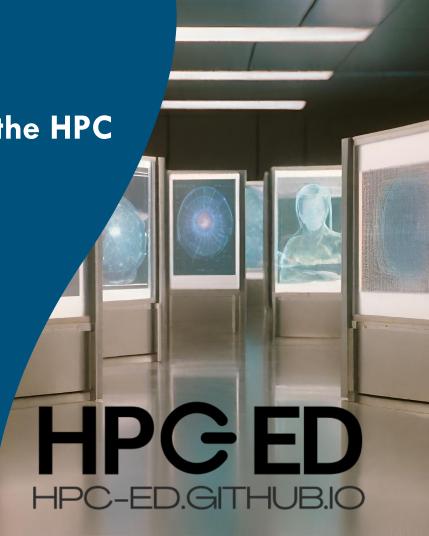
Publishing and Discovering

Cybertraining Materials Across the HPC

and Cl Research Communities

Infrastructure Discussion
HPC Training Ecosystem in Europe

CyberTraining: Pilot: HPC ED: Building a Federated Repository and Increasing Access through Cybertraining is supported by NSF grant OAC-2320977





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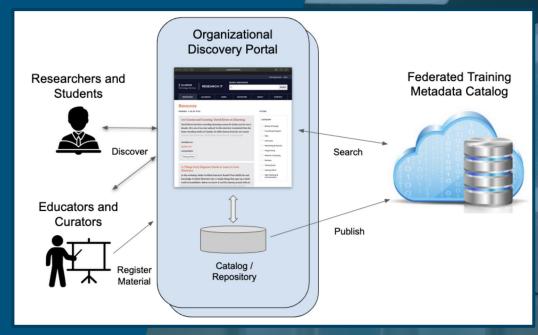


Charlie Dey TACC



# HPC-ED Project Overview

- 1 year pilot project (on a no cost extension)
- Project Goals:
  - Make existing HPC/CI Training and Education materials more findable
  - Create a federated catalog that can be easily searched
  - Facilitate community use of project tools and provide feedback
- Project site: <a href="https://hpc-ed.github.io/">https://hpc-ed.github.io/</a>
- Documentation:
   https://github.com/HPC-ED/HPC-ED.github.i
   o/wiki





# **HPC-ED Background & Activity**

Survey - Discovering and Sharing HPC Training Materials

BoF - PEARC23 - Community FAIR: Access to FAIR HPC Training Materials

Tutorial - PEARC24 - Publishing and Discovering Cybertraining Materials Across the HPC and CI Research Communities

Pilot - Cybertraining Award OAC 2320977

ACCESS Partnership - collaboration with ACCESS Support and Operations on sharing and discovery for the long tail, and the platform

Workshop - SC24 - Eleventh SC Workshop on Best Practices for HPC Training and Education



## Core Functions: Sharing & Discovery

#### Many organizations with local metadata

→ Share by publishing

#### Any organization needing discovery

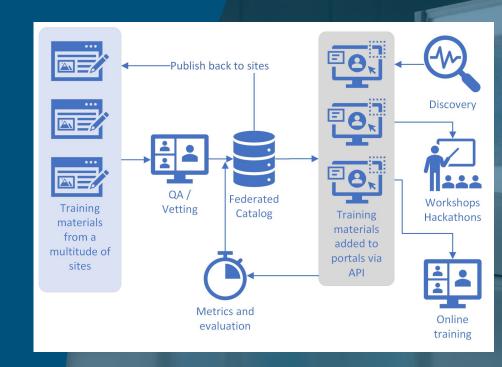
→ Search HPC-ED catalogs

#### Individuals with training but no metadata

→ Use a community registration portal

#### Individuals looking for training

→ Use a community discovery site



### Minimal Metadata

### Minimal to enable search and discovery

### Required Metadata

- Training: Title, URL, URL Type, Language, Cost, Provider
- Platform: Unique ID (Subject)

#### Recommended Metadata

- Abstract, Authors, Keywords
- Target Group, Expertise Level
- Learning Outcome
- Learning Resource Type
- License, Version Date
- Start Datetime, Duration
- Rating



https://github.com/HPC-ED/HPC-ED.github.io/wiki/Metadata-Description



- Project site: <a href="https://hpc-ed.github.io/">https://hpc-ed.github.io/</a>
- Guides -> Wiki: <a href="https://github.com/HPC-ED/HPC-ED.github.jo/wiki">https://github.com/HPC-ED/HPC-ED.github.jo/wiki</a>
  - Metadata: fields, vocabulary
  - Publishing: pre-requisites, formats, tools & methods
    - Command line, Python SDK
  - Discovery: tools & methods
    - Command line, Python SDK, Javascript SDK
  - Quickstart using the command line
- Globus Search: <a href="https://docs.globus.org/api/search/">https://docs.globus.org/api/search/</a>

