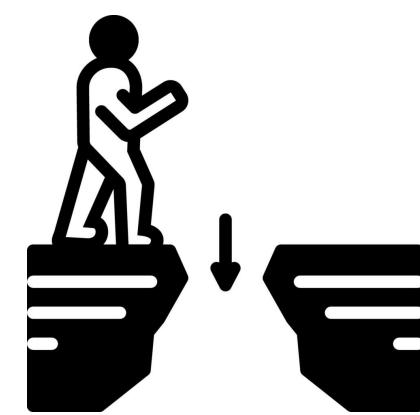
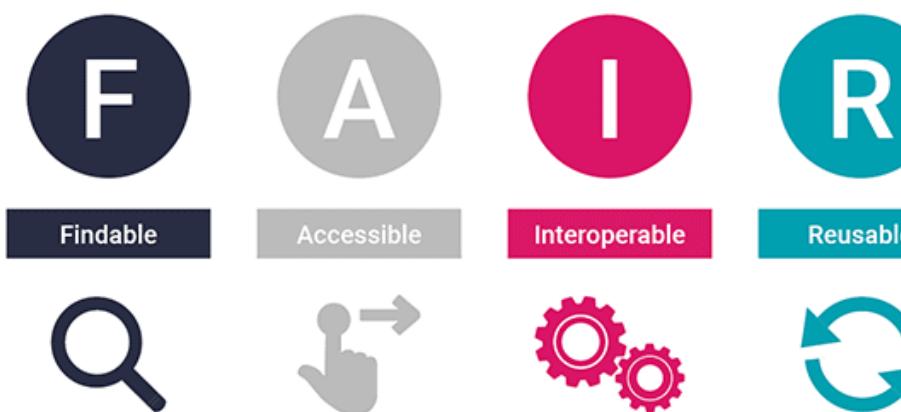


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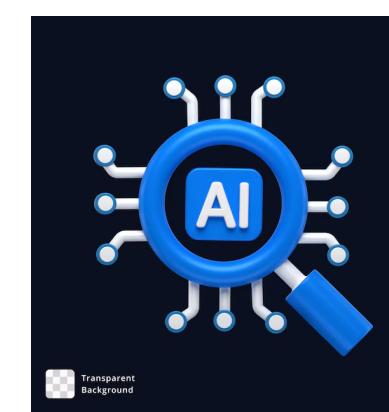
Phase 1: Map & Assess (Months 1–4)

- Understand GlueX (Pilot) Workflow (raw data -> Publication)
- Assess against FAIR Principles.
- Apply AI/ML data readiness metrics
 - Have to be NP/JLab specifics
 - Take inspiration from Commercial metrics.
 - Come up realistic metrics
- Identify the gaps and bottle necks



Phase 2: Prototype Solutions (Months 5–10)

- Access existing future proof solutions
- Build a prototype and place them in gaps and bottlenecks.
- Re-Assess again from from Phase 1
 - Newly defined metrics
 - Revise/Review the metrics



Phase 3: Create the Roadmap (Months 11–12)

- Summarize findings & solutions
- Deliverable: White paper (arXiv)
- Provide a reproducible template for AI/ML readiness
- This can act as document for JLab future investments plans



RECOMMENDATIONS

Comment made after approval from committee.

Comments:

We strongly suggest converging on a realistic and specific line of action and identifying the contributors from ENP and Data Science before starting this project, and to focus on making a succinct set of guidelines in the produced paper to prevent ambiguity and increase the probability that suggestions outlined are adopted.

- Took some time to find 2 person to join the project.
- **Casey Morean from Physics Division started from January. (25%)**
- **Dmitry from EIC project joined the project from Feb. (25%)**

 **Phase 1: Map & Assess**
(Months 1–4)

- Understand GlueX (Pilot) Workflow (raw data -> Publication)
- Assess against FAIR Principles.
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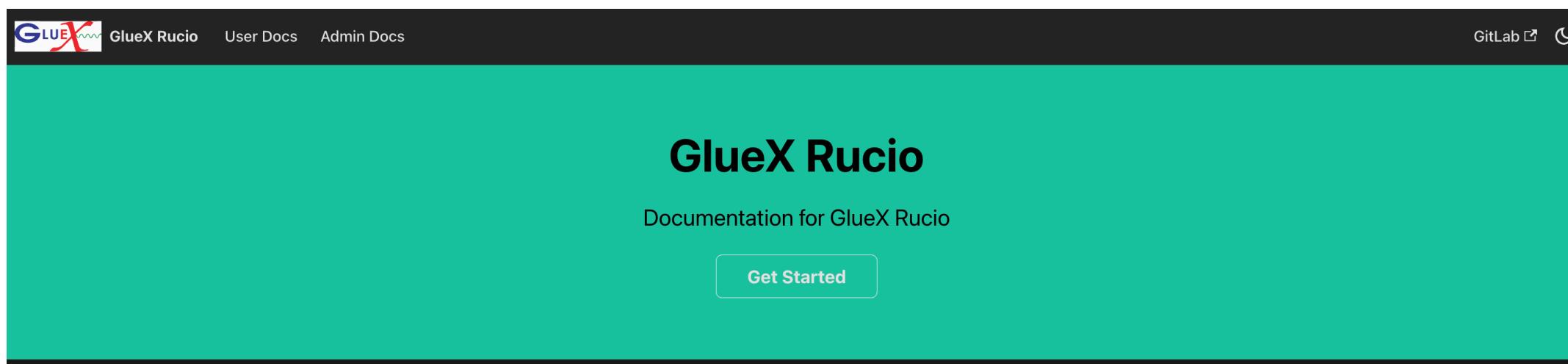
- **Understanding GlueX workflow is near completion**
- **F and A of FAIR is assessed.**
- **Gaps Have been identified already and is being tackled (next slide)**
- Dmitry has started looking into AI readiness metrics.

Phase 2: Prototype Solutions

(Months 5–10)

- Access existing future proof solutions
- Build a prototype and place them in gaps and bottlenecks.
- Re-Assess again from from Phase 1
 - Newly defined metrics
 - Revise/Review the metrics

- **Gaps from F and A of FAIR is already being tackled.**
- **In synergy with other project to make data Findable and Accessible.**
- **Being deployed in Production already and being tested as we speak.**



<https://pages.jlab.org/physdiv/jlab-rucio/jlab-rucio-doc/>

Spending

- Since 2 persons just joined, the spending will ramp up.

