



BC SMART Low Carbon Fuels Consortium



**BC Bioenergy
Network**

PARTNERING FOR
A GREENER FUTURE



IEA Bioenergy
Technology Collaboration Programme

Task 39
IEA Bioenergy



Decarbonising the trucking sector using low carbon intensive fuels

**BC SMART Consortium/IEA Bioenergy Task 39
Panel Discussion**

Monday, 22nd November 2021

8:30-10:00 PST (17:30-19:00 CET)



BC SMART Low Carbon Fuels Consortium

- **Overall Objective:** Facilitating the decarbonisation of the long-distance transport sector in BC
- **Coalition-of-the-willing** of industry, BC government and academic stakeholders
- **Co-chaired** by senior government and industry representatives, supported by the BC-SMART secretariat
- **Software Task Force:** Build on and further develop **the policies and regulatory measures** that encourage production and use of sustainable feedstocks and low-carbon intensive fuels (Government Lead)
- **Hardware Task Force:** Leverage **the supply chain and infrastructure** to support the production and use of sustainable feedstocks and low-carbon intensive fuels (Industry Lead)



Some of the Consortium Members



BC SMART's recent activities

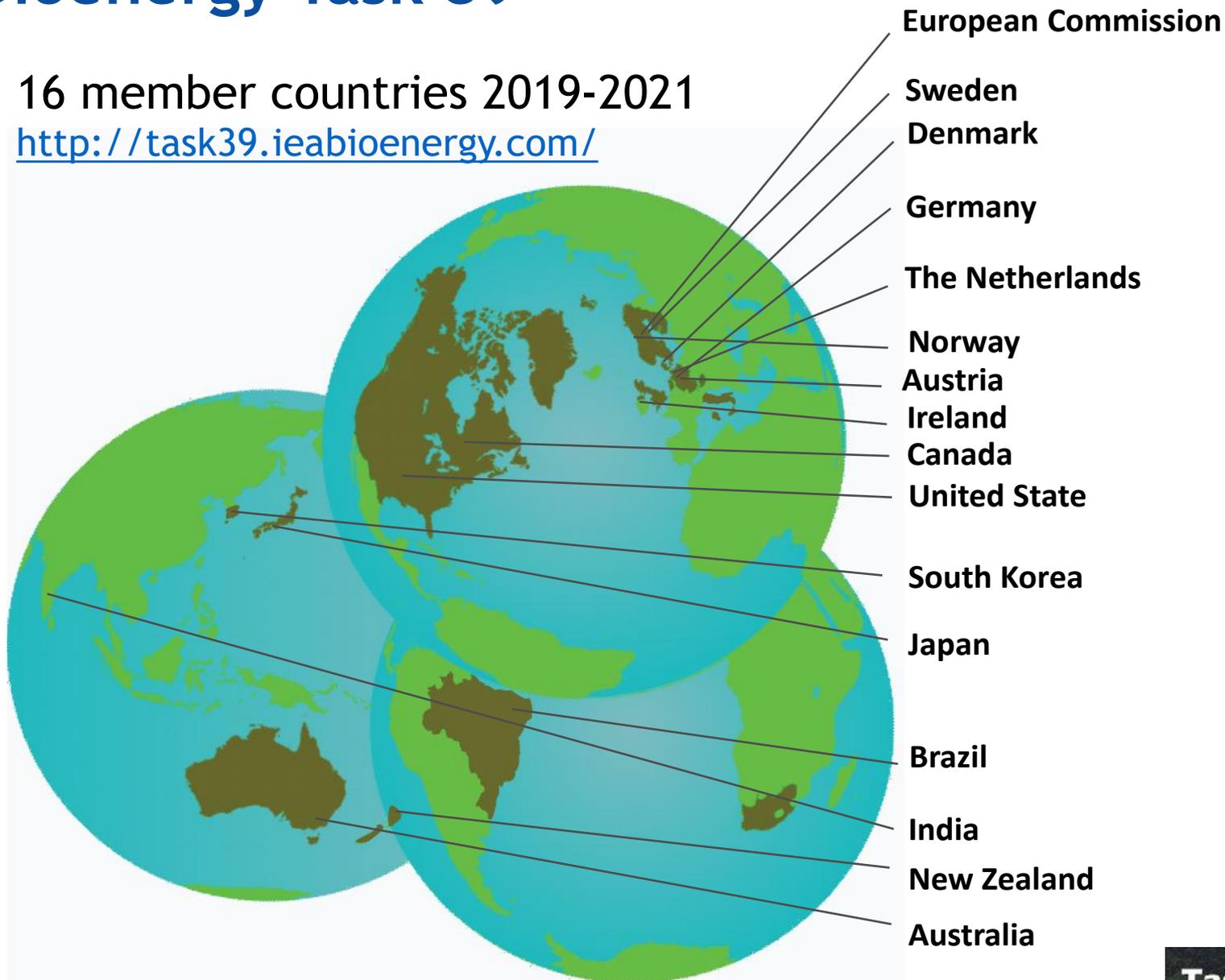
- **Report:** How might we achieve the CleanBC goal of producing 650 million liters of biofuels by 2030: **Focus on Feedstock**
- **Report:** The potential to produce 650 million litres of low-carbon intensive fuels (LCIF) **via a co-processing approach** at BC's oil refineries using oleochemicals/lipid feedstocks
- **Report:** Progress in Commercialization of **Biojet/Sustainable Aviation Fuels (SAF):** Technologies, potential and challenges (jointly with IEA Bioenergy Task 39)
- **Report:** The potential to **decarbonise BC/Canada's marine sector**
- **In Progress:** The potential to **decarbonise rail** using low-carbon intensive fuels, particularly drop-in biofuels
- **In Progress:** Workshop (jointly with C-SAF) on "**Progress in SAF/Biojet production and use**", 23, February 2022



IEA Bioenergy Task 39

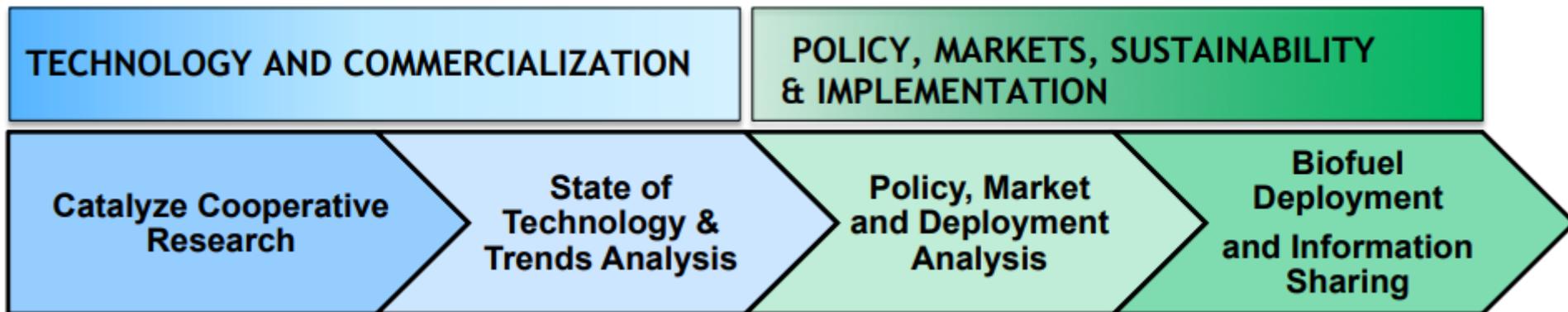
16 member countries 2019-2021

<http://task39.ieabioenergy.com/>



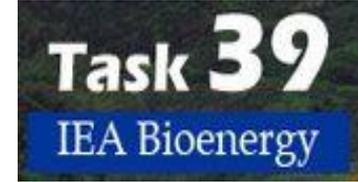
IEA Bioenergy Task 39

- “To facilitate commercialization of **conventional and advanced transport biofuels**”
- Collaboration between **16 member countries**
- Analyze **policy, technology and markets** and sustainable biofuel implementation
 - Focus on **Technical and Policy** issues
 - Catalyze cooperative research and development
 - Disseminate information & outreach with / to engage stakeholders





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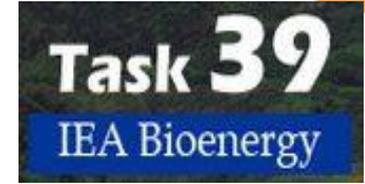


Housekeeping

- All of the participants will be muted to avoid any possible background noises.
- The meeting is being recorded and a copy of the recording will be posted on IEA Bioenergy Task 39 and BC SMART websites.
- Please type your questions into the Q&A box. We will try to answer as many questions as possible.



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Moderator



David Schick,
Vice President of the Canadian Fuels Association

Dave's role at the Canadian Fuels Association includes Western Canada, Innovation and Regulatory Affairs. He works on the development of policy and regulation at the federal, provincial and local levels. Dave has worked in the downstream energy business for over 30 years. Prior to joining the CFA, he worked at Parkland and Chevron in a wide variety of roles, including managing Policy, Government and Public Affairs for the Burnaby Refinery, marketing, systems development, planning and finance roles.



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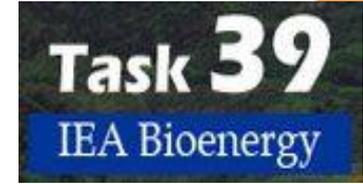
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Pierpaolo Cazzola

Advisor– Energy, technology and environmental sustainability, International Transport Forum (ITF)

Pierpaolo advises the ITF on issues related with energy, technology and environmental sustainability. His work focuses in particular on ITF's Decarbonising Transport Initiative. Prior to this, he spent almost 20 years working at the intersection of transport, energy and environmental sustainability for IEA, the Clean Energy Ministerial, the World Forum for the Harmonization of Vehicle Regulations of the United Nations, the Institute of Prospective Technological Studies of the Joint Research Centre of the European Commission and the Environment Directorate of the Organisation for Economic Cooperation and Development.



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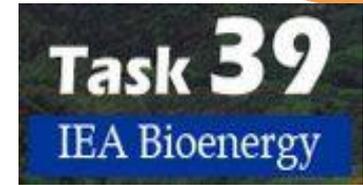
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Evan Dacey

Fleet Strategy and Asset Management, the City of Vancouver

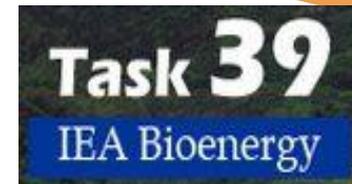
Evan is the manager of Fleet Strategy and Asset Management at the City of Vancouver. His team is responsible for long range fleet planning, strategic fleet projects, and the procurement of \$25 million a year in vehicles and equipment for the City. Additionally, he manages the City's Green Fleet Plan which has a goal of a 60% emissions reduction below 2007 levels by 2030."



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Neville Fernandes
Vice President, Corporate Affairs and Development for
Renewable Energy Group, Inc.

Neville has more 25+ years of experience in the renewable fuels, petroleum and chemical industries in a variety of roles including business development, sales, marketing, EHS and process engineering. In his current position at REG, he provides strategic thought leadership regarding public policy and leads early stages of strategic business development opportunities while working closely with the business development and strategy teams within the organization. Prior to REG, Neville held various managerial roles at Neste, including General Manager and President of Neste US, Inc., where he led the business development and sales and marketing teams.



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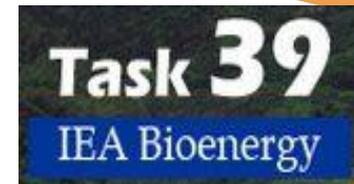
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Don V. O'Connor
President, (S&T)² Consultants Inc.

Don is a mechanical engineer with a broad background in energy and environmental consulting and in industry. His background includes over 40 years of consulting, manufacturing, and marketing experience, mostly related to transportation fuels. He is the developer of the GHGenius LCA model for transportation fuels. The model is widely used in Canada, the United States and other parts of the world. He has seven patents related to biofuels and food ingredients and has been an author of seven peer reviewed papers.