



APRIL 6-7, 2022 | CENTREXPO COGECO DRUMMONDVILLE

RNG FORUM 2022

Showguide



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Special Thanks

Word from Organizers

Welcome to the very first edition of the RNG Forum!

After two years of pandemic, we are very happy today to be able to welcome you all in person at the Centrexpo Cogeco in Drummondville, Quebec. We would like to thank our partners and sponsors for their long-lasting trust and support, dating back to the event's launch in November 2019.

This first edition will be an opportunity to learn more about the success of renewable natural gas (RNG) and its promising future in Quebec.

We are expecting over 50 exhibitors and more than 400 participants, including project developers, local farmers, government representatives, providers, consultants, engineering firms and many others.

The RNG Forum 2022 team wishes you a great visit!



RNG Forum Partners

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Silver Partners



Association Partners



Strategic Partners



Gold Partners



Other Partners



An innovative financial vehicle to stimulate
the renewable natural gas industry in Quebec

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Come and meet us at booth 502.



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PROUD TO BE A PART OF
THE INDUSTRY GROWTH

and be a strategic partner of

FORUMGNR



Schedule

Wednesday, April 6, 2022

8AM – 5:30PM	Conferences and Exhibition
7AM – 8AM	Welcoming Participants
8AM – 9:30AM	Opening Speeches
9:30AM – 10:30AM	Coffee Break
10:30AM – 12PM	First Sessions (A1 and B1)
12PM – 2PM	Lunch Break
2PM – 3:30PM	Second Sessions (A2 and B2)
3:30PM – 4PM	Coffee Break
4PM – 5:30PM	Third Sessions (A3 and B3)
5:30PM – 7PM	Networking Cocktails

Thursday, April 7, 2022

8 AM – 4:30PM	Conferences and Exhibition
8AM – 9:30AM	First Sessions (A1 and B1)
9:30AM – 10:30AM	Coffee Break
10:30AM – 12PM	Second Sessions (A2 and B2)
12PM – 2PM	Lunch Break
2PM – 3:30PM	Third Sessions (A3 and B3)
3:30PM – 4:30PM	Expo and End of Conferences



Renewable Natural Gas in Quebec

The RNG industry is expanding globally and represents a huge potential for GHG reduction, energy transition, and the effort against the climate change.

The North American industry represents about 100 RNG production sites and almost as many in design or construction. Various new policies, regulations, and incentives are the encouraging signs for the RNG market, but a lot of work remains to be done in order to develop a sustainable industry.

The RNG Forum 2022 is a step to enhance the sharing of knowledge and best practices in order to mobilize the industry.



Why Drummondville?

This city, situated at the center of the Province of Quebec, is a strategic location which makes it easier for promoters of agricultural, municipal and industrial projects to come discuss with industry stakeholders.



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About the Organizers



BiogasWorld is a global platform and network that generates business opportunities and provides market intelligence to accelerate the development of the biogas & RNG industry. BiogasWorld has more than 150 member companies and partners as well as a network of more than 4,000 professionals.



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ORGANIZERS REFERENCES



AMERICANA
Montreal – March 26, 2019



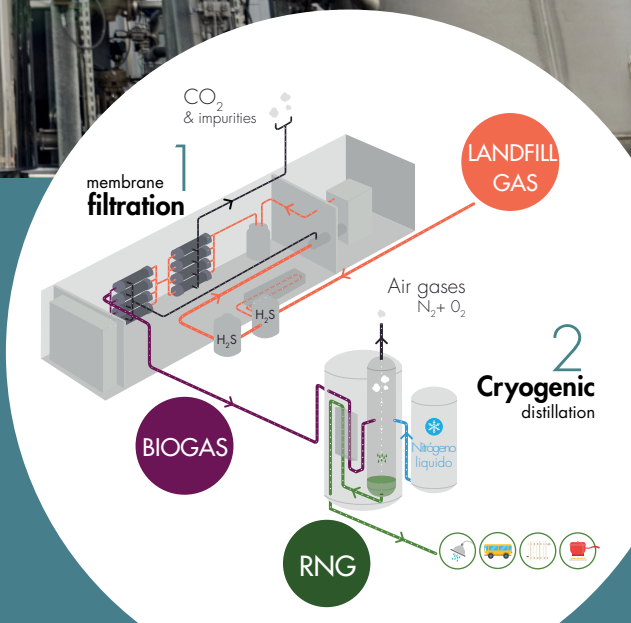
16e conférence Biogaz et Bioénergie
Saint-Hyacinthe – May 7, 2019



Salon des TEQ
Quebec City – March 2020

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- | Coupling **membrane filtration** and **cryogenic distillation**
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- | **Self-funding** project structure



OUR PROJECTS IN NORTH AMERICA

Saint-Etienne-des-Grès
(EnergyCycle)



Cowansville
(RIGMRBM)



Delavan, WI
(Air Liquide)



Bath, NY
(Steuben County)



Winnebago, IL
(Air Liquide)



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Exhibitors List

Booth	Exhibitor	Booth	Exhibitor
206	AB Energy Canada	601	GraniteFuel Engineering
904	Adicomp	407	Greenlane Biogas
704	anessa	201	H2Flow
200	Aquatech	404	Hibon
-	Canadian Gas Association	706	Hitachi Zosen Inova
600	Avensys Solutions	203	HoSt Bioenergy
701	Bauer Compressors	705	Integral Process Equipment
207	Bekon Energy Technologies	700	John Brooks
303	BiogasWorld	403	Keridis Bioenergy
202	Biogest	602	Laurentide Controls
118	Brault Maxtech	702	Méthalac
203	Bright Biomethane	606	MRU Instruments
605	Busch Vacuum Solutions	604	Netzsch Canada
128	Construction Aquabec	406	Paques
-	Desjardins	905	PIVO et Cité de l'innovation circulaire
126	Drycake	402	Pumpaction
302	Énergir	900	Pyro Green-Gas
901	Electrochaea Gmbh	405	Prodeval
503	EnviroCompétences	507	Qarbonex
-	Fasken	Terr.	Sodavex
120	Fitec Environmental Technologies	-	Terravest Renewables
130	FNX-Innov	100	Veolia Water Technologies
114	Fournier Industries Group	902	Vilter
122	Génitique	204	Waga Energy
502	GNR Québec Capital	101	Westech Industrial
132	Government of Quebec	400	Xebec



Scène

Scène



132 Gouv.
Qc



130

128

126



904	905	906
900	901	902

122

118

114

404	405	406	407
400		402	403



704	705	706
700	701	702

120

204		206	207
200	201	202	203

604	605	606
600	601	602

100

Entrée

101

A photograph of a woman with short blonde hair and a young girl with curly brown hair in a greenhouse. The woman, wearing an orange shirt, is holding a green plastic basket and looking at the girl. The girl, wearing a blue and white striped shirt under denim overalls, is smiling and holding a small raspberry plant. They are surrounded by rows of raspberry plants with green leaves and some ripe red raspberries. The greenhouse structure with its curved metal frame and translucent covering is visible in the background. Two green diagonal bars are overlaid on the image: one in the top left and another behind the girl's head.

Fighting climate change together

**Desjardins is launching
an ambitious action
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BEKON 
ENERGY TECHNOLOGIES INC.

Conferences and Panels

DAY 1 – Wednesday, April 6, 2022



8AM – 9:30AM



Conference Hall A



Welcome and Opening Speeches

RNG Forum organizers are expecting several high-profile keynote speakers to open the first RNG Forum and to share their vision for RNG development in Quebec and Canada.

Presenters

Moderator: Laurent Therrien, Syrrus

- *Organizers, Maxime Lemonde, President at BiogasWorld*
- *RNG in Quebec, Éric Lachance, CEO at Énergir*
- *RNG in Canada, Matt Hamilton, Head of Analysis and Studies, Waste Reduction and Management Division · Environment Canada*
- *Government of Quebec, Jonatan Julien, Minister of Energy and Natural Resources*



10:30AM – 12PM



Conference Hall A



Session A1. Shaping the RNG Market

This session will focus on the overview of Canadian RNG market, its challenges, and major drivers.

Presenters

Moderator: Raphaël Duquette, Energir

- *RNG's role in fighting against climate change in Quebec, Xavier Brosseau, Ministère de l'Énergie et des Ressources naturelles (MERN)*
- *RNG market and its challenges, Pierre-Olivier Pineau, HEC Montréal*
- *Legal challenges of RNG project development, Pierre-Olivier Charlebois and André Turmel, Fasken*

 10:30AM – 12PM  Conference Hall B



Session B1. Producing RNG from Biogas

Get the detailed information on RNG plant commissioning, operations and optimization.

Presenters

Moderator: Behrang Mansoornejad, Xebec

- *Biogas plant: Steps and key factors for a successful project*, **Stéphane Guay, Génitique**
- *Broadening Your Biogas Horizon with Specialized Software*, **Robert DiDiodato, anessa and Rick Corradini, Sou'wester Exploration and Technology**
- *Operating a biogas plant*, **Tom Ferencevic, Fitec**
- *Health & safety in operation*, **Sylvain Trépanier, SEMEC**

 2PM – 3:30PM  Conference Hall A



Session A2. RNG Case Studies

Learn about RNG projects that are currently producing and injecting RNG in Quebec.

Presenters

Moderator: Philippe Laurencelle, BEKON Energy Technologies

- *Best practices for reducing projects costs*, **Maxime Lemonde, BiogasWorld**
- *SEMECS: Municipal anaerobic digestion – Challenges and Successes*, **Martin Damphousse, Varennes Mayor**
- *CTBM : Industrial anaerobic digestion project*, **Benoit Paré, Centre de Traitement de la Biomasse de la Montérégie**
- *Coop Agri-énergie Warwick: agricultural anaerobic digestion*, **Josée Chicoine, Coop Agri-Énergie Warwick**

 2PM – 3:30PM  Conference Hall B



Session B2. RNG Production at Landfills

This session will cover the RNG production at landfills in Canada, available technologies and details of current operating projects.

Presenters

Moderator: Stéphane Gosselin, Triax

- *The potential and limits of social acceptability of landfill projects*, **Christine Duchaine, Sodavex**
- *Particularities of landfill biogas upgrading*, **Julie Flynn, Waga Energy**
- *Opportunities and challenges of biofuel production*, **Charles Tremblay, Sysgaz inc.**
- *Gas Desulfurization at a Landfill in Quebec*, **Martin Tielbaard, Paques**



4PM – 5:30PM



Conference Hall A



Session A3. Panel Discussion on Project Financing

RNG project financing may be a challenge and this panel will discuss the options available for new projects in Canada.

Presenters

- **G rard Mounier**, GNR Qu bec Capital
- **Cyrille N ron**, Desjardins
- **Am lie St-Laurent Samuel**, FAQDD
- **Fabrice Consalvo**, Investissement Qu bec

Moderator: Gabriel Durany, AQPER



4PM – 5:30PM



Conference Hall B



Session B3. Virtual Pipeline and RNG Transport

Discover what virtual pipeline is and what options are available to transport your RNG.

Presenters

- *Applications of Mobile Pipeline in the RNG business*, **Mark Babcock**, Hexagon Group
- *AgriGNV  and CN'Green- valorization of biogas in bioGNC*, **Patrice Gouin**, Prodeval
- *ABetter Way for Liquefaction and Compression Technologies for Bio-LNG*, **Emanuele Chiodi**, AB Energy

Moderator: Laurent Amram, Xebec

DAY 2 – Thursday, April 7, 2022

 8AM – 9:30AM

 Conference Hall A



Session A1. Natural Gas Pipeline, RNG Injection and RNG sales

Discover the opportunities offered by the RNG injection to natural gas pipelines in North American RNG market.

Presenters

Moderator: Jennifer Green, CBA

- *Quebec RNG: interconnection and major developments*, **Olivier Pineau, Énergir**
- *RNG's role in decarbonizing gas networks*, **Thomas Murray, Vermont Gas**
- *Creating Value from RNG*, **Faizal Hassan, Element Markets**
- *Overview of the North American Market*, **Vincent Morales, RNG Coalition**

 8AM – 9:30AM

 Conference Hall B



Session B1. Valorisation of End-Products of Anaerobic Digestion

Explore the options to treat and valorize the AD end products, including the treatment of water, biogas, digestate, etc.

Presenters

Moderator: Jeanne Charbonneau, CNETE

- *Digestate treatment*, **Scott McKay et Mathieu Ouellette, Fournier Industries**
- *APTUNION – Digestion of industrial effluent and biomethane injection*, **Marie ESTEVE, Veolia**
- *Presentation title to be confirmed*, **Laurent Amram, Xebec**
- *Presentation title to be confirmed*, **Philippe Muesser, John Cockerill**

 10:30AM – 12PM

 Conference Hall A



Session A2. Digestate Management and Valorization

Digestate is the resources that can be valorized – learn more about the opportunities this end product of anaerobic digestion is bringing.

Presenters

Moderator: Clément Bekaert, Énergir

- *Agricultural Recycling of Digestates 101: Opportunities, Challenges and Traps to avoid*, **Marc Hebert**
- *Innovations in treatment and valorization of digestate*, **Lotfi Khiari, Université Laval**
- *Effect of Nutrient Recovery and Digestate Volume Reduction on AD Plant Economics*, **Niloofer Abdehagh, CH Four Biogas Inc.**



10:30AM – 12PM



Conference Hall B



Session B2. Power-to-gas

Learn more about the developments in Power-to-gas market in Europe and opportunities in Canada.

Presenters

Moderator: Pierre Carabin, APCAS

- Overview of projects in Europe, **Jachin Gorre, Grinix**
- Pilot reactor for the catalytic CO₂ methanation for the Power-to-Gas process (McGill-Xebee), **Jan Kopyscinski, Université McGill**
- Feasibility of Power-to-Gas projects in Quebec, **Arianne Bhéret-Breton, Electrochaea**
- Presentation title to be confirmed, **Ricardo Hamdan, Hitachi Zosen Inova**



2PM – 3:30PM



Conference Hall A



Session A3. Farm-based Anaerobic Digestion and Social Acceptability

Learn more about opportunities and challenges of RNG developments at farms and social acceptability of such projects

Presenters

Moderator Gérard Mounier, GNR Québec Capital

- Challenges of agricultural biogas **Chantal Foulds, Union des producteurs agricoles (UPA)**
- Positive spin-offs from biogas in agriculture, **Jean-Yves Gardoni, Keridis Bioenergy**
- Biogas in Quebec farms: Challenges and opportunities, **Philippe Laurencelle, BEKON Energy Technologies**
- More than social acceptability, developing local support for the biogas sector!, **Kim Cornelissen, Coop Carbone**



2PM – 3:30PM



Conference Hall B



Session B3. Gasification, Pyrolysis and Hydrogen

With new technologies rapidly developing, this session will present the opportunities they bring to the Canadian market.

Presenters

Moderator Pierre Carabin, APCAS

- High Temperature Pyrolysis: RNG, Green Hydrogen and Biochar from 1st and 2nd Generation Biomass Sectors, **Andrew White, CharTech**
- Green hydrogen and renewable natural gas from waste in a circular economy, **Marc Bacon, OMNI Conversion Technologies**

Special Thanks

Finally, we would like to thank all of our sponsors and partners, without whom none of this would have been possible. Thanks to their support, we are able today to offer diversified conferences with industry experts and stakeholders.

We also wish to highlight the work of our organizing partners: Véronique, Caroline and Michel from D.E.E. Global.

We would like to thank all members of the BiogasWorld team: Natalia, Alexandre, Ryan, Robert, Ghiles, Ellis, Karine, Jasmin and, of course, Maxime, the man behind the RNG Forum!

Since this a first experience for us, do not hesitate to share your comments or suggestions with us regarding the event. We are looking forward to seeing you next year at the second edition of the RNG Forum in 2023!

The RNG Forum 2022 team



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