# Research Portal for Secure Data Discovery, Access and Collaboration

## **CANARIE RDM Workshop & NDSF Summit**

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## Brain-CODE



#### **External Restricted Data**







### **Portal**

**Data Capture Resources** 

























Subject Registry











LabKey









Admin Dashboards















API







External Linkage





















Apache Thrift ™



Security and Privacy



ID, Permissions & **Ethics Management** 



**Data Marshalling** and Linkage



Provenance





# Project overview

 We work within a growing ecosystem of research teams and technology partners

- These research teams need data portals to
  - Publish content
  - Manage users
  - Contribute and access data
  - Share and collaborate





# Project overview

We will leverage the experience of our collaborators











and integrate existing software tools to develop a portal framework that abstracts complexity and that is easy to use and adapt





# Planned functionality and supporting tools











## FAIR intersections

## • Findable, Accessible

- immediate goals of this project
- consistent ways to discover and access data across research projects
- Interoperable, Reusable
  - secondary goals
  - supported by our parallel efforts in CONP, INCF, GA4GH
    - standardization
      - DATS, BIDS, W3C PROV ...
    - federation
    - open data when applicable
    - data sharing frameworks





International Neuroinformatics Coordinating Facility







## NDSF intersections

We hope to work with this vibrant RDM/RDC community to

help address gaps/opportunities within Canada's digital research infrastructure

domain-specific repositories

enriching (meta)data discovery

data deposit and curation

data access and analytics

•••

learn from and contribute to an emerging National Digital Services Framework





# Team & acknowledgements

#### Indoc Research



**Apurv Samant** Frontend Developer

Mojib Javadi

Director, Program Dev



**Abraham Prince** Web Developer



**Salim Haniff DevOps Lead** 



**Ken Evans President & CEO** 



Sara Latour **Data Mgmt Specialist** 

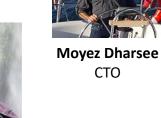




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#### Collaborators and partners













