



Value of the RDA for Artificial Intelligence

Insights and future directions from the pilot workshops on the value of the RDA for Artificial Intelligence (AI) organised for the RDA Organisational Assembly and RDA Funders Forum members in September 2024. The workshops also featured three AI related RDA groups (FAIR4ML-IG, AIDV-WG, SDG-IG).

RATIONALE & OBJECTIVES

Artificial Intelligence (AI) is transforming sectors globally, driven by generative tools like ChatGPT. While AI sparks innovation, it also raises challenges like data quality, legal issues, and the digital divide. Recognizing this, the Research Data Alliance (RDA) hosted two pilot workshops in September 2024 for Organisational Assembly and Funders Forum members, and select RDA groups working on AI, accommodating diverse time zones and regions.

These workshops explored AI's opportunities and challenges, focusing on data, software, and computational needs to responsibly harness its transformative potential. This output marks one of the first steps in addressing key priorities for the RDA community and beyond within the field of Artificial Intelligence.

WORKSHOP CONTENT OVERVIEW

In September 2024, two workshops highlighted AI's transformative role across fields. Daniel S. Katz (USA), [ReSA](#) emphasized sustainable research software, Daniela Hensen (UK), [BBSRC-UKRI](#), addressed AI's impact on biosciences, Ville Tenhunen (Finland), [EGI foundation](#), showcased Europe's AI-on-Demand platform, and Reyna Jenkyns (Canada) stressed FAIR-aligned data. From Australia, Gnana K. Bharathy, [ARDC](#), presented the Advanced Analytics Framework for healthcare, Jeff Cumpston, [GRDC](#), explored AI in agronomy, and Siddeswara Guru, [TERN](#), discussed AI models using ecosystem data and indigenous knowledge. RDA group co-chair insights: [FAIR4ML-IG](#) explored FAIR principles for machine learning, [AIDV-WG](#) addressed ethical AI governance, and [SDG-IG](#) highlighted AI-readiness for SDG data.



Daniela Hensen



Daniel S. Katz



Ville Tenhunen



Reyna Jenkyns



Gnana K. Bharathy



Siddeswara Guru

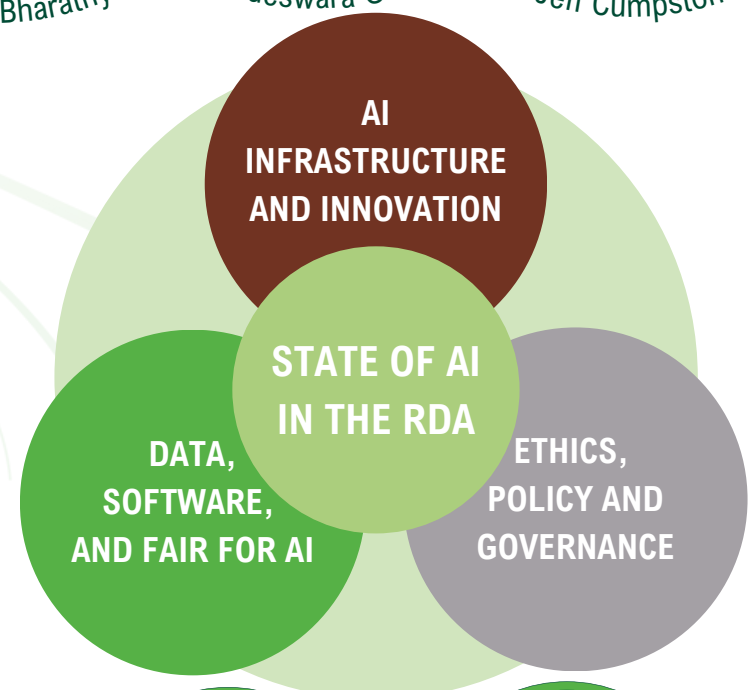


Jeff Cumpston

KEY INSIGHTS ON THE VALUE OF THE RDA FOR AI

Building on discussions, feedback, and follow-up surveys, the following key areas were identified, ranked by order of priority:

- **Enhancing Data Readiness:** Improving data quality, FAIRness, and fairness by addressing both technical standards and ethical guidelines.
- **Managing Sensitive Data and Building Trust:** Promoting privacy-enhancing technologies while fostering trust and awareness among stakeholders.
- **Sustaining AI Technical and People Infrastructures :** Developing scalable platforms and investing in skills and career pathways for long-term innovation.
- **Bridging Policy and Technical Implementation:** Facilitating collaboration to turn ethical guidelines and regulations into practical tools.



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Leyla Jael Castro, FAIR4ML-IG



Natalie Meyers, AIDV-WG



Anthony Juehne, SDG-IG



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Francis P. Crawley, AIDV-WG

FEEDBACK & FOLLOW-UP

Feedback from participants and subsequent feedback from Organisational Assembly (OA) and Funders Forum (FF) members who reviewed the workshop insights highlighted key priorities areas for AI within the RDA. The activities that most participants requested were related to discussing AI trends, and exchanging ideas on how researchers use AI. Additional feedback underscored the importance of showcasing RDA group outputs, exploring AI applications across disciplines, and engaging funders to drive FAIR, open AI through policies and targeted funding. A continued focus on institutional AI policy development and fostering trustworthy, equitable datasets for safe AI use was strongly highlighted.

NEXT STEPS & CALL TO ACTION IN 2025

- Extended Report – shared with RDA community (**Jan 2025**).
- Call to RDA global community on **actionable AI focus areas** of “Value of RDA for Artificial Intelligence” (**early 2025**).
- Set of activities-workshops/webinars, driven by RDA Secretariat in support of priority activities based on topics of interest, streamlined through two rounds of feedback (**from early 2025**).
- For more information and updates, visit the page- [RDA and Artificial Intelligence](#).