

FAIR4EDTECH: Towards an Artifact Evaluation Track

1



Current situation:

- Research artifacts (software, data, models) often **lack recognition**.
- **Reproducibility and reusability** are not guaranteed in our community.
- Current review processes mainly focus on papers.
- Missing standards:

How should the quality and FAIRness of artifacts be assessed?



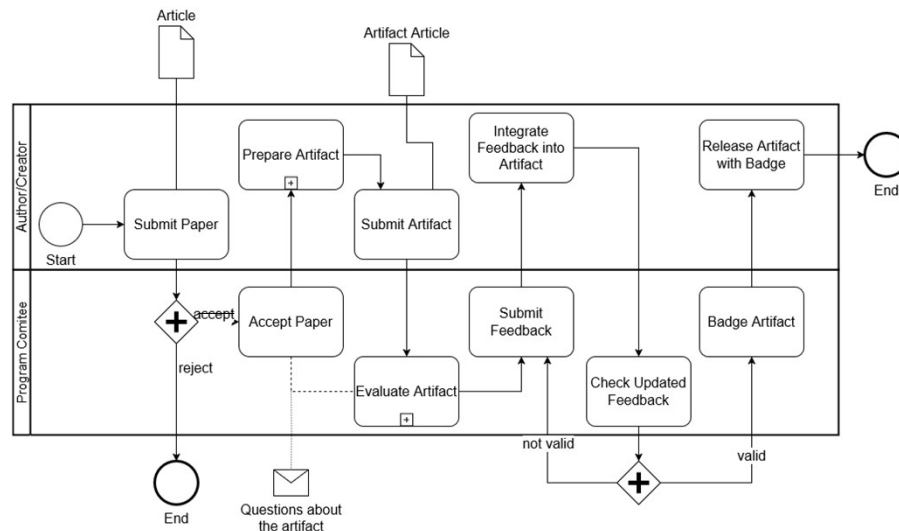
Idea:

- Introduce an **Artifact Evaluation (AE) Track** at DELFI building on prior Open Science initiatives and related efforts.
- Align with **FAIR principles** (Findable, Accessible, Interoperable, Reusable).
- Apply badges, review guidelines, registries, and rebuttal processes.
- Community-driven approach: develop **standards** together.



2

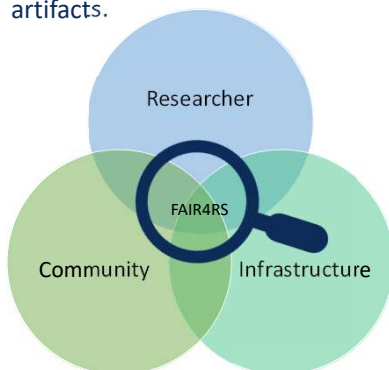
Proposed
Workflow for the
Artifact
Evaluation



3

Benefits:

- Greater visibility and recognition for artifacts.
- Promotes transparency, reproducibility, and sustainable research.
- Strengthens the Open Science culture in EdTech.
- Incentives for researchers → more high-quality artifacts.



FAIR Principles for Research Software in EdTech*

1. **F2 - Software is described with rich metadata.**
Solution: Using Computer Science Ontology [Sa18], Software Ontology [Ma14] and the didactic metadata [OR24].
2. **I1 - Software reads, writes and exchanges data in a way that meets domain-relevant community standards.**
Solution: Using a xAPI vocabulary provided by a xAPI registry [Eh20], [He22].
3. **R3 - Software meets domain-relevant community standards. & R1 - Software is described with a plurality of accurate and relevant attributes.**
Solution: Using central language specific registries and giving a set of predefined licences.



4

Join the discussion: How should we implement FAIR4EDTECH?

- Talk to us now ☺

- Use the QR code for feedback → **shared pad** →

- Become part of the **community** →



Collective decision: **Should we launch at the next DELFI?**