RDM-066
Active Research Data Management Tools: Radiam

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UNIVERSITY OF SASKATCHEWAN

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ENGAGING THE WORLD
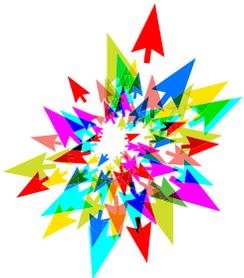
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Motivation

- Data management for finalized datasets ready for publication is getting easier
  - Many repository solutions, including FRDR

- Data management for data that is being actively collected, processed, and analyzed is equally important

- Increasingly, large research projects are carried out at a scale where placing all the data in one storage device or one institution is infeasible

Radiam: Data Concierge

▶ Radiam serves as a centralized searchable index for the metadata and distributed data of a research project during active data collection and processing

▶ Concierge: knows what services (data) are out there, and helps a client find and use the services (data) they are looking for

▶ Radiam knows:

- ▶ where the data is located
- ▶ what metadata is associated with that data
- ▶ how to access the data and can help a researcher move it
- ▶ how to keep the index of metadata up to date

System Diagram

Radiam System Architecture
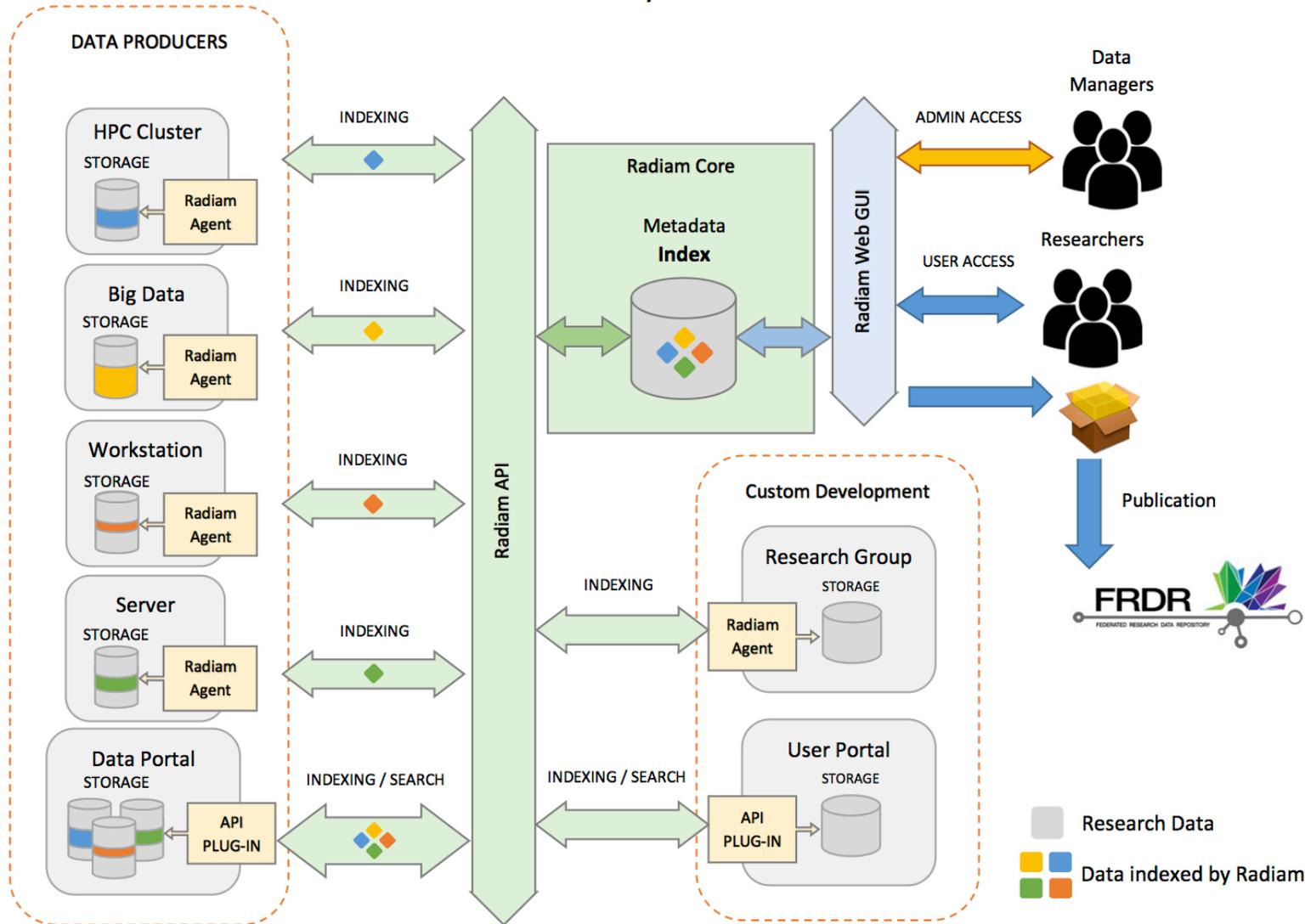
Radiam plays FAIR within a NDSF

▶ **Findable** and **Accessible**: enables Canadian researchers within a distributed research project to find and access active research data across the project, regardless of where the data is stored

▶ **Interoperable**: Open source software which integrates with storage and compute at Canadian institutions and organizations (e.g. Compute Canada) and common platforms (e.g. HubZero, Open Science Framework)

▶ **Reusable**: Radiam facilitates the preparation and publication of datasets and their metadata (once finalized) into research data repositories (e.g. FRDR)

Questions?

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