

**Super Expo-sciences Hydro-Québec, Quebec Final 2016
THOMAS RIBEIRO WON FIRST PLACE**

April 24th, 2016, Sorel-Tracy – Thomas Ribeiro, secondary 4 student at Laval Senior Academy was awarded the **Hydro-Québec First Prize**, the highest distinction available at the Super Expo-sciences Hydro-Québec, Quebec Final. He received a cash prize of 1 500 \$, a trophy, and a trip to James Bay.

SUPER-PLANT

How can we decrease the growing rates of global warming and meet the future needs in energy in a green and cost-effective manner? This is the question that Thomas Ribeiro, xx years, from the Laval Senior Academy, asked himself. The presentation of his project " SUPER PLANT " at the Super Expo-sciences Hydro-Québec, Québec Final 2016, seems to have convinced scientists who met him that he could very well do that: they granted him the highest honors, the *Hydro-Québec First Prize*.

Highlighted with a spectacular model, his proposal consists of a system for extracting the greenhouse gas found in the biomass wetlands found upstream of hydroelectric dams. These extracts, rich in methane and carbon dioxide, are used in a complex system involving the oxidation of methane, a Sabatier reaction and methanotrophic bacteria to produce energy in the form of electricity and heat while ultimately getting rid of methane and carbon dioxide. An innovative proposal that perfectly represents sustainable development principles.

In addition to the Hydro-Québec First Prize, Thomas was also awarded the following prizes:

- Participation à l'Expo-sciences internationale du MILSET au Brésil en août 2017
- Médaille d'or du Réseau CDLS-CLS, catégorie Intermédiaire - 500 \$
- Prix de l'Université Concordia - 4000 \$
- Prix d'ArcelorMittal - 500 \$

The hard work of many other participants was also rewarded at the award ceremony, where nearly 250 000 \$ en cash prizes, bursaries and participations in higher fairs, were handed out. In addition, 40 of these students were selected to make up the Quebec delegation for the Canada-Wide Science Fair, in Montral, from May 9 to 20 2016, sponsored by Merck Canada Inc. Three exhibitors were also selected to participate in MILSET International Science Fair in Brazil, in August 2017.

Partenaire présentateur



Un événement du :



A photo of the winners of the Super Expo-sciences Hydro-Québec, Quebec Final 2016, as well as a summary of their projects, is available at exposciences.qc.ca.

For more information about the Hydro-Québec Science Fair

For a preview of the projects that will be presented at Super Expo-sciences Hydro-Québec, Quebec Final, a detailed schedule of the event or to learn more about the Hydro-Québec Science Fairs, please visit exposciences.qc.ca. The Science Fair also on [Facebook](#) and [Twitter](#).

Thank you to the Science Fair's partners

The Super Expo-sciences Hydro-Québec is an event organized by the Réseau CDLS-CLS and made possible by the support of our presenting partner Hydro-Québec. This project is also financially supported by the Ministère de l'Économie, des sciences et de l'Innovation through the NovaScience program. Other national partners are: Merck Canada Inc. for the support of the experimentation side on the Science Fairs, the Alcoa Foundation, and our media partners La Presse + and BLD Publications (Les Explorateurs, Les Débrouillards et Curium).

Thank you to our Elite partner ArcelorMittal longs products, and our Distinction partner Autobus Intersco. Thank you also to our regional partners : M. Sylvain Rochon, député de Richelieu, Regroupement des commissions scolaires de la Montérégie, CIT Sorel-Varennes, Maxi de Sorel-Tracy, Eska, Gâteaux et tralala, Tim Hortons, and to our regional media partners: Les 2 Rives et La Voix.

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À propos de la Super Expo-sciences Hydro-Québec, finale québécoise :

La Super Expo-sciences Hydro-Québec, finale québécoise est la compétition scientifique qui réunit les 125 meilleurs projets scientifiques de la province. Les exposants qui y participent ont entre 12 et 20 ans. Ils présentent des projets d'expérimentation, de conception et de vulgarisation.

À propos du Réseau CDLS-CLS:

Le Réseau CDLS-CLS et les Conseils du loisir scientifique régionaux, sont présents partout au Québec et offre les programmes suivants : les Expo-sciences, les Défis technologiques, le Club des Débrouillards et Les Innovateurs à l'école. Le Réseau assure aussi la diffusion de plusieurs troupes pédagogiques en science pour le primaire et le secondaire.

À propos du programme NovaScience :

Ce programme vise à favoriser une plus grande compréhension de la science et de la technologie par les jeunes et le grand public, ainsi que le développement d'une relève dans ces domaines.

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