#### Part Two - Building upon the Canadian Digital Data Mosaic Creating a National Student Data Exchange Network ARUCC Groningen and Student Mobility Steering Group 2018

June ARUCC and PCCAT Conferences





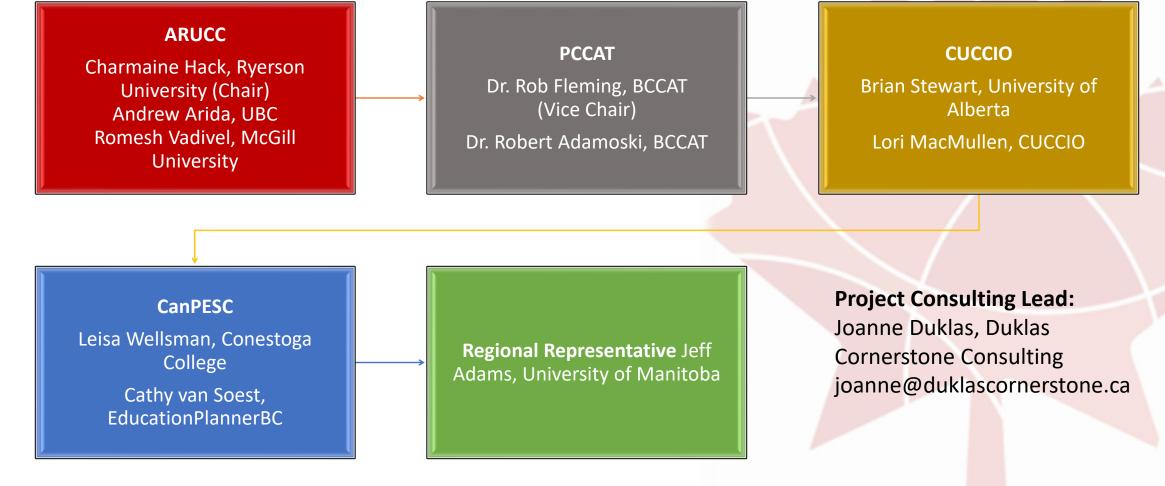






	Agenda	
	Introductions	
	<b>Business Problems to Solve</b>	
	Creating a National Node	
	Discussion/Questions	
	Next Steps	
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#### **Steering Committee**













### Possibilities & Problems to Solve



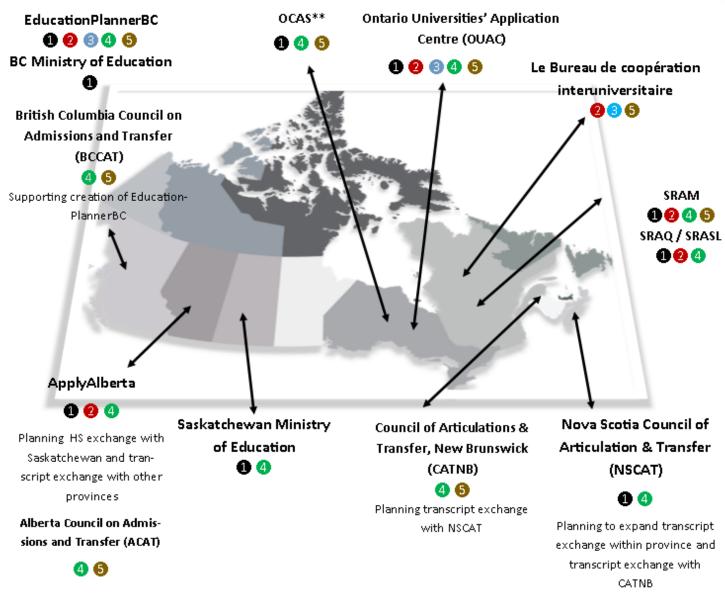








#### Internal Provincial Strengths



Data exchange of high school data with post-secondary institutions to support admissions within province

2 Data exchange between postsecondary institutions to support intra-provincial exchange

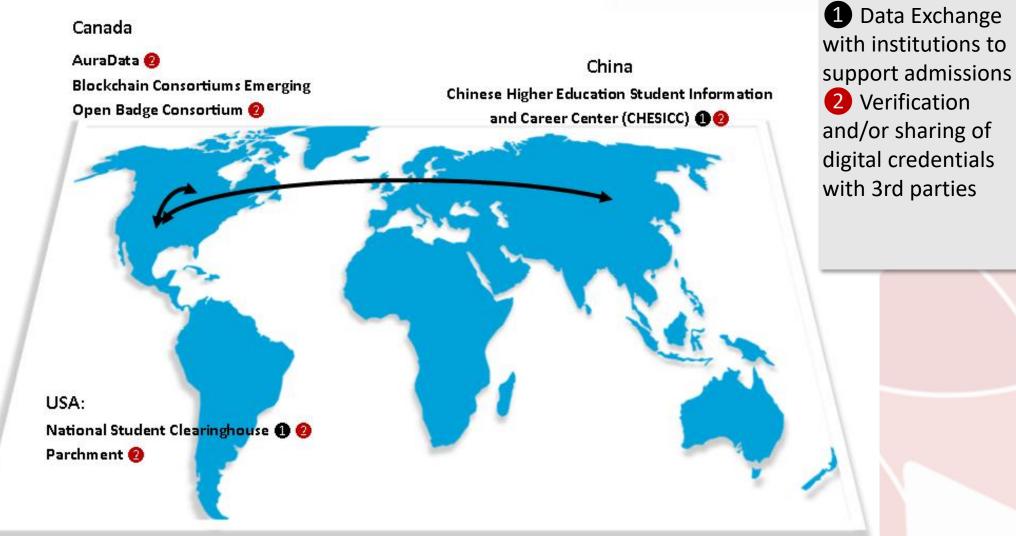
3 Data exchange with data hub or post-secondary institution located in another province (in any capacity)

4 Information resources on higher education pathways, transfer agreements, etc.

**5** Other support services (e.g., research, transfer policy guidelines, link various government bodies, etc.)

\*\* Full information not available

#### International Exchange





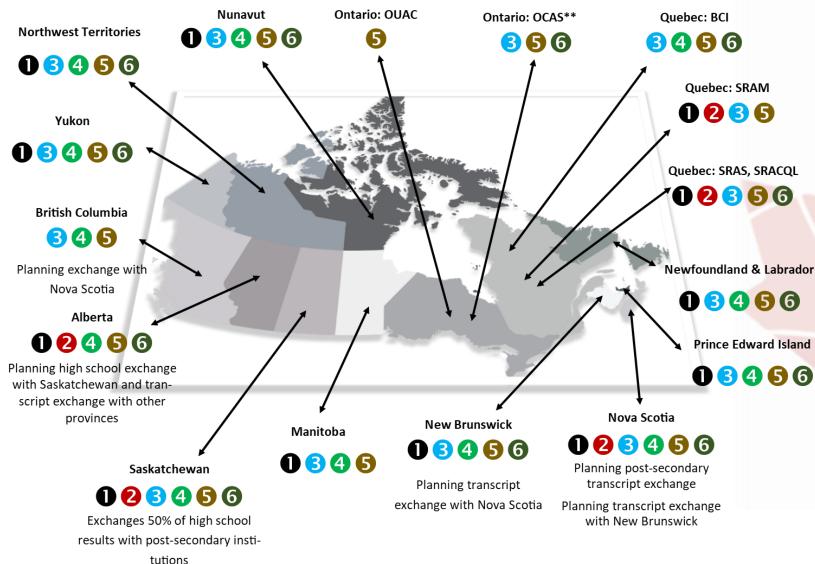








#### Post-Secondary Gaps



1 No inter-provincial data exchange

2 Provides exchange of high school or CEGEP data only

3 No graduate student data exchange

4 No connection to trusted third parties other than government (e.g., WES, regulatory bodies, etc.)
5 No pan-sector, provincial or national exchange/service for outbound post-secondary credential verification (not incl. apps/transcripts)

6 No pan-sector, provincial or national exchange/service for **inbound** post-secondary **credential** verification (e.g., WES)

\*\* Full information not available

### Examples of Other Gaps to Close

- Very Limited online credential verification capacities Existing options are either at the institutional level or through a few 3rd party vendors partnering with institutions (e.g., Parchment, AuraData, National Student Clearinghouse, etc.)
- No international connectivity to global nodes (except McGill exchange with CHESICC via NSC; OUAC capturing LSAT and MCAT scores; as above)
- No member owned provincial or Canada-wide exchange of microcredentials/badges, co-curricular records, etc. Select vendor options available including the Cdn Open Badge Consortium.
- Initial research into blockchain options (although Cdn govt recently launched a supply chain initiative)











### Short Project Overview











### SC Mandate Endorsed by Members (2016)

- Continue the exploration and development of a Canadian dataexchange model
- Guide the development of a Canadian data-exchange model
- Embed core benefits into the model improve student service; improve student mobility through efficient data-sharing; encourage national dialogue around student mobility and success; align with the national and international goals of other Canadian postsecondary and pathway organizations
- With ARUCC leading, create a governance model a national Steering Committee to provide project oversight











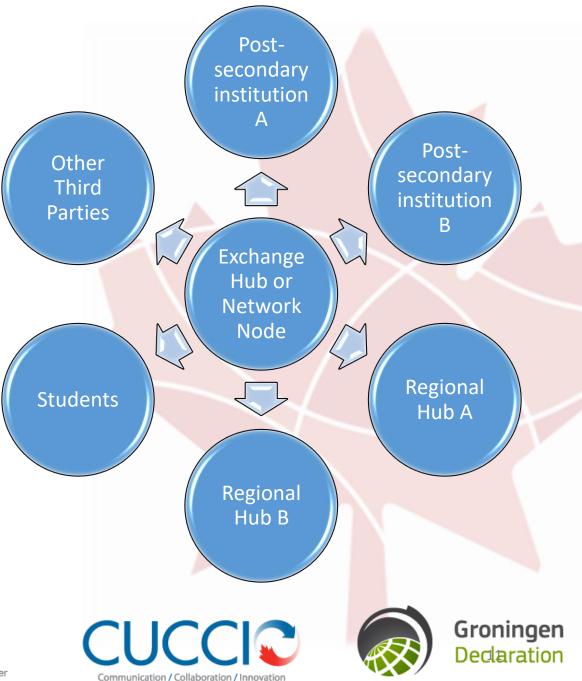
### National Model

- Facilitates trusted connections
- Enables data exchange between two parties
- Provides connection points for trusted international nodes
- Facilitates secure, permission-based sharing of data
- Supports Canada's diversity
- Does not imply creation of an online wallet or portal for students although that could represent a value-added service when sharing student data or credentials with other third parties.









#### **Project Principles**

- Improve student service
- Preserve and support institutional and provincial/territorial diversity, autonomy, and authority
- Advance improvements and enhancements that support student mobility and data portability
- Build on and complement existing student application and data exchange hubs supporting postsecondary
- Ensure national, evidence-based solution
- Close gaps













## Model

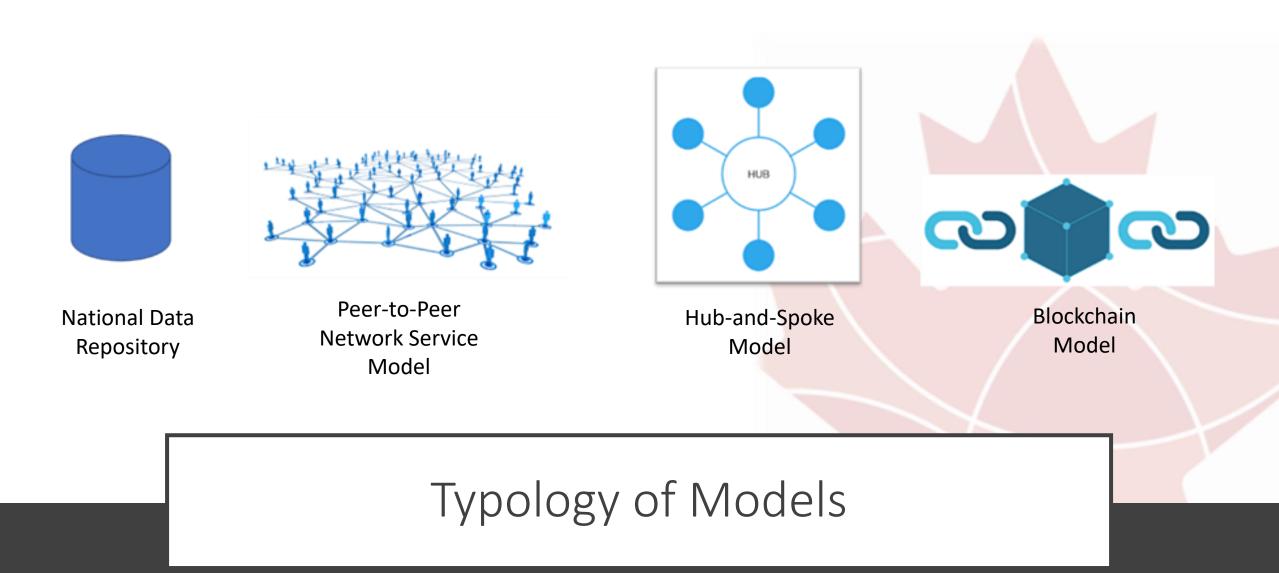




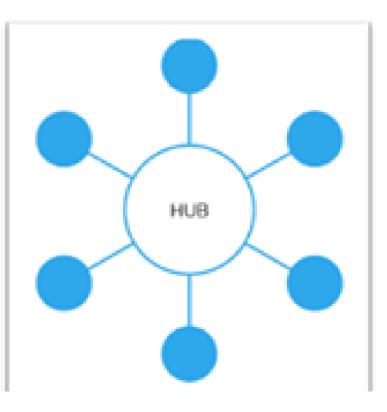








- Allows connectivity to existing Canadian hubs and postsecondary institutions without hubs
- □ Facilitates interoperability
- Allows institutions to maintain control over their student data repositories
- Does not require data to be stored in a central repository
- Facilitates needed infrastructure and environment to connect to trusted international partners
- Provides the opportunity to create unique service layers to support hubs, institutions, and, potentially students
- Allows exploration and adoption of other forms of distributed access to student data (into the future e.g., blockchain)



## Chosen Model

#### Sample Overall Business Requirements

- Ensuring the platform meets provincial, federal, and GDPR privacy regulations
- Ensuring the vendor's bone fides are appropriate
  - Financially able to implement and maintain the platform
  - Demonstrates the appropriate expertise
  - Has prior experience and appropriate competencies to handle Canada's complexities
  - Capable of supporting a complex governance structure
  - Provides a solution that meets the mandatory business requirements
  - Demonstrates partnerships with industry participants that supports mandatory requirements











### Sample Financial and Reporting Business Requirements

- Vendor can deliver
  - A cost recovery solution supported by financial allocation capacities
  - Reporting capacity for financial needs
  - Reporting capacity for strategic and policy decision making
  - Reporting capacity for operational needs











# Discussion, Advice & Questions Exploring Business Requirements











### Overall

What challenges exist in your institution, or within your province or territory that would be enhanced by a national data exchange solution?











### In-Bound Data Sharing

What is the biggest data exchange challenge impacting admission, transfer or study abroad when dealing with internationally educated students?











**Out-Bound Data Sharing** What data exchange supports does your institution or organization need to allow more efficient sharing of student data with other institutions or third parties (e.g., employers, regulatory bodies, etc.)?











## Anything Else?

Are there any other use cases or particular business challenges you believe must be solved through a national data exchange solution?











### For more information

#### ARUCC Groningen Website <u>http://arucc.ca/en/resources/task-</u> force-groningen.html



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