

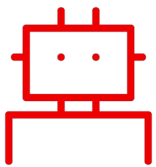
Operate First Data Science Community Meetup!

Episode 15: The Future of the Operate First Data
Science Community

June 28th, 2022

Michael Clifford

We're Becoming an Official Data Science Special Interest Group!



Data Science



Community



Operations



Telemetry

**OPERATE
FIRST>>**

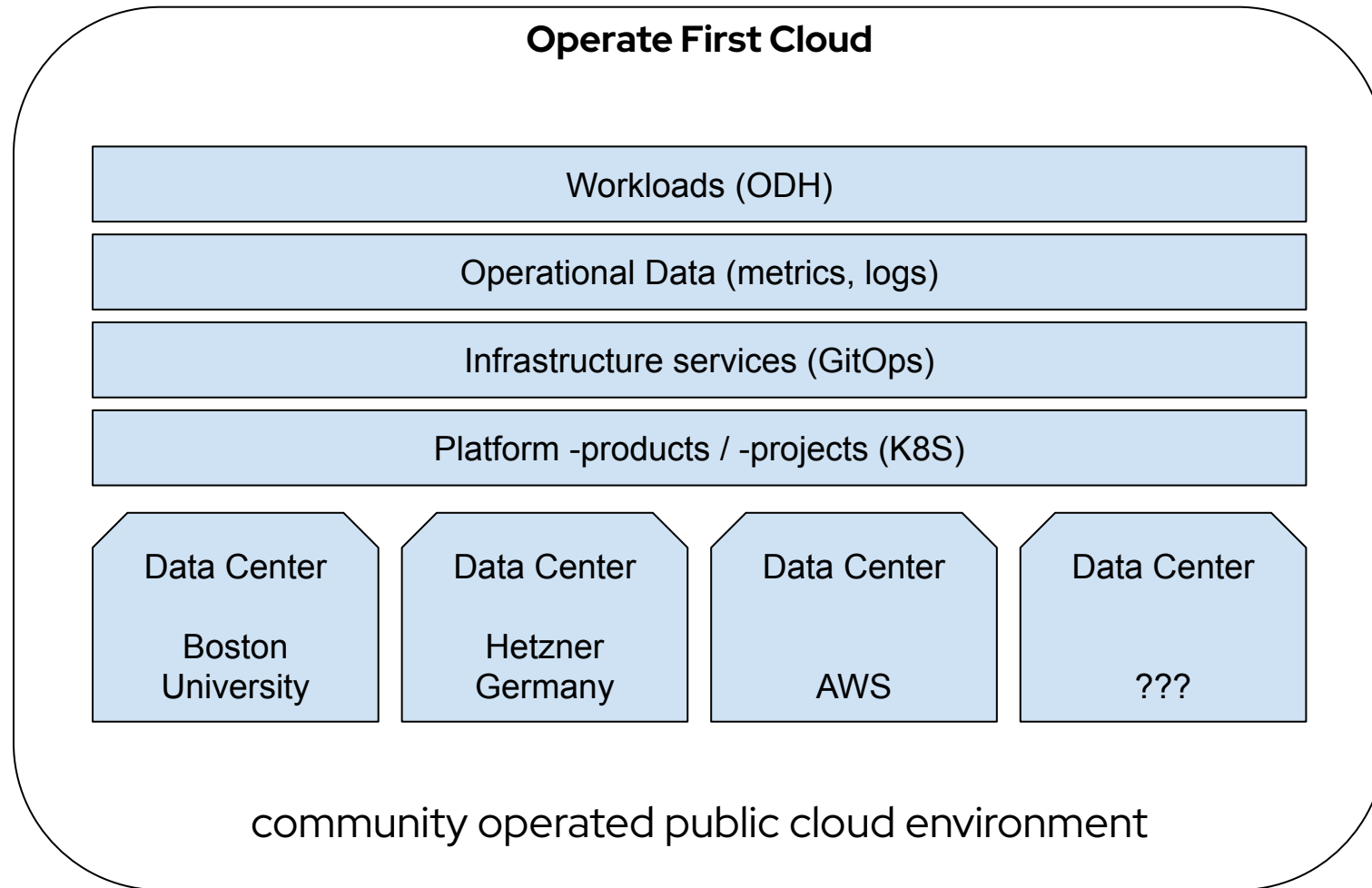
DATA SCIENCE SIG

Building an all-Open Source
community cloud to learn and make
things* better

What is Operate First?

Operate First is a project to define, build, and improve the open source hybrid cloud through learning and developing code and practices in an open-production community cloud.

By incorporating operational experience back into open source software development, Operate First extends development to include operating, testing, and proving code in a production environment.

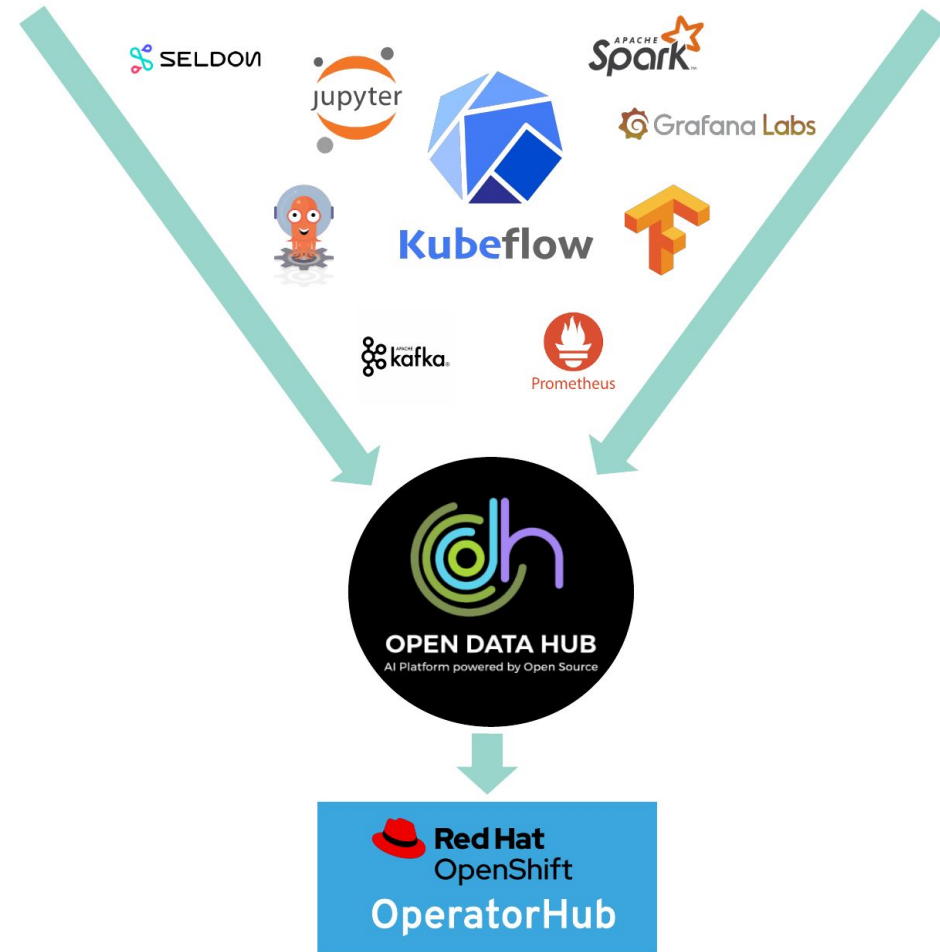


<https://github.com/operate-first>

Open Data Hub



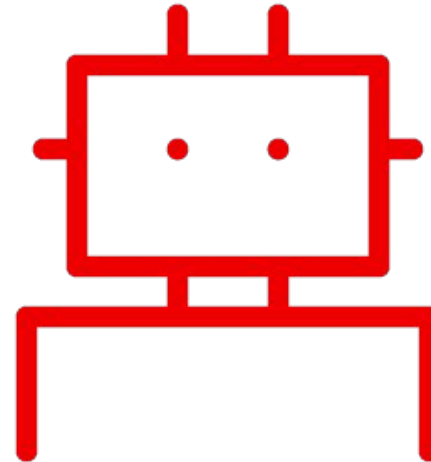
<https://opendatahub.io/>



Where is the Data Science?



Operate First

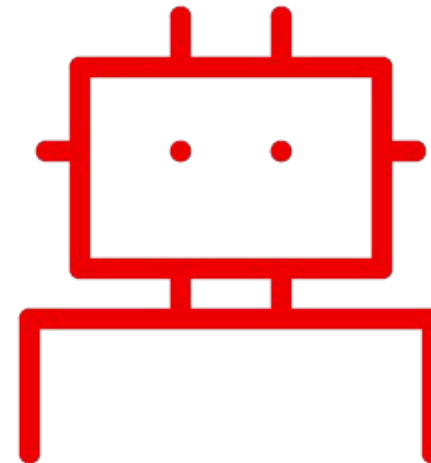


Data Science

What kind of Data Science?

Current Projects

- AI4CI
- Project Thoth
- OS-Climate
- AI4CloudOps
- Meteor
- ML @ the EDGE
- ...

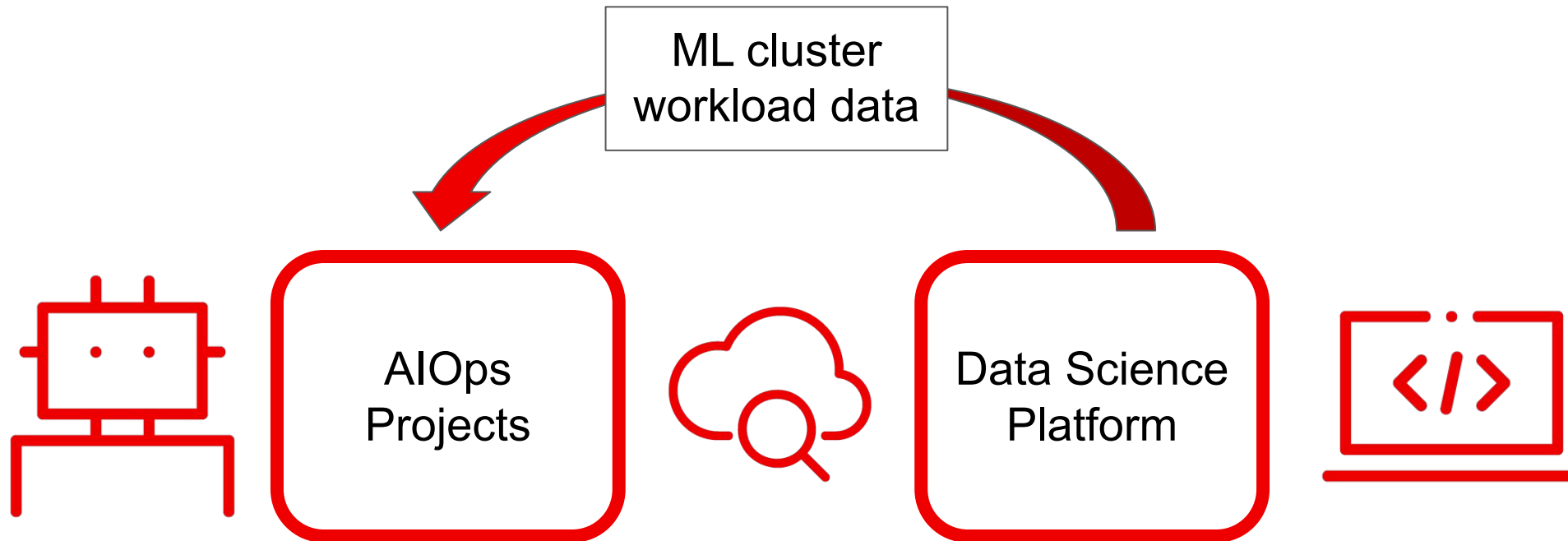


Data Science

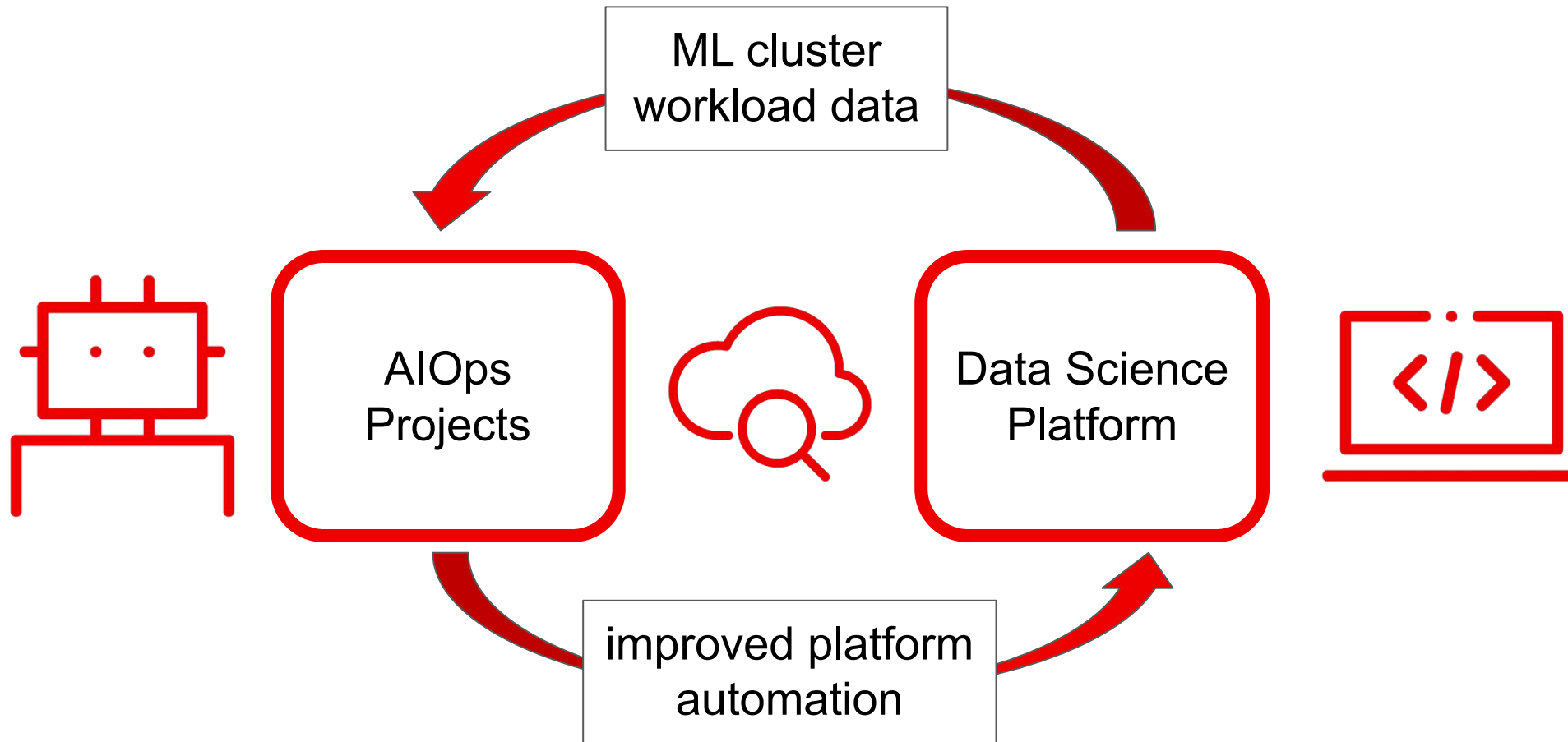
AIOps and Cloud Native Best Practices



AIOps and Cloud Native Best Practices



AIOps and Cloud Native Best Practices



The SIG Charter

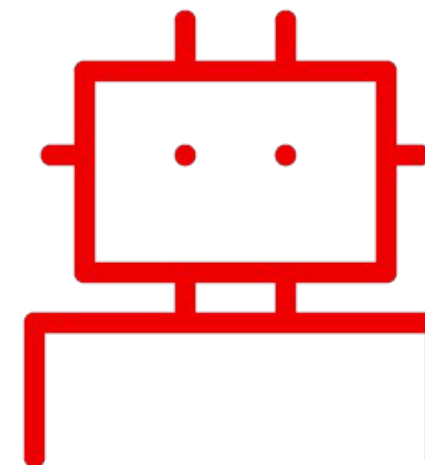
<https://github.com/operate-first/community/blob/main/sig-data-science/charter.md>

Charter

SIG Scope

The Data Science SIG is responsible for all data science and machine learning related initiatives within the Operate First community. However, this SIG's primary focus is to serve the following 3 main objectives:

- Use Operate First as the go-to platform for incubating Open Source Cloud Native Data Science projects and defining best practices for developing and operating such Open Source Cloud Native Data Science Projects.
- Leverage the public and openly available operations data generated by the Operate First platform to evaluate and develop AIOps tools to support the operation and the operators of the platform.
- Serve as ambassadors to the wider Open Source community through outreach initiatives (blogs, talks, etc.) and provide support for onboarding new Open Source Data Science projects on to the Operate First platform.

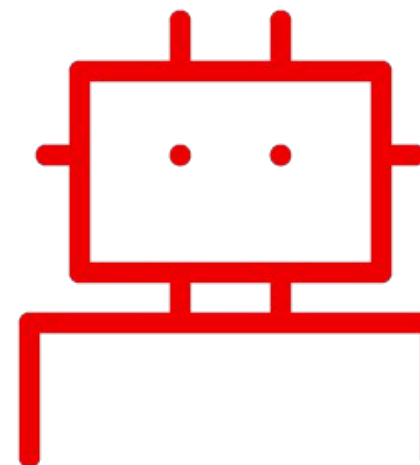


Data Science

Charter

In Scope : Code, Binaries and Services

- Develop and incubate new AI Applications and Services
- Leverage the data produced by the Operate First community cluster to provide AIOps tools and analyses to the community.
- Curate and maintain data sets generated by the Operate First platform.
- Experiment with and evaluate cloud native data science development tools and methods.
- Publish and promote videos, blogs, talks, and tutorials on the tools, projects and best practices developed by the Data Science SIG subprojects.

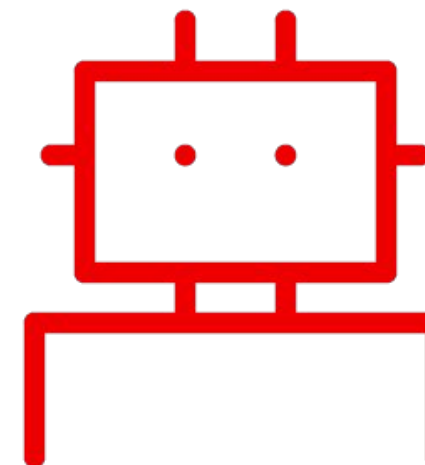


Data Science

Charter

In Scope: Cross-functional and Externally Facing Processes

- Provide guidance to external groups with onboarding and development of data science work on any of the Operate First managed clusters.
- Foster a two-way relationship between Operate First and the wider open source data science community..
- Work with other Operate First SIG's to ensure data collection and reporting is ongoing.

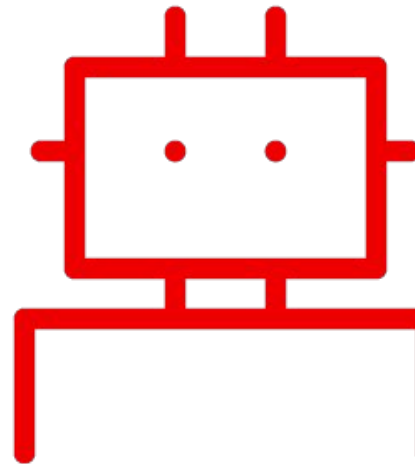


Data Science

Charter

Out of Scope

- Not responsible for the installation and availability of data science services maintained by the Operate First Community cloud.
- Not responsible for any code, notebooks or projects outside of the Operate First community, and without an associated subproject or working group initiated by this SIG.
- Not responsible for any request for support on any non-Open Source data or code.



Data Science

So who is the SIG?!

You ARE!

Looking for participation,

- **Members**
- **Co-Chairs**

If you would like to be involved with running the SIG please let me know.

mcliffor@redhat.com

Regular monthly meeting forthcoming!



Any Questions?

THANKS! :)