

FAIR-R²L RUBRIC IP4OS

Making data FAIR, ready for AI use and Responsibly Licensed

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FAIR: The FAIR principles are key to today's research dissemination and exploitation ensuring **F**indability, **A**ccessibility, **I**nteroperability and **R**eusability. However FAIR focuses on the technical capabilities but does not ensure:

- 🔒 AI-safe usage rights (NC/ND restrictions)
- 🔒 Responsible handling of personal/sensitive data
- 🔒 Clear provenance for training and derivatives
- 🔒 Long-term integrity and repository stewardship



FAIR-R

Today's literature extends FAIR to FAIR-R adding AI-Readiness, recognising that FAIR ≠ AI-ready and that AI requires structured, validated, ethically safe data. FAIR-R emphasizes quality, provenance, representativeness, and legal clarity.

FAIR-R²L

IP4OS (developed by Miller International Knowledge) adds a further crucial dimension: datasets must also be Responsibly Licensed, ethically sound, in line with the PID strategy, sustainable and legally ready for reuse in AI and machine learning workflows.

ip4os.eu  



RESPONSIBLE LICENSING CONCEPT

REQUIRES

- ✔ Licence must be included with the dataset
- ✔ Machine-readable exposure (SPDX, schema.org)
- ✔ Needs to explicitly allow AI training & derivatives
- ✔ Avoid NC/ND for AI reuse
- ✔ Attribute rights clearly

ADDS

- ➕ Explicit dual-format licensing
- ➕ AI-specific suitability & documentation
- ➕ Ethics & GDPR lane
- ➕ Collection- vs item-level clarity
- ➕ PID lineage across splits and models
- ➕ Long-term stewardship commitment



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