



Working together to achieve global genomic data sharing

Peter Goodhand

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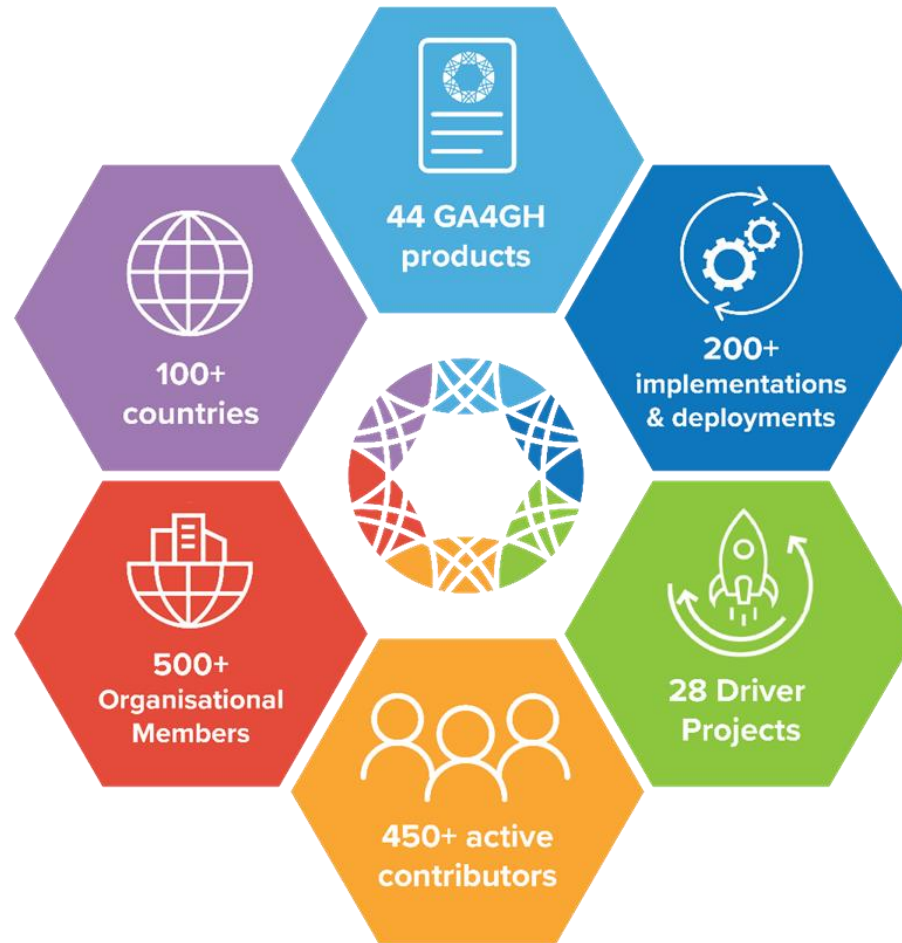
Regional Meeting
**Human Genomics for Health:
Enhancing the Impact of Effective Research**

THE GA4GH MISSION...

The Global Alliance for Genomics and Health aims to accelerate progress in human health by establishing a shared global approach to responsible, broad, and democratised use of genomic and related health data.



GA4GH ecosystem and outputs



GA4GH: A decade of collaboration

Core Funders



Host Institutions



Supporting Funders



Assigned Expert Funders/Employers



Driver Projects

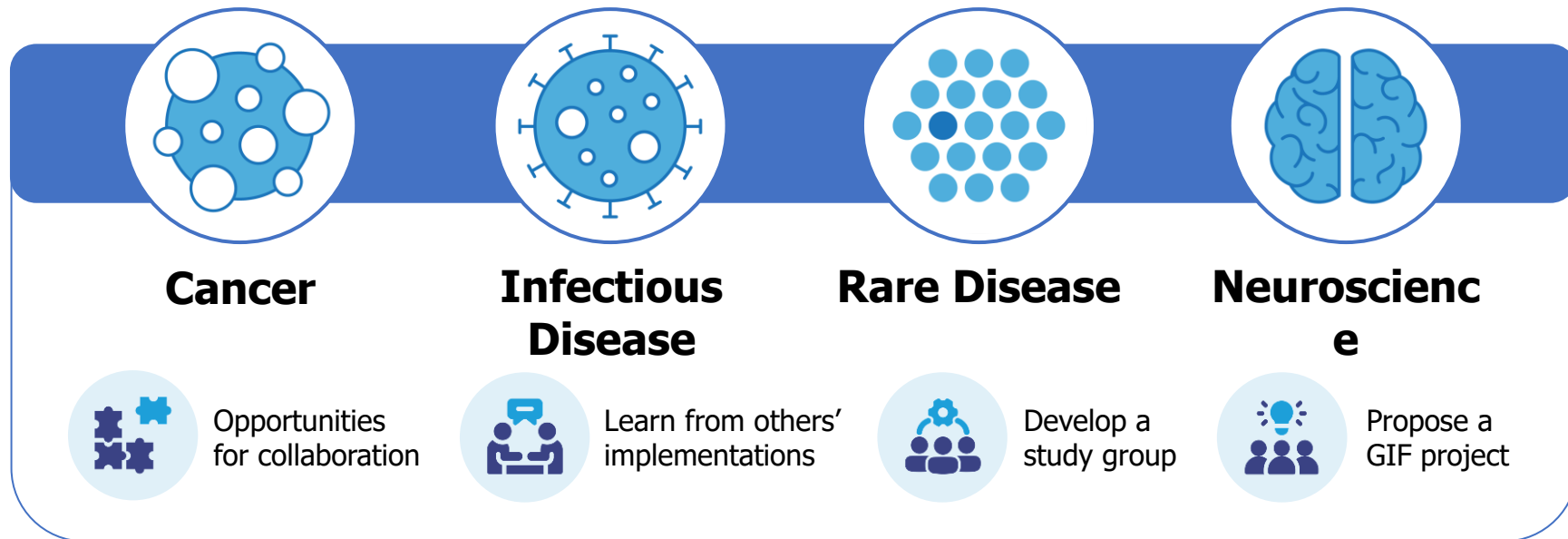


Strategic relationships



GA4GH Communities of Interest

Domain-specific groups promoting global cooperation, data sharing and collaborative research through identifying the need for new standards, and implementing existing GA4GH standards.



National Initiatives Forum members

Founding members:



Pan Canadian
Genomics Library



عضو في مؤسسة قطر
Member of Qatar Foundation



In 2020, we identified three strategic imperatives...



Interoperability & alignment

Truly interoperable standards will enable solutions that can encompass multiple components of a pipeline and multiple



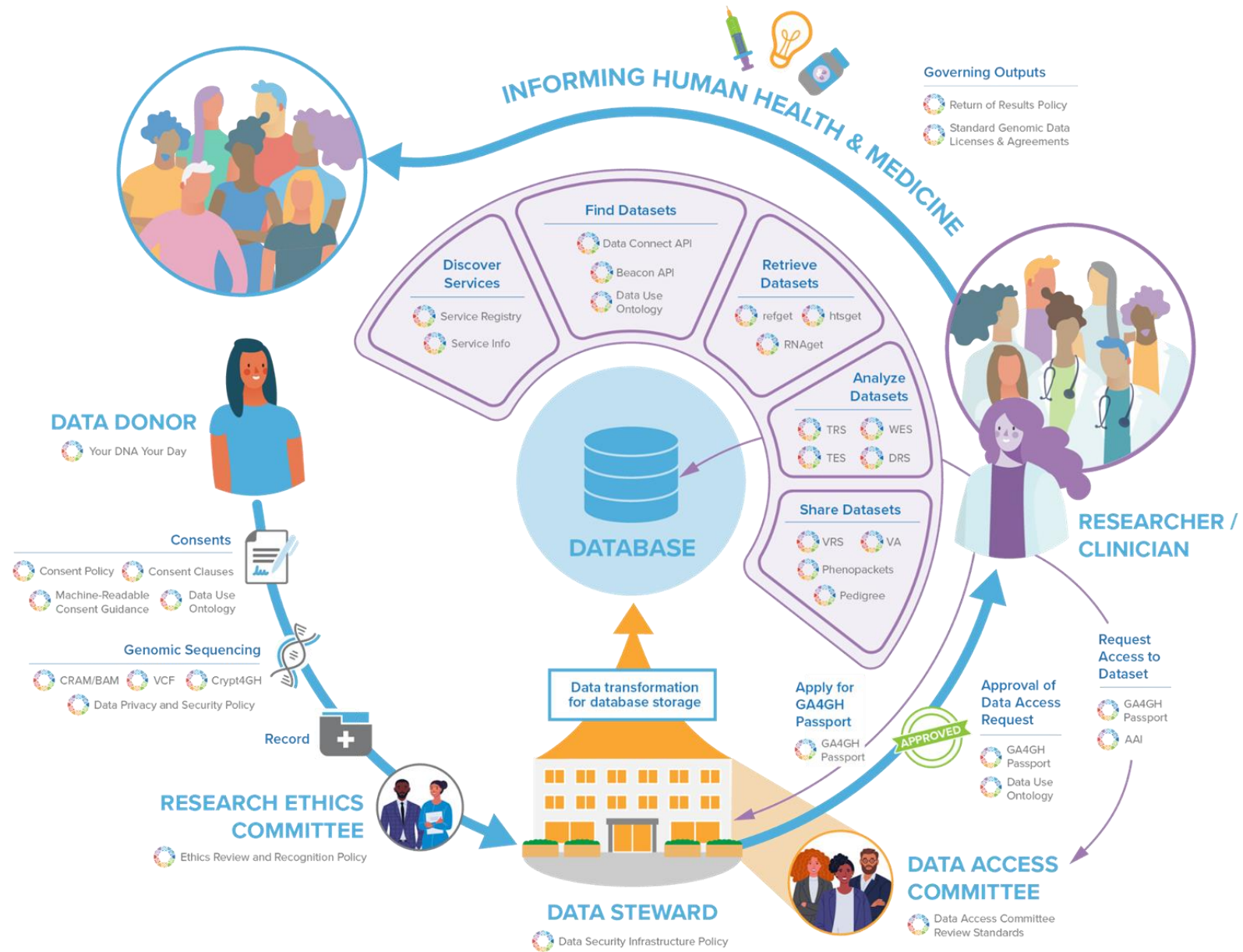
Implementation support

Driver projects and the community are able to quickly adopt and implement GA4GH standards, driving broad uptake and



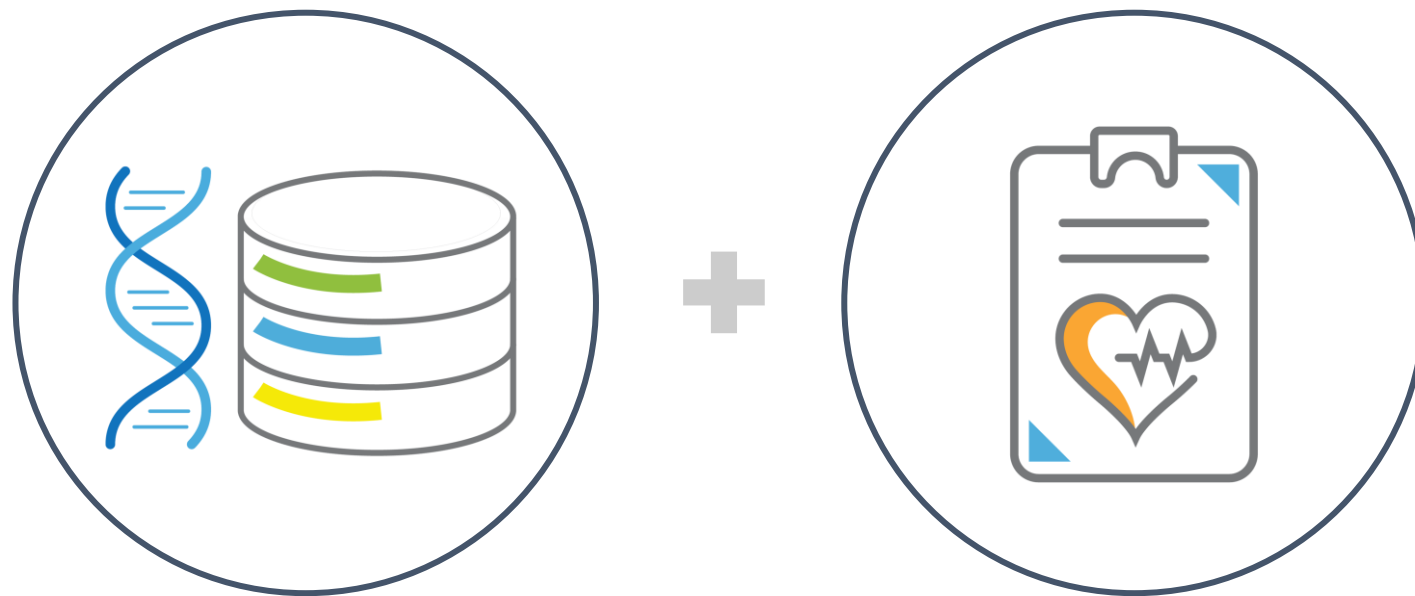
Engaging with healthcare and clinical standards

Ability to efficiently and effectively respond to the needs of clinical stakeholders, developing standards that support the

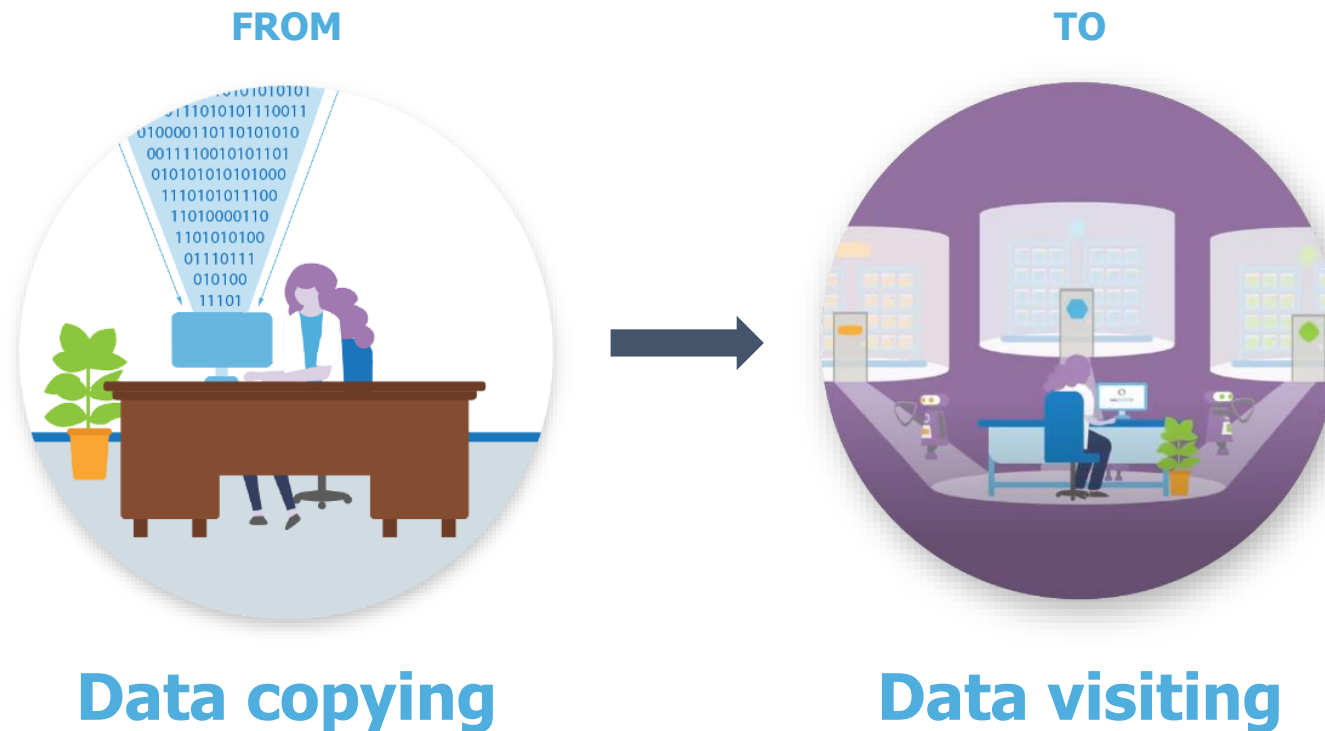


Combining genomic data and health data at scale...

...requires a paradigm shift in data sharing



A new paradigm for data sharing



Global collaborations



Global Alliance
for Genomics & Health



**International HundredK+
Cohorts Consortium**



**Global Genomic
Medicine Consortium**



**Public Health Alliance for
Genomic Epidemiology**



RESEARCH DATA ALLIANCE



THE
HUMAN VARIOME
PROJECT

HUMAN GENOME ORGANISATION
HUGO



HGVS
HUMAN GENOME
VARIATION SOCIETY



**World Health
Organization**



TAG-G



**INTERNATIONAL
COMMON DISEASE
ALLIANCE**

Maps to
Mechanisms to
Medicine

ICODA
International COVID-19
Data Alliance

**THE MEDICAL GENOME
INITIATIVE**



Thank you!

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