

Building upon the Canadian Digital Data Mosaic

Creating a National Student Data Exchange Network

ARUCC Groningen and Student Mobility Steering Group
2018

CanHEIT Conference June 2018



Groningen
Declaration

Agenda

Introductions

Creating a National Node

Project Status Update

Next Steps

Discussion/Questions

Presenters

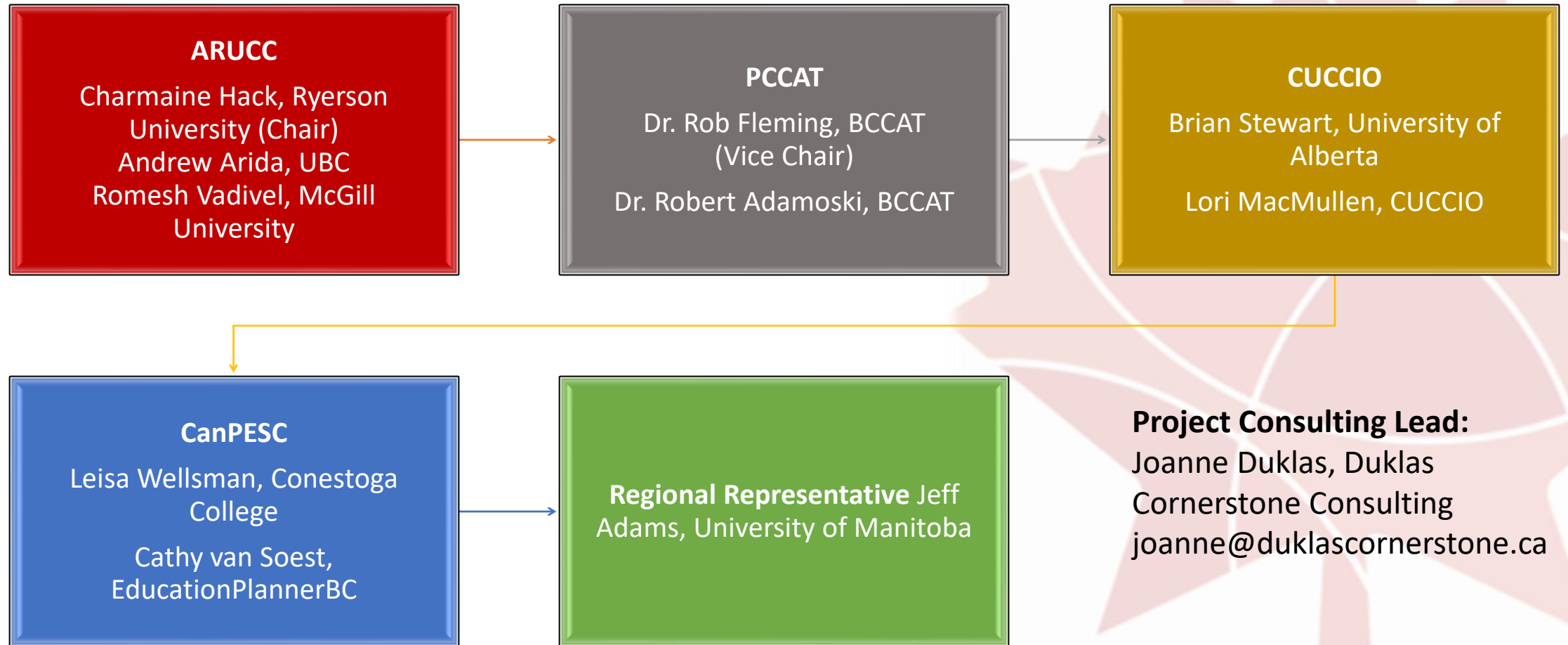


Brian Stewart
CUCCIO Representative
CIO, University of Alberta



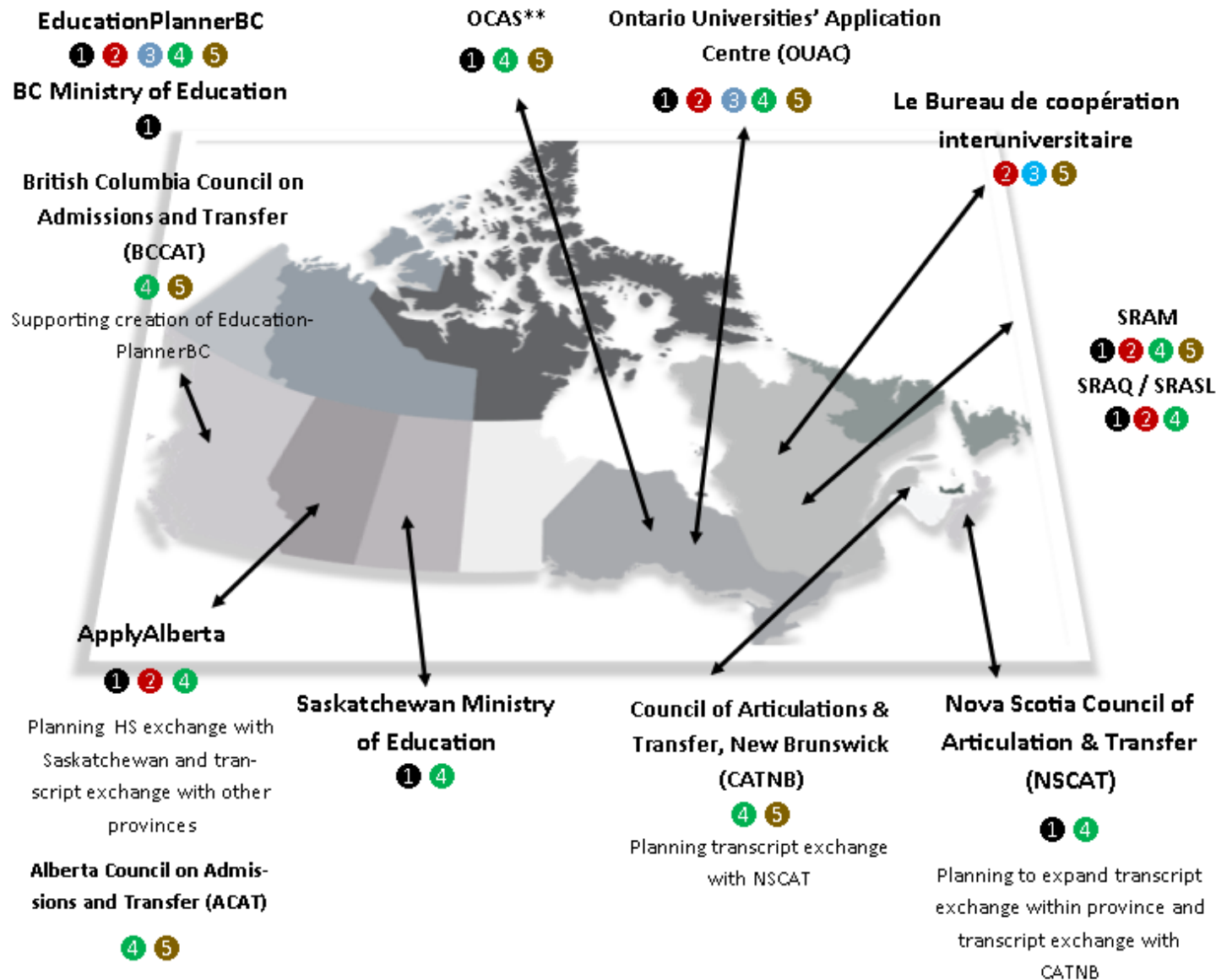
Lori MacMullen
CUCCIO Representative
Executive Director, CUCCIO

Steering Committee



Possibilities & Problems to Solve

Internal Provincial Strengths



① Data exchange of high school data with post-secondary institutions to support admissions within province

② Data exchange between post-secondary institutions to support intra-provincial exchange

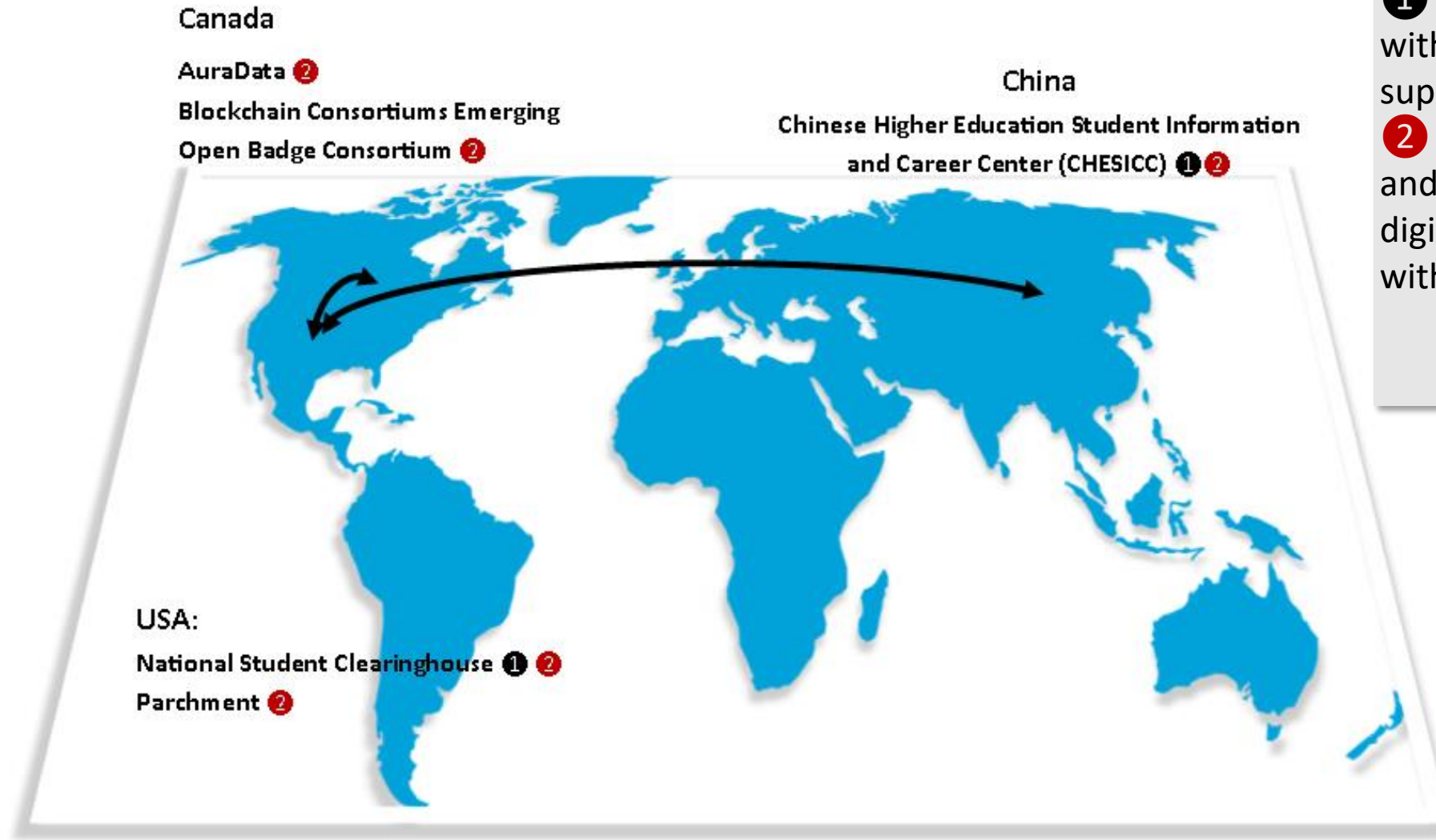
③ Data exchange with data hub or post-secondary institution located in another province (in any capacity)

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.)

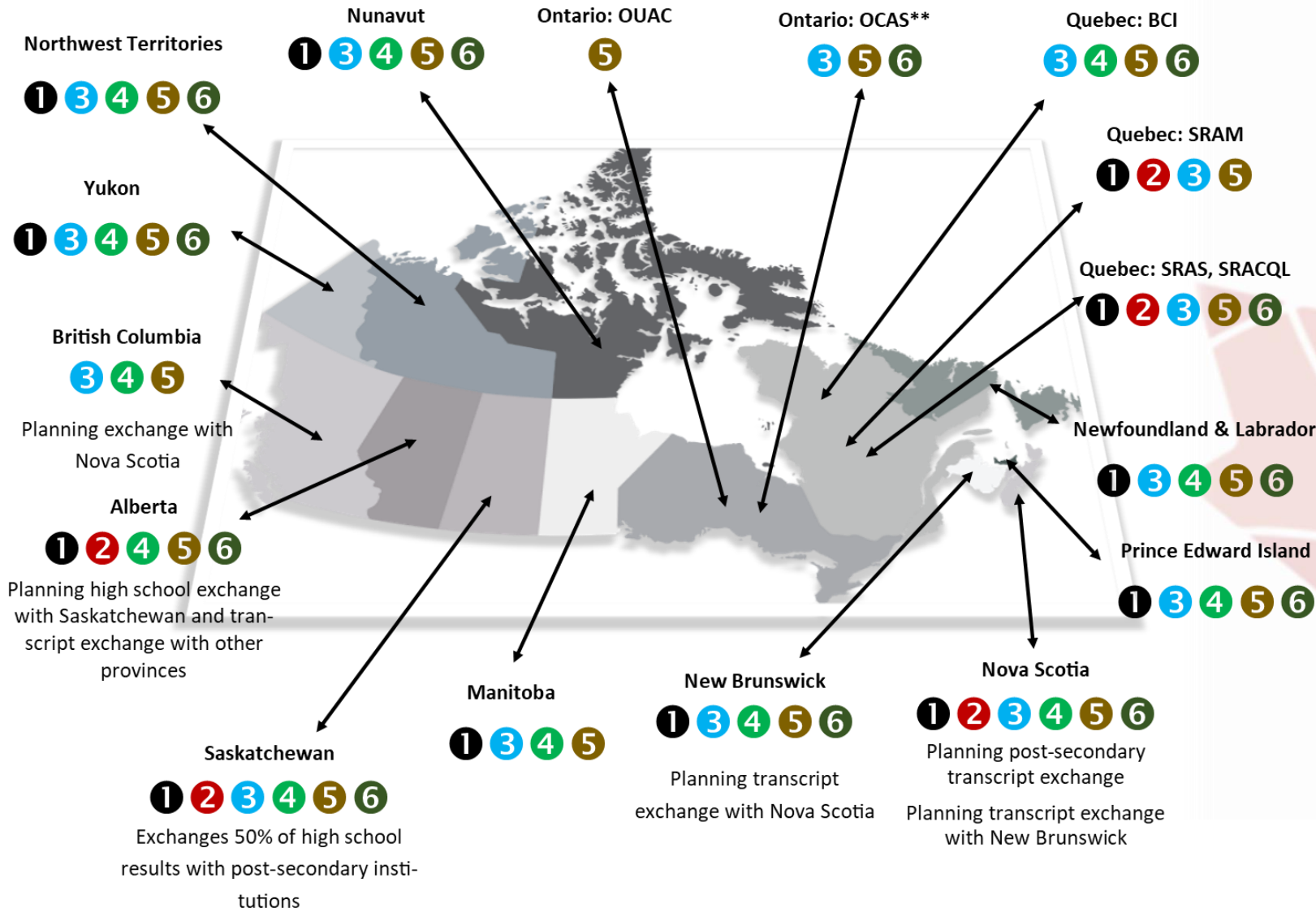
** Full information not available

International Exchange



- ① Data Exchange with institutions to support admissions
- ② Verification and/or sharing of digital credentials with 3rd parties

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

** Full information not available

Sources: consultation with organizations, institutional experts, and/or review of organization's publicly available material

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., Notarius, 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 micro-credentials/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)

Project Overview

SC Mandate Endorsed by Members (2016)

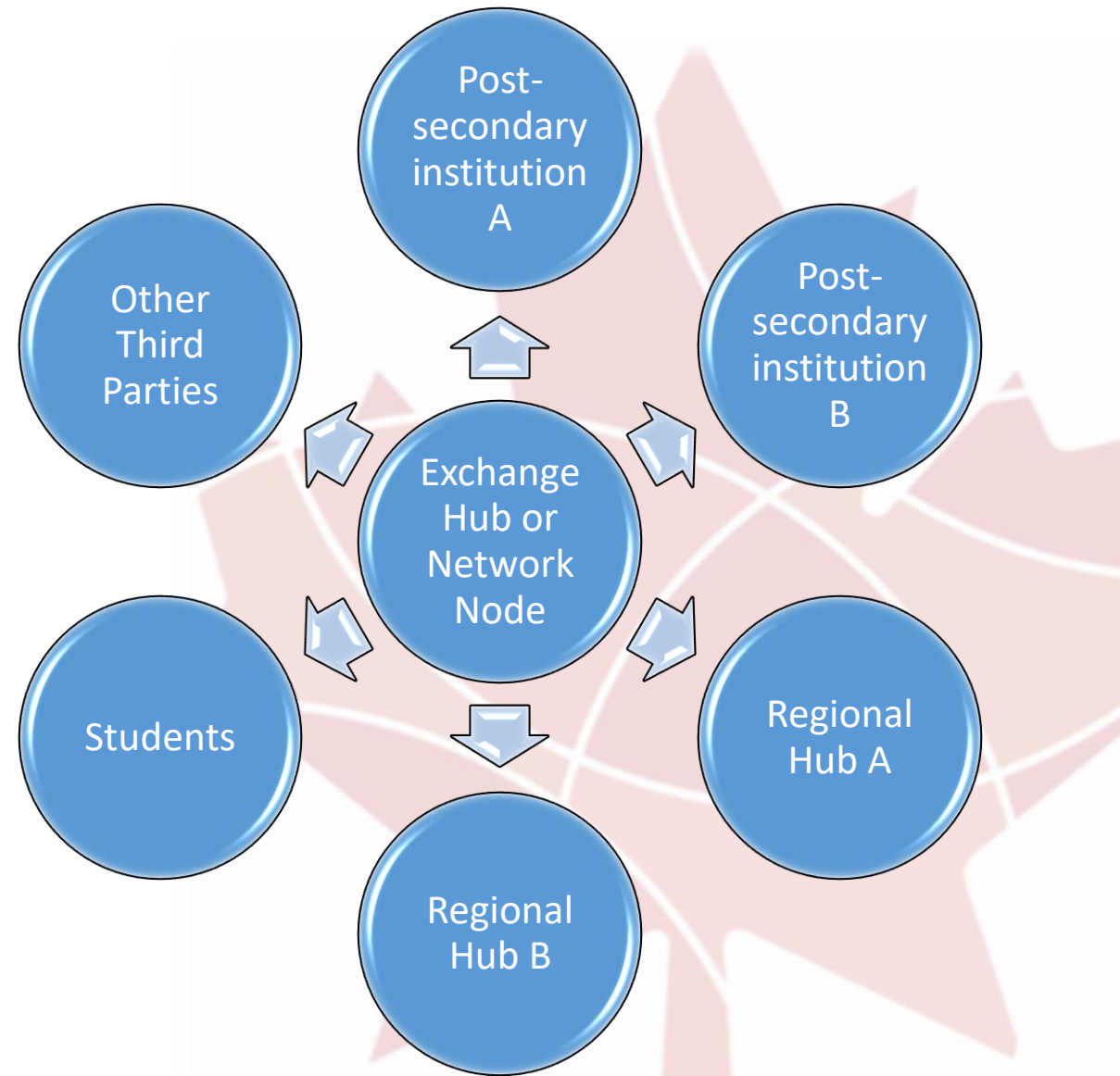
- Continue the **exploration and development** of a Canadian data-exchange model
- Guide the **development** of a Canadian data-exchange model
- **Embed core benefits** into the model - improve student service; improve student mobility through efficient data-sharing; encourage national dialogue around 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

The image features a map of Canada. The western provinces (British Columbia, Alberta, Saskatchewan, and Manitoba) are highlighted with semi-transparent colored overlays in shades of blue, purple, and grey. The rest of the country is shown in a light grey tone. On the right side, there is a white semi-circular overlay containing the project title.

Project: Create a
National Solution
for Data Exchange

National Model

- Facilitates trusted connections
- Enables data exchange between two parties
- Provides connection point for 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 credentials with other third parties.



National Coalition



Communication / Collaboration / Innovation



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



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Canadian Bureau for
International Education

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BRITISH COLUMBIA REGISTRARS ASSOCIATION

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University



PCCAT

Pan-Canadian
Consortium on
Admissions & Transfer



BC Senior Academic
Administrators
Forum



CAPILANO
UNIVERSITY



CELEBRATE
THE EXPERIENCE

Ryerson
University



University
of Windsor

Saskatchewan Trans
fer Credit &
Learner Pathway
Council



Nova Scotia

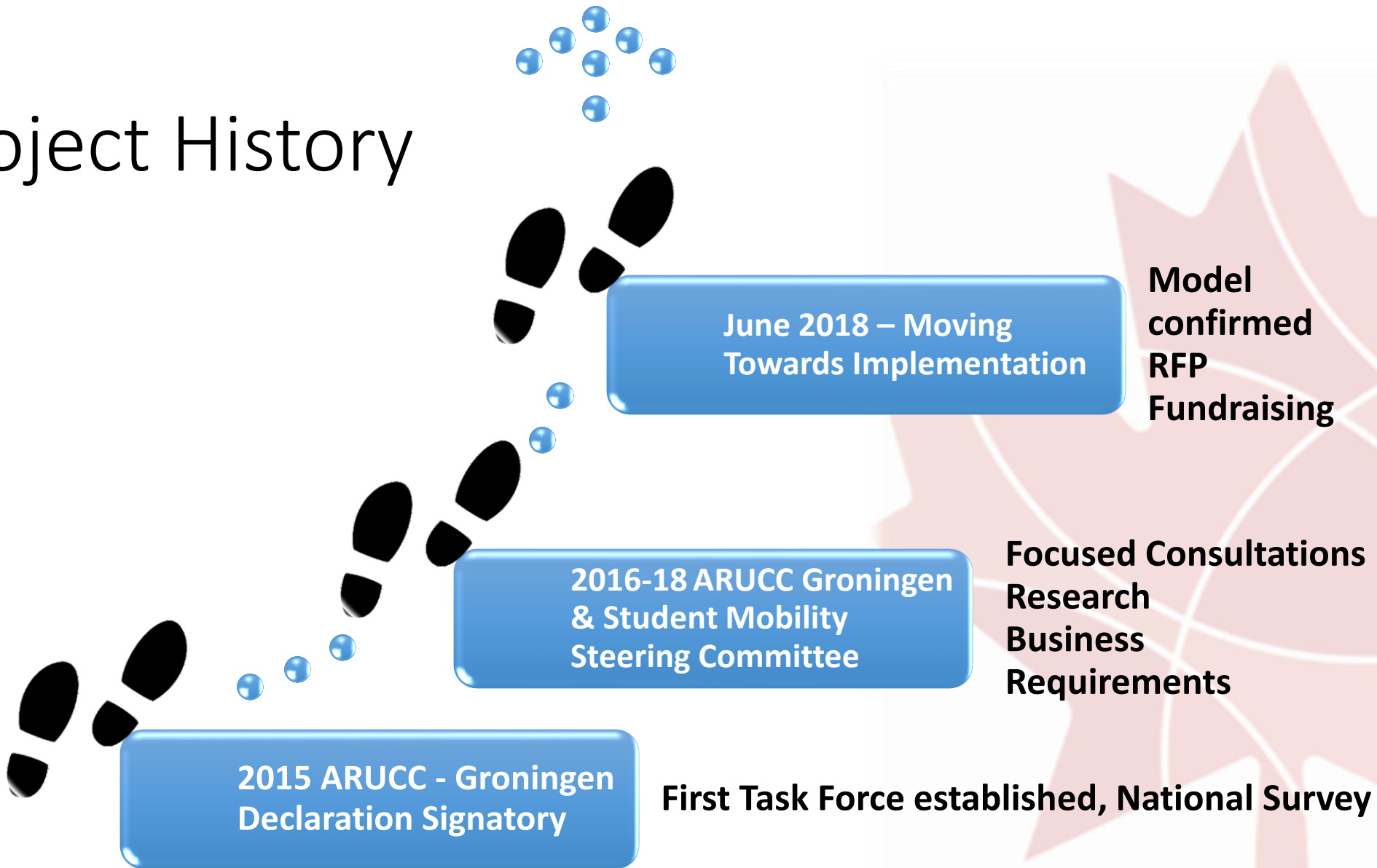
Council on Admission & Transfer



DALHOUSIE
UNIVERSITY



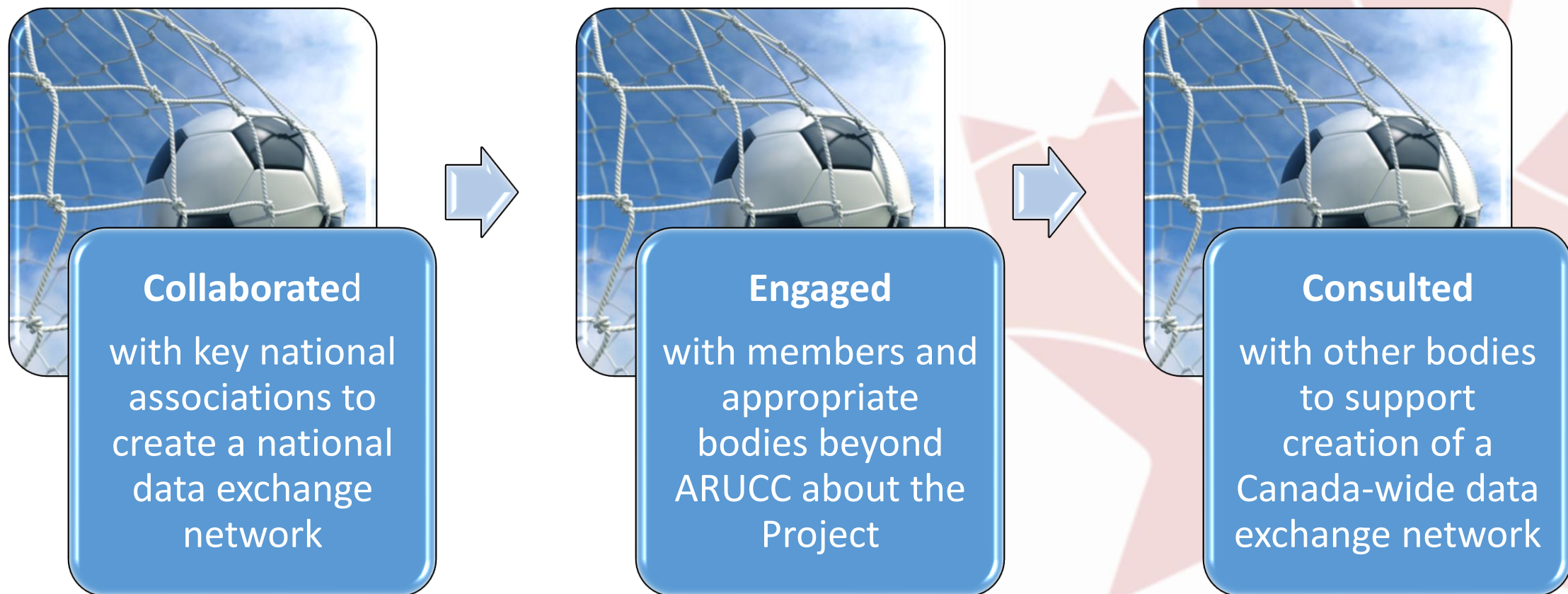
Project History



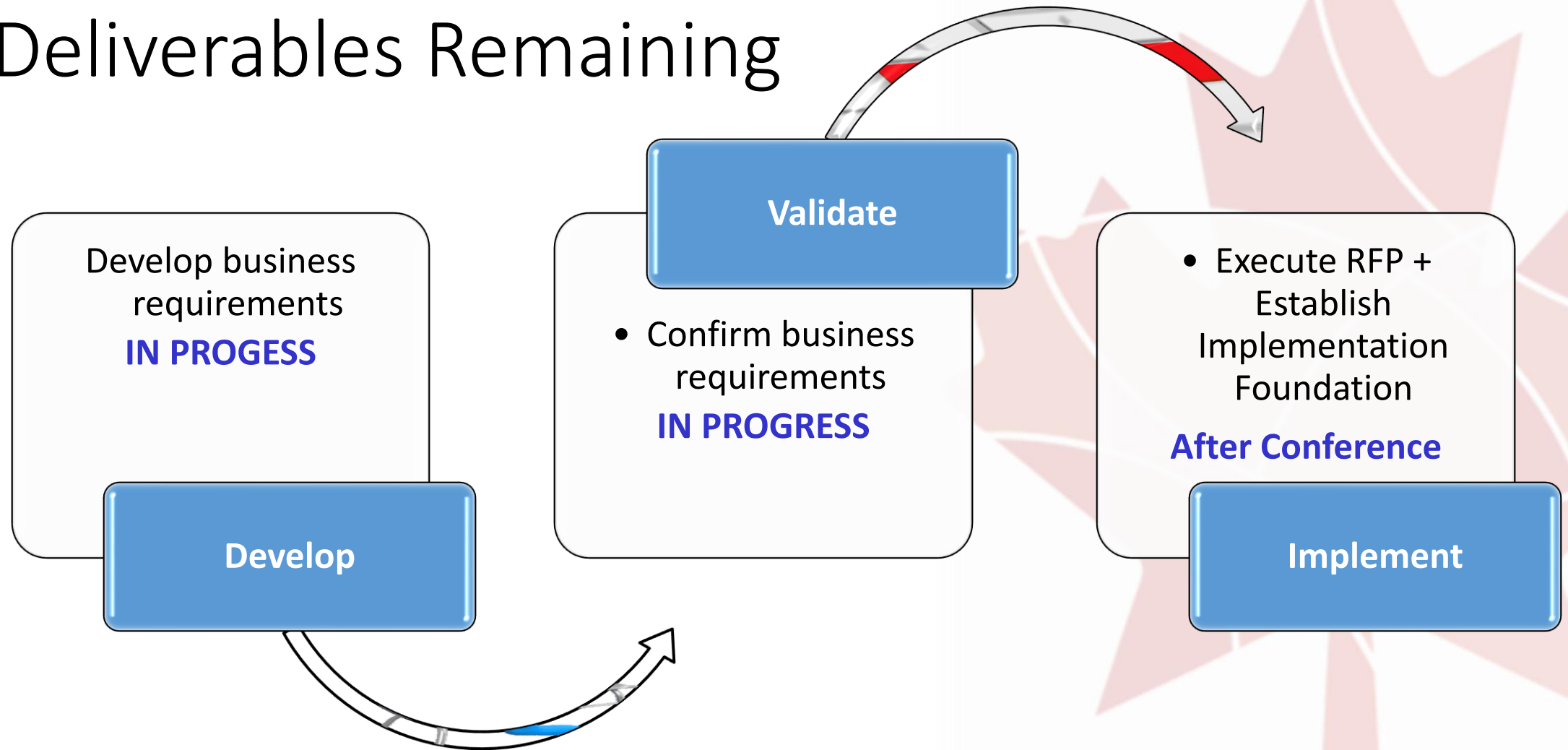
Highlights of Work Completed (April 2017 to Present)

- Resources: hired a project consultant
- Presentations: conducted 500+ registrarial and data exchange experts (provincial, national, international)
- Formal research request: consulted with 1400+ data exchange and student mobility experts through the Groningen Network and at the GDN Meetings
- Direct consultation: engaged 100+ organizations, vendors, government, and people with expertise in national and international data exchange
- Sample Research: Information Request, Web site reviews, presentations, meetings, survey, different models
- Additional Consultation: Ontario and BC Projects, spring session series

✓ Steering Mandated Deliverables Accomplished



Steering Mandated Deliverables Remaining

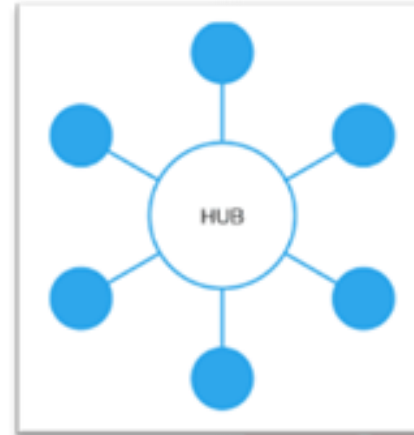




National Data
Repository



Peer-to-Peer
Network Service
Model



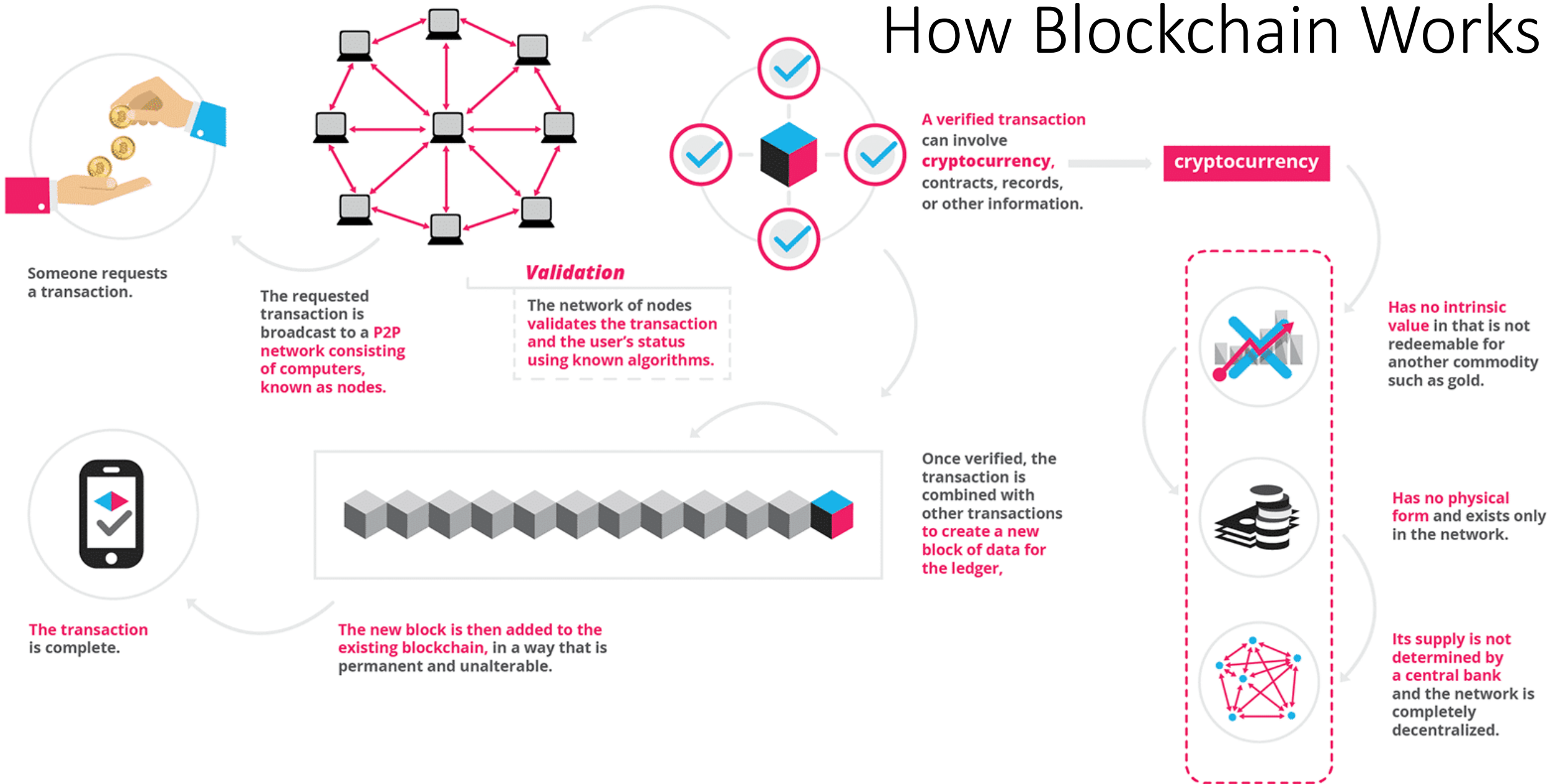
Hub-and-Spoke
Model



Blockchain
Model

Typology of Models

How Blockchain Works



Discussion, Advice & Questions

Discussion Questions

- What gaps exist in your jurisdictions that we should consider?
- What business requirements would you suggest?
- What would you suggest is required institutionally and provincially to advance this project further?

For more information

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

Contact Joanne Duklas if you have questions about the sessions
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