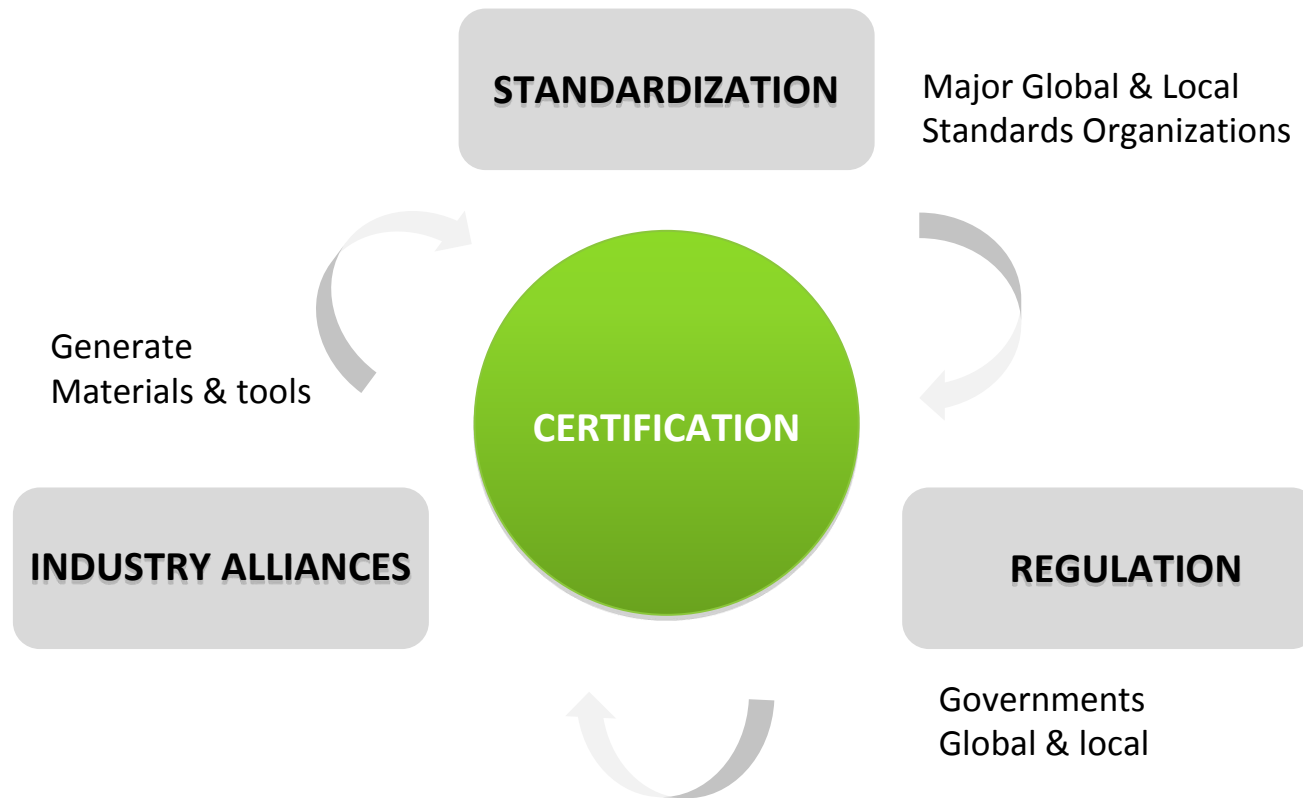
André Rouyer

Délégué Infrastructures du numérique

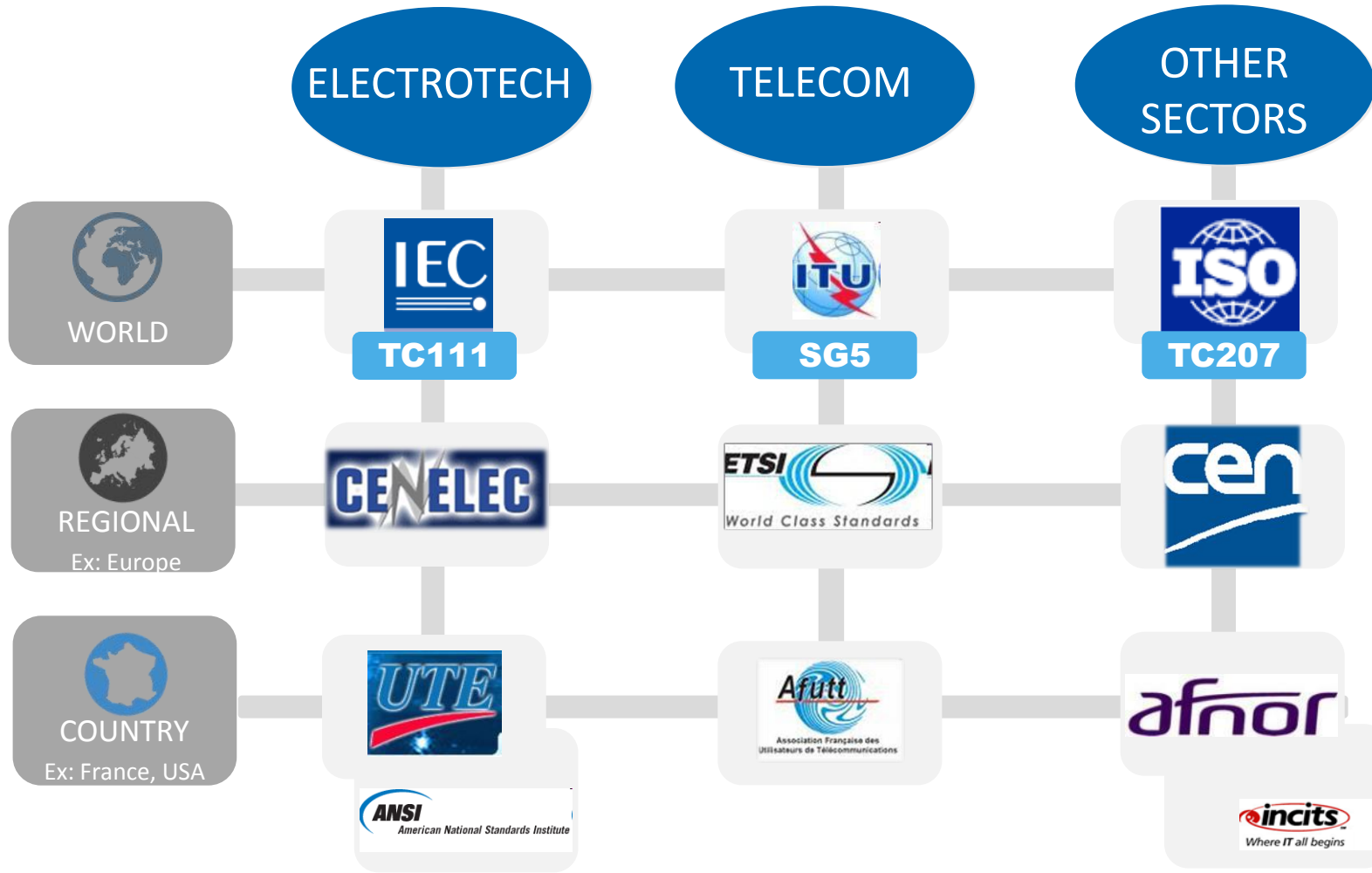
Gimélec

3 poles, a virtuous loop

Stakeholder groups involved with sustainability :



Standardization bodies



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Other organizations

- ▶ Other committees publishing documents internationally recognized:

- ▶ Ashrae
- ▶ IEEE
- ▶ GHG Protocol



World Business Council for Sustainable Development

- ▶ Other methodologies:

- ▶ IEC, ISO, ITU

European standardization on data centers

Main project

Monitoring (Cen/Cenelec)

Cooling (ASHRAE)

Power infrastructure
(Cenelec)

IT
(Cen-Cenelec)

Network (ETSI)

Environment:
Cen/Cenelec

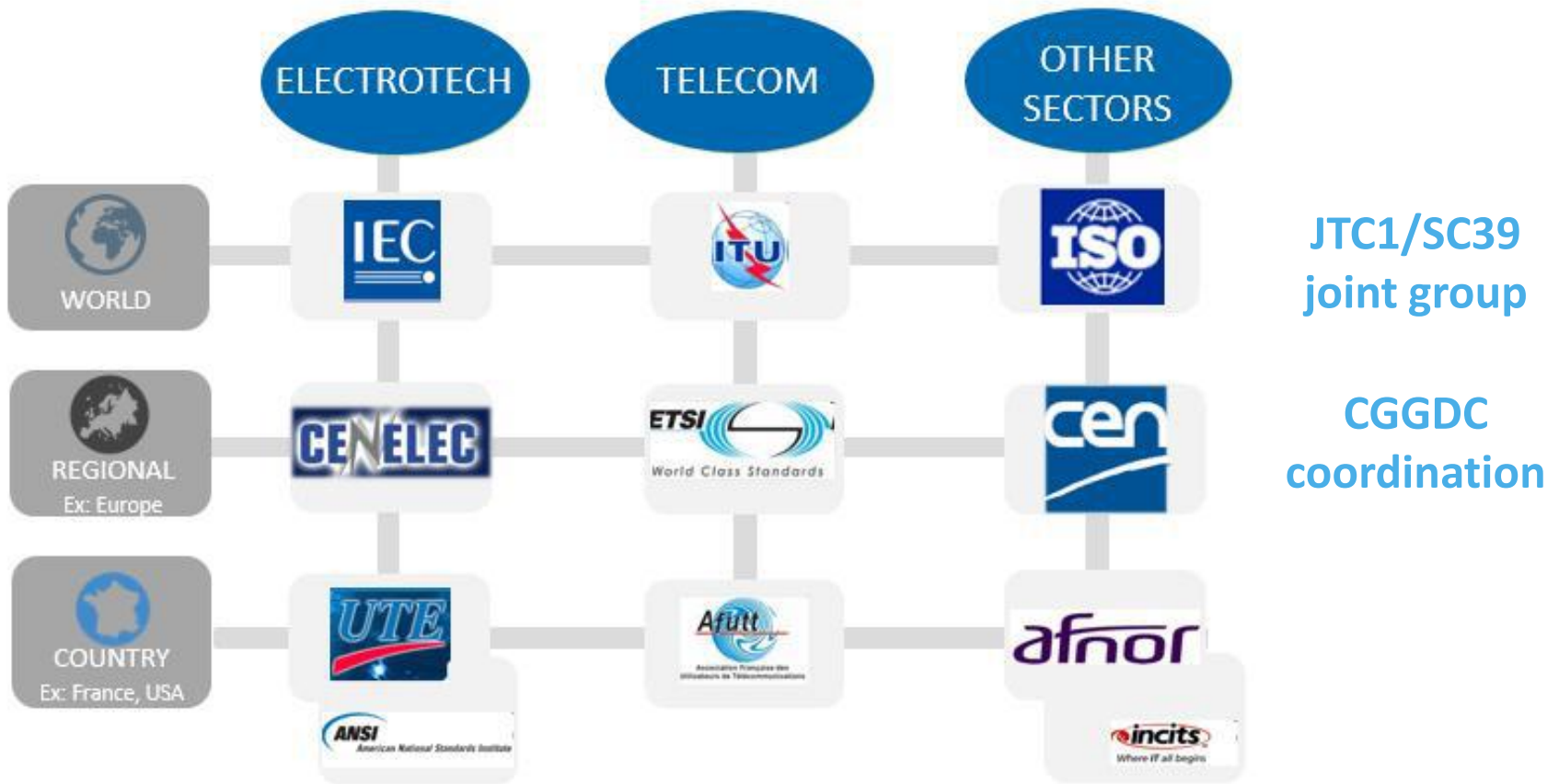
Quality:
Cen

Management:
Cen

- ▶ **Need to set-up coordination / joint groups**

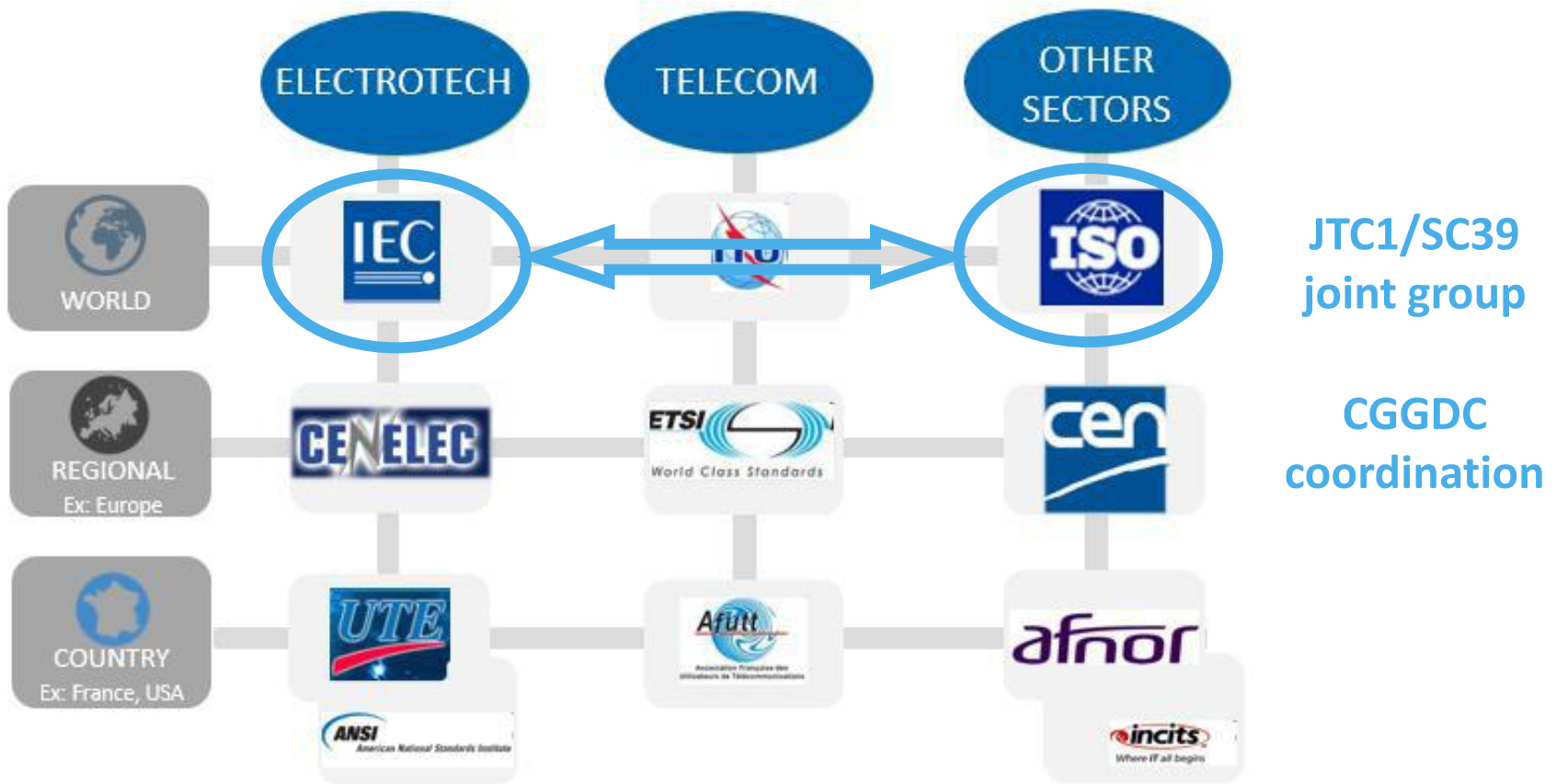
Coordinating data center standardization

- ▶ To harmonize practices and regulation



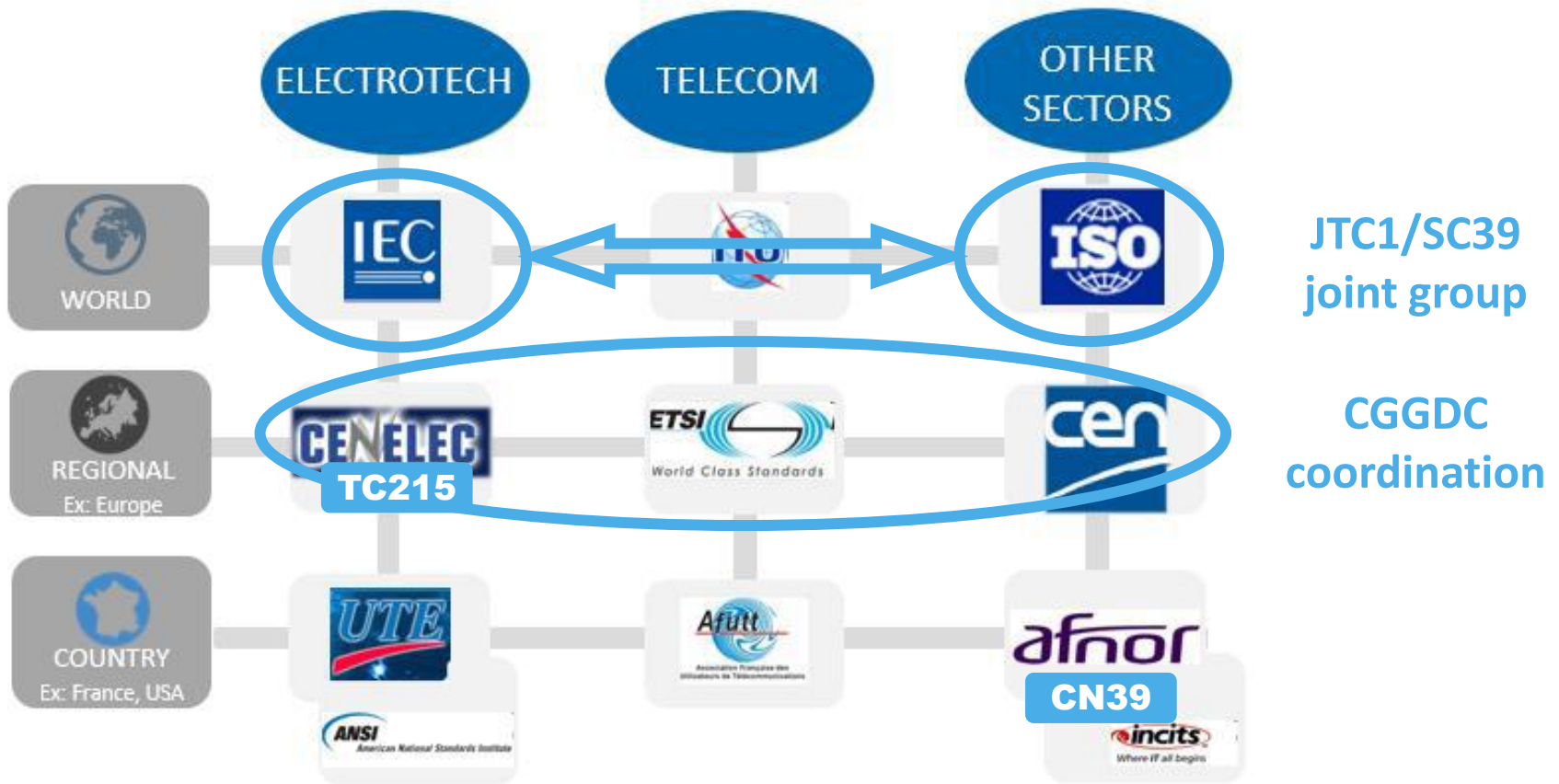
Coordinating data center standardization

- ▶ To harmonize practices and regulation



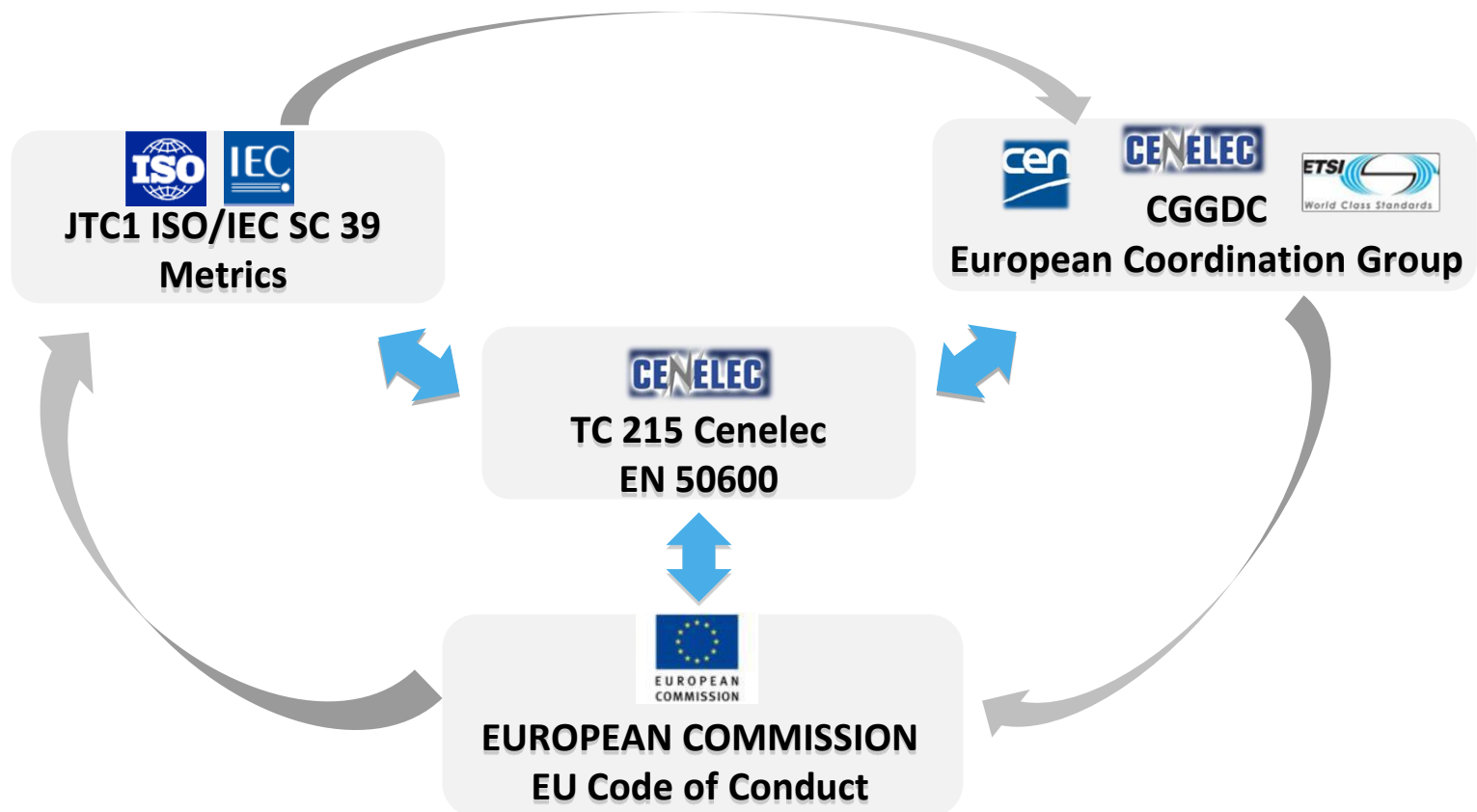
Coordinating data center standardization

- ▶ To harmonize practices and regulation



Our priorities

Main groups involved with standardization



Standardization : main projects on data centers



EU CGGDC:

- ▶ Coordination Group on Green Data Centers (Cen-Cenelec-ETSI)
- ▶ Harmonize current projects on data centers: priority topics ; Code of Conduct promotion ; consistency



Global JTC1/SC39:

- ▶ Joint groups ISO-IEC
- ▶ Liaison with CG GDC
- ▶ PUE standard close to publication, as well as REF (Renewables)
- ▶ Set up metrics/measurement for data centers (Energy Reuse, IT efficiency, etc...)



EU TC215:

- ▶ Cenelec
- ▶ Design standards for the network including data centers (Tier, Code of Conduct, installation, cabling, connection, etc.)



European Code of Conduct

Objective: Reducing energy consumption of data centers

- ▶ Voluntary commitment of individual companies which own or operate data centers
- ▶ Through monitoring power and energy consumption
- ▶ Adoption of best practices

Status:

- ▶ 180 participant operators are compliant
- ▶ 300 + endorsers (manufacturers, contractors, etc.)
- ▶ Enhancement through compulsory compliance for bidders within the Frame of public offers (e.g: UK)
- ▶ May be used as a base for future European directives

Global harmonization of policies : barriers

Is it possible to harmonize works across the globe ?

- ▶ Legal issues
- ▶ Energy policies
- ▶ Energy portfolios
- ▶ Commitment to reduce gas emissions

- ▶ **Next challenge in the European landscape**

Contact

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Merci de votre attention

Questions/réponses

