

## Opportunities in the Ontario Forest Bioeconomy - Visit and Study Tour

The Biomass Innovation Centre will be leading a tour of Northern European industry leaders, academia and researchers, equipment manufacturers and bioenergy systems providers on a trade mission and tour throughout northern Ontario – including stops in Sault Ste. Marie, Wawa, Marathon and Thunder Bay. The sectors of interest among this delegation are primarily in forestry/biomass and bioenergy.

In each of the corresponding stops on the tour, we are hoping to set up B2B meetings with community leaders, regional economic developers, equipment manufacturers, forest harvesters, SFL holders, manufacturers, academia/researchers and/or First Nations, to explore potential business and research opportunities between northern Ontario groups and with the members of this delegation

Below is a brief description of this trade mission's delegation members.

### Economic Development, Consulting, Logistics

Mr. Matti Kymenvaara – Spinverse Ltd. - (**Head of Delegation**) - ([www.spinverse.com](http://www.spinverse.com))

- Leader in technology consulting specialized in innovation and commercializing emerging technologies
- Help to grow business through Open Innovation Ecosystems, Business Acceleration and Management Consulting

Mr. Seppo Vihersaari – Canadian embassy in Finland

- Canadian trade commissioner to Finland

Mr. Ari Elo, Finpro Canada – ([www.finpro.fi](http://www.finpro.fi))

- Finpro helps Finnish SMEs go international, encourages foreign direct investment in Finland and promotes tourism
- Finpro manages major national projects including Cleantech Finland, Future Learning Finland and FinlandCare. Finpro is Export Finland, Visit Finland, Invest in Finland, and is a part of the Team Finland network

Mr. Jouko Parviainen - Joensuu region development center- (<http://www.josek.fi/eng/>)

- The Joensuu region is a globally networked growth centre (ie. Incubator)
- Their business consulting services assists enterprises and organisations seeking to locate in the Joensuu region.
- Focus on science and commercialization

Mr. Asko Ojaniemi – Benet Ltd.- (<http://www.benet.fi/Home>)

- Offers bioenergy expert services for every step in the bioenergy production chain, ranging from biomass fuel potential studies and initial feasibility studies all the way to planning heat and electricity production and investment implementation.
- Strategy and business development; Fuel supply management; Technical and economical evaluation; Engineering; Training professionals for fuel supply and plant management; Project development and coordination; Energy efficiency services
- Supply chain logistics – looking for opportunities to sell their services

### Academia and Research

Dr. Lauri Sikanen - Finnish forest research institute- (<http://www.metla.fi/index-en.html>)

- Heat entrepreneurship and business activity based on forests
- A forest economy and forest environment-based knowledge pool

Mr. Matti Virkkunen - Technical Research Centre of Finland- (<http://www.vtt.fi/?lang=en>)

- VTT Technical Research Centre of Finland is the biggest multitechnological applied research organisation in Northern Europe
- Provides high-end technology solutions and innovation services
- Looking for research collaborations

Mr. Timo Tahvanainen - Joensuu science park -(<http://www.carelian.fi/frontpage>)

- Develops business life in and around Joensuu by offering high-quality facility services and business development services to support company growth.
- More than 120 companies, a university and university of applied sciences
- Focus on applied research

Mr. Pekka Peura - University of Vaasa- (<http://vei.fi/content/en/11501/10/10.html>)

- The function of Vaasa Energy Institute is to offer energy research, consultancy and supplementary training services to energy actors at local, domestic and international levels. The know-how of the Energy Institute combines business and technical expertise in a unique manner.
- Founded by the University of Vaasa Faculty of Business Studies, Faculty of Technology and Levón Institute together with the Vaasan ammattikorkeakoulu, University of Applied Sciences and Yrkeshögskolan Novia, University of Applied Sciences.

Ms. Maria Ivarsson Wide - Skogforsk (Sweden)- (<http://www.skogforsk.se/en/Research/>)

- Skogforsk (the Forestry Research Institute of Sweden) is the central research body for the Swedish forestry sector
- Goal is to provide Swedish forestry with knowledge, services and products that contributes to a profitable and sustainable forestry. The demand-driven applied research includes a wide variety of fields, such as forest technology, raw-material utilization, environmental impact and conservation, forest tree breeding, logistics, forest bioenergy and silviculture
- Similar to FP Innovations – supply chain consulting

## **Bioenergy Systems and Applications**

Mr. Jarno Haapakoski – Volter- (<http://volter.fi/en/page/2>)

- Innovators and pioneers in the development of wood gasification technology.

Mr. Topi Tulkki - Säätotuli -[http://www.saatotuli.fi/tmp\\_saatotuli2010\\_site\\_1.asp?sua=2&lang=3&s=170](http://www.saatotuli.fi/tmp_saatotuli2010_site_1.asp?sua=2&lang=3&s=170)

- Säätotuli Oy manufactures solid fuel central heating systems; designs and markets bio burner systems

Mr. Teemu Koskinen – KPAUnicon- (<http://kpaunicon.fi/en/home>)

- Specialized in customized and modularized boiler plant projects.; utilizes biomass fuels as well as fossil fuels in efficient way. Deliver projects as turnkey basis or as process delivery depending on customers need.
- KPA Unicon Service team offers all kind of support during the lifecycle of the plant starting from spare parts.
- Community scale bioenergy development

Mr. Matti Tulkki - Renewa (<http://www.renewa.fi/en/>)

- Renewa offers advanced combustion solutions for energy production using biofuels in heat and power plants

- Deliver customized boiler plants for environmentally friendly energy production as well as maintenance and lifecycle services.

## Harvesting Equipment

Mr. Mika Tahvanainen/ Mr. Tapio Ingervo - Kesla - (<http://www.kesla.fi/en/home>)

- Kesla is a manufacturing corporation specializing in the design, marketing and manufacture of forest technology - from stump to mill.
- KESLA product line consists of conventional timber truck cranes, forest machine cranes, industrial and recycling cranes, loaders and logging trailers, wood chippers, harvester heads, stroke de-limiters and stroke processors. Wide portfolio of KESLA products for CTL, tree-length and energy wood operations.

Mr. Dan Fuhrer & Mr. Jason Denise - Ponsse - (<http://www.ponsse.com/>)

- Ponsse is one of the world's leading manufacturers of forest machines for the cut-to-length method
- In the cut-to-length method, tree trunks are cut to lengths in the forest to suit their intended use. At the same time, the information systems inform the end users of the types and quantities of timber they will next receive from the forest. All this wirelessly, even in real time.

Mr. Juha Korhonen - Pentin Paja - (<http://www.pentinpaja.fi/en/front+page/>)

- Company is specialised in developing and manufacturing of machinery and equipment for small wood handling. They also provide servicing, installation and maintenance services for industrial facilities.

Mr. Matti Tulkki - Saalasti - (<http://www.saalasti.fi/>)

- Saalasti is a recognized expert in the manufacture of innovative heavy-duty bioenergy machinery. Their main products are different types of stationary forest-based biomass chippers, crushers, cutters and barkdewatering presses. In addition we deliver entire biomass processing stations.

## Additional Members

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