

Building upon the Canadian Digital Data Mosaic

Creating a National Student Data Exchange Network

ARUCC Groningen and Student Mobility Steering Group

Overview

- Project Vision and Goals, and Role of Steering Committee
- Early Work - ARUCC Groningen Declaration & Student Mobility Taskforce
- Current State: Digital Student Data in Canada
- Action Items: Research Information Request
- Discussion

Vision, Goals, and ARUCC's Role

- **Vision** - Advancing national and international student mobility through trusted electronic data exchange.
- **Goals** - enhancing Canada-wide data exchange capacity; creating a national network for student data exchange
- **Role** - the ARUCC Groningen and Student Mobility Steering Group is responsible for overseeing and steering the next stage of consultation, research, and planning on behalf of ARUCC and in partnership with the Pan-Canadian Consortium on Admissions and Transfer (PCCAT) and the Canadian Education Standards Council (CanPESC).

The Canadian Electronic Student Data Exchange Mosaic: *Origins and Reasons Why*

- Education falls to provincial, not national, jurisdiction.
- Electronic data hubs developed at a provincial level.
- Diverse network of universities, colleges and technical institutes.
- High level of intra-provincial mobility (between institutions and institution types) by design; less so at the national level.
- **Need for a national network:** supporting student success, mobility, and service; enhancing efficiencies, scalability, trusted data exchange; mitigating fraud and preserving the high quality brand of Canadian PSI

ARUCC and the Groningen Declaration Taskforce in Partnership with CanPESC and PCCAT

- Association of Registrars of the Universities and Colleges of Canada, Pan-Canadian Consortium on Admissions and Transfer, and CanPESC
- ARUCC signed Groningen Declaration on behalf of all Canadian post-secondary institutions in 2015
- Taskforce struck to champion the engagement of Canadian institutions in the implementation of the Groningen Declaration by fostering an ethos, culture and network that removes impediments for data portability, and provides the foundation for student mobility.
- First Step: environmental scan / stakeholder survey

ARUCC and the Groningen Declaration Taskforce Recommendations

1. Explore and develop a data-exchange model that:
 - is accessible in both French and English (Canada's two official languages);
 - builds on provincial models;
 - is scalable and will fill the gaps in each region;
 - provides a point of contact to international data exchange networks;
 - provides authentic, reliable data in a secure and standard manner.
2. Embed guiding principles: flexible, cohesive, scalable, single, secure point of contact.

ARUCC and the Groningen Declaration Taskforce Recommendations

3. Promote guiding benefits:
 - improve service to students,
 - support and improve student mobility,
 - promote national dialogue re: student mobility and success, and
 - align with the national/ international goals of other Canadian postsecondary stakeholders
4. With ARUCC taking the lead, create a governance model of a national joint steering committee to provide oversight.
5. More details about recommendations at arucc.ca (click on “Task Force: Groningen”)

The Canadian Electronic Student Data Exchange Mosaic: *Current State*

	National application centre	Provincial application centres & other hubs	Intra-provincial movement of electronic data	Inter-provincial movement of electronic data	International movement of electronic data
Secondary to Post-Secondary	--	Ontario (OCAS, OUAC), Alberta, BC, Sask, Quebec CEGEP Centres – XML incl. French vers.	Yes	Ontario, select PSIs Other are direct from Ministry or app centres	No (some exceptions)
Post-Secondary to Post-Secondary	--	Ontario (2), Alberta Nova Scotia, Quebec BCI, BC – XML, PDF (some shifting to XML from EDI)	Depends on jurisdiction - Some (EDI / PDFs/XML), but only among certain institutions	BC to Ontario	No (some exceptions)

ARUCC and the Groningen Declaration Taskforce: - Discussion -

1. ACTION ITEM: Fall 2017

Create a Research Information Request for a blueprint of a pan-Canadian data exchange model (see www.arucc.ca under “Task Force: Groningen”). Solution should consider and build upon existing capacities - the Canadian “mosaic”.

2. ACTION ITEM: Spring 2018

Use the results of the Research Request for Information to build a business case to support enactment of the initiative (ARUCC Biennial General Meeting in June 2018).

Research Information Request (RIR)

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

ARUCC Overview

Created in 1964, the Association of Registrars of the Universities and Colleges of Canada (ARUCC; <http://www.arucc.ca/en/>) represents registrarial, admissions, and enrolment services professionals at universities, colleges, and institutes in Canada. As a national volunteer organization in higher education, it focuses on enhancing professional development, research, standards, and best practices to support student success and mobility. ARUCC membership includes institutions from all regions of Canada with support from individual institutional members such as registrars, admission directors, student records managers, student services managers, and other personnel in the areas of student advising and counselling, and financial aid. ARUCC is an Associate Member of Universities Canada and of the Canadian Council for the Advancement of Education (CASE). Further, it is a regional association of the American Association of Collegiate Registrars and Admissions Officers (AACRAO) and maintains partnerships and/or memoranda of understanding with organizations and associations such as the Pan-Canadian Consortium on Admissions and Transfer (PCCAT) and the Northern American P20W Education Standards Council (PESC) and its Canadian arm called the Canadian PESC User Group (CanPESC).

Research Information Request

In the interest of advancing student mobility and data exchange capacity, ARUCC wishes to explore creation of a trusted and networked Canadian data exchange environment to complement, extend, and enhance existing capacities at and across postsecondary institutions, governments, and allied organizations. As such, ARUCC is interested in capturing advice and insight from organizations and associations involved in student data exchange to better understand opportunities for enhancing student mobility.

This document is intended to support ARUCC's efforts in this regard by seeking preliminary information and advice from potential partners with the capacity to support creation of a Canada-wide data exchange environment. Those interested are invited to provide responses to the questions contained in this document by June 30, 2017.

Contact for further information: Joanne Duklas, 905 877 7485, joanne@duklascornerstone.ca

Research Questions

1. To help us understand more about your organization, please provide an overview and what role your organization fulfills with regard to student data capture and exchange, and/or credential issuance in the higher education market. Include in this description an overview of the technology platform and programming standards employed.
2. What types of higher education organizations has your organization partnered with to support student data capture and exchange, and/or credential issuance in the higher education market? What advice would you have for ARUCC and Canadian institutions and organizations to support a partnering relationships with third-party organizations when creating a data exchange environment?
3. In Canada, significant diversity exists in terms of technological infrastructure and capacity at different institutions (from the most sophisticated to the least complex) and at provincially-based application centres in select regions. These latter associations and organizations support intra-provincial and, in some cases, select inter-provincial exchange of student data for postsecondary institutions and school boards. Has your organization had experience dealing with this type of variety? If yes, please elaborate. Do you have any recommendations for ARUCC to manage this kind of diversity from an implementation or change management perspective when considering student data exchange?
4. In your experience, what is the typical planning process, methodology, phases, and timelines involved to assess, plan, establish the infrastructure, and onboard data exchange facility? Are there any typical differences depending on whether dealing with an individual institution or a well established data exchange environment?
5. What types of resources and skill levels would you recommend from a partnering organization such as ARUCC to ensure scalable, effective, and efficient creation of a data exchange environment?

ARUCC Groningen efforts to date:

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

ARUCC Groningen Steering Committee:

Charmaine Hack, President, ARUCC; Registrar, Ryerson University
Romesh Vadivel, Vice-President, ARUCC; Assistant Registrar, Systems, Projects and Change Management, McGill University
Andrew Arida, Past President, ARUCC & Associate Registrar; Student Recruitment & Undergraduate Admissions, University of British Columbia

Question Topics in the Research Information Request

1. Organizational background and history
2. Previous consultations and work in HE field
3. Accommodating diversity of Canadian HE landscape
4. Suggested methodology, phases and timelines
5. Resources and skills required from ARUCC / Canadian HE
6. Lessons learned and anticipating new challenges

Q&A

What recommendations do you have?

Send insights to the ARUCC Groningen and Student Mobility Steering Group

For further information:

Charmaine Hack, chack@Ryerson.ca

Romesh Vadivel, romesh.vadivel@mcgill.ca

Andrew Arida, Andrew.arida@ubc.ca

Rob Fleming, rfleming@bccat.ca

Robert Adamoski, radamoski@bccat.ca

Leisa Wellsmann, leisa@ouac.on.ca

Cathy van Soest, cathy@educationplannerbc.ca

Joanne Duklas, joanne@duklascornerstone.ca

ARUCC Groningen Website

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