Adra-e – Scope a Objectives
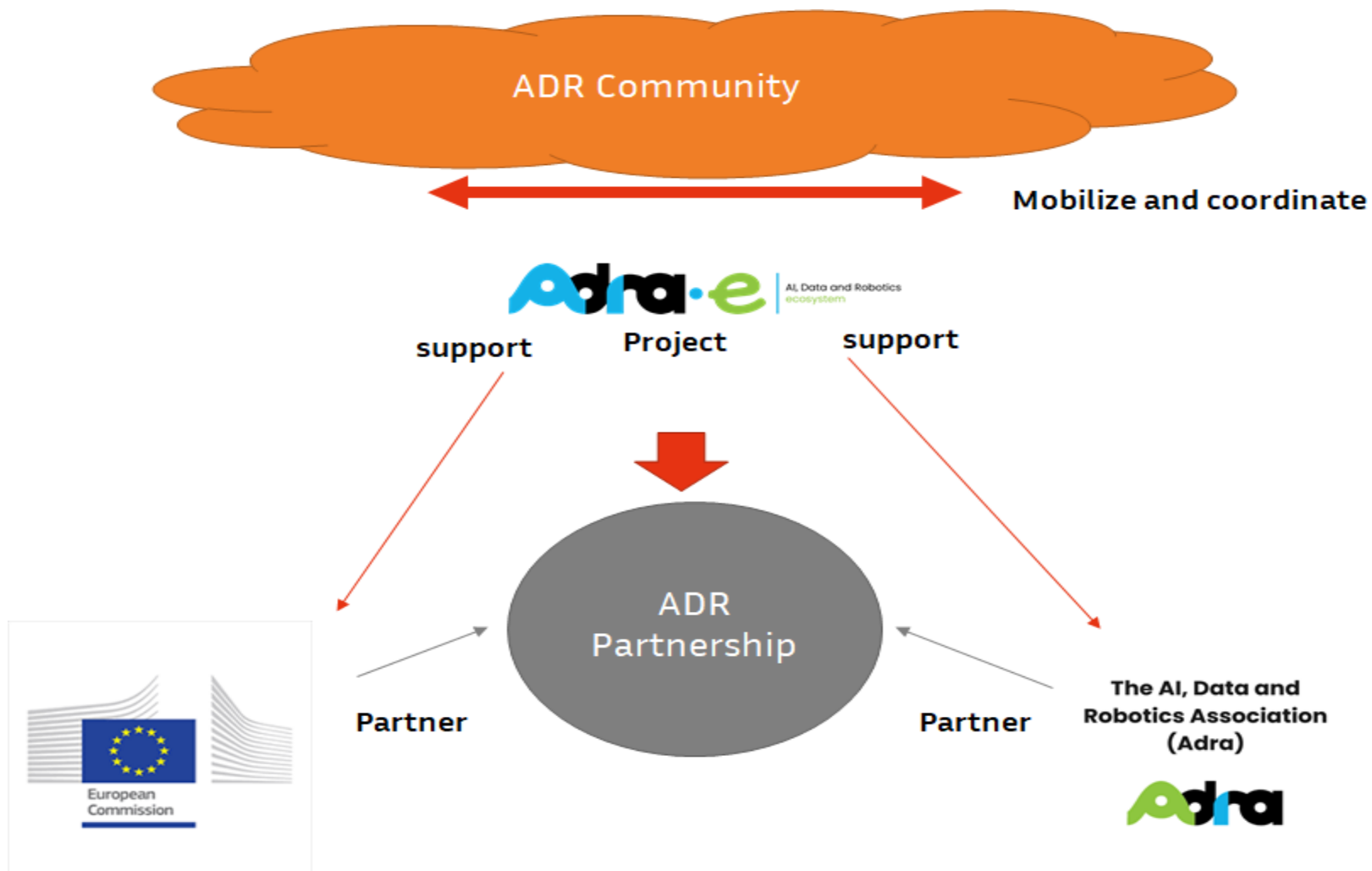
Adra-e withing the ADR eco-system

Adra-e supports the AI Data Robotics Partnership

started May 21., 2021

Objectives of the ADR partnership - MoU signed with the EC June 23, 2021:

- **Objective 1** - Secure **European sovereignty over AI, Data and Robotics** technologies and know-how

- **Objective 2** - Establish **European leadership in AI, Data and Robotics** technologies with high socio-economic and environmental impact

- **Objective 3** - Reinforce a **strong and global competitive position of Europe** in AI, Data and Robotics

About Adra-e

➤ Adra-e was set-up in close collaboration with Adra and subscribes to its strategy to achieving the objectives of the partnership

➤ Implementation and update of the SRIDA

➤ Creation of the conditions for an inclusive, sustainable, effective, multi-layered, and coherent European ADR ecosystem,

➤ leading to increased trust and adoption of ADR

➤ Raising awareness at all levels

➤ Private investments for the Partnership

➤ New members for ADRA

The consortium

The project started July 1st, 2022

Leading industry and research organisations with significant expertise in all three disciplines. All involved in Adra and the associations and partnerships shaping European research.

Balances :

❖AI, Data and Robotics

❖Academy and Industry

Adra-e objectives

Objective 1 **ADR community**	Support the implementation and update of the SRIDA Connecting communities
Objective 2 **LANDSCAPE MAPPING**	Map the ADR landscape and infrastructures. Deliver services and build connections between structured initiatives.
Objective 3 **AWARENESS**	Raise awareness of the acceptability and trustworthiness of ADR for citizens, businesses, public administrators and educators

Objective 4 **ADOPTION**	Increase innovation capacity and adoption of core ADR technology with applications
Objective 5 **STANDARDS**	Support the development of standards and regulations maintaining European technological sovereignty
Objective 6 **SUSTAINABILITY**	Stimulate the onboarding of new technologies to alleviate roadblocks via cross-European collaboration and support delivering a strong ADR partnership

Our agenda for the next 3 years

- Communication, dissemination and exploitation
- Web platform
- Adra-e sustainability with Adra

- State of the art standards and monitoring of standardisation activities
- Mapping of regulations and recommandations to update of the SRIDA
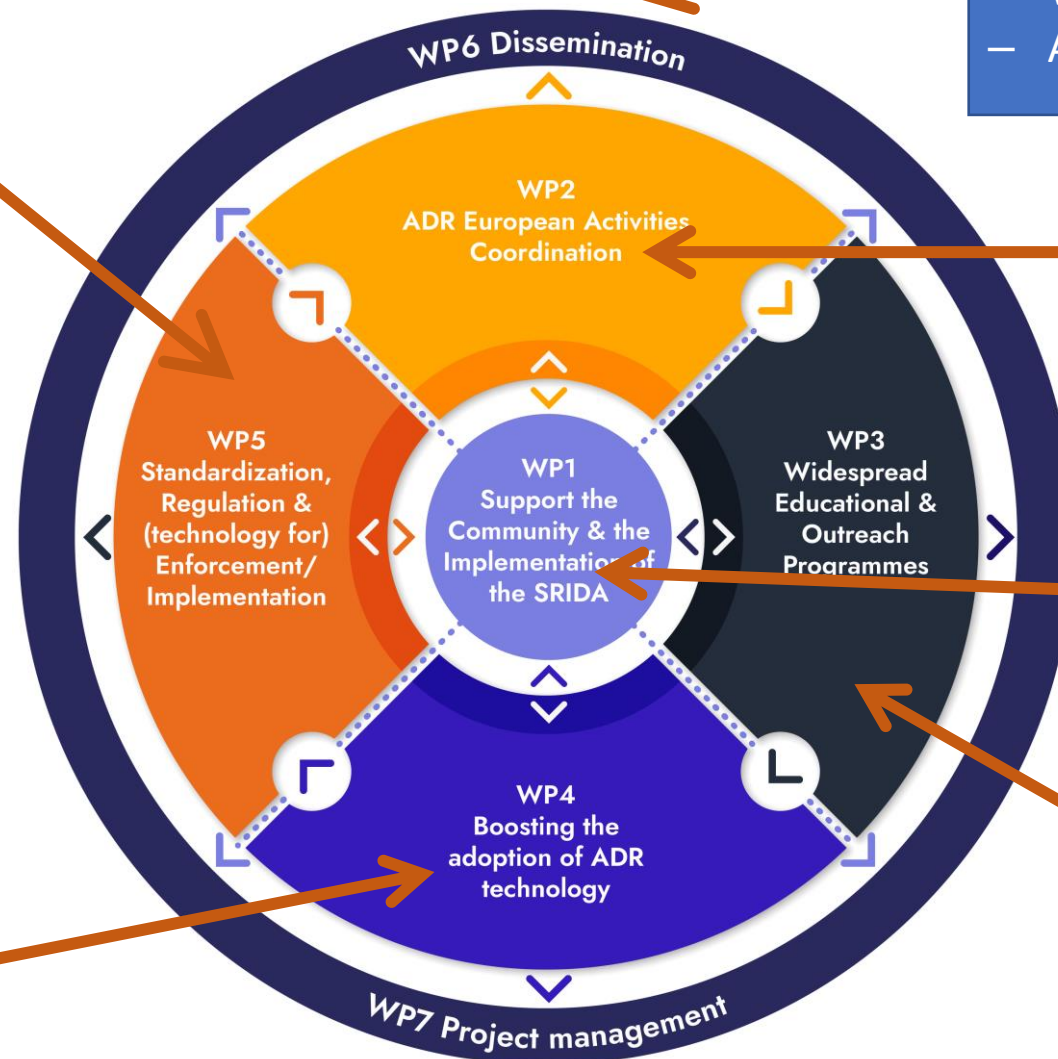
- Mapping of initiatives
- Awareness mechanism

- Support to SME strategy : regional ecosystem to boost innovation and reduce friction
- Increase of trustworthy AI in procurement
- Adoption of ADR technologies in MS/AC

- Connecting communities
- Implementation and update of the SRIDA

WP6 Dissemination

WP2
ADR European Activities
Coordination

WP5
Standardization,
Regulation &
(technology for)
Enforcement/
Implementation

WP1
Support the
Community & the
Implementation of
the SRIDA

WP3
Widespread
Educational &
Outreach
Programmes

WP4
Boosting the
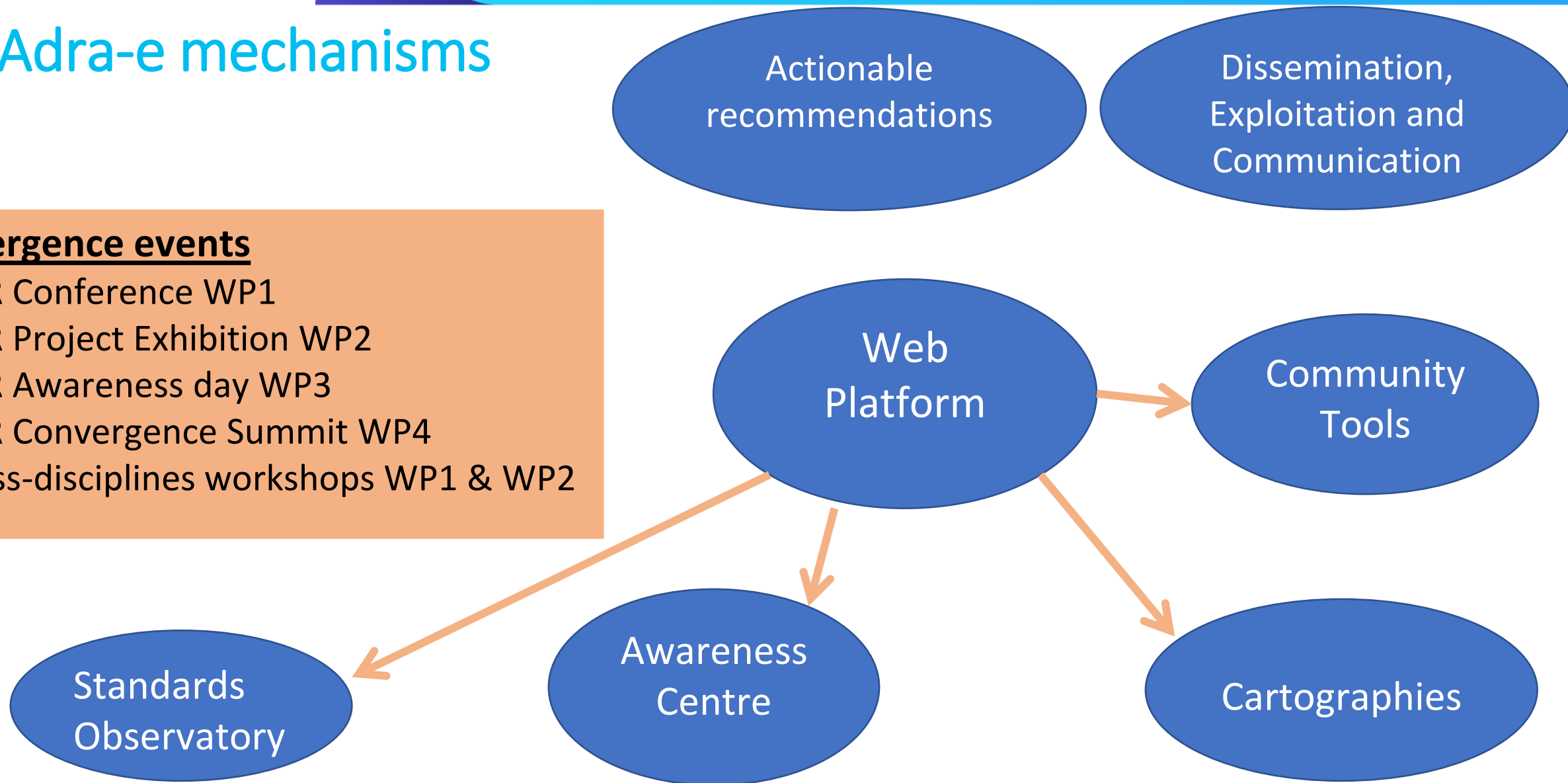adoption of ADR
technology

WP7 Project management

- Awareness Centre
- Analysis of externalities of acceptability and trustworthiness
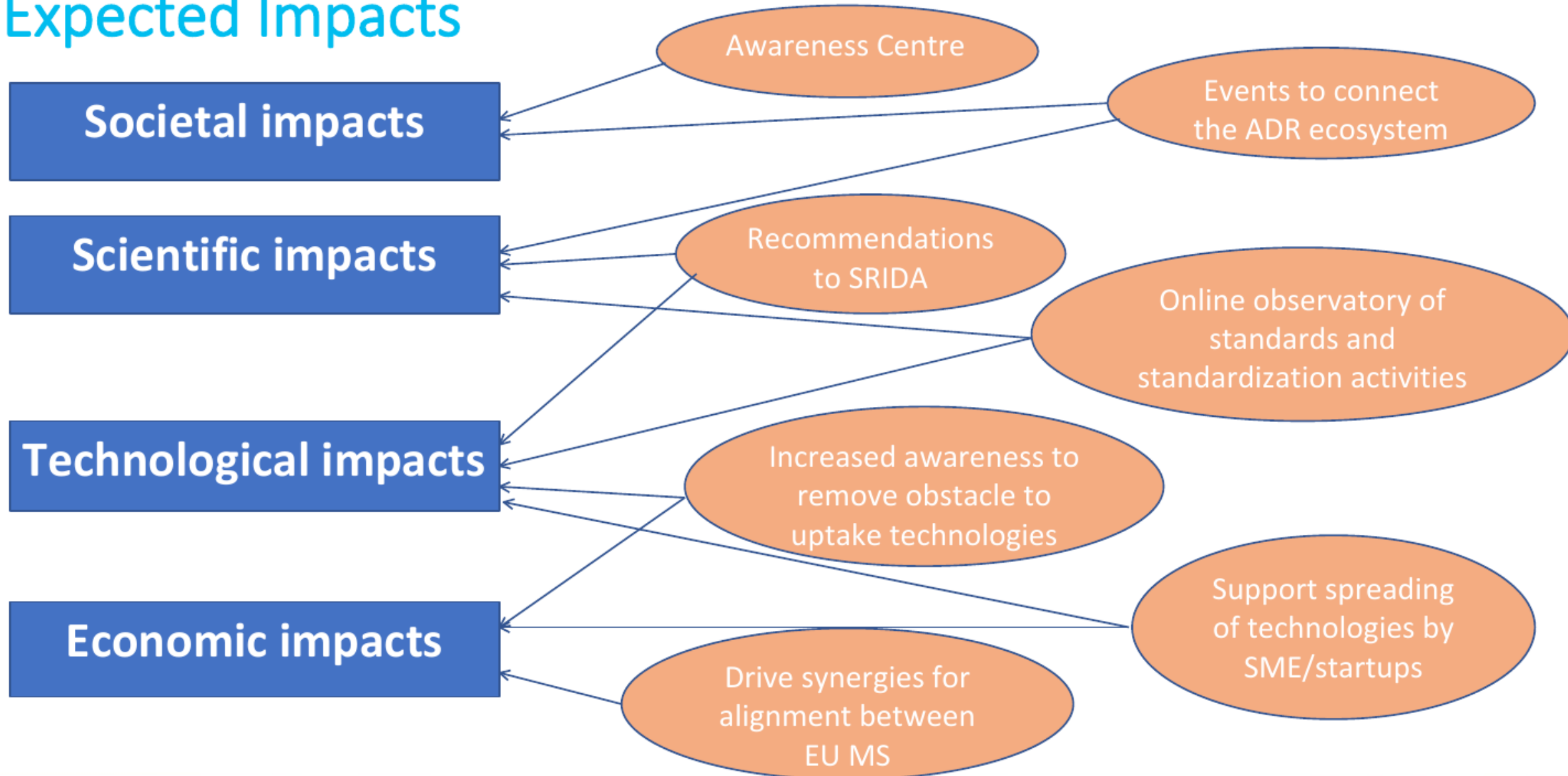- Development of an AI Trust Label

Adra-e mechanisms

Convergence events
- ADR Conference WP1
- ADR Project Exhibition WP2
- ADR Awareness day WP3
- ADR Convergence Summit WP4
- Cross-disciplines workshops WP1 & WP2

Actionable recommendations

Dissemination, Exploitation and Communication

Web Platform

Community Tools

Standards Observatory

Awareness Centre

Cartographies

Challenges for Adra-e

❖ Different levels of maturity of ADR communities
                         Need to reach a balance

❖ Cultural differences (e.g., grass roots vs top-down)
                         Need to respect these differences

❖ Gap between Industry / Research (especially in AI)
                         Need to find bridges

❖AI breadth: regional ecosystem <-> national <-> European <-> Global

Synergies with

- The AIOnDemand Platform
  - "Sister" CSA *AI4Europe*

- The European Commission, and the 42 new funded projects
  - Kick-off in October

- The founding associations
  - BDVA, CLAIRE, ELLIS, EurAI, euRobotics

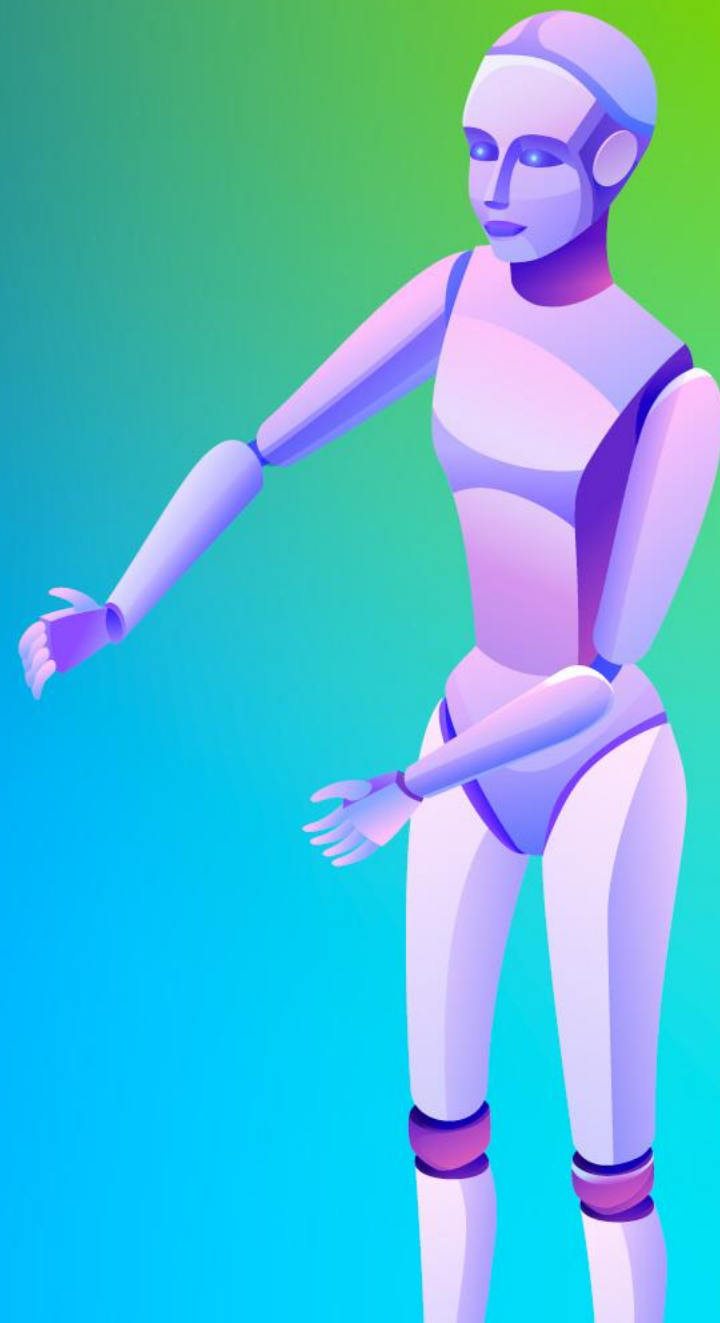- Other initiatives
  - To be identified in WP2

Thank you

On the right track to develop unity and trust

The AI, Data and Robotics Association (Adra)

started May 21., 2021

➢ A **unique platform of dialogue** bridging cultural differences between disciplines (ADR) and stakeholders (research/industry/policy makers)
➢ A **unique governance** structure were decisions can be made ensuring balance and representation of all the ADR ecosystem

Stronger involvement of stakeholders and cross-fertilization of communities is still needed

AI, Data and Robotics ecosystem

started July 1st, 2022

Where are we in achieving the objectives of the partnership ?

The good news

- European AI, Data, Robotics research expertise is world class

- BDVA, CLAIRE, ELLIS, EurAI and euRobotics have built European communities that are effective in their respective domains

- Europe is well positioned to set new standards in trustworthy and sustainable ADR, thanks, in part, to European diversity

- European trustworthy and sustainable ADR opens a path that other countries/continents may be willing to follow (similarly to GDPR)
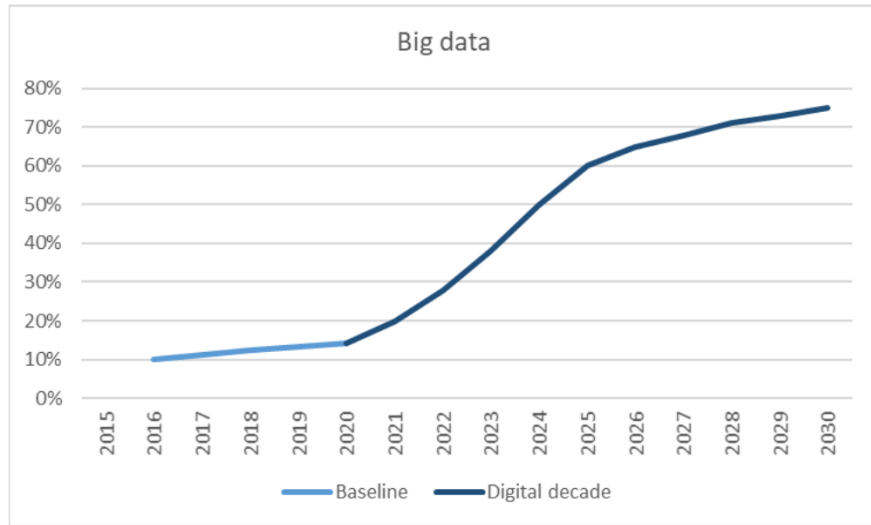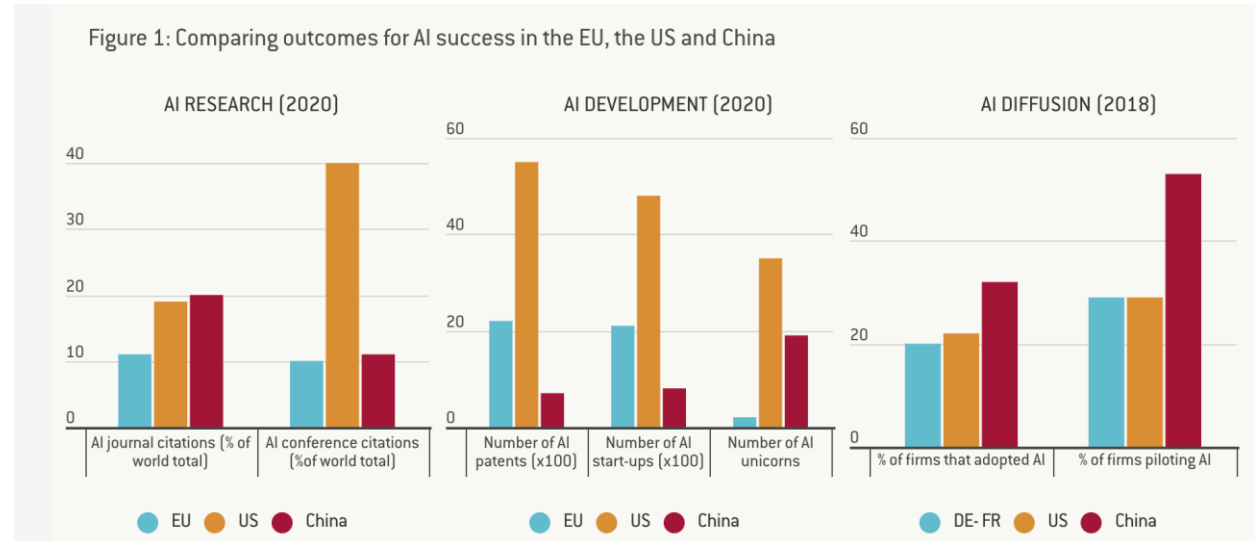
But we still have actions to take…

Figure 18: Percentage of European enterprises using big data (EU projection

Europe Path to the Digital Decade (Sept. 2021)   From bruegel.org (2021)

➢ EU ADR community is fragmented, while ADR requires a holistic approach
    ➢ see WP4, that includes all levels (thematic and geographical)
➢ Building on the existing, and **bringing some disruption** by creating links
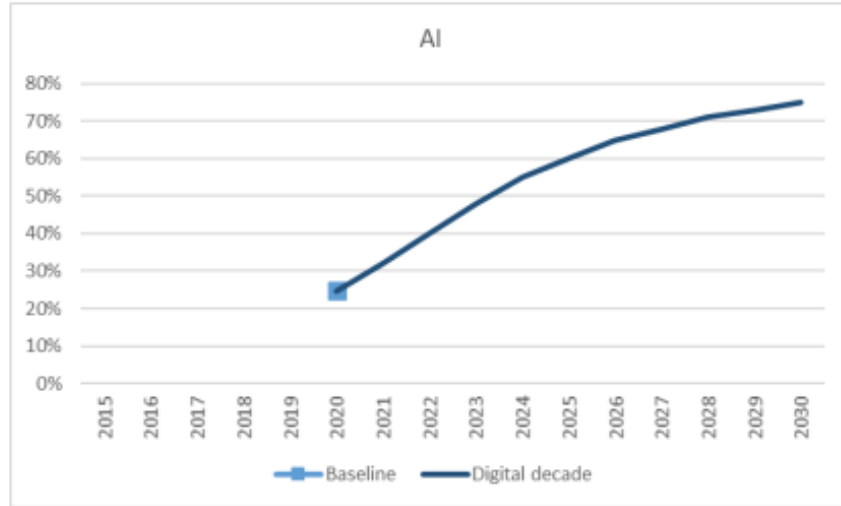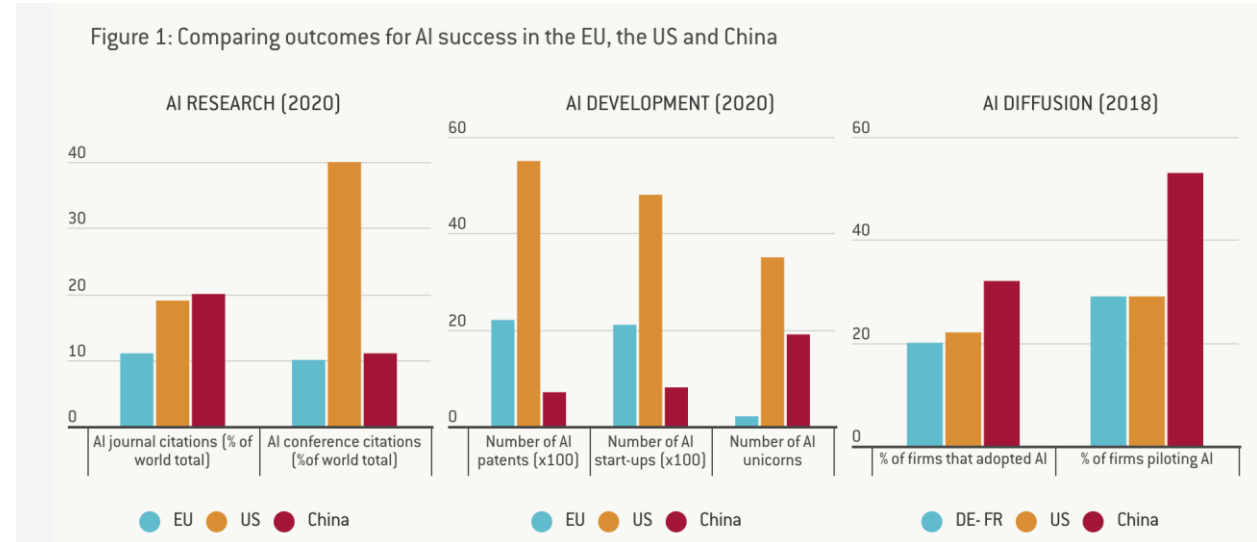   ➢ hybridization is key

But we still have actions to take…

Figure 20: Percentage of European enterprises using AI (EU projection

Europe Path to the Digital Decade (Sept. 2021)

Figure 1: Comparing outcomes for AI success in the EU, the US and China

From bruegel.org (2021)

➢ EU ADR community is fragmented, while ADR requires a holistic approach
  ➢ see WP4, that includes all levels (thematic and geographical)
➢ Building on the existing, and **bringing some disruption** by creating links
  ➢ hybridization is key

Key Performance Indicators

1. **100** European and national initiatives engaged (contact <u>500/1000</u> initiatives)

2. contact **100** regional or sectorial ecosystems to generate <u>10%</u> uptake technology + close cooperation with <u>27+</u> MS

3. **20** actions developed jointly after mapping <u>100</u> initiatives

4. **50** standards : <u>30%</u> of new standards analyzed, with international impact

5. **5000** Engagements = <u>>5000</u> actors (a least 10 sectors) engaged in SRIDA and other activities

6. Fostering private investments by **25%** for the partnership + bringing new members for ADRA

Strong collaboration in the consortium is needed to achieve our goals.