EU**Cloud**Edge**loT**.eu

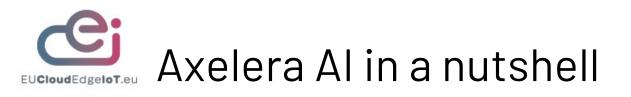
Digital Platforms for the Cloud-Edge-IoT, Innovation through Open Source & Software

Axelera AI : Simplifying & Accelerating AI at the Edge

Giuseppe Garcea, Director of Silicon & Co-founder



Funded by the European Union



- Established in July 2021, now 130+ employees, 50+ PhDs in AI, compiler and VLSI design
- □ HQ in Eindhoven (NL), main offices in Zürich (CH), Leuven (BE),
 Bristol (UK), Florence (IT), US operations from August 2023
- A breakthrough in Digital In-Memory Computing (D-IMC) & RISC-V for Al processing
- Started shipping Metis, our ultra-efficient cost-effective 214 TOPS
 Edge Al accelerator
- △ **3 Tape outs** in 2.5 years





△ HORIZON-CL4-2024-DATA-01-03 Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)

 \bigcirc



21/11/23



- Push father the efficiency and optimize the implementation of our core technology based on in memory computing
- Fine grained power control, multiprecision for weights and acitvations, explore sparsity

