OPTIMIZING TECHNOLOGY USE IN EDUCATION
Guiding Québec’s postsecondary institutions in making educational technology choices while promoting technopedagogical innovation
Vitrine technologie-éducation (VTÉ) was founded in 1992 by the Ministère de l’Enseignement supérieur et de la Science to support institutions as they engage in integrating educational technologies. Collège de Bois-de-Boulogne has since received an annual grant from the Ministère, now the Ministère de l’Éducation, de l’Enseignement supérieur et de la Recherche du Québec (MEESR), to accomplish this mandate. As well, a portion of VTÉ revenues is self-sustaining.

Since its founding, Vitrine technologie-éducation has helped to support the activities of ICT pedagogical counsellors and at the same time build the knowledge and the competencies of college network teaching staff. Its approach is based on a partnership that brings together solution providers, institutions, experts and teachers. The objective is to provide information that allows institutions to make informed choices about implementing services and practices in support of pedagogy.

In that regard, the cataloguing of educational software, and later, the first sites with pedagogical content, laid the groundwork for the collective CERES catalogue, which lists and disseminates resources produced by the network’s partner organizations throughout all communities of the Francophonie, applying best practices with regard to norms and standards.

The transfer of expertise, combined with concern for data and tool interoperability, facilitates sustainable integration and protects investments.

Inspired by a philosophy of sharing, a small team of four individuals contributes to technopedagogical innovation. This is an ongoing process, one that has already introduced us to the Internet of Things, learning analytics and wearable technologies, including sensors and smart watches. Come share with us your vision of education.

Pierre-Julien Guay
Coordinator
By proposing a nexus for the stakeholders of emerging practices, including innovators, early adopters, solution providers and researchers, Vitrine technologie-éducation has broken down traditional silos. It has implemented activities in the form of laboratories that make it possible to explore and evaluate the potential for adopting new tools and new methods. These activities are open to practitioners from all backgrounds. By documenting and disseminating exploration activities, VTÉ guides practitioners in choosing and integrating tools.

- Cloud computing and pedagogy
- Open digital badges in education
- Robotics and pedagogy
- Fab Lab
- Writing support tools
- Serious games
“Thanks to VTE who enabled and shone the spotlight on virtual attendance via robotic telepresence.”

Lee Anne Johnston
Education Advisor
Cégep Heritage College

“VTE quickly obtains access to bleeding edge technologies and puts them within the hands of educational technologists in a spirit of collegiality, so that we can learn together.”

Ryan Moon
Project Manager
Cégep à distance

“Great conversation w @enkerli of @VTELab today reoriented my thinking about #edtech + #digped: it's all about “technological appropriation””

Jeremy Dean
Director of Education
Hypothes.is

“@kimbowa @McGrawBridget @Emefie @tedcurran @cReverd @enkerli @VTELab brought us together, so this is one product of collaboration.”

James Willis
Research Associate
School of Education at Indiana University
GROUP PURCHASES

While providing support to institutions at all levels of instruction with the planning and implementation of technological solutions and associated services supporting ICTs and pedagogy, Vitrine concludes agreements with providers to lower acquisition costs and optimize implementation.

Agreements and contracts are based on:

- Specifications that fit the pedagogical context.
- A quality assurance process for contract performance.

Purchasing power of a specialized group:

- Group of 88 member institutions, including school boards, CEGEPs and universities.
- Annual savings of $1.2 million.

Do your staff and students enjoy the benefits associated with Vitrine technologie-éducation contracts?

- Microsoft Office Home 2016 for $11, for Windows and Macintosh.
- Adobe products suite (Photoshop, Illustrator) lease for less than $10 per year.
- Office 365 at no additional cost.
STANDARDS FOR EDUCATION

Avoiding dependence on unique providers based on proprietary solutions and ensuring data interoperability is key to achieving sustainable, responsible investment in the choice of technical solutions.

With the support of the Standards Council of Canada, the coordinator of Vitrine technologie-éducation (VTÉ) takes part:

- In the Technical Committee on Information Technology.
- In the International Committee JTC1 ISO/IEC JTC1 SC 36 – Information technology for learning, education and training.
- In the International Committee PC288 Educational organization management systems.
INDEXING DIGITAL LEARNING RESOURCES

Teachers can share and reuse thousands of digital resources as long as they are described and gathered in a repository. That is precisely the objective of CERES, the catalogue produced by Vitrine technologie-éducation.

In addition to the 5000 resources listed here in Québec, the repository includes 35,000 college and university level resources originating in the Francophonie and other communities. Supported by the Organisation internationale de la Francophonie, the network federates resources from Wallonia, France, Morocco and Tunisia.

Through the exemplary application of standards for learning resource description, harvesting and Semantic Web practices, CERES allows users to research resources regardless of the classification systems used.

http://ceres.vteducation.org/app/

IDEAL FOR DISTANCE EDUCATION

Most of the resources in CERES may be freely reused, creating considerable savings for the implementation of online courses!
FINANCIAL STATEMENT 2014-2015

At June 30, 2015

REVENUE 2014-2015

- ENTENTE CANADA-QUÉBEC: 82,757 $
- ROYALTIES: 124,513 $
- CONTRIBUTIONS: 57,894 $
- MEESR GRANT: 211,100 $

EXPENDITURES 2014-2015

- GROUP PURCHASES: 110,496 $
- OPERATING EXPENSES: 31,213 $
- ALLOCATION: 34,545 $
- RESOURCE INDEXING: 92,730 $
- LABORATORIES AND TECHNOLOGY WATCH: 185,461 $
- MEESR GRANT: 211,100 $
- ROYALTIES: 124,513 $
- CONTRIBUTIONS: 57,894 $
- STANDARDS: 21,819 $

LIST OF MEMBER INSTITUTIONS

Bibliothèque et Archives nationales du Québec (BanQ)
Bureau de coopération interuniversitaire (BCI)
Campus Notre-Dame-de-Foy
Cégep André-Laurendeau
Cégep Beauce-Appalaches
Cégep de Baie-Comeau
Cégep de Chicoutimi
Cégep de Drummondville
Cégep de Granby–Haute-Yamaska
Cégep de Jonquière
Cégep de l’Abitibi-Témiscamingue
Cégep de l’Outaouais
Cégep de la Gaspésie et des Îles
Cégep de La Pocatière
Cégep de Lévis-Lauzon
Cégep de Matane
Cégep de Rimouski
Cégep de Rivièrevu-du-Loup
Cégep de Saint-Félicien
Cégep de Saint-Hyacinthe
Cégep de Saint-Jérôme
Cégep de Saint-Laurent
Cégep de Sainte-Foy
Cégep de Sept-Îles
Cégep de Sherbrooke
Cégep de Sorel-Tracy
Cégep de Thetford
Cégep de Trois-Rivières
Cégep de Victoriaville
Cégep du Vieux Montréal
Cégep Édouard-Montpetit
Cégep Garneau
Cégep Gérald-Godin
Cégep Heritage
Cégep John Abbott
Cégep Limoilou
Cégep Marie-Victorin
Cégep régional de Lanaudière
Cégep Saint-Jean-sur-Richelieu
Cégep Vanier
Collège Ahuntsic
Collège André-Grasset
Collège Bart
Collège Champlain
Collège d’Alma
Collège Dawson
Collège de Bois-de-Boulogne
Collège de Maisonneuve
Collège de Rosemont
Collège de Valleyfield
Collège Jean-de-Brébeuf
Collège Lafîche
Collège Lionel-Groulx
Collège Marianopolis
Collège Marsan
Collège Mérici
Collège Montmorency
Collège O’Sullivan de Montréal
Collège O’Sullivan de Québec
Collège Salette
Collège Shawinigan
Commission scolaire de Laval
Commission scolaire des Affluents
Commission scolaire des Samares
École de technologie supérieure (ETS)
École nationale d’administration publique (ENAP)
Fédération des cégeps
HEC Montréal
Institut de tourisme et d’hôtellerie du Québec (ITHQ)
Institut maritime du Québec (IMQ)
Institut national de la recherche scientifique (INRS)
LCI Éducation
Polytechnique Montréal
Réseau d’informations scientifiques du Québec (RISQ)
Séminaire de Sherbrooke
Service régional d’admission du Montréal métropolitain (SRAM)
TÉLUQ (L’université à distance de l’Université du Québec)
Université Bishop’s
Université Concordia
Université de Montréal
Université de Sherbrooke
Université du Québec (UQ)
Université du Québec à Chicoutimi (UQAC)
Université du Québec à Montréal (UQAM)
Université du Québec à Rimouski (UQAR)
Université du Québec à Trois-Rivières (UQTR)
Université du Québec en Abitibi-Témiscamingue (UQAT)
Université du Québec en Outaouais (UQO)
Université Laval
Université McGill