



ADVANCED BIOFUELS

17-19 SEPTEMBER 2019, STOCKHOLM, SWEDEN

WELCOME TO THE INTERNATIONAL
ADVANCED BIOFUELS CONFERENCE

EUROPE IS READY FOR ADVANCED BIOFUELS!

Elite Hotel Marina Tower, Stockholm, Sweden

FINAL PROGRAMME INSIDE

ORGANISED BY: **SVEBIO**

WELCOME TO THE ADVANCED BIOFUELS CONFERENCE IN STOCKHOLM!

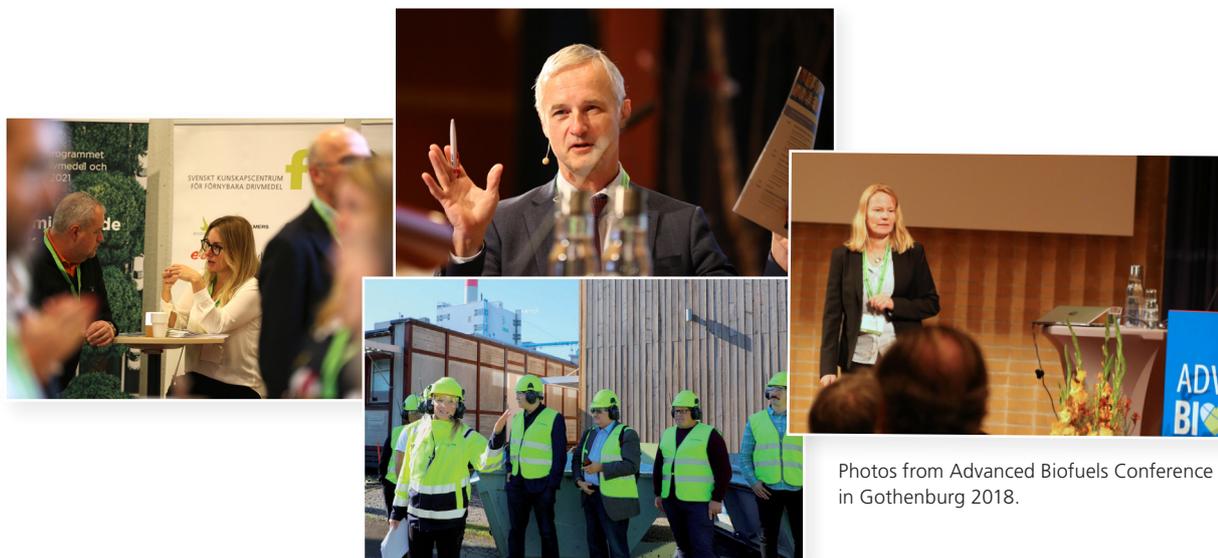
The Swedish Bioenergy Association (SVEBIO) heartily welcomes participants across the globe to the beautiful city of Stockholm to attend our 5th Advanced Biofuels Conference on 17–19 September, 2019. Pre-conference study visits will be followed by two full conference days with seven sessions covering all land, aviation and maritime transport sectors, a workshop and a conference dinner cruise.

Advanced biofuels for Europe are key for reducing emissions in the national transport sectors. We have seen commercial breakthroughs in technologies, new policy measures adopted and changing business models, all which of are no longer on the horizon. This year, we invite you to participate in latest European policy, energy system transition to renewable fuels, partnerships, world class R&D and new technologies – with all the leading companies presented. More and more vehicles are certified with HVO100, to complement today's selection of bio-CNG, E85, ED95, B100 as well as conventional fossil fuels blended with biofuels.

The conference will bring you an update on the value of advanced biofuels and business opportunities in the new bioeconomy. You will get leading international experts, unique networking, interesting study visits and a workshop on biofuels policy and biobased jet fuels. The Advanced Biofuels Conference is intended for people creating a sustainable transport sector. Speakers and delegates will be policy makers and politicians, leading scientists, researchers, engineers, as well as executives and representatives from companies and organisations.

For more information, please contact:

Mr Tomas Ekbohm, Conference Director, +46-8-441 70 83, tomas.ekbohm@svebio.se



Photos from Advanced Biofuels Conference in Gothenburg 2018.

Stay updated on: ADVANCEDBIOFUELSCONFERENCE.ORG

TWITTER

Please feel free to tweet and share during the conference and activities! #abcbiofuels
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PRE-CONFERENCE STUDY VISITS, Tuesday 17 September

– Register today, limited seats available for the pre-conference study visits (free) for conference delegates on 17 September. The study tour will take you to:

» HENRIKSDAL BIOGAS PRODUCTION PLANT

The Henriksdal Biogas Production plant is one of the largest in all of the Nordic's and was inaugurated in 2016. The plant has a capacity to produce up to 200 GWh or 20 million Nm³ of upgraded biogas, bio-CNG as vehicle biofuel to 280 buses in Stockholm City, and for the local gas grid. Sewage sludge from a wastewater treatment plant is used as raw material as well as fats from food industry and glycerol from biodiesel production.

The raw biogas is upgraded with Carbotech process technology. The biogas production and upgrade is done in a cooperation between Stockholm Water and Scandinavian Biogas. Currently, a new large tunnel for sewage water and new water treatment plant are to be started construction with total cost of €900 million which will increase the plant capacity significantly.

The tour comprises the anaerobic digestion chambers with process control room and the upgrading plant with gas storages next to the bus terminal where the filling takes place. The plant is located underground and the view from the roof gives an extraordinary view of Stockholm where all of the city can be seen from “above”.



REGISTER NOW!



Photo: RISE

» RISE SPF

RISE Surface, Process and Formulation (RISE SPF) is a unit within RISE –Research Institutes of Sweden, focusing on chemical process- and pharmaceutical development, surface technology and formulation. As a partner with industry and academic research groups RISE conduct projects from idea to proof of concept for commercial application. RISE SPF's main business areas are within Life Science, Specialty & Fine Chemicals, Bioeconomy and Surface technology. Our activities span from lab scale R&D to concept testing in pilot scale.

During the guided tour you will learn more about selected areas of expertise and see our innovation infrastructure with state of the art research laboratories. A special focus will be on our flexible laboratories for developing, optimizing and testing of for instance new renewable transport fuel manufacturing processes. In these facilities we use miniaturized refinery equipment for developing and optimizing new facile processes for converting lignocellulosic and other feedstocks to renewable transport fuels and chemicals together with industry.

Please note, the tour is subject to change. Confirmed program will be released before the conference starts. Registration is required.

WHAT TO EXPECT

The conference offers three days with more than 170 decision-making attendees from the entire value chain: feedstock to consumer brands via policy, technology, finance and innovation. It's a one-stop-shop to meet new partners from across the entire advanced biofuels sector, at one time in one place. Seven sessions will comprise the conference with the following topics:

1. POLITICAL STRATEGIES AND VISIONS – HOW TO REDUCE TRANSPORT EMISSIONS AND DEPENDENCY ON FOSSIL FUELS

There are many options to create policies for reducing fossil fuels, be it reduction quota or volume quota mandates or carbon pricing and taxation with tax exemption. However, there have been different and sometimes conflicting effects – what works, what does not work and why?

2. ADVANCED BIOFUELS FOR EUROPE – PARTNERSHIPS AND CHALLENGES FOR BUSINESS OPPORTUNITIES

The last 18 months have seen a surge of investment announcements into advanced biofuels. The Nordic forest industry has been a major driver but also European agriculture, as well as urban green waste and wastewater treatment plants. Will the road bend or continue straight-on?

3. POLICY AND INDUSTRY PERSPECTIVES – POSSIBILITIES AND COMMERCIALISATION

Find out what is behind the new surge in investments – have investors found new confidence in advanced biofuel policies and policymakers or are there other factors such as disruptive technologies that change the game?

4. FUTURE FOR ROAD TRANSPORT – WHERE ARE WE HEADING?

Some argue that E-mobility (electric) is the only way to replace fossil fuels, with proposals for bans on diesel and gasoline internal combustion engines (ICE). Others are pushing for G-mobility (power to gas with hydrogen). However, ICE's will be around for decades to come not just in road vehicles. B-mobility (biofuels) is also the only option that works in all existing engines right now.

5. CLEAN BIOFUELS – THE BRIDGE TO FOSSIL FREE TRANSPORT

There is a strong trend for cleaner emissions where both electric transport and biofuels are now expanding in heavy-duty vehicles and working machinery. Clean bio-fuels such as 100% FAME, HVO100, E85 and ED95 and 100% CBG biogas are available today. The bridge can only be constructed from both ends. But how shall this bridge develop?

6. BIOFUELS IN AVIATION AND MARINE TRANSPORT – WE ARE FLYING AND SAILING GREEN

The International Civil Aviation Organisation (ICAO), the IATA and the International Maritime Organisation (IMO) have targets to reduce their CO₂ emissions by at least 50 percent by 2050 compared to 2005 and 2008, respectively. The challenge for aviation is production and cost for biojet. Though shipping has a range of options. How can these be combined?



Photos from Advanced Biofuels Conference 2018.



CONFERENCE PROGRAMME, Wednesday 18 September

08.00 REGISTRATION OPENS

Elite Hotel Marina Tower, Saltsjöqvarns kaj 25, Stockholm, Sweden

09.00 POLITICAL STRATEGIES AND VISIONS – HOW TO REDUCE TRANSPORT EMISSIONS AND DEPENDENCY ON FOSSIL FUELS – PART 1

Chair person: Johanna Mossberg, Focus Area Manager
– Fossil Free Transport at RISE Research Institutes of Sweden

Opening address, Gustav Melin, CEO, SVEBIO, Sweden

The green road to a fossil free transport sector

Svante Axelsson, General Director, Fossil-free Sweden

Biofuels – The fastest way to cleaner transport

Henrik Henriksson, President and CEO, Scania, Sweden

Sustainable bioenergy in Latin America and Africa

Glauca Mendes Souza, Professor / President of the FAPESP Bioenergy
Research Program BIOEN, Universidade de Sao Paulo, Brazil

From Paris to Practice – How to scale up the advanced biofuels industry

Panu Routasalo, Vice President, UPM, Finland

10.30 COFFEE AND TEA WITH NETWORKING

11.00 POLITICAL STRATEGIES & VISIONS – HOW TO REDUCE TRANSPORT EMISSIONS AND DEPENDENCY ON FOSSIL FUELS – PART 2

Great potential for ethanol production and consumption in Europe 2030

Alarik Sandrup, President of ePURE - European Renewable Ethanol /
Director Public and Regulatory Affairs, Lantmännen, Sweden

Taking waste based biofuels from niche to mainstream

Emanuele Fratantuono, Biofuel Trader, Renewable Energy Group, The Netherlands

The road to fossil-free transport with DHL

Ulf Hammarberg, Business Process Management / Environmental Affairs, DHL, Sweden

General Panel discussion 1

12.30 LUNCH AND NETWORKING



Johanna Mossberg.

Photo: Cecil Jensen, Bildupptaget

Please note that the programme is subject to change.

THE PROGRAMME CONTINUES »

Johanna Mossberg, conference chair person
and Focus Area Manager – Fossil Free
Transport at RISE Research Institutes of Sweden:

**”AT ADVANCED BIOFUELS
WE MEET THE PIONEERS
AND THE INDUSTRY THAT IS
SPEARHEADING THIS VERY
EXCITING DEVELOPMENT.”**



Gustav Melin



Svante Axelsson



Henrik Henriksson



Panu Routasalo



Glauca Mendes Souza



Alarik Sandrup



Emanuele Fratantuono



Ulf Hammarberg



Karin Varverud

Katarina Kolar

Mikala Grubb

Jonas Vinblad von Walter

Judit Sandquist

Sofia Winternell

Andreas Teir

Gloria Gaupmann

Steve Rogers

Jack Saddler

James D. McMillan

Anna Soltorp

CONT. CONFERENCE PROGRAMME,

Wednesday 18 September

13.30 **ADVANCED BIOFUELS FOR EUROPE – PARTNERSHIPS AND CHALLENGES FOR BUSINESS OPPORTUNITIES**

Aviation in Norway: How to fly on biojet in 2020 and beyond

Judit Sandquist, Research scientist, SINTEF Energy Research, Norway

Biofuels and bio-based chemicals – Opportunities from similarities and differences

René Backes, Business Development Specialist Renewables, BASF, Germany

The forest industry – An essential player for mitigating climate change

Katarina Kolar, Sustainability Director, SCA, Sweden

HydroFlex™ – The solution to production of renewable jet fuel and diesel

Mikala Grubb, Senior Business Development Manager, Haldor Topsoe, Denmark

14.50 **COFFEE AND TEA WITH NETWORKING**

15.20 **POLICY AND INDUSTRY PERSPECTIVES – POSSIBILITIES AND COMMERCIALIZATION**

Roll out of the pyrolysis technology throughout Europe

Gerhard Muggen, CEO, BTG-BTL, The Netherlands

100% change! – in fuel and mind

Karin Varverud, Founder and Part-owner, Energifabriken / Ecobränsle, Sweden

Sunliquid – Bringing cellulosic ethanol to scale

Dr. Gloria Gaupmann, Head of Public Affairs, Technology & Innovation, Clariant, Germany

General Panel discussion 2

16.45 **END OF DAY 1**

18.30 **CONFERENCE DINNER CRUISE**

Join us for a spectacular evening dinner cruise and enjoy a fantastic dinner while passing several cobs and islands around Stockholm.

Please note that registration is mandatory.



CONFERENCE PROGRAMME, Thursday 19 September

08.00 REGISTRATION OPENS

09.00 FUTURE FOR ROAD TRANSPORT – WHERE ARE WE HEADING?

Chair person: Tomas Ekblom, Conference Director, SVEBIO, Sweden

Where are all the Advanced Biofuels going to come from?

Steve Rogers, Business Development Manager, Licella, Australia

Advanced bioethanol, today and tomorrow's solutions for sustainable transports

Sofia Winternell, Business Development Manager, Sekab Biofuels & Chemicals, Sweden

Time to act faster and bolder – to stop climate change

Andreas Teir, Vice President, Sales Nordics | Renewable Road Transportation, Neste Corporation, Finland

Expanding business from tall oil to tall diesel and high-value bioproducts

Jonas Vinblad von Walter, Production Manager, SunPine, Sweden

10.20 COFFEE AND TEA WITH NETWORKING

10.50 CLEAN BIOFUELS – THE BRIDGE TO FOSSIL FREE TRANSPORT

Cutting costs with synthetic biofuels – Commercialization pathway to markets

Ilkka Hannula, Senior Scientist and Principal Investigator, VTT, Finland

Commercialization of biofuels at IEA Bioenergy TCP Task 39

Jack Saddler, Professor, University of British Columbia, Canada

Developing biofuels in USA

James D. McMillan, Chief Engineer, NREL, USA

Sudden impact – The need and importance of biofuels with global warming and climate change

Tomas Ekblom, Program Director, SVEBIO, Sweden

12.10 LUNCH AND NETWORKING

13.30 BIOFUELS IN AVIATION AND MARINE TRANSPORT – WE ARE FLYING AND SAILING GREEN

Chair person: Johanna Mossberg, RISE Research Institutes of Sweden

Biojet demonstration in Piteå – Industrial scale-up for commercialization

Anna Soltorp, Head of Sustainability, BRA - Braathens Regional Airlines, Sweden

World's largest LBG plant, for road and maritime

Marianne Langvik, Commercial and Finance Manager, Biokraft, Norway

Reaching zero net emission by 2050 – A maritime perspective

Anne Sophie Vinther Hansen, Senior Innovation Project Manager, A.P. Møller-Maersk, Denmark

Closing remarks, Tomas Ekblom, Program Director, SVEBIO, Sweden

14.40 COFFEE WITH NETWORKING



Marianne Langvik



Anne Sophie Vinther Hansen



Gerhard Muggen



René Backes



Ilkka Hannula



Tomas Ekblom

WORKSHOP, Thursday 19 september

HOW TO ACCELERATE COMMERCIALIZATION OF BIOREFINERIES FOR LARGE SCALE BIOFUEL PRODUCTION?

– The role of the financial sector and good examples from industry

We invite you to participate in a workshop arranged in collaboration with, RISE, ETIP Bioenergy and the project ETIP Bioenergy SABS II. The workshop is open for all conference delegates but registration is required.

When: 09.00-12.00, Thursday, 19 September

Programme:

1. Introduction to the challenges ahead regarding large scale mobilization of capital for upscaling and deployment of Biorefinery technologies

Patrik Klintbom, chair ETIP Bioenergy

2. The perspective if the financial sector.

Presentations and discussions with the workshop participants with focus on challenges and prerequisites for large scale capital investments in new sustainable technologies, strategies for de-risking of such investments. Innovative funding schemes etc. How does different financial actors work with financing of this type of investments, are there special conditions associated with investments in biorefinery technologies and what can we learn from other areas?

- **Amelie Nordin**, Sustainable Finance Manager, Large Corporations and Institutions, responsible for sustainable finance offering and advisory, Swedbank
- **Patrik Marckert**, Senior Manager, Nordic Investment Bank
- **Lars Waldheim**, Waldheim Consulting (the perspective of the Innovation Fund)

3. Good examples from industry and development projects.

Presentations and discussions with the workshop participants with focus on the good examples and discussion about challenges encountered by the industry when scaling up biorefinery technologies. Which are these challenges and how can they be overcome? Are there special conditions associated with investments in biorefinery technologies from the industry perspective?

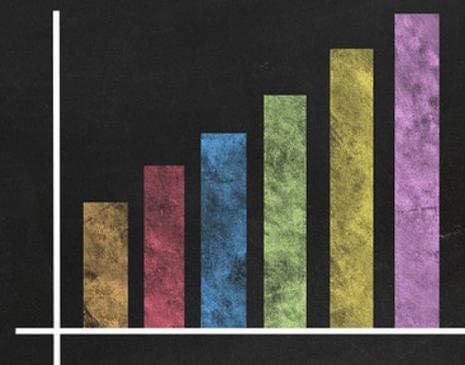
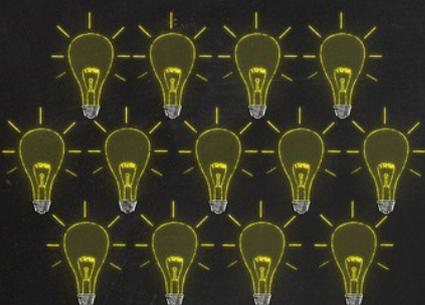
- **Misha Valk**, Head Business Development, SkyNRG
- **Filip Jonsson**, Chalmers and the ADVANCEFUEL project
- **Lars Lind**, Managing Director, Adesso BioProducts

4. Summary, Patrik Klintbom and Johanna Mossberg

Contact person: Johanna Mossberg, RISE, johanna.mossberg@ri.se

RISE

ETIP Bioenergy
European Technology and Innovation Platform



CONFERENCE DINNER CRUISE, Wednesday 18 September

We are pleased to invite all delegates to the Conference Dinner Cruise on Wednesday 18 September.

Join us for a spectacular evening dinner cruise and enjoy a fantastic dinner while passing several cobs and islands around Stockholm.

We will pick up our dinner guests from "Nybrokajen" OR "Elite Hotel Marina Tower".

- 18.30 Departure from "Nybrokajen" by boat
- 19.00 Departure from "Elite Hotel Marina Tower"
- 22.00 Arrival back at "Elite Hotel Marina Tower"
- 22.30 Arrival back at "Nybrokajen"



Please be on time since the boat will not be able to wait for any passengers arriving late.

We recommend 15 minutes before departure.

Limited number of tickets.

Please note that registration is required.



ELITE HOTEL MARINA TOWER:

Saltsjöqvarns Kaj 25, Stockholm, Sweden

BOOK YOUR ACCOMMODATION IN STOCKHOLM!

There is a limited number of rooms reserved at Elite Hotel Marina Tower for conference delegates. The hotel is located in a historical mill on the waterfront, only a few minutes from the city centre. The rooms are available for reservation until the room reservation block has been filled.

Please contact the hotel for you reservation:

konferens.marinatower@elite.se or

phone +46 8 559 017 46

EXPLORE STOCKHOLM!

Stockholm is a beautiful city with water all-around and September is the perfect time to explore it. We encourage guests of conference participants enjoy Stockholm, taking the opportunity to look at the city attractions.

Read more in the Official visitors guide,

www.visitstockholm.com/guides



WHEN AND WHERE?

Pre-conference study visits: 17 September, 2019 (Open for conference delegates only)

Conference: 18–19 September, 2019, Stockholm, Sweden

Conference Dinner Cruise: 18 September, 2019

Venue: Elite Hotel Marina Tower, Stockholm, Sweden

More information and registration: AdvancedBiofuelsConference.org

Please contact us for any questions: abc@svebio.se

CONFERENCE FEES

- Full price, 2 days: 8 900 SEK
- Full price, 1 day: 5 700 SEK
- Members of Svebio, Bioenergy Europe & WBA, 2 days: 6 900 SEK
- Members of Svebio, Bioenergy Europe & WBA, 1 day: 4 100 SEK
- Students, 2 days: 800 SEK
- PhD students /researchers, 2 days: 4 450 SEK
- PhD students /researchers, 1 day: 2 280 SEK
- Speakers, Press, Parliament politicians, 2 days: Free
- Conference Dinner Cruise: 550 SEK
- Study visits are free, but you need to register for minimum 1 day.
- Workshop is free, but you need to register for minimum 1 day.

All fees are stated excluding VAT in Swedish Kroner (SEK).
25% VAT will be added to the conference and dinner fee.



SPONSORSHIP OPPORTUNITIES & MINI-EXPO STANDS

It is expected that Advanced Biofuels Conference will be attended by delegates from all over the world. By becoming a sponsor you will address the following target groups: biofuels suppliers, technology suppliers, transport companies, energy companies, agriculture industry, oil and petrochemical companies, equipment and engine manufacturers, project developers, forest and pulp & paper industry, national policy and decision makers, consulting companies and trade associations, financing institutions, etc.



FOR INFORMATION ABOUT SPONSORSHIP AND MINI-EXPO STANDS, PLEASE CONTACT:
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ABOUT OUR SPONSORS

We would like to thank our great sponsors and partners for supporting us in organising this conference.

SILVER SPONSORS:

» ENERGIFABRIKEN

Energifabriken distributes and sells biofuels to customers throughout Sweden, from Ystad in the south to Piteå in the north. We also participate in various projects within the biofuel sector.

Visit energifabriken.se



» NESTE

Neste (NESTE, Nasdaq Helsinki) creates sustainable solutions for transport, business, and consumer needs. Our wide range of renewable products enable our customers to reduce climate emissions. We are the world's largest producer of renewable diesel refined from waste and residues, introducing renewable solutions also to the aviation and plastics industries. We are also a technologically advanced refiner of high-quality oil products. We want to be a reliable partner with widely valued expertise, research, and sustainable operations. In 2018, Neste's revenue stood at EUR 14.9 billion. In 2019, Neste placed 3rd on the Global 100 list of the most sustainable companies in the world. Visit neste.com



» REG - RENEWABLE ENERGY GROUP

Renewable Energy Group, Inc., (Nasdaq: REGI) is leading the energy industry's transition to sustainability by transforming renewable resources into high-quality, cleaner fuels. REG is an international producer of cleaner fuels and North America's largest producer of biodiesel. REG solutions are alternatives for petroleum diesel and produce significantly lower carbon emissions. REG utilizes an integrated procurement, distribution and logistics network to operate 14 biorefineries in the U.S. and Europe. REG is meeting the growing global demand for lower-carbon fuels and leading the way to a more sustainable future. Visit regi.com



» St1

St1 vision: to be the leading producer and seller of CO₂-aware energy. Our goal is to develop and commercialize functional and environmentally sustainable solutions and deliver these solutions profitably. Each solution must be technically ready for use today. They also have to be ecologically and ethically sustainable and logistically feasible. We believe we will attain this vision by running a responsible and profitable business, where economic performance, social responsibility and environmental impact are balanced. Visit st1.eu



» UPM BIOFUELS

UPM Biofuels produces renewable and sustainable products for the transport and petrochemicals industries. We offer our customers ways to replace fossil raw materials and reduce their carbon footprint. UPM's innovative, bio-based products are frontrunners in quality, usability and sustainability. They will significantly decrease greenhouse gas and tail pipe emissions compared to fossil fuels.

UPM Biofuels utilises crude tall oil - a wood-based residue of pulp production - to produce renewable diesel which can be used in all diesel engines, and renewable naphtha which can be used as a bio-component in gasoline or in petrochemical industry to make, for example, plastics or glues.

Visit upmbiofuels.com



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Task 39

