



XIV
CONGRESSO
NAZIONALE
DEGLI
ATTUARI

L'ATTUARIO GLOBALE
PER UN MONDO
SOSTENIBILE
TRA TRADIZIONE,
INNOVAZIONE
E RISCHI EMERGENTI

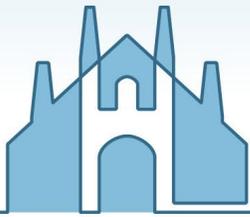
MILANO
15-17 Novembre 2023
Hotel Quark

Future Actuary – Challenges and Vision of IAA

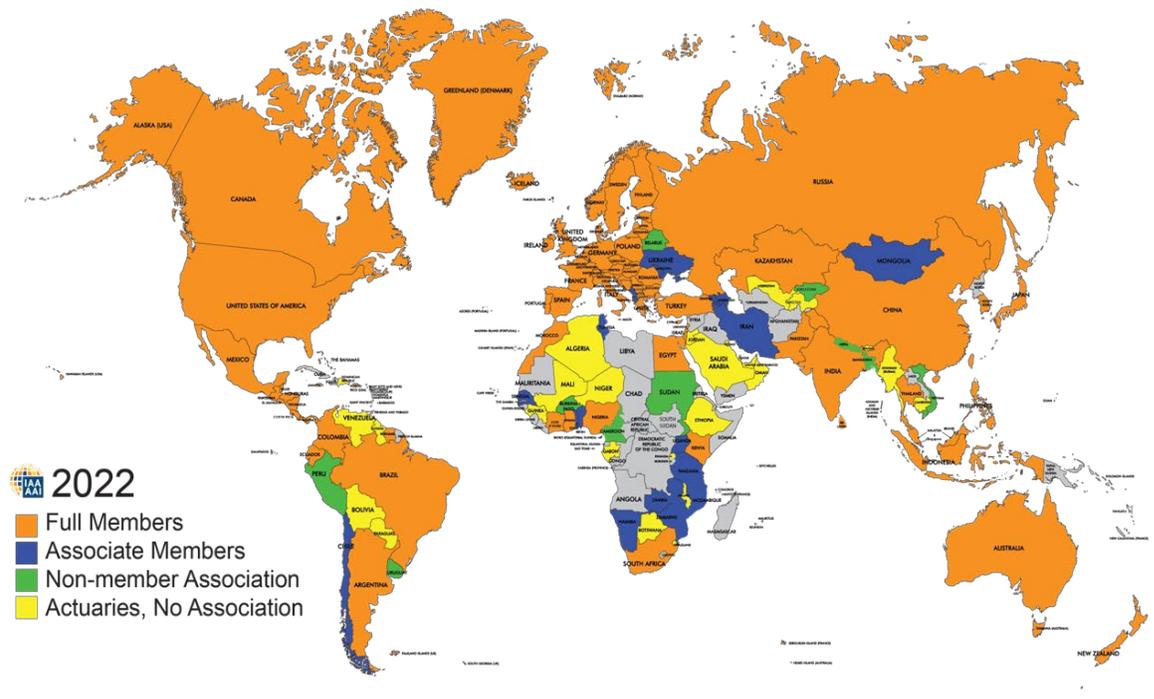
Dr. Clemens Frey

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Member of the Board, DAV | Member of the Executive Committee, IAA



IAA is a global organization – It represents 75,000+ actuaries in more than 115 countries all over the world



OUR VISION

The actuarial profession is globally recognized as leading experts in risk and financial security, contributing to the well-being of society.

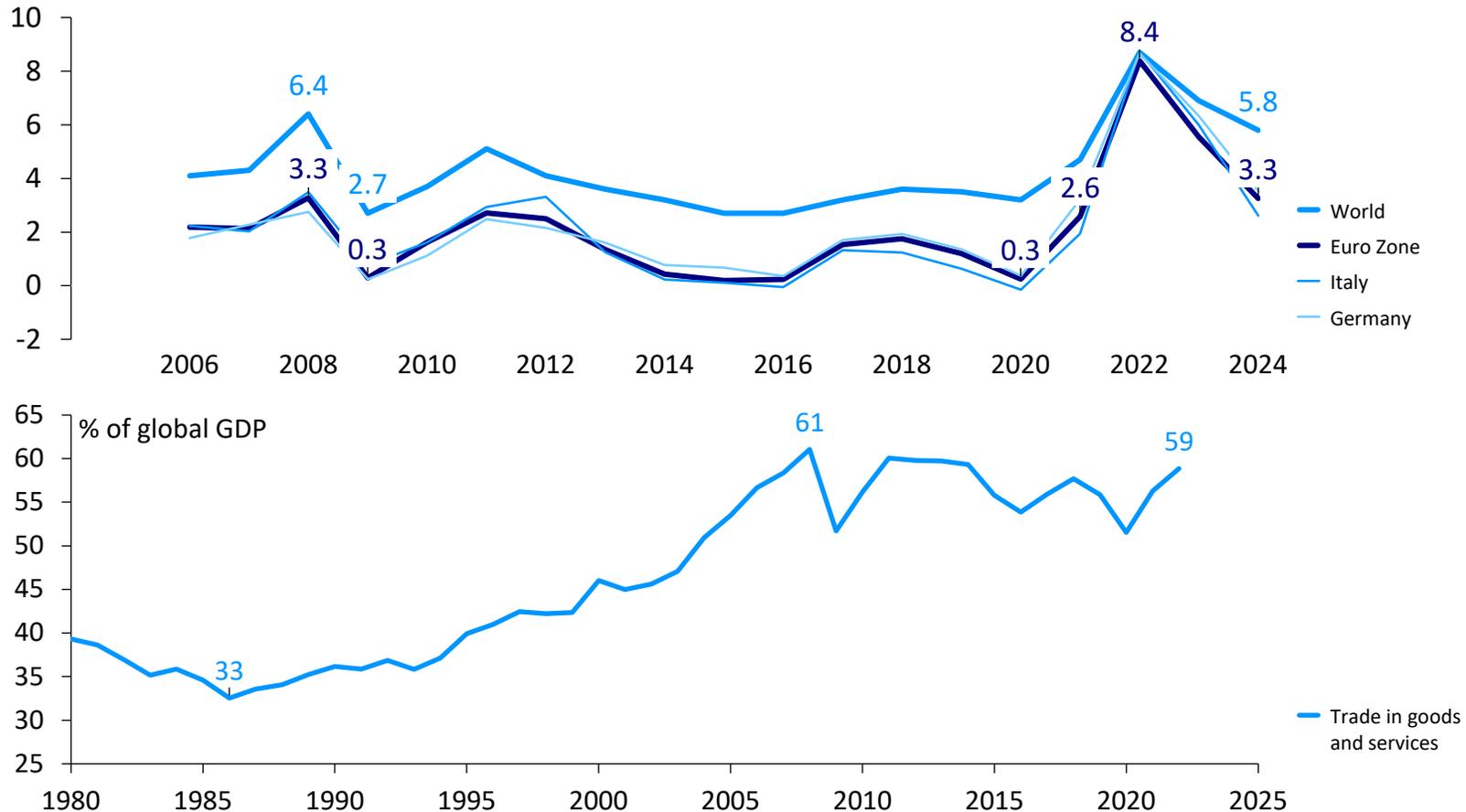


The Mission of the IAA

- I *Impact* global stakeholders
- A *Assure* the reputation of the profession
- A *Advance* the competency of the profession

Global inflation is expected to ease from its peak in 2022 – However, inflation remains stickier than initially anticipated

Global inflation rates¹⁾, global trade in goods and services²⁾ and drivers



Drivers

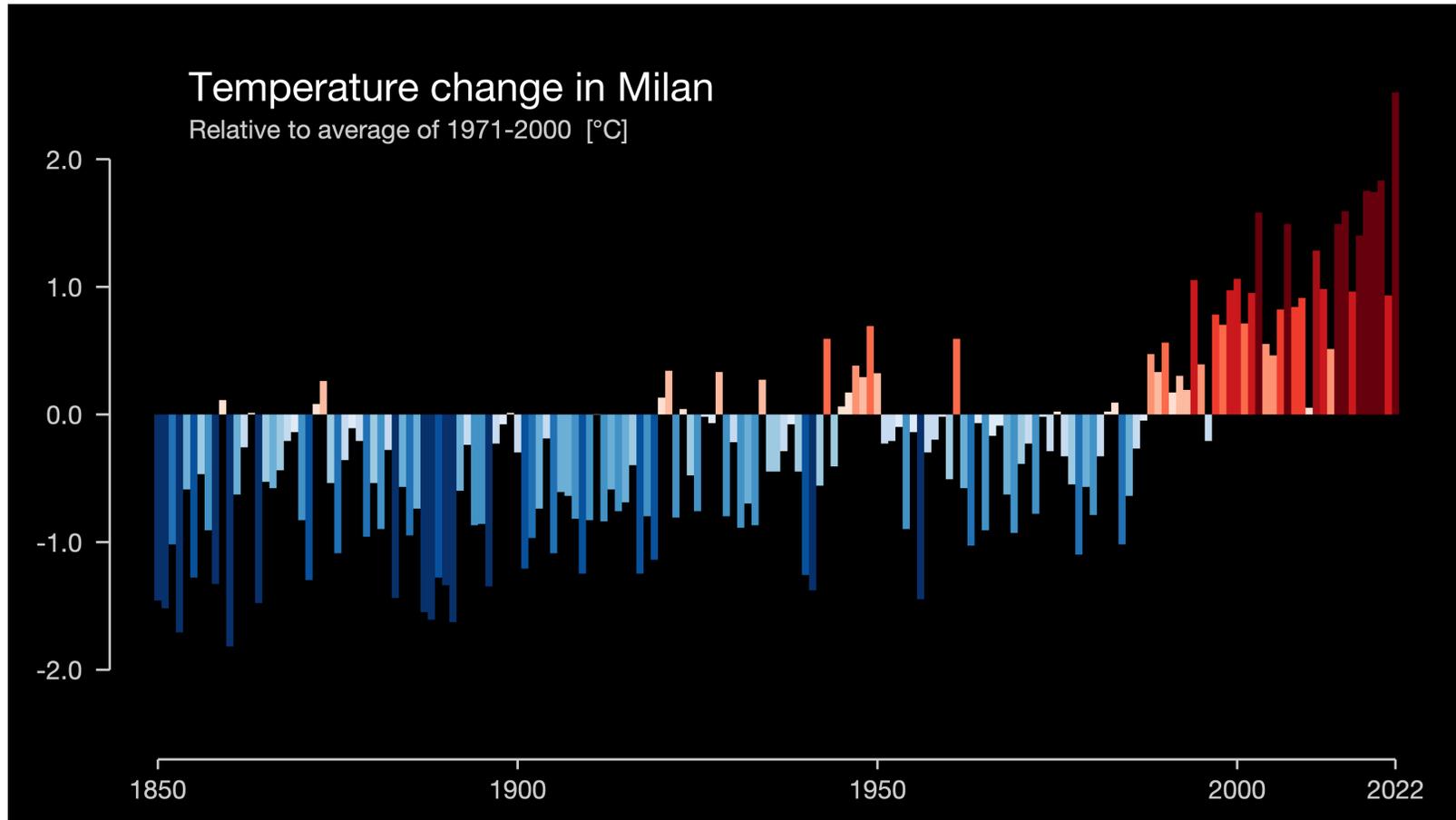
- (De-)Globalisation / "Slowbalisation"
- Decarbonisation, focus on sustainability
- Demographic change
- Changing risk landscape (political, cyber, climate)
- Digitalisation and use of ML, AI, GenAI

Insurance industry and we as actuaries have to adapt – i.e. review and redefine roles, required skills and our value-add to the industry

1) Annual change in average consumer prices (headline inflation) 2) In % of global GDP

Our business is models and risk – so our future role will be strongly affected by climate risk and increasing sustainability activity in general ...

Temperature changes worldwide and in Milan



**Green transition
and mitigating the effects of
climate change need to speed-up**

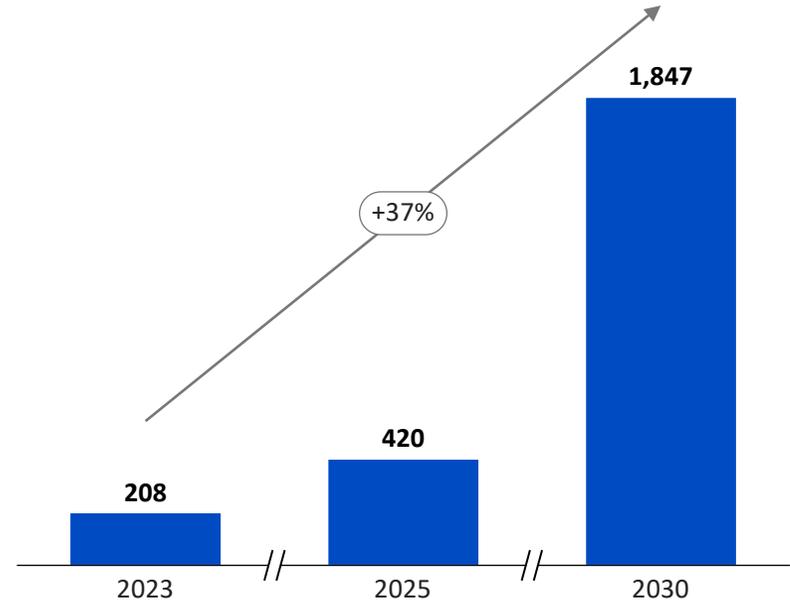
"Enhancing climate-risk-monitoring systems and risk management frameworks and stronger safety nets and insurance are also needed to enhance climate resilience."

... as well as by AI – generating a substantial global economic impact of USD ~15.7 trillion in 2030 and reaching a staggering USD 1.8 trillion market size

AI market size and impact on GDP

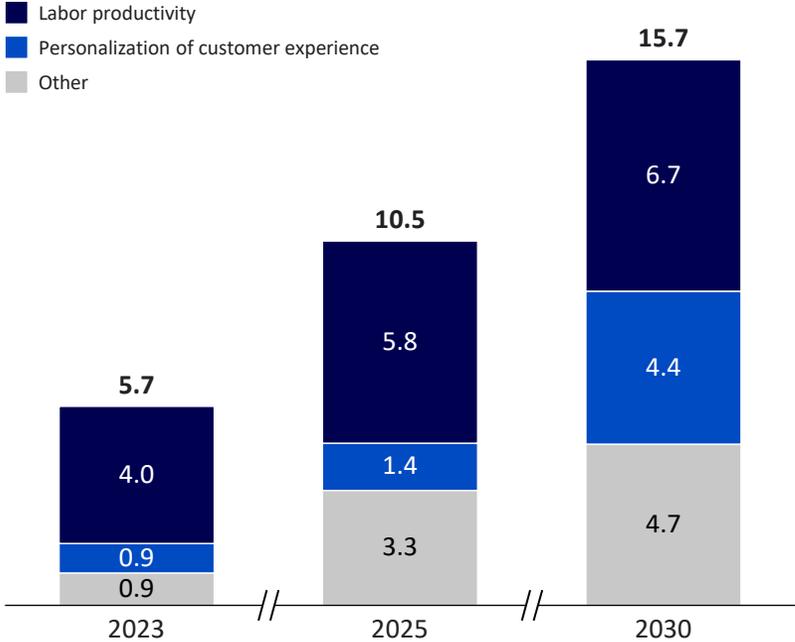
The size of AI market is projected to surpass 1.8 trillion globally¹⁾

AI market size forecast [billion dollar, 2023-2030]



AI adoption could boost global GDP by ~\$15.7 trillion in 2030 mainly via labor efficiency uplift

AI's impact on global GDP [trillion dollar, 2023-2030]



Highlights

- Major advancements in GPUs²⁾ have led to increased **computational power**
- There is an **abundance of data** generated every daily
- The latest **Machine Learning techniques** allows large learning models to advance swiftly
- The **technology is advancing fairly quickly**, hence the **competitive gap between early and late adopters will widen**

1) To compare with, the market size of automotive industry is ~2.8 trillion dollar in 2023; 2) Graphics Processing Unit: specialized electronic circuit designed to manipulate and alter memory to accelerate the creation of images in a frame buffer intended for output to a display device



How IAA brings the mission to life

Committees

- **Managing entities** – providing full range of activities including oversight to other IAA entities or activities

Task Forces

- **Doing entities** – delivering on key IAA objectives
- Actions will be limited by objectives and/or time

Forums

- **Sharing entities** – facilitating the sharing of knowledge and expertise between Full Member Associations



Thank you very much!



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