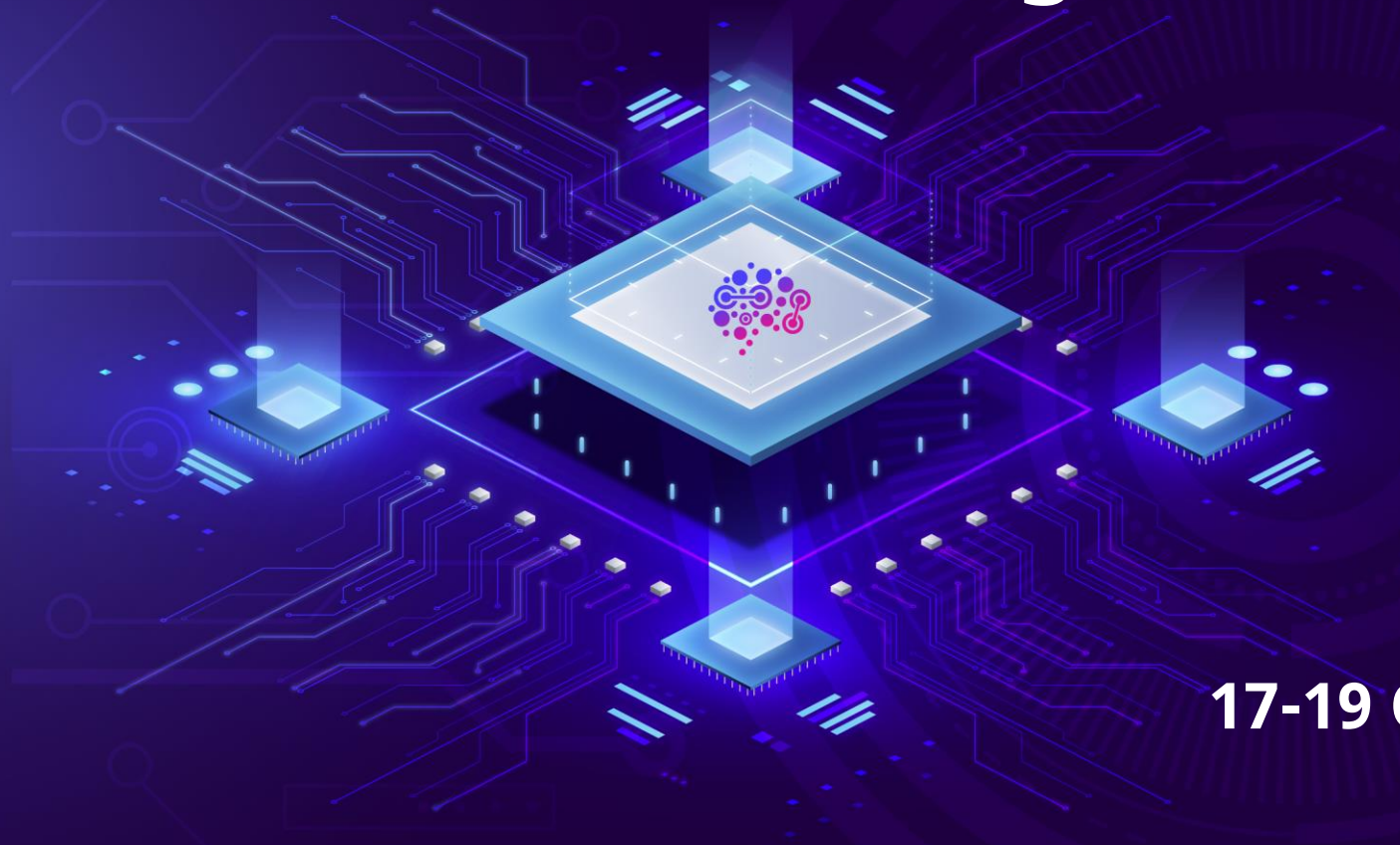
European Conference on EDGE AI Technologies and Applications - EEAI



Advancing emerging edge AI technologies and driving next generation intelligent applications.

17-19 October 2023, Athens, Greece

European Conference on EDGE AI Technologies and Applications - EEAI

AI4DI - Artificial Intelligence for Digitizing Industry

Ovidiu Vermesan, SINTEF, Norway

17-19 October 2023 Athens, Greece

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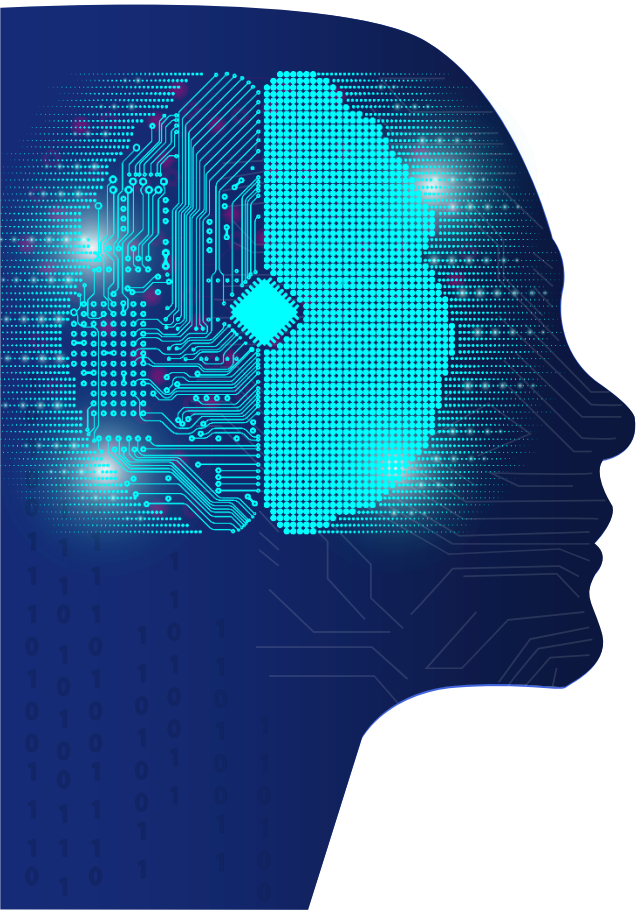
Presentation Outline



- Overview
- State-of-the-art
- Highlights

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Project Overview

ECSEL AI4DI - Artificial Intelligence for Digitizing Industry

AI4DI aimed is bringing AI from the cloud to the edge and making Europe a leader in silicon-born AI by advancing Moore's law and accelerating edge processing adoption in different industries through reference demonstrators.

Start May **2019**	End Dec **2022**
Duration **44M**	Budget **30M€**
Partners **41**	Countries **12**

https://www.ai4di.eu

linkedin.com/company/ai4di

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AI4DI Objectives

AI4DI's mission is bringing AI from the cloud to the edge and making Europe a leader in silicon-born AI by advancing Moore's law and accelerating edge processing adoption in different industries through reference demonstrators.

AI4DI built a roadmap on AI-based technologies, exploitation studies, business cases that are supporting accelerating the adoption of AI hardware (HW) and software (SW) solutions by the European industry.

Provide AI-based technologies at the edge for digitising the industry by reducing costs, save time, optimising/ improving processes/products/services, increasing quality by enhancing industrial processes, and built and sustain a dynamic AI technology ecosystem in Europe.

AI4DI Consortium

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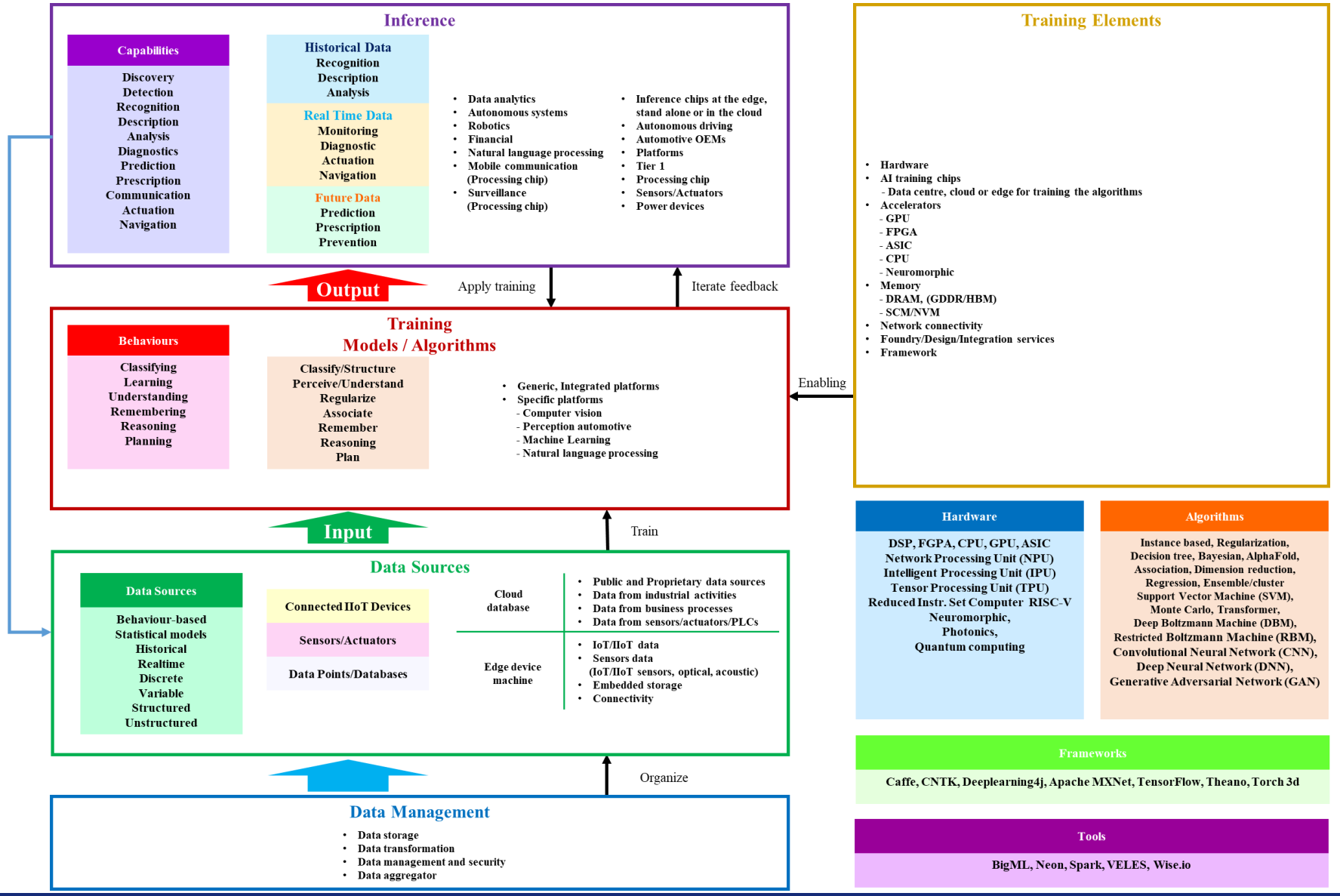
AI4DI Value Chain



AI value chain aligned with E2E AI technology stack with AI-related technologies grouped to reflect:

AI hardware

- *Neuromorphic, CPUs, GPUs, FPGAs, ASICs.*

Interfaces

Platforms

- *Frameworks*
- *Algorithms*
- *Architectures,*
- *Topologies*

Training/learning

- *Methods*
- *Data types*

Applications, and services.

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State-of-the-art Developments in the Project

AI4DI https://vimeo.com/613418147

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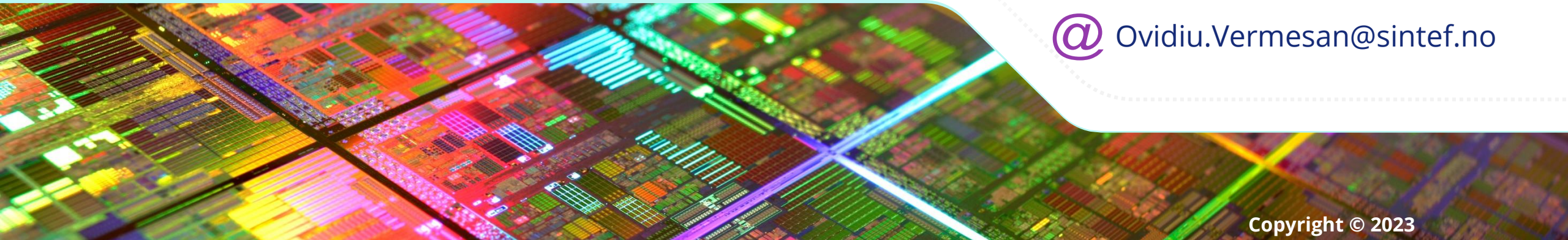
EDGE AI

Thank You

For your attention



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