AI Standardisation in Europe
Role and agenda of CEN-CENELEC JTC21

HSBooster Webinar "Advancing AI Regulation through Standardisation"

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Chair CEN-CENELEC JTC 21
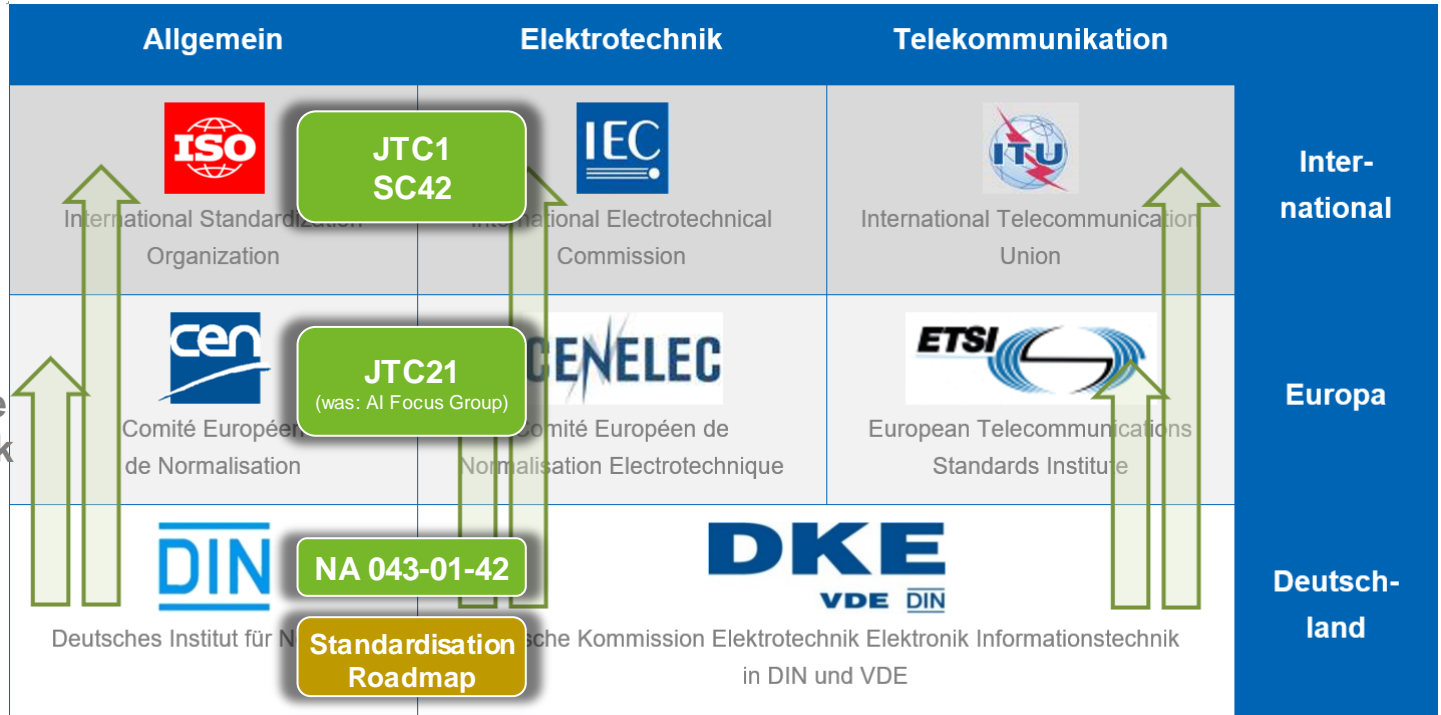
Co-Chair Classification & Risk Assessment OECD ONE.AI

Chair TWG „Trusted Information" StandICT / EUOS

2022-12-19

VDE

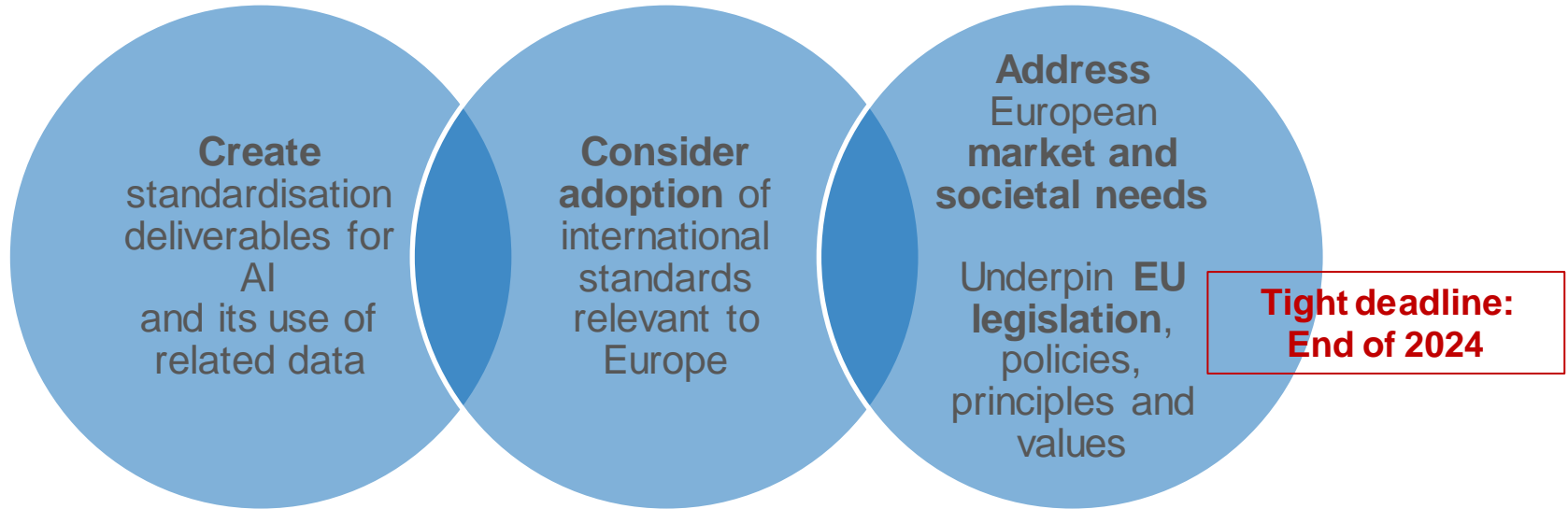# Reminder: European AI standardisation in the international context

JTC21 mission

> 120 participants
> 20 countries

Create standardisation deliverables for AI and its use of related data

Consider adoption of international standards relevant to Europe

Address European **market and societal needs**

Underpin **EU legislation**, policies, principles and values

Tight deadline: End of 2024

A bird's eye view of JTC21 work items

	WG 1: SAG Patrick Bezombes (FR) Francisco Medeiros (BE)	WG 2: Operational Aspects Emilia Tantar (LU) Ansgar Koene (UK)	WG 3: Engineering Aspects James Davenport (UK) Anders Kofod-Petersen (DK)	WG 4: Foundational & Societal Aspects Laurence Devillers (FR)
NWIPs already approved by ballot	Advisory group – does not develop standards	▪ TR **AI Conformity Assessment** (Emilia Tantar, LU)	▪ TR **Overview of AI tasks and functionalities related to natural language processing** (Lauriane Aufrant, FR)	▪ EN **AI-Enhanced Nudging** (Laurence Devillers, FR) ▪ EN **Adoption of ISO/IEC 22989 - Artificial intelligence concepts and terminology** ▪ EN **Adoption of ISO/IEC 23053 - Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)**
NWIPs in preparation	-	▪ PWI (TR) **AI Risks – Check List for AI Risks Management** (Renaud Di Francesco, IT) ▪ PWI (EN) **Adoption of ISO/IEC 42001 AI Management system** (Martha Janczarski, IE)	▪ PWI (TR) **Data Governance and data quality for AI in the European context** (Domenico Natale, IT)	▪ PWI (EN) **AI trustworthiness characterization** (Agnes Delaborde, FR / Henri Sohier, FR) ▪ TR **Green/Sustainable AI** (Valerie Livina, UK)
Expected further NWIPs from…	-	▪ SR1 (risk management system) ▪ SR2 (governance/quality of data) ▪ SR9 (quality mgmt) ▪ SR10 (conformity assessment)	▪ SR3 (logging) ▪ SR6 (accuracy) ▪ SR7 (robustness) ▪ Vertical standards ▪ Resource provisioning	▪ AHG8 work (incl. augmented goal specification) ▪ SR4 (transparency) ▪ SR5 (human oversight)
WG Secretariat	DS	BSI	DS	AFNOR

What makes „good" European AI standards?

❖ **No reinventing the wheel**: Use of ISO-IEC standards whereever possible

❖ **Supporting innovation and competition:**

➢ Actionable(*) standards

➢ Coherent with other standards and frameworks
ETSI, ISO/IEC, OECD, UNESCO, IEEE, BDVA, GAIA-X, CAI / Council of Europe, …

➢ Strong **horizontal** approach ➔ interconnection with sectorial standardization

E.g. « explainability » as a concept is domain-agnostic/horizontal, « level of explainability » is domain-specific/context dependent
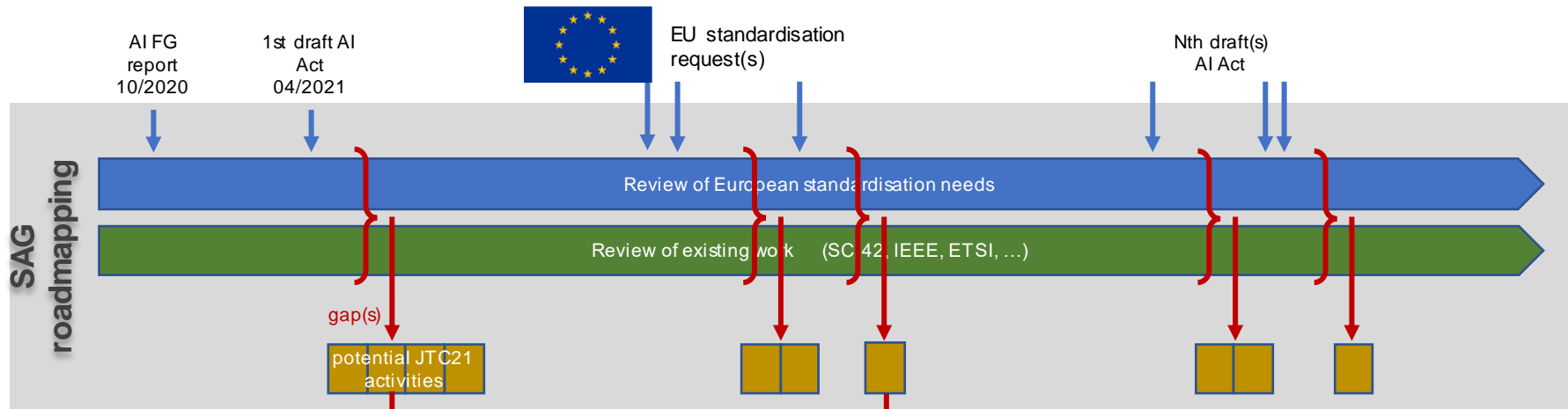
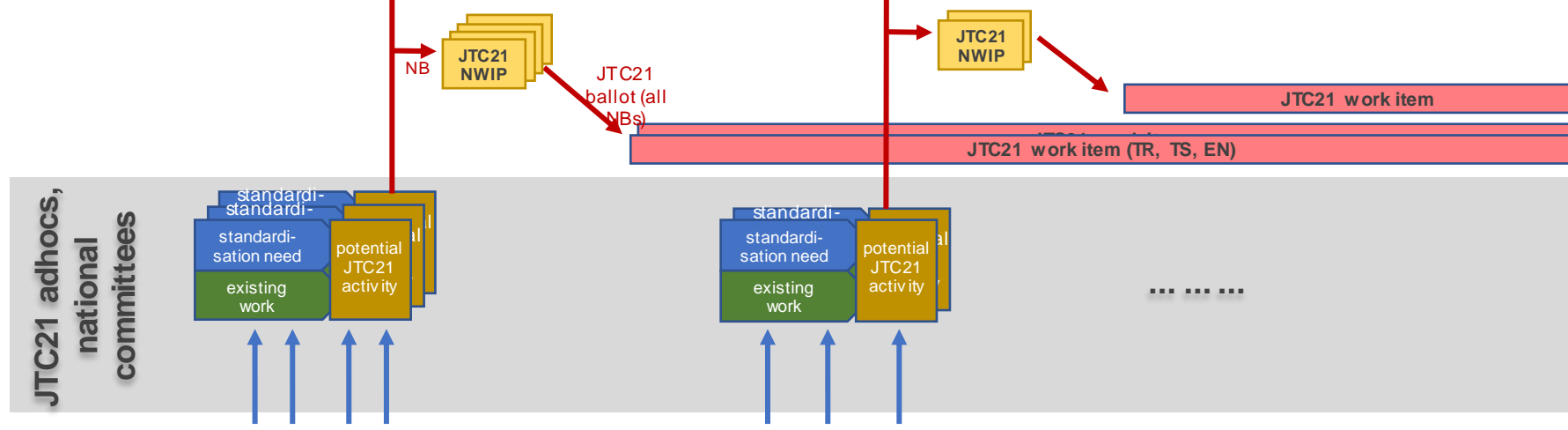❖ **Satisfying European specificities and requirements**:

➢ EU values and principles, including protections for citizens and consumers

➢ EU AI Act, with its timeline

➢ Strategic goal: EU should be a global standard setter, not just a standard taker

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(*) *Actionable:*
- *Comprehensive*
- *Operationalizable specifications and metrics*
- *Innovation-friendly*

JTC21 creation of work items

Thank you!

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