# Pilot: building a research data ecosystem

# Indoc Research

**We believe in creating sustainable data ecosystems that deepen our understanding of human health and disease**

# How do you create a sustainable ecosystem?

It’s hard and takes time

Government and academic funding isn’t particularly well-suited for it, but what if that was all you could use?

The approach you take is to build incrementally towards the bigger and long-term vision

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# Indoc Ecosystem Development Model

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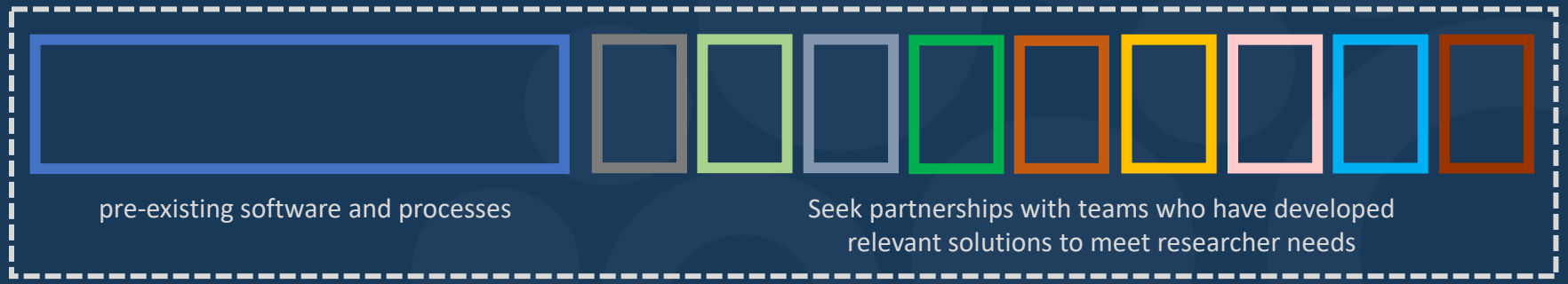


Useful software can be federated into the common platform

ecosystem

Common platform meets requirements, while enabling data sharing across research initiatives

Baycrest
Rotman Research Institute
ONTARIO NEURODEGENERATIVE DISEASE RESEARCH INITIATIVE
CONP PCNO
Brain-CODE
CHARITÉ
UNIVERSITÄTSMEDIZIN BERLIN
canarie
DID depression inventory development
TDRA
UNIVERSITY OF TORONTO
McGill University Health Centre
University of Ottawa Institute of Mental Health Research
POND
camh
Centre for Addiction and Mental Health
Queen's University
St. Joseph's Healthcare Hamilton
IC/ES
STRATEGY FOR PATIENT-ORIENTED RESEARCH
Primary and Integrated Health Care Innovations Network
OHDP ONTARIO HEALTH DATA PLATFORM COVID-19
MITO2i
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RDM2

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PRAXIS
Spinal Cord Institute

ONTARIO NEURODEGENERATIVE DISEASE RESEARCH INITIATIVE

RDM1

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PERFCT

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CAN-BIND Canadian Biomarker Integration Network in Depression

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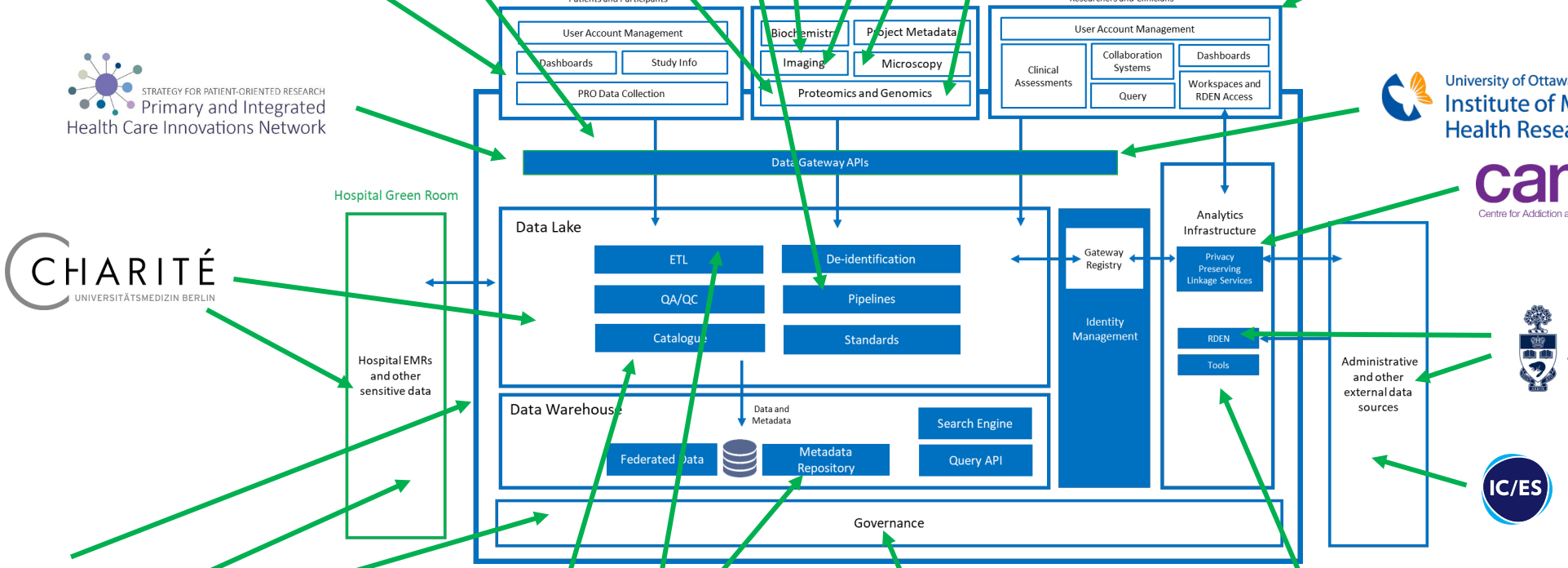

# Contributing projects

| Project | Website | Contribution to Pilot |
|---|---|---|
| OHDP ONTARIO HEALTH DATA PLATFORM COVID-19 | ohdp.ca | • Secure safe haven analytics environment, enabling collaborative analysis of PHI<br>• Platform privacy and security policies and procedures to support research using PHI |
| VRE Virtual Research Environment | bihealth.org/en/translation/network/digital-medicine/bihcharite-virtual-research-environment/ | • Hospital-oriented data platform<br>• GDPR readiness |
| Brain-CODE | braincode.ca | • Data capture and primary data management systems and capabilities<br>• Multi-modal data federation<br>• Data governance and associated policies related to consented research data<br>• Data release and sharing mechanisms |
| HDC HealthDataCloud; Human Brain Project | healthdatacloud.eu | • Secure data architecture and environment<br>• Enables pan-European sensitive data sharing across 15 research institutions and organizations |
| VHG | science.canarie.ca/res/189 | • Patient and study participant engagement interface<br>• Integration with non-traditional data sources |

# Partner with us

Pilot's code is available under AGPL and can be found at **github.com/PilotDataPlatform/**

If you've got a research data need, we'd love to explore a collaboration – reach out to us at **info@indocresearch.org**

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