



# Trustworthy AI regulations and their industrial/societal implications

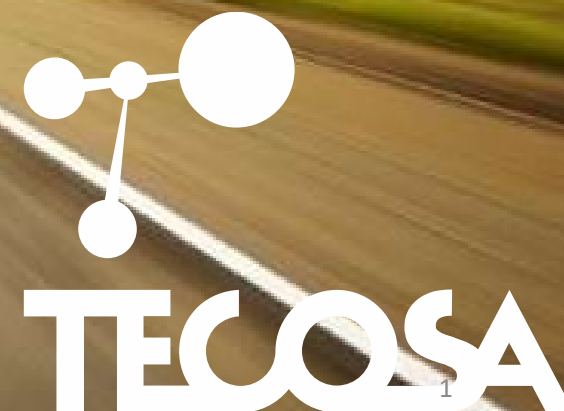


[www.tecosa.center.kth.se](http://www.tecosa.center.kth.se)

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# digital futures

Trustworthy AI workshop, KTH, April 4th



# Agenda

## **13:00 – Session 1: Keynote and Invited short talks (1h+30 mins)**

- Keynote talk by Tatjana Evas (EC) (30 mins, 20+10)
- Short talks to set the context for the industrial panel (10+5)!

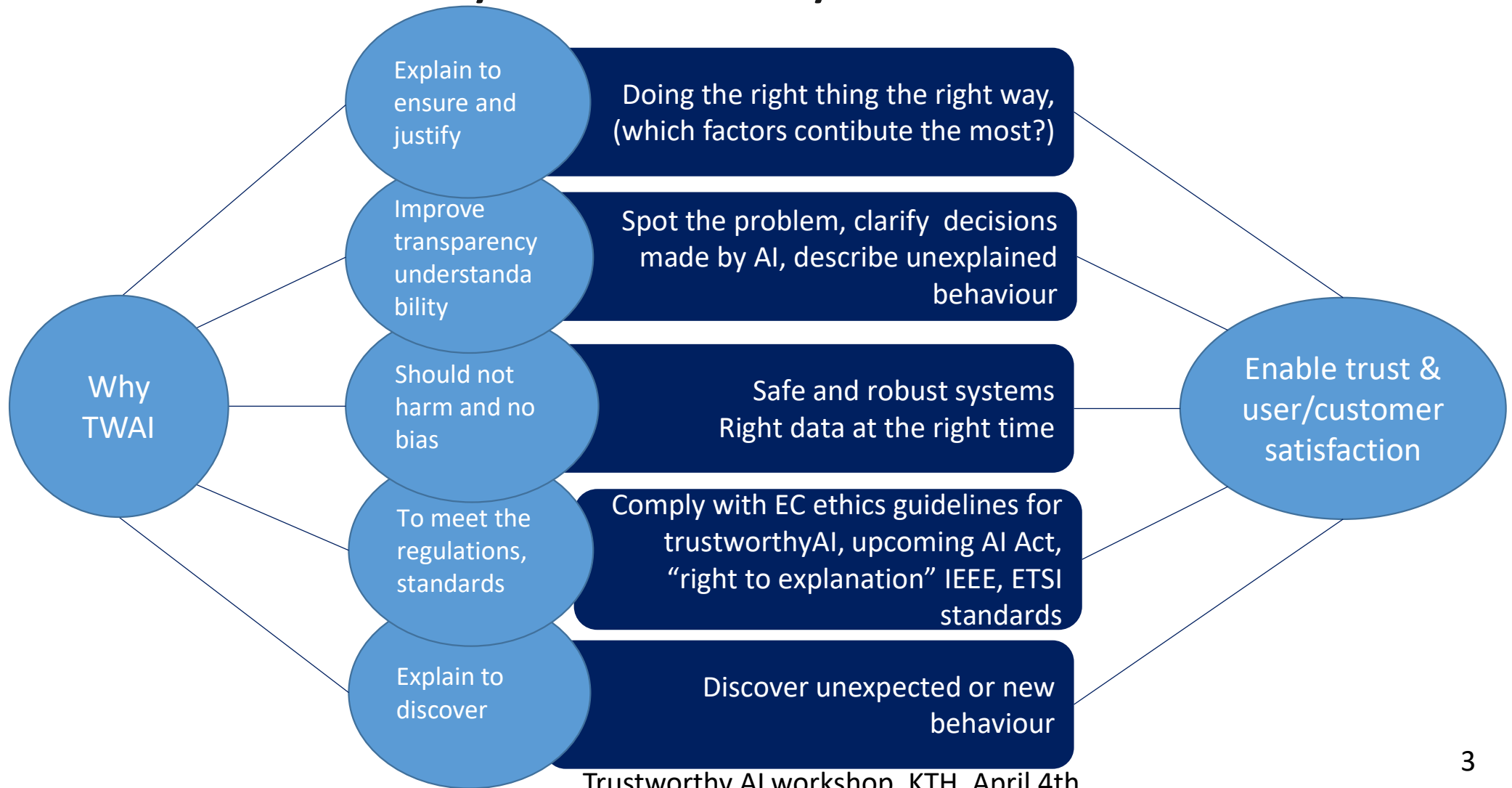
14:35 – change to break out groups - Leg stretch, coffee (10 mins)

## **14:45 – Session 2: Break out groups and brief reporting**

**15:25 – Session 3: Panel debate – industrial responses (40 mins)**

**16:05 – Next steps and Wrap up (10 mins)**

# Trustworthy AI for Society



Trustworthy AI workshop, KTH, April 4th

# Trustworthy AI Regulations

Development of regulations around AI is progressing rapidly faster than any other recent technological advance

## Definition

- *Trustworthy AI* is a term used to describe “AI that is lawful, ethically adherent, and technically robust” [[EC Ethics Guidelines](#)].
- In simple terms: perform as intended and do no harm

## Regulations Act

- [EC Ethics Guidelines](#), [assessment list for trustworthy AI](#), [EU Artificial Intelligence Act](#)
- Google, Microsoft, Amazon, ... Work on Responsible AI
- Recent published report U.S. [National Security Commission for Artificial Intelligence \(NSCAI\)](#)
- [Blueprint for an AI Bill of Rights - The White House](#) Released by the U.S. Office of Science & Technology Policy– Oct 2022, US plan to promote ethical AI- [The Biden administration is introducing new funding and policy guidance for developing artificial intelligence](#), May 4<sup>th</sup> 2023
- [U.S. Executive Order on the safe, secure and trustworthy development of AI](#), Nov 2023
- [Canadian Artificial Intelligence and Data Act](#).
- Stanford Center for Human-Centered AI: <https://hai.stanford.edu/research/ai-index-2022>
- IEEE, ETSI standards, ...



# Trustworthy AI Guidelines by



Human Agency and Oversight

Human autonomy is paramount

Transparency

Usage transparency, explain outcomes

Privacy and Data Governance

Respects data privacy and user consent

Accountability

Traceable and auditable

Diversity, Non-discrimination & Fairness

Unbiased and non-discriminatory

Technical Robustness and Safety

Resilient to attacks and uncertainty

Societal & Environmental wellbeing

Respect human rights and environmental wellbeing

# Workshop overall motivation and goals

Improve awareness of ongoing regulatory changes!

Promote dialogues and interactions between different stakeholders and communities, especially decision makers, legal, research and industrial practitioners!

Discuss impact of regulation on different domains/industries

Increase networking possibilities among different communities

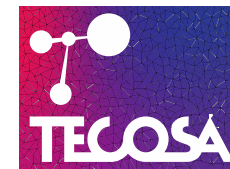
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# Agenda

digital futures



## 13:00 – Session 1: Keynote and Invited short talks (1h+30 mins)

- Keynote talk by Tatjana Evas (EC) (30 mins, 20+10)
- Short talks to set the context for the workshop! (10+5)
  - Fredrik Heintz, Professor LIU (AI)
  - Eduardo Gill-Pedro, Associate professor, Lund University (faculty of law)
  - Anna Felländer, Anch AI
  - Elisabeth Thand Ringqvist, Member of Parliament, Vice Chair Committee on Industry and Trade
  - Hans Hedin, Swedish Post & Telecom Authority (PTS)

## 14:30 – Leg stretch, coffee, and change to break out groups (15 mins)

## 14:45 – Session 2: Break out groups and brief reporting

- 20 min. work session in groups, (chair/notetaker per group to provide a summary with 2 highlights)
  - Main problems to be resolved? Most important action ahead?
- 20 min: Brief summaries per group (1 slide per group)

## 15:25 – Session 3: Panel debate – industrial responses (40 mins)

- Shiva Sander-Tavallaey (ABB)
- Maria Ramstedt (Ericsson)
- Luis Martinez (Volvo cars)
- Anna Sööder (Schibsted)

## 16:05 – Next steps and Wrap up (10 mins)

16:15 – *End of Day*