

APRIL AI Hub Resources and Platforms

Give the tool you intend to use through APRIL AI Hub.

(Details in Call for Proposals)

Describe:

- Your prior experience with the resource, or
- Steps you will take to onboard and adopt them if you are a new user

Dataset and Model (if applicable)

Provide details about your data and models:

- **Estimated data size (TB):**
- **Data type (e.g., video, LiDAR, text, audio):**
- **Source (in-house or open source):**
- **Sensitivity:** Indicate whether data includes confidential or personal information and describe any restrictions (*data requiring NDA access is not permitted*)
- **Model scale:** Approximate number of parameters (if applicable)
- **Data storage location (geographic region):**

Introduction

Describe:

- The problem you are addressing
- The proposed solution
- Why the work is important
- What is novel about your approach
- Why this work is needed now

Methods

Describe your technical approach, including:

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- Algorithms and methodologies
- Programming languages and tools
- System architecture (if relevant)

How APRIL AI Hub resources will support your work

Expected Results

Provide:

- A **month-by-month timeline** with milestones
- Details on when and how APRIL AI Hub resources will be used
- Expected outputs (e.g., publications, conference submissions, open-source code, prototypes)
- Any dependencies on external funding or resources

Funding Resources Needed

Justify the resource costings you are requesting. Include:

- Estimated compute requirements per project stage
- Storage needs
- Any specialized hardware requirements

The maximum £100k award for the Sandpit Competition is based on 80% FEC. Requests exceeding limits may not be considered. Please detail any matched funding input from industrial partners.

Cloud Readiness *(complete only if requesting cloud resources)*

Describe your technical preparedness for using APRIL AI Hub infrastructure:

- Operating system and development environment *(cloud systems run on Ubuntu Linux)*
- Initial setup plan if resources are granted
- Experience with:

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- Data transfer and ingestion
- Dependency installation (e.g., pip, conda)
- Running code via command line
- Managing intermediate results and backups
- GPU acceleration frameworks (e.g., CUDA or equivalents)
- Containerization (e.g., Docker)

Note: Users are responsible for configuring and managing their own environments.

Appendices

Appendix A – Previous Collaboration with APRIL AI Hub (*optional, max 1 page*)

Describe prior interactions with APRIL AI Hub, if any:

- Nature of collaboration (e.g., funding, infrastructure access, programs)
- Names and contact details of collaborators
- Outcomes (e.g., publications, courses, deployments, users reached)

Appendix B – CV(s) (*required*)

Provide a CV for each investigator and collaborator (*maximum 1 page each*), highlighting relevant publications and experience.

Appendix C – Citations (*optional, max 1 page*)