



#Standards4AI

'Putting Science Into Standards' workshop

Welcome!
We will start soon

AI for Finance

9 June, 9:15-10:30



Panel discussion

AI for Finance



Roundtable speakers

Karen CROXSON

FCA UK

Andrea CACCIA

Chair CEN-CENELEC JTC
19 Blockchain

Jörg OSTERRIEDER

University of Twente
and ZHAW

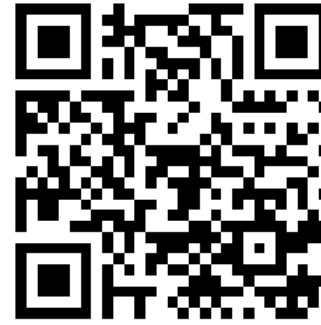
Rapporteur: Maurizio Salvi (JRC)



Audience interaction



slido.com
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- ✓ Select the **AI for Finance** room on Slido
- 💬 Zoom chat - only technical questions to host
- 🚫 Camera and audio OFF



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Karen CROXSON
FCA UK

Professional background



- ▶ Deputy Chief Economist & Head of Research, Economic Data Science & Behavioural Science
- ▶ FCA regulates UK financial services, with operational objectives to protect consumers, promote effective competition and enhance the integrity and resilience of the financial system
- ▶ Increasing touchpoints to big data and AI – a wide range of current and potential use cases, across the FS value chain

Some recent relevant projects:

1. [The Benefits and Harms of Algorithms: a shared perspective from the four digital regulators](#)
2. [Auditing Algorithms: the existing landscape, role of regulators and future outlook](#)
3. [Artificial Intelligence Public-Private Forum – Final Report](#)

Challenges Faced & Solutions



Some of the key potential harms that firms should be aware of and ensure they can address effectively:

- Algo bias leading to discriminatory decisions, entrenching worse outcomes for certain groups
- Exploitation of behavioural biases, potential to identify and exploit consumers (scams/exploiting 'vices' like gambling)
- Big data creates more risk of bad data – risks related to poor data quality can translate into prudential risks

Challenges Faced & Solutions



Risks and challenges are context dependent (no one-size fits all `solution`)

Under our current regime, firms must understand risks to consumers and be accountable for outcomes irrespective of technology deployed ([Senior Managers & Certification Regime](#))

There is a need for further debate, understanding and evidence on potential harms from AI, for greater clarity on how current regulatory framework applies and how we can best support further safe AI adoption – + opportunities for stakeholders to share views (forums like this).

The AIPPF provided one forum to advance this work. The remit included identifying barriers to AI deployment, risks, and areas where further regulatory principles or guidance would be beneficial.

Way Forward, Next Steps



We'll be publishing shortly a Discussion Paper with the Bank of England that will lay out some of these issues and invite feedback in the context of AI in FS.

In the coming year as part of the DRCF we will also explore the role of third party auditing.



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Thank you!



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Andrea CACCIA
chair CEN-CENELEC JTC 19 Blockchain

Professional background



- ▶ Chair of CEN/CENELEC/JTC 19 on Blockchain and Distributed Ledger Technologies and CEN/TC 434 on Electronic Invoicing
- ▶ Member of the Task Force Rolling Plan of EC's Multi Stakeholders Platform on ICT Standardisation
- ▶ Digital trust services, cybersecurity, data economy

Challenges Faced & Solutions



- ▶ The quality of data is key for the financial sector and also perceived as a key issue for trustworthy AI in critical sectors
- ▶ While this is perceived as a key issue, without a model it risk to remain a qualitative requirement difficult to comply with
- ▶ Standards for data quality model (ISO/IEC 25012) and measurement (ISO/IEC 25024) already exist, their suitability for AI is not directly assessed. In SC42 these standards are normative about data quality with some appropriate specification and extensions for AI context
- ▶ The data quality model should not be AI specific to avoid unnecessary compliance costs

Way Forward, Next Steps



- ▶ The foreseen regulatory landscape relies on standards for data quality: a model is necessary to avoid a qualitative approach and enable conformity assessment
- ▶ Suitability of standards on data quality model should be assessed for AI specific challenges
- ▶ new standardization activities should then rely on existing work and not create AI specific models, to avoid unnecessary sots and complexity
- ▶ Finance specific requirements should then leverage on this common approach to data quality



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Thank you!

Programme – what's next?



10:30 - 10:45

Coffee break

10:45 - 12:00

Parallel sessions (Media/ Medicine & Healthcare/ Industrial Automation & Robotics)

12:00 - 13:30

Lunch break

13:30 - 16:00

Main Plenary room



Please check your email for the links to access the parallel session of your choice



The link will also be published on Slido and Zoom chat

Let's take a break!



COFFEE BREAK

Join the parallel session of your choice at 10:45!