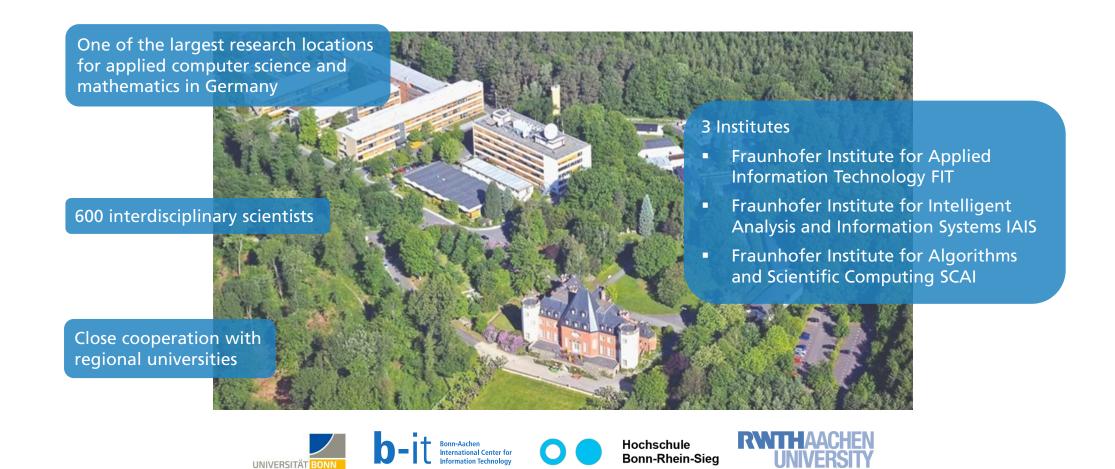
THE RTO INNOVATION SUMMIT

# Insights from joining the EU forces in platforms – AI4EU

Joachim Köhler (Fraunhofer IAIS) 6th of November 2018 Brussels

## Fraunhofer Institute Center Schloss Birlinghoven





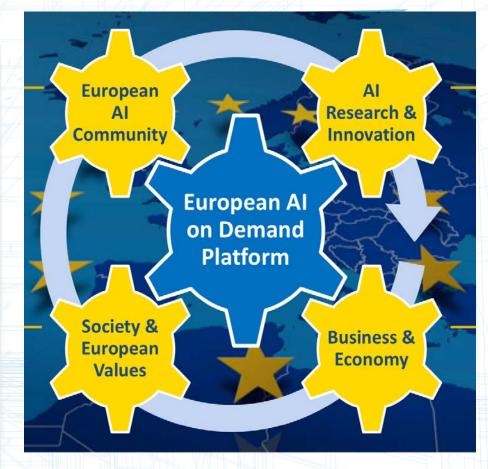
## EU Project »AI4EU« https://ai4eu.org/

- EU will strengthen the European AI landscape
- Project will start: 01.01.2019, duration 3 years
- Volume 20 Mio. Euro
- 80 Partners Lead: THALES (core partner Fraunhofer), CEA

#### Goals and Vision of AI4EU

- Create a leading AI European ecosystem and generate markets impacts and EU economic growth
- Mobilizing the entire European AI community to make AI promises real for the European Society and Economy
- Access to AI algorithms, data, and infrastructure

»The ultimate goal is a European AI-on-demand platform mobilising the European AI community...«





Create and develop AI4EU Platform to lower barriers to innovation with StarchERS AI

3 major releases of the AI4EU Platform deployed At least 12 AI-related services federated within the AI4EU Platform (

KPI 1.3: Interoperability to at least 5 other European AI and data platforms

## Create and grow a European-wide PROVIDERS community of users/producers for AI

>15 000 members of the AI4EU eco-system 14+ conference events with 10.000+ delegates and 100 weekly online meetups activating 5000 participants

#### Ensure the growth and sustainable operation of the **AI4EU Platform**

- Foundation, Ngo created
- 100 AI resources integrated

**Develop a comprehensive Strategic Research and Innovation Agenda (SRIA)** based on the AI community knowledge to boost European Excellence in

AI4EU ON

DEMAND

GOALS

PLATFORM

AISTING

**Promote European Values for** Ethical, Legal, Socio-Economic and Cultural Issues In AI

- Ethical AI4EU Observatory
- Value-based AI design methodology usable by Al industry produced
- Procedures and processes for verification and validation of AI application exist. Publications of best practice guidelines for respecting **FLSEC** values

Boost Technology Transfer of AI and Disseminate Economic VATION SUMMIT **Benefits to a Large User Base** 

100 prototypes systems using the platform 20 Products build with the platform and tested in market conditions

ISINESS

CHIMINTE

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20 Number of AI backed MVP tested in market conditions European Superstars supported raising, at least 4 M€ of private funds during the time frame of the project

> **Reinforce European excellence** and leading position worldwide in AI, through research and innovation efforts by filling important technology gaps

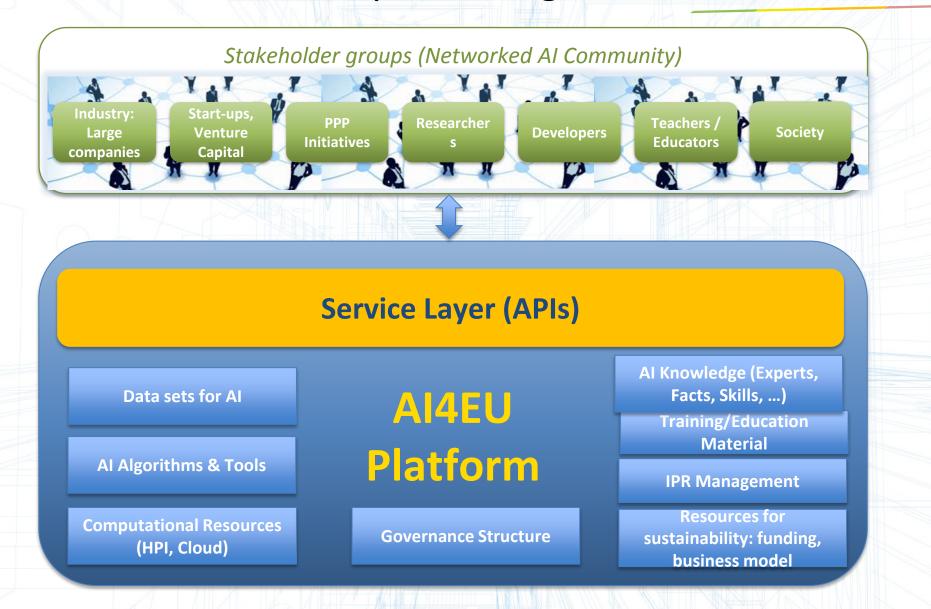
- Development of at least 5 new AI techniques that address specific aspects of human-centred AI
- At least 5 AI4EU tools derived from these techniques integrated in the AI4EU Platform
- 10 collaborative scientific publications

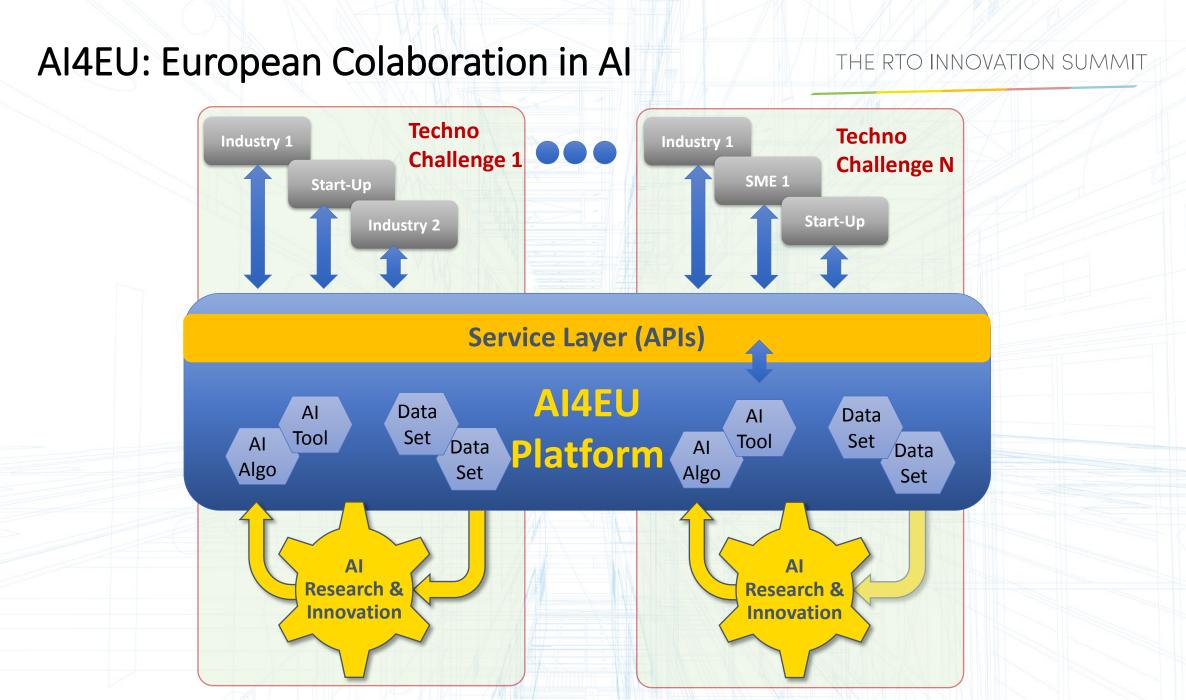
Demonstrate the effectiveness of the **AI4EU Platform and ecosystem** 

#### to reinforce industrial competitiveness

- 8 pilots achieved in key economics sectors for Europe
- 12 new pilots occurring in the course of the project

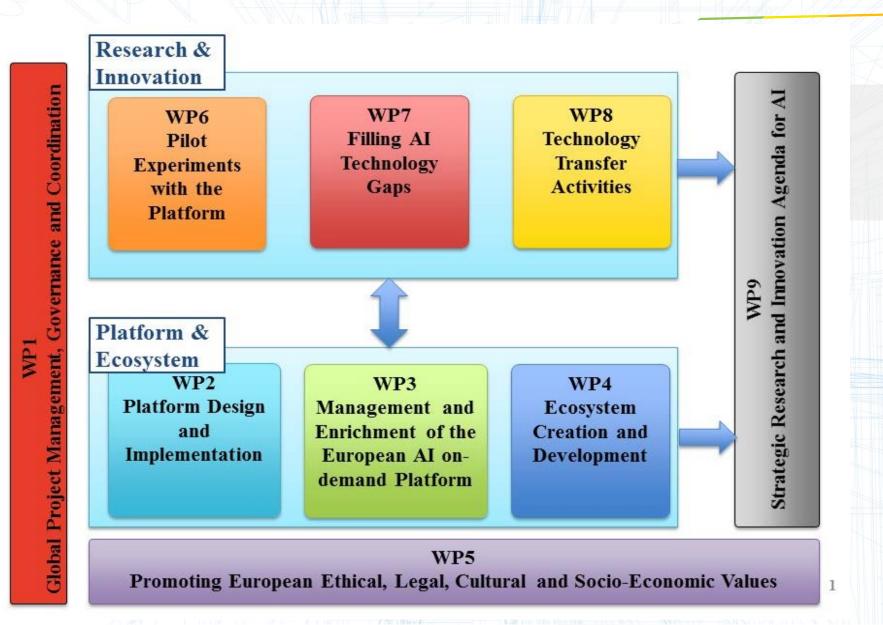
## The AI4EU Platform: Conceptual Design





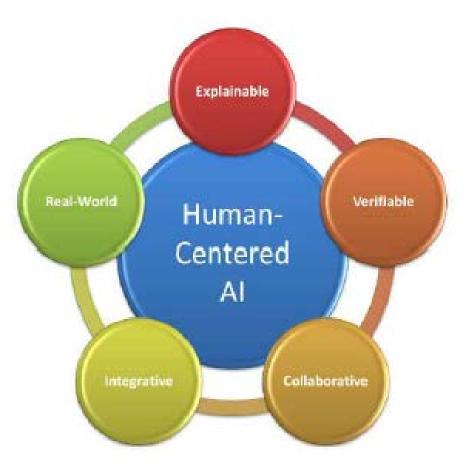


## AI4EU Work Packages





- Explainable AI to understand the reasons behind its recommendations or decisions
- Verifiable AI to guarantee fundamental properties (e.g. safety, privacy and security)
- Collaborative AI collaboration with humans, knowledge modelling
- Integrative AI new hybrid techniques, combining data-driven and knowledgedriven methods
- Physical AI interact with the physical world



## **AI4EU Next Steps**



- 10/11th of January 2019: Kick-Off Meeting in Barcelona
- First large-scale event in Amsterdam in February
- Please become member of this European AI community
- Please provide your AI resources using the AI4EU platform
- Many events on AI4EU events in Europe
- <u>https://ai4eu.org/</u> (initial web site, update soon)

## »DO MORE WITH AI & DATA«

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