## DMPonline - Machine-actionable Plans

Diana Sisu, Digital Curation Centre, dmponline@dcc.ac.uk

## DMPonline Development Priorities

- Interoperability
- Automation
- Alignment with RDA DMP Common Standard
- Alignment with FAIR principles
- Facilitate Open Science
- Measuring against 10 principles for machine-actionable data management plans (maDMPs)


## Recent Releases

- Question Identifiers - enhancement to reporting capabilities for API VO
- Recently Released - Automated Completion of Project Details through integration with Research.fi API


## Forthcoming Releases Summer 2024

- Automated Completion of Project Details through integration with Dutch Research Council NWOpen API, Swedish Research Council Swecris API, UKRI GtR API
- APIs for Research Outputs - Integration with OpenAIRE Graph Search API
- Research Organisation Registry ID for organisation, Integration with Research Organisation Registry API
- Integration with RSpace, Electronic Lab Notebook, www.researchspace.com


## Machine-actionability Through Integration

- Standardised
- Structured
- Machine-readable
- Increased use of PIDs
- Controlled vocabularies
- A wider range of integrations
- Some integrations suggested by the DMPonline Community include: DataCite metadata standards FAIR Sharing API, ROCrate, Galaxy, Esploro (CRIS), Pure (CRIS), Symplectic Elements (CRIS), euroCRIS, Exlibris, Figshare, Sherpa Juliet, DataverseNL, DANS Data Stations, User authentication with ORCID number


## Machine-actionability Through Responsible AI

- Automatic meta-data extraction
- Automatic summarisation
- Machine-translation

How do Open, FAIR and RDM Intersect


Source: picture taken from What it means to be FAIR', by Sarah Jones https://www.slideshare.net/sjDCC/what-it-means-to-be-fair?

Ten Principles for Machine-actionable Data Management Plans


