



# OPTIMIZING TECHNOLOGY USE IN EDUCATION



*Guiding Québec's postsecondary institutions in making educational technology choices while promoting technopedagogical innovation*

## MESSAGE FROM THE COORDINATOR

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





## TECHNOLOGY WATCH

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

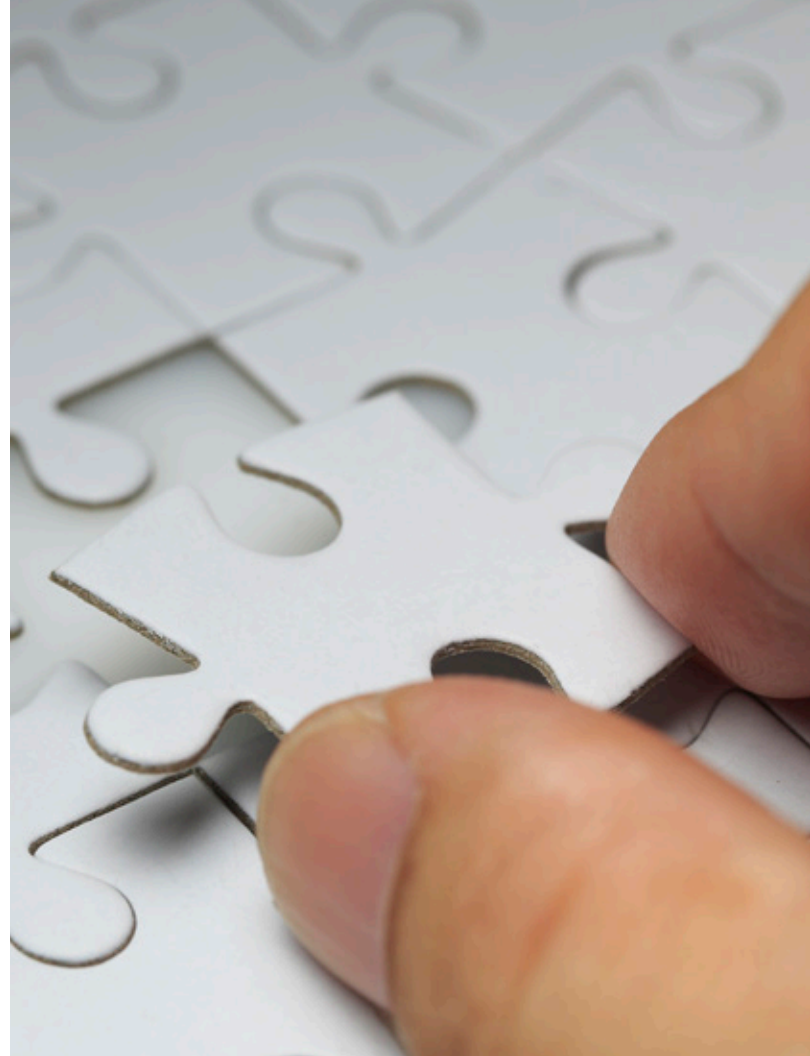
Avoiding dependence on unique providers based on proprietary solutions and ensuring data interoperability is key to achieving sustainable, responsible investment in the choice of technical solutions.

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.



**Conseil canadien des normes**  
**Standards Council of Canada**





## 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/>

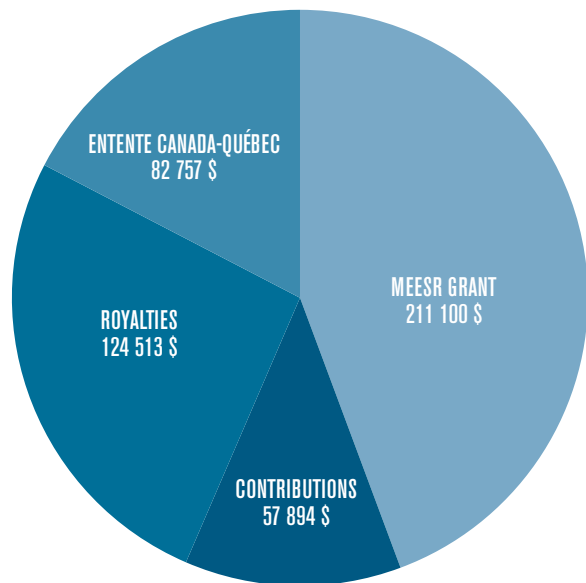
### IDEAL FOR DISTANCE EDUCATION

Most of the resources in CERES may be freely reused, creating considerable savings for the implementation of online courses!

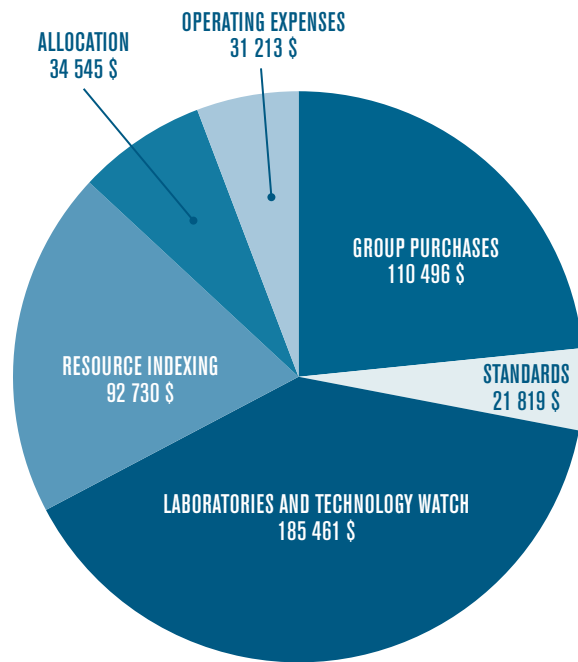


# FINANCIAL STATEMENT 2014-2015

At June 30, 2015



REVENUE 2014-2015



EXPENDITURES 2014-2015

## 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 Rivière-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 Lafleche  
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





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**Collège  
de Bois-de-Boulogne**

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