



European Commission

Sub Group on Advanced Biofuels

Sustainable Transport Forum



Building up the future References and Reports

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Sub Group on Advanced Biofuels

References and Reports

NOTE: References and Reports are listed in alphabetical order.

Disclaimer

This document on List of important references and reports has been assembled directly from recommendations by the Members, Observers and the Core Team of the Sub Group of Advanced Biofuels (SGAB) of the Sustainable Transport Forum in an effort to provide reliable and recent information on the various topics related to low carbon fuels. The List of important references and reports set out in this document are those of the Members and Observers of the SGAB and are not necessarily recommended by the Commission or of the Organizations represented by the SGAB Members and Observers. The Commission does not guarantee the accuracy of the references and reports included in this report and by no means should they be considered as official recommendations. Neither the Commission nor any person acting on the Commission's, or, the Organizations represented by the SGAB Members' and Observers' behalf may be held responsible for the use which may be made of the information contained herein. The individuals concerned have offered their views in a personal capacity.

Date: 10 March 2017

Section One: Public Available Downloadable Reports

1. ACEA: "Worldwide Fuel Charter – 5th edition". Sept. 2013. European Automobile Manufacturers Association, Avenue des Nerviens 85, B-1040 Brussels, Belgium. This document is available at:
http://www.acea.be/uploads/publications/Worldwide_Fuel_Charter_5ed_2013.pdf.

Proposed by: EFOA

2. Advanced Ethanol Council: "Cellulosic Biofuels – Industry Progress Report 2012 – 2013". This document is available at:
https://ethanolrfa.3cdn.net/d9d44cd750f32071c6_h2m6vaik3.pdf.

Proposed by: ENERKEM

3. Ahlvik P.: "Well to wheel efficiency for heavy duty vehicles". Ecotrafic ERD3 AB, 2009. Floragatan 10B, SE-114 31 Stockholm, Sweden. This document is available at:
http://www.ecotrafic.se/media/5447/3_2009_wtw.pdf.

Proposed by: VOLVO

4. Allen B., Maréchal A., Nanni S., Pražan J., Baldock D., Hart K.: "Data sources to support land suitability assessments for bioenergy feedstocks in the EU – A review". Institute for European Environmental Policy (IEEP), London, November 2015. This document is available at: http://www.ieep.eu/assets/1971/IEEP_2015_Land_scoping_Study.pdf

Proposed by: European Climate Foundation

5. Andersson K., Salazar C.M.: "Methanol as a Marine Fuel". FC Business Intelligence Ltd, 2015. Prepared for Methanol Institute. This document is available at:
<http://www.methanol.org/getdoc/a9af8c29-e199-4854-b1c7-4e869991aaa7/FCBI-Methanol-Marine-Fuel-Report-Final.aspx>.

Proposed by: Methanol Institute

6. Andersson J., Furusjö E., Wetterlund E., Lundgren J., Landälv I.: "Co-gasification of black liquor and pyrolysis oil: Evaluation of blend ratios and methanol production capacities", Energy Conversion and Management, Volume 110, 2016, pp. 240–248. This document is available at: https://www.researchgate.net/publication/288686807_Co-gasification_of_black_liquor_and_pyrolysis_oil_Evaluation_of_blend_ratios_and_methanol_production_capacities.

Proposed by: SGAB Core Team

7. Arup URS Consortium: "Advanced Biofuel Feedstocks – An Assessment of Sustainability". Package Order Ref: 217(4/45/12)ARPS – PPRO 04/91/30. 28 January 2014. This document is available at:
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/277436/feedstock-sustainability.pdf.

Proposed by: St1 Biofuels

8. Arup URS Consortium, E4tech (UK) Ltd and Ricardo-AEA: "Advanced Biofuel Demonstration Competition Feasibility Study". February 2014. Package Order Ref:

PPRO 04/91/32. This document is available at:

[https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/383577/Advanced Biofuel Demonstration Competition - Feasibility Study FINAL v3.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/383577/Advanced_Biofuel_Demonstration_Competition_-_Feasibility_Study_FINAL_v3.pdf).

Proposed by: SGAB Core Team

9. Aviation Initiative for Renewable Energy in Germany e.V.: "The future of climate-friendly aviation: Ten percent alternative aviation fuels by 2025", Georgen str. 25, 10117, Berlin, Germany. 2012. This document is available at:
http://aireg.de/images/downloads/aireg/aireg_climate_friendly_aviation.pdf.

Proposed by: Lufthansa

10. Aviation Initiative for Renewable Energy in Germany e.V.: "Sustainability of Alternative Aviation Fuels: Questions & Answers", Georgen str. 25, 10117, Berlin, Germany. 2014. This document is available at:
http://aireg.de/images/downloads/EN_broschure_sustainability_aireg.pdf.

Proposed by: Lufthansa

11. Bowyer C., Skinner I., Malins C., Nanni S., Baldock D.: "Low Carbon Transport Fuel Policy for Europe Post 2020. How can a post 2020 low carbon transport fuel policy be designed that is effective and addresses the political pitfalls of the pre 2020 policies?" Institute for European Environmental Policy (IEEP), The International Council of Clean Transportation (ICCT), Transport and Environmental Policy Research (TEPR), July 2015. This document is available at:
http://www.ieep.eu/assets/1789/IEEP_TEPR_ICCT_2015_Low_Carbon_Transport_Fuel_Policy_for_Europe_Post_2020.pdf.

Proposed by: Transport & Environment

12. Börjesson P., Lundgren J., Ahlgren S., Nyström I.: "DAGENS OCH FRAMTIDENS HÅLLBARA BIODRIVMEDEL. Underlagsrapport från f3 till utredningen om FossilFri Fordonstrafik". 2013. (In Swedish) This document is available at:
<http://www.regeringen.se/contentassets/7bb237f0adf546daa36aaf044922f473/underlagsrapport-18---dagens-och-framtidens-hallbara-biodrivmedel.pdf>.

Proposed by: Volvo

13. Bromberg L., Cheng W.K.: "Methanol as an alternative transportation fuel in the US: Options for sustainable and/or energy-secure transportation". Massachusetts Institute of Technology, Final report UT-Battelle Subcontract Number:4000096701, 2010. This document is available at:
http://www.afdc.energy.gov/pdfs/mit_methanol_white_paper.pdf.

Proposed by: Methanol Institute

14. Cames M., Velzen van An.: "Cost impacts of ICAO's GMBM". Briefing Paper. Oeko-Institut e.V. Office Berlin, Schicklerstr. 5-7, 10179 Berlin. 2016. This document is available at: <http://www.oeko.de/oekodoc/2457/2016-001-en.pdf>

Proposed by: SGAB Core Team

15. Cames M.: "Availability of offsets for a global market-based mechanism for international aviation". Briefing Paper. Oeko-Institut e.V. Office Berlin, Schicklerstr. 5-7, 10179 Berlin. 2015. This document is available at: <http://www.oeko.de/oekodoc/2394/2015-552-en.pdf>.

Proposed by: Swedish Biofuels

16. Cames M., Graichen J., Siemons Anne, Cook V.: "Emission Reduction Targets for International Aviation and Shipping". Oeko-Institut e.V. Office Berlin, Schicklerstr. 5-7, 10179 Berlin. 2015. This document is available at: [http://www.europarl.europa.eu/RegData/etudes/STUD/2015/569964/IPOL_STU\(2015\)569964_EN.pdf](http://www.europarl.europa.eu/RegData/etudes/STUD/2015/569964/IPOL_STU(2015)569964_EN.pdf)

Proposed by: SGAB Core Team

17. Cames M., Gores S., Graichen V., Keimeyer F., Jasper F.: "An Aviation Carbon Offset Scheme (ACOS), Version 3.0 – Update". On behalf of the Federal Environment Agency (Germany). Environmental Research of the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Project No. (FKZ) 3713 14 102. Publisher: Umweltbundesamt, Wörlitzer Platz 1, 06844 Dessau-Roßlau. Germany, 2014. This document is available at: http://www.umweltbundesamt.de/sites/default/files/medien/378/publikationen/sonstige_a_n_aviation_carbon_offset_scheme_acos_komplett.pdf

Proposed by: SGAB Core Team

18. Chum H.L., Pinho A.: "2.4.2.303 Brazil Bilateral: Petrobras-NREL CRADA" DOE Bioenergy Technologies Office (BETO) 2015 Project Peer Review, National Renewable Energy Laboratory March 25, 2015. This document is available at: http://www.energy.gov/sites/prod/files/2015/04/f21/thermochemical_conversion_chum_242303.pdf.

Proposed by: BTG

19. Committee on Propulsion and Energy Systems to Reduce Commercial Aviation Carbon Emissions; Aeronautics and Space Engineering Board; Division on Engineering and Physical Sciences; National Academies of Sciences, Engineering, and Medicine: "Commercial Aircraft Propulsion and Energy Systems Research: Reducing Global Carbon Emissions". National Academies Press, Keck 360, 500 Fifth Street, NW, Washington, DC 20001. 2016. ISBN 978-0-309-44096-7. DOI: 10.17226/23490. This document is available at: <http://www.nap.edu/read/23490/chapter/1>.

Proposed by: SGAB Core Team

20. CONCAWE Special Task Force, FE/STF-24: "Guidelines for blending and handling motor gasoline containing up to 10% v/v ethanol". CONCAWE Report 3/08, CONCAWE, Boulevard du Souverain 165, B-1160 Brussels 2009. This document is available at: https://www.concawe.eu/uploads/Modules/Publications/rpt_08-3-2008-01143-01-e.pdf.

Proposed by: CONCAWE

21. CONCAWE Special Task Force, FE/STF-24: "Guidelines for handling and blending FAME". CONCAWE Report 9/09, CONCAWE, Boulevard du Souverain 165, B-1160 Brussels 2009. This document is available at: https://www.concawe.eu/uploads/Modules/Publications/rpt_09-9-2009-05088-01-e.pdf.

Proposed by: CONCAWE

22. Denvir B., Taylor R., Bauen A., Toop G., Alberici S.: “Novel Low Carbon Transport Fuels and the RTFO: sustainability implications Scoping paper for the UK Department for Transport”. 2015. This document is available at:
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/417650/Novel_Low_Carbon_Transport_Fuels_Scoping_paper_vFINAL5.pdf.

Proposed by: SGAB Core Team

23. Directive (EU) 2016/802 of the European Parliament and of the Council of 11 May 2016 relating to a reduction in the sulphur content of certain liquid fuels. Official Journal, L 132, 21.5.2016, pp. 58–78.

Proposed by: SGAB Core Team

24. Dutch Ministry of Infrastructure and Environment: “Around the world in eighty days of climate actions in transport”. This document is available for reading at:
https://epublicatie.minienm.nl/gth#/slide_aroundtheworldineightydays

Proposed by: LanzaTech

25. Directorate-General for Internal Policies, Policy Department B: Structural and Cohesion Policies: “The Impact of Biofuels on Transport and the Environment, and Their Connection with Agricultural Development in Europe”, February 2015, ISBN: 978-92-823-6329-4 (pdf). doi: 10.2861/775 (pdf). This document is available at:
<http://www.europarl.europa.eu/studies>.

Proposed by: Lufthansa

26. E2 Environmental Entrepreneurs: “E2 ADVANCED BIOFUEL MARKET REPORT 2014”, 2014. This document is available at:
<https://members.e2.org/ext/doc/E2AdvancedBiofuelMarketReport2014.pdf>

Proposed by: International Council of Clean Transportation

27. E3M-Lab, PRIMES model, GEM-E3 model, Prometheus model and PRIMES gas, IIASA -GAINS model, IIASA –GLOBIOM/G4M models, EuroCARE: “EU REFERENCE SCENARIO 2016, ENERGY, TRANSPORT AND GHG EMISSIONS, TRENDS TO 2050”. This publication was prepared for the Directorate-General for Energy, the Directorate-General for Climate Action and the Directorate-General for Mobility and Transport. 15 July 2016. Publications Office of the European Union, 2016. PDF ISBN: 978-92-79-52374-8. doi: 10.2833/001137. This document is available at:
https://ec.europa.eu/energy/sites/ener/files/documents/ref2016_report_final-web.pdf.

Proposed by: SGAB Core Team

28. E4tech (2013) A harmonised Auto-Fuel biofuel roadmap for the EU to 2030. E4tech 83, Victoria Street, London SW1H 0HW, United Kingdom. This document is available at:
http://www.e4tech.com/wp-content/uploads/2015/06/EU_Auto-Fuel-report.pdf.

Proposed by: St1 Biofuels, SGAB Core Team

29. E4tech (2013): “A harmonised Auto-Fuel biofuel roadmap for the EU to 2030 – Appendices”. E4tech(UK) Ltd. 83, Victoria Street London SW1H 0HW United Kingdom.

www.e4tech.com. This document is available at: http://www.e4tech.com/wp-content/uploads/2015/06/EU_Auto-Fuel-appendices.pdf.

Proposed by: St1 Biofuels, SGAB Core Team

30. European Aviation Safety Agency (EASA), European Environment Agency (EEA) and EUROCONTROL: "European Aviation Environmental Report 2016". ISBN: 978-92-9210-197-8. doi: 10.2822/385503. This document is available at: <http://ec.europa.eu/transport/modes/air/aviation-strategy/documents/european-aviation-environmental-report-2016-72dpi.pdf>.

Proposed by: SGAB Core Team

31. European Commission, Commission Staff Working Document: "Impact Assessment Accompanying the document Proposal for a Directive of the European Parliament and of the Council amending Directive 98/70/EC relating to the quality of petrol and diesel fuels and amending Directive 2009/28/EC on the promotion of the use of energy from renewable sources". SWD(2012) 343 final. Brussels, 17.10.2012. This document is available at: http://ec.europa.eu/clima/policies/transport/fuel/docs/swd_2012_343_en.pdf.

Proposed by: SGAB Core Team

32. European Commission, Commission Staff Working Document: "Impact Assessment Accompanying the document Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions A policy framework for climate and energy in the period from 2020 up to 2030". SWD (2014) 15 final. Brussels, 22-01-2014. This document is available at: http://ec.europa.eu/smart-regulation/impact/ia_carried_out/docs/ia_2014/swd_2014_0015_en.pdf.

Proposed by: BTG, Mossi & Ghisolfi

33. European Commission, DG MOVE - Expert group on future transport fuels State of the Art on Alternative Fuels Transport Systems: "State of the Art on Alternative Fuels Transport Systems in the European Union". July 2015. This document is available at: <http://ec.europa.eu/transport/themes/urban/studies/doc/2015-07-alter-fuels-transport-syst-in-eu.pdf>.

Proposed by: SGAB Core Team

34. European Commission: "Communication on decarbonising the transport sector". 7th April 2016. This document is available at: http://ec.europa.eu/smart-regulation/roadmaps/docs/2016_move_046_decarbonization_of_transport_en.pdf.

Proposed by: SGAB Core Team

35. European Commission, DG MOVE: "Alternative fuels and infrastructure in seven non-EU markets – Final report". Prepared by: Ecofys (R. Winkel, C. Hamelinck, M. Bardout, C. Bucquet, S. Ping, M. Cuijpers) and PwC (D. Artuso, S. Bonafede). Brussels 21 Jan.2016. This document is available at: <http://ec.europa.eu/transport/themes/urban/studies/doc/2016-01-21-alternative-fuels-and-infrastructure-in-seven-non-eu-markets.pdf>.

Proposed by: SGAB Core Team

36. European Court of Auditors: "The EU system for the certification of sustainable biofuels". Report No 18/2016. European Court of Auditors, 12, rue Alcide De Gasperi, 1615 Luxembourg. European Union July 2016. ISBN 978-92-872-5283-8 ISSN 1977-5679 doi:10.2865/82411. This document is available at: <http://www.eca.europa.eu/en/Pages/DocItem.aspx?did=37264>

Proposed by: SGAB Core Team

37. European Environment Agency: "Trends and projections in Europe 2016 - Tracking progress towards Europe's climate and energy targets". European Environment Agency, 6 Kongens Nytorv, 1050 Copenhagen K, Denmark, 8 December 2016. This document is available at: <http://www.eea.europa.eu/themes/climate/trends-and-projections-in-europe>

Proposed by: SGAB Core Team

38. European Maritime Safety Agency (EMSA): "Study on the use of ethyl and methyl alcohol as alternative fuels in shipping". Authors: Joanne Ellis (SSPA Sweden AB), Kim Tanneberger (LR EMEA). SSPA Project Number: 20157412. Published 06 June 2016. This document is available at: <http://www.emsa.europa.eu/emsa-homepage/2-news-a-press-centre/news/2726-study-on-the-use-of-ethyl-and-methyl-alcohol-as-alternative-fuels-in-shipping.html>

Proposed by: ABENGOA

39. FuelsEurope: "Statistical Report 2016". Editor: John Cooper. Boulevard du Souverain, 165, B-1160 Brussels, Belgium. 15 June 2016. This document is available at: https://www.fuelseurope.eu/uploads/Modules/Resources/graphs_fuels_europe-2016_v12_web.pdf

Proposed by: SGAB Core Team

40. Greater London Authority, London Assembly, Environment Committee: "Driving away from diesel. Reducing air pollution from diesel vehicles". City Hall, The Queen's Walk. More London, London SE1 2AA. This document is available at: <https://www.london.gov.uk/sites/default/files/Driving%20Away%20from%20Diesel%20final%20report.pdf>.

Proposed by: Swedish Biofuels

41. GreenSynFuels. "Economical and Technological Statement regarding Integration and Storage of Renewable Energy in the Energy Sector by Production of Green Synthetic Fuels for Utilization in Fuel Cells". Final Project Report, March 2011. Report Editor: Danish Technological Institute. This document is available at: http://serenergy.com/wp-content/uploads/2015/11/GreenSynFuels_report_final.pdf.

Proposed by: SGAB Core Team

42. Hannula I., Kurkela E.: "Liquid transportation fuels via large-scale fluidised-bed *gasification* of lignocellulosic biomass". VTT Technical Research Centre of Finland, Tekniikantie 4 A, Espoo, FI-02044, Finland. ISBN 978-951-38-7979-2, ISSN 2242-122X (Online). This document is available at: <http://www.vtt.fi/inf/pdf/technology/2013/t91.pdf>.

Proposed by: VTT

43. Harrison, P, Malins, C, and Searle, S.: "Biofrontiers - Responsible innovation for tomorrow's liquid fuels". 2016. The International Council on Clean Transportation. This document is available at:
http://www.theicct.org/sites/default/files/publications/Biofrontiers%20Report_ICCT_ECF_October2016.pdf.

Proposed by: SGAB Core Team

44. Hileman I. J., Ortiz S. D., Bartis T. J., Wong M. H., Donohoo E. P., Weiss A. M., Waitz A. I.: "Near-Term Feasibility of Alternative Jet Fuels". RAND Corporation, 1776 Main Street, P.O. Box 2138, Santa Monica, CA 90407-2138, 7 January 2009 RAND Corporation and Massachusetts Institute of Technology. This document is available at:
<http://web.mit.edu/aeroastro/partner/reports/proj17/altfuelfeasrpt.pdf>.

Proposed by: SGAB Core Team

45. International Air Transport Association: "IATA 2014 Report on Alternative Fuels". IATA 33, Route de l'Aéroport, 1215 Geneva 15 Airport, Switzerland.. December 2014. ISBN 978-92-9252-508-8. This document is available at:
<http://www.iata.org/publications/Documents/2014-report-alternative-fuels.pdf>.

Proposed by: SkyNRG

46. International Air Transport Association: "Sustainable Aviation Fuel Roadmap". IATA 33, Route de l'Aéroport, 1215 Geneva 15 Airport, Switzerland. 2015. ISBN 978-92-9252-704-4. This document is available at:
<http://www.iata.org/whatwedo/environment/Documents/safr-1-2015.pdf>.

Proposed by: SGAB Core Team

47. International Air Transport Association: "Fact Sheet Alternative Fuel". IATA 33, Route de l'Aéroport, 1215 Geneva 15 Airport, Switzerland. December 2015. This document is available at: https://www.iata.org/pressroom/facts_figures/fact_sheets/Documents/fact-sheet-alternative-fuels.pdf.

Proposed by: SGAB Core Team

48. International Civil Aviation Organization (ICAO): "Overview of Alternative Jet Fuels in 2014". This paper is an update of the text that was originally published in the IATA 2014 Report on Alternative Fuels (Ref. 35 of this report) as a contribution from ICAO Secretariat. 2014. This document is available at: <http://www.icao.int/environmental-protection/GFAAF/Documents/Overview%20of%20Alternative%20Jet%20Fuels%20in%202014.pdf>.

Proposed by: SGAB Core Team

49. IEA – Advanced Motor Fuels: "Annual Report 2014". 2014. This document is available at http://www.iea-amf.org/content/publications/annual_reports.

Proposed by: IFP – Energies Nouvelles

50. IEA Renewable Energy Division: "Technology Roadmap - Biofuels for Transport". International Energy Agency, 9 rue de la Fédération 75739 Paris Cedex 15, France. 2011. www.iea.org. This document is available at:

http://www.iea.org/publications/freepublications/publication/Biofuels_Roadmap_WEB.pdf

Proposed by: ABENGOA, CONCAWE, IEA.

51. IEA-RETD (2015): Driving renewable energy for transport – Next generation policy instruments for renewable transport (RES-T-NEXT), [Huib van Essen, Sanne Aarnink, Anouk van Grinsven, Arno Schroten, Matthijs Otten, Maarten 't Hoen, Bettina Kampman (CE Delft; Tammy Klein, Paul Niznik, Lucky Nurafiatin, Maelle Soares-Pinto (Stratas Advisors)], IEA Implementing Agreement for Renewable Energy Technology Deployment (IEA-RETD), Utrecht, 2015. This document is available at: <http://iea-retd.org/wp-content/uploads/2015/12/IEA-RETD-RES-T-NEXT-201511.pdf>.

Proposed by: SGAB Core Team

52. IEA-RETD (2015): Towards advanced Biofuels - options for integrating conventional and advanced biofuel production sites (RES-T-BIOPLANT), [Ugarte, S., Fritsche, U., SQ Consult B.V. and IINAS GmbH], IEA Implementing Agreement for Renewable Energy Technology Deployment (IEA-RETD), Utrecht, 2016. This document is available at: <http://iea-retd.org/wp-content/uploads/2016/02/RES-T-BIOPLANT-presentation.pdf>

Proposed by: SGAB Core Team

53. International Energy Agency (IEA): "OIL Definitions". 31-35 rue de la Fédération 75739 Paris Cedex 15 France 2009. This document is available at: http://www.iea.org/interenerstat_v2/meeting/2009/Oil.pdf

Proposed by: SGAB Core Team

54. IRENA, IEA-ETSAP: "Production of Liquid Biofuels, Technology Brief", IRENA Headquarters, Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates, www.irena.org. January 2013. This document is available at: https://www.irena.org/DocumentDownloads/Publications/IRENA-ETSAP%20Tech%20Brief%20P10%20Production_of_Liquid%20Biofuels.pdf.

Proposed by: Copa - Cogeca

55. IRENA: "ROAD TRANSPORT: THE COST OF RENEWABLE SOLUTIONS" IRENA Headquarters, Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates, www.irena.org. June 2013. This document is available at: http://www.irena.org/DocumentDownloads/Publications/Road_Transport.pdf.

Proposed by: SGAB Core Team

56. IRENA: "IRENA's Renewable Energy Roadmap (REmap 2030) - REmap Countries Renewable Energy Targets Table", IRENA Headquarters, Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates, www.irena.org. November 2014. This document is available at: http://www.irena.org/remap/IRENA_REmap_RE_targets_table_2014.pdf.

Proposed by: European Biogas Association

57. IRENA: "Renewable Energy option for Shipping – Technology Brief", IRENA Headquarters, Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates, www.irena.org. January 2015. This document is available at:

http://www.irena.org/DocumentDownloads/Publications/IRENA_Tech_Brief_RE_for%20Shipping_2015.pdf.

Proposed by: European Biogas Association

58. IRENA: “Renewable Energy Target Setting”, IRENA Headquarters, Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates, www.irena.org. June 2015. This document is available at:

http://www.irena.org/DocumentDownloads/Publications/IRENA_RE_Target_Setting_2015.pdf.

Proposed by: European Biogas Association

59. IRENA (2016): “Renewable Energy Benefits: Measuring The Economics”. IRENA, Abu Dhabi. This document is available at:

http://www.irena.org/DocumentDownloads/Publications/IRENA_Measuring-the-Economics_2016.pdf.

Proposed by: SGAB Core Team

60. IRENA (2016): REmap: Roadmap for a Renewable Energy Future, 2016 Edition. International Renewable Energy Agency (IRENA), Abu Dhabi. This document is available at:

http://www.irena.org/DocumentDownloads/Publications/IRENA_REmap_2016_edition_report.pdf.

Proposed by: SGAB Core Team

61. IRENA (2016), BOOSTING BIOFUELS: Sustainable Paths to Greater Energy Security, 2016. International Renewable Energy Agency (IRENA), Abu Dhabi. This document is available at:

http://www.irena.org/DocumentDownloads/Publications/IRENA_Boosting_Biofuels_2016.pdf

Proposed by: SGAB Core Team

62. IRENA (2017): “Biofuels for aviation: Technology brief”. International Renewable Energy Agency Headquarters, Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates, www.irena.org. February 2017. ISBN 978-92-95111-02-8. This document is available at:

http://www.irena.org/DocumentDownloads/Publications/IRENA_Biofuels_for_Aviation_2017.pdf

Proposed by: SGAB Core Team

63. Joint Research Centre, Institute for Energy and Transport: “Well-to-Wheels analysis of future automotive fuels and powertrains in the European context”. WELL-TO-WHEELS Report Version 4a, EU 2014. ISBN 978-92-79-33887-8 (pdf), ISSN 1831-9424 (online), doi: 10.2790/95533. This document is available at:

http://iet.jrc.ec.europa.eu/about-jec/sites/iet.jrc.ec.europa.eu/about-jec/files/documents/wtw_report_v4a_march_2014_final.pdf.

Proposed by: CONCAWE

64. Joint Research Centre, Institute for Energy and Transport: “Well-to-Wheels analysis of future automotive fuels and powertrains in the European context”. WELL-TO-TANK (WTT) Report Version 4a, EU 2014. ISBN 978-92-79-33888-5 (pdf), ISSN 1831-9424

(online), doi:10.2790/95629. This document is available at:
http://iet.jrc.ec.europa.eu/about-jec/sites/iet.jrc.ec.europa.eu/about-jec/files/documents/report_2014/wtt_report_v4a.pdf.

Proposed by: CONCAWE

65. Joint Research Centre, Institute for Energy and Transport: "EU renewable energy targets in 2020: Revised analysis of scenarios for transport fuels". EU 2014. ISBN 978-92-79-36818-9 (PDF), ISSN 1831-9424 (online), doi: 10.2790/1725. This document is available at:
https://www.concawe.eu/uploads/Modules/Publications/jec_biofuels_2013_report_final.PDF.

Proposed by: CONCAWE

66. Joint Research Centre, Institute for Energy and Transport: "Alternative Fuels for Marine and Inland Waterways: An exploratory study". EU 2016. Kamaljit Moirangthem, Edited by David Baxter. ISBN 978-92-79-56957-9 (PDF), ISSN 1831-9424 (online), doi: 10.2790/227559 (online). This document is available at:
http://publications.jrc.ec.europa.eu/repository/bitstream/JRC100405/inland%20and%20marine%20waterways%20exploratory%20work%20on%20alternative%20fuels_kamaljit%20Moirangthem_final.pdf

Proposed by: SGAB Core Team

67. Johnson E.: "Integrated enzyme production lowers the cost of cellulosic ethanol". Biofuels Bioproduct & Biorefinery, Volume 10, pp. 164 – 174. February 2016. DOI: 10.1002/bbb.1634. This document is available at:
<http://onlinelibrary.wiley.com/doi/10.1002/bbb.1634/full>.

Proposed by: Clariant

68. Jones S.B., Snowden-Swan L.J., Meyer P.A., Zacher A.H., Olarte M.V., Drennan C.: "Fast Pyrolysis and Hydrotreating: 2014 State of Technology R&D and Projections to 2017". Pacific Northwest National Laboratory Richland, Washington 99352. Prepared for the U.S. Department of Energy under Contract DE-AC05-76RL01830. March 2015. This document is available at:
http://www.pnnl.gov/main/publications/external/technical_reports/pnnl-24176.pdf.

Proposed by: BTG

69. Kampman B., Verbeek R., van Grinsven A., van Mensch P., Croezen H., Patuleia A.: "Bringing biofuels on the market. Options to increase EU biofuels volumes beyond the current blending limits". Delft, July 2013. This document is available at:
https://ec.europa.eu/energy/sites/ener/files/documents/2013_11_bringing_biofuels_on_the_market.pdf.

Proposed by: SGAB Core Team

70. Karatzos S., McMillan J.D., Saddler J.N.: "The potential and challenges of drop-in biofuels" IEA Bioenergy Task 39. July 2014. ISBN: 978-1-910154-07-6 (electronic version). This document is available at: <http://task39.sites.olt.ubc.ca/files/2014/01/Task-39-Drop-in-Biofuels-Report-FINAL-2-Oct-2014-ecopy.pdf>.

Proposed by: European Biogas Association, IEA

71. Karatzos S., McMillan J.D., Saddler J.N.: "Summary of the report "The potential and challenges of drop-in biofuels"". IEA Bioenergy Task 39. July 2014. ISBN: 978-1-910154-09-0 (electronic version). This document is available at: <http://task39.org/files/2014/01/Task-39-drop-in-biofuels-report-summary-FINAL-14-July-2014-ecopy.pdf>.

Proposed by: IEA

72. Klevnäs P., Stern N., Frejova J.: "Oil Prices and the New Climate Economy". The New Climate Economy, May 2015 available at www.newclimateeconomy.net.

Proposed by: European Climate Foundation

73. Kovacs, A.: "Proposal for a European Biomethane Roadmap". Intelligent Energy for Europe Program - Green Gas Grids WP3, European Biogas Association, Renewable Energy House, Rue d'Arlon 63-65. 1040 Brussels, December 2013, Belgium. This document is available at: <http://european-biogas.eu/wp-content/uploads/2013/11/GGG-Biomethane-roadmap-final.pdf>.

Proposed by: European Biogas Association

74. Kretschmer B., Allen B., Hart K.: "Mobilising Cereal Straw in the EU to Feed Advanced Biofuel Production", Report produced for Novozymes. Institute for European Environmental Policy, March 2012. This document is available at: http://www.ieep.eu/assets/938/IEEP_Agricultural_residues_for_advanced_biofuels_May_2012.pdf.

Proposed by: Copa - Cogeca

75. Kollamthodi S., Norris J., Dun Cr., Brannigan Ch., Twisse F., Biedka M., Bates J.: "The role of natural gas and biomethane in the transport sector". Final Report. Report for Transport and Environment (T&E). Ricardo Energy & Environment. Gemini Building, Harwell, Didcot, OX11 0QR, United Kingdom. 16 February 2016. This document is available at: https://www.transportenvironment.org/sites/te/files/publications/2016_02_TE_Natural_Gas_Biomethane_Study_FINAL.pdf.

Proposed by: SGAB Core Team

76. Lonza L., Hass H., Maas H., Reid A., Rose K. D.: "EU renewable energy targets in 2020: Analysis of scenarios for transport". European Commission, Joint Research Centre, Institute for Energy. EU 2011. ISBN 978-92-79-19792-5, ISSN 1018-5593, DOI 10.2788/74948. This document is available at: http://iet.jrc.ec.europa.eu/sites/about-iec/files/documents/JECBiofuels_Report_2011_PRINT.pdf.

Proposed by: ABENGOA

77. Malins C., Searle S., Baral A., Turley D., Hopwood L.: "Wasted: Europe's an Untapped Resource. An Assessment of Advanced Biofuels from Wastes & Residues". The International Council of Clean Transportation (ICCT), Institute for European Environmental Policy (IEEP), NNFCCA The Bioeconomy consultants, 2014. This document is available at: <http://europeanclimate.org/wp-content/uploads/2014/02/WASTED-final.pdf>.

Proposed by: European Climate Foundation, LanzaTech, Mossi & Chisolfi, St1 Biofuels

78. Martin J.: "Fueling a Clean Transportation Future Smart Fuel Choices for a Warming World". Union of Concerned Scientists, 2016. This document is available at:
<http://www.ucsusa.org/sites/default/files/attach/2016/02/Fueling-Clean-Transportation-Future-full-report.pdf>.

Proposed by: ENERKEM

79. McMillan J., Saddler J., Dyk van S.: "Commercializing Conventional and Advanced Liquid Biofuels from Biomass". IEA Bioenergy Task 39 Newsletter, Newsletter Issue #41 – December 2015. This document is available at:
<http://task39.sites.olt.ubc.ca/files/2015/12/IEA-Bioenergy-Task-39-Newsletter-Issue-41-December-2015-FINAL.pdf>.

Proposed by: SGAB Core Team

80. Miller N., Christensen A., Park J.E., Baral A., Malins C., Searle S.: "Measuring and Addressing Investment Risk in the Second Generation Biofuels Industry". International Council on Clean Transportation, 1225, Street NW, Suite 900 Washington, DC 20005, www.theicct.org. 2013. This document is available at:
http://www.theicct.org/sites/default/files/publications/ICCT_AdvancedBiofuelsInvestmentRisk_Dec2013.pdf.

Proposed by: The International Council of Clean Transportation

81. Murray J.: "The role of biofuels within a fuels roadmap for Europe". Low Carbon Vehicle Partnership – UK. June 2014. This document is available at:
[http://www.lowcvp.org.uk/assets/presentations/The%20role%20of%20biofuels%20within%20a%20fuels%20road%20map%20for%20Europe%20-%20J%20Murray%20LowCVP%20\(Final\).pdf](http://www.lowcvp.org.uk/assets/presentations/The%20role%20of%20biofuels%20within%20a%20fuels%20road%20map%20for%20Europe%20-%20J%20Murray%20LowCVP%20(Final).pdf).

Proposed by: SGAB Core Team

82. Neste Oil Oyj: Neste Renewable Diesel Handbook. May 2016. This document is available at:
https://www.neste.com/sites/default/files/attachments/neste_renewable_diesel_handbook.pdf

Proposed by: SGAB Core Team

83. Nylund N.-O., Koponen K.: "Fuel and Technology Alternatives for Buses Overall Energy Efficiency and Emission Performance". VTT PB 1000 (Teknikvägen 4A, Esbo), FI-02044 2012. ISBN 978-951-38-7869-6, ISSN 2242-122X. This document is available at:
<http://www.vtt.fi/inf/pdf/technology/2012/t46.pdf>.

Proposed by: VTT

84. Nylund N.-O., Tamminen S., Sipilä K., Laurikko J., Sipilä E., Mäkelä K., Hannula I., Honkatukia J.: "How to Reach 40% Reduction in Carbon Dioxide Emissions from Road Transport by 2030: Propulsion Options and their Impacts on the Economy". VTT Research Report VTT-R-00752-15. VTT 2015. This document is available at:
http://www.transsmart.fi/files/248/Tutkimusraportti_VTT-R-00752-15_liitteinen.pdf.

Proposed by: VTT

85. Pelkmans et al. 2014. Impact of promotion mechanisms for advanced and low-iLUC biofuels on biomass markets: Summary report. IEA Bioenergy Task 40. August 2014. This document is available at:
http://www.gse.it/it/Dati%20e%20Bilanci/GSE_Documenti/Studi/Impact%20of%20promotion%20mechanisms%20for%20advanced%20and%20low-iLUC%20biofuels%20on%20markets.pdf.

Proposed by: Copa - Cogeca

86. Perego C.: "From biomass to advanced biofuel: the greendiesel case" Sinchem Winter School, February 16-17, Bologna, 2015. This document is available at:
<http://www.sinchem.eu/wp-content/uploads/2015/01/15-Perego-ENI.pdf>.

Proposed by: Copa - Cogeca

87. Peters D., Alberici S., Passmore J., Malins C.: "How to advance cellulosic biofuels Assessment of costs, investment options and required policy support". ECOFYS Netherlands B.V. Kanaalweg 15G, 3526 KL Utrecht. 28 December 2015. Project number:BIENL15782. This document is available at:
http://www.theicct.org/sites/default/files/publications/Ecofys-Passmore%20Group_How-to-advance-cellulosic-biofuels_rev201602.pdf.

Proposed by: Netherlands Enterprise Agency, The International Council of Clean Transportation

88. Radich T.: "The Flight Paths for Biojet Fuel". 9th Oct. 2015. U.S. Energy Information Administration. Washington, DC 20585. This document is available at:
http://www.eia.gov/workingpapers/pdf/flightpaths_biojetfuel.pdf.

Proposed by: SGAB Core Team

89. RENEW Project: "Renewable Fuels for advanced Powertrains – Final report", EU/FP6/502705, 2008 SYNCOM Forschungs- und Entwicklungsberatung GmbH, Mühlenstraße 9, 27777 Ganderkesee. This document is available at: http://www.renew-fuel.com/fs_documents.php.

Proposed by: SGAB Core Team

90. Roland Berger GmbH: "Integrated Fuels and Vehicles Roadmap to 2030 and beyond". Roland Berger GmbH, Sederanger 1, 80538 Munich, Germany, April 2016. This document is available at:
http://www.rolandberger.com/media/pdf/Roland_Berger_Study_Integrated_Fuels_and_Vehicles_Roadmap_to_2030_v2_20160428.pdf.

Proposed by: SGAB Core Team

91. Scheelhaase, J.D., et al. How to best address aviation's full climate impact from an economic policy point of view? – Main results from AviClim research project. Transport. Res. Part D (2015), <http://dx.doi.org/10.1016/j.trd.2015.09.002>.

Proposed by: SGAB Core Team

92. Science and Technology Options Assessment: "Methanol: a future transport fuel based on hydrogen and carbon dioxide? Economic viability and policy options". European

Parliamentary Research Service, European Parliament, PE 527.377 - April 2014. ISBN 978-92-823-5529-9. DOI 10.2861/57305. This document is available at: http://www.europarl.europa.eu/RegData/etudes/etudes/JOIN/2014/527377/IPOL-JOIN_ET%282014%29527377_EN.pdf.

Proposed by: Methanol Institute

93. Searle S., Malins C.: "Availability of cellulosic residues and wastes in the EU". October 2013 International Council on Clean Transportation, 1225 Street NW, Suite 900 Washington, DC 20005. This document is available at: http://www.theicct.org/sites/default/files/publications/ICCT_EUcellulosic-waste-residues_20131022.pdf.

Proposed by: SGAB Core Team

94. Searle S., Malins C.: "A reassessment of global bioenergy potential in 2050". Global Change Biology Bioenergy, Volume 7, pp. 328–336, 2015. doi: 10.1111/gcbb.12141. This document is available at: <http://onlinelibrary.wiley.com/doi/10.1111/gcbb.12141/epdf>.

Proposed by: The International Council of Clean Transportation

95. Singer St. (Editor in chief): "The Energy Report 100% Renewable Energy by 2050". WWF International, Avenue du Mont-Blanc, 1196 Gland, Switzerland, www.panda.org. Ecofys P.O. Box 8408, 3503 RK Utrecht, The Netherlands, www.ecofys.com. OMA Heer Bokelweg 149, 3032 AD Rotterdam, The Netherlands, www.oma.eu. 2011. ISBN 978-2-940443-26-0. This document is available at: <http://www.ecofys.com/files/files/ecofys-wwf-2011-the-energy-report.pdf>.

Proposed by: SGAB Core Team

96. Spöttle M., Alberici S., Toop G., Peters D., Gamba L., Ping S., Steen van H., Bellefleur D.: "Low ILUC potential of wastes and residues for biofuels Straw, forestry residues, UCO, corn cobs". ECOFYS Netherlands B.V. Kanaalweg 15G, 3526 KL Utrecht. 4 September 2013. Project number: BIEDE13386 / BIENL12798. This document is available at: <http://www.ecofys.com/files/files/ecofys-2013-low-iluc-potential-of-wastes-and-residues.pdf>.

Proposed by: Netherlands Enterprise Agency

97. Thrän et al.: "Biomethane – status and factors affecting market development and trade". IEA Task 40 and Task 37 Joint Study. September 2014. ISBN 978-1-910154-10-6 (electronic version). This document is available at: <http://www.bioenergytrade.org/downloads/t40-t37-biomethane-2014.pdf>.

Proposed by: European Biogas Association

98. Turley D., Evans G., Nattrass L.: "Use of sustainably-sourced residue and waste streams for advanced biofuel production in the European Union: rural economic impacts and potential for job creation". National Non-Food Crops Centre (NNFCC) The Bioeconomy consultants, Report for the European Climate Foundation, November 2013. This document is available at: www.nnfcc.co.uk/tools/use-of-sustainably-sourced-residue-and-waste-streams-for-advanced-biofuel-production-in-the-european-union-rural-economic-impacts-and-potential-for-job-creation/at_download/file

Proposed by: European Climate Foundation

99. United Nations Environment Programme (UNEP): “Biofuels Vital Graphics, Powering a Green Economy”, ISBN: 978-92-807-3107-1, 2011. This document is available at: http://www.unep.org/climatechange/mitigation/Portals/93/documents/Bioenergy/VBG_Ebook.pdf.

Proposed by: Copa - Cogeca

100. United Nations Conference on trade and Development (UNCTAD): “The State of the Biofuels Market: Regulatory, Trade and Development Perspectives”, UNCTAD/DITC/TED/2013/8, United Nations, 2014. This document is available at: http://unctad.org/en/PublicationsLibrary/ditcted2013d8_en.pdf.

Proposed by: SGAB Core Team

101. United Nations Conference on trade and Development (UNCTAD): “Second Generation biofuel markets: state of play, trade and developing country perspectives”, UNCTAD/DITC/TED/2015/8, United Nations, 2016. This document is available at: http://unctad.org/en/PublicationsLibrary/ditcted2015d8_en.pdf.

Proposed by: SGAB Core Team

102. VOLVO: “Climate Issues in Focus – Renewable Fuels, CO2 free Transports”, AB Volvo, SE-405 08 Göteborg, Sweden. This document is available at: http://www.volvogroup.com/SiteCollectionDocuments/Volvo%20AB/values/environment/climate_issues_in_focus_eng.pdf.

Proposed by: Methanol Institute

103. Wang Wei-Ch., Tao L., Markham J., Zhang Y., Tan E., Batan Li., Warner Et., Biddy M.: “Review of Biojet Fuel Conversion Technologies”. National Renewable Energy Laboratory. Prepared under Task No. BB14.4420. 15013 Denver West Parkway, Golden, CO 80401. July 2016. This document is available at: <http://www.nrel.gov/docs/fy16osti/66291.pdf>

Proposed by: SGAB Core Team

104. World Business Council for Sustainable Development (WBCSD), Low Carbon Technology Partnerships initiative (LCTPi): “Low Carbon Transport Fuels”, Maison de la Paix, Chemin Eugène-Rigot 2, Case postale 246, 1211 Geneve 21, ISBN: 978-2-940521-44-9, November 2015. This document is available at: <http://lctpi.wbcscdservers.org/wp-content/uploads/2015/11/LCTPi-LCTF-Final-Report.pdf>.

Proposed by: DuPont, LanzaTech, SGAB Core Team

105. World Business Council for Sustainable Development (WBCSD), Low Carbon Technology Partnerships initiative (LCTPi): “Low Carbon freight”. This document is available at: <http://lctpi.wbcscdservers.org/wp-content/uploads/2015/12/LCTPi-LowCarbonFreight-LeaderStatement.pdf>.

Proposed by: LanzaTech

106. Yeh B.: “Independent Assessment of Technology Characterizations to Support the Biomass Program Annual State-of-Technology Assessments”. National Renewable

Energy Laboratory, 1617 Cole Boulevard Golden, Colorado 80401. Subcontract Report NREL/SR-6A10-50441, March 2011. This document is available at:
<http://www.nrel.gov/docs/fy11osti/50441.pdf>.

Proposed by: ENERKEM

107. Zhu Y., Rahardjo S.T., Valkenburg C., Snowden-Swan L., Jones S., Machinal M.: "Techno-economic Analysis for the Thermochemical Conversion of Biomass to Liquid Fuels". Prepared for U.S. Department of Energy under Contract DE-AC05-76RL01830. June 2011. This document is available at:
http://www.pnnl.gov/main/publications/external/technical_reports/PNNL-19009.pdf.

Proposed by: ENERKEM

108. Zschocke A., Scheuermann S., Ortner J.: "High Biofuel Blends in Aviation (HBBA)", Interim report, ENER/C2/2012/420-1. 2012. This document is available at:
<http://www.hbba.eu/>.

Proposed by: Lufthansa

Section Two: Reports available at Common Space

1. Beld van de L., Muggen G.: "EMPYRO: Implementation of a Commercial Scale Fast Pyrolysis Plant in the Netherlands" 23rd European Biomass Conference and Exhibition, 1-4 June 2015, Vienna, Austria. Conference Proceedings pp. 1670-1673.



SGAB-RP-034

Vandebeld_Empyro_I

Proposed by: BTG

2. DECRETO 10 ottobre 2014: "Aggiornamento delle condizioni, dei criteri e delle modalità di attuazione dell'obbligo di immissione in consumo di biocarburanti compresi quelli avanzati". Ministero Dello Sviluppo Economico. Italian Government Gazette No. 250, 27-10-2014. (In Italian).



SGAB-RP-044 Italian
mandate on advance

Proposed by: Mossi & Ghisolfi

3. Dutch Ministry of Infrastructure and the Environment: "A vision on sustainable fuels for transport. Key findings of the SER vision programme, Towards a sustainable fuel mix for transport in the Netherlands". PO Box 20901, NL-2500 EX The Hague. June 2014.



SGAB-RP-048 SER -
A vision on sustainabl

Proposed by: SkyNRG

4. Dutch Ministry of Infrastructure and the Environment: "Visie Duurzame Brandstoffenmix - Deelrapport Brandstofvisie Duurzame Luchtvaart, Reductie van emissies en kosten door daadwerkelijke groene groei. 22 June 2014. (In Dutch, executive summary in English).



SGAB-RP-049 SER -
Deelrapport Brandsto

Proposed by: SkyNRG

5. Dyk van J. S., Li L., Leal B. D., Hu J., Zhang Xu, Tan Ti., Saddler J.: "The Potential of Biofuels in China". IEA Bioenergy: Task 39. Sept. 2016.



The Potential of
biofuels in China IEA I

Proposed by: SGAB Core Team

6. European Technology Platform for Zero Emission Fossil Fuel Power Plants: "CCU – carbon capture and utilization". December 2015.



20160420_085426_Z
EP report - CCU Apri

Proposed by: SGAB Core Team

7. European Automobiles Manufacturers Association (ACEA): “Joining Forces to Tackle the Road Transport CO₂ Challenge. A multi-stakeholder initiative”. Avenue des Nerviens 85, B-1040 Brussels, Belgium. Published 15 April 2015.



Joining forces
report.pdf

Proposed by: ACEA

8. European Sustainable Shipping Forum: “Submission from ESSF sub-groups, Progress report on the work of the sub-group on EGCS (scrubbers)”. 5th Plenary Meeting, Brussels, 26 January 2016.



SGAB-RP-030 6a
EGCS sub group prog

Proposed by: Stena Lines

9. European Sustainable Shipping Forum: “Submission from the ESSF sub-group on Marine LNG (ESSF LNG)”. Progress Report. 5th Plenary Meeting, Brussels, 26 January 2016.



SGAB-RP-031 9a LNG
subgroup progress re

Proposed by: Stena Lines

10. Fussler C.: “Carbon Dioxide Utilization – A progress Report”. January 2016. Personal communication claudio@fussler.org.



SGAB-RP-014 CO2
Forum CDU briefing -

Proposed by: LanzaTech

11. Howes J, Bauen A, Chudziak Cl.: “Policy scenarios for transport under the 2030 Energy and Climate framework”, Final Report. This report was prepared by E4tech to inform ePURE’s thinking on European transport policy. 25 February 2016.



E4tech for
epure_Policy scenari

Proposed by: ePure

12. Jiménez M.R.: “Compilation, Mapping and Evaluation of R&D Activities in the Field of Policies, Incentives and Regulation”, Intermediate Report. CORE-JetFuel, EU Project Agreement No.FP7-605716. 2015.



SGAB-RP-082 Interim
Report Core Jetfuel c

Proposed by: Lufthansa

13. Johansson E.: “Fossilfrihet på väg – English Summary”. Betänkande av Utredningen om fossilfri fordonstrafik. Stockholm 2013. (In Swedish)



SGAB-RP-050 English
summary Fossil Free 1

Proposed by: SCANIA

14. Jong de S., Hoefnagels R., Faaij A., Slade R., Mawhood R., Junginger M.: “Modeling and Analysis: The feasibility of short-term production strategies for renewable jet fuels – a comprehensive techno-economic comparison”. Biofuels Bioproducts and Biorefining. 2015. Volume 9: pp. 778–800. <http://dx.doi.org/10.1002/bbb.1613>.



SGAB-RP-047 S. De
Jong - The feasibility

Proposed by: SkyNRG

15. Joode de J.: “The role of power-to -gas in the future Dutch energy system - Summary”. ECN Policy Studies P.O. Box 1 1755 ZG Petten, Netherlands July 2014. ECN-O-14-030.



SGAB-RP-043
ECN, DNH-GL 'The role

Proposed by: Netherlands Enterprise Agency

16. Neste Oil Oyj: Hydrotreated Vegetable Oil (HVO) – premium renewable biofuel for diesel engines. February 2014.



HVO Handbook
Original 2014.pdf

Proposed by: Neste Oil Oyj

17. Štambaský J., Prządka A., Kovács E., Pflüger S., Vega de la N., Peón B.: “Biomethane & Biogas Report 2015” European Biogas Association Rue d’Arlon 63-65 1040 Brussels, 2015.



SGAB-RP-020 EBA
Biogas & Biomethane

Proposed by: European Biogas Association

18. Stenqvist Lars: “Utredningen om fossilfri fordonstrafik (SOU 2013:84)”. SCANIA SE-151 87 SÖDERTÄLJE Sweden. 19-05-2014. (In Swedish)



SGAB-RP-051 Scania
Statement regarding

Proposed by: SCANIA

19. Workshop Report: “Integrated biorefineries and innovations in the optimal use of biomass”. European Commission, 10 December 2015.



SGAB-RP-094
Workshop on Optimal

Proposed by: SGAB Core Team

Section Three: Reports which cannot be archived because of copyright issues

1. EN 228:2012: "Automotive Fuels – Unleaded Petrol – Requirements and Test Methods", European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2012.

Proposed by: ABENGOA

2. EN 590:2013/AC:2014: "Automotive fuels - Diesel - Requirements and test methods". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2014.

Proposed by: SGAB Core Team

3. EN 14214:2012+A1:2014/AC:2014: "Liquid petroleum products - Fatty acid methyl esters (FAME) for use in diesel engines and heating applications - Requirements and test methods". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2014.

Proposed by: SGAB Core Team

4. EN 15940:2016: "Automotive fuels - Paraffinic diesel fuel from synthesis or hydrotreatment - Requirements and test methods". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2016.

Proposed by: SGAB Core Team

5. EN 16709:2015: "Automotive fuels - High FAME diesel fuel (B20 and B30) - Requirements and test methods". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2015.

Proposed by: SGAB Core Team

6. EN 16734:2016: "Automotive fuels - Automotive B10 diesel fuel - Requirements and test methods". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2016.

Proposed by: SGAB Core Team

7. EN 16726:2015: "Gas infrastructure — Quality of gas - Group H". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2015.

Proposed by: GERG

8. EN 16723-1:2016: "Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network — Part 1: Specifications for biomethane for injection in the natural gas network". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2016.

Proposed by: GERG

9. EN 16723-2:2017: "Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network — Part 2: Automotive fuel specifications". European Committee for Standardization (CEN), Avenue Marnix 17, B-1000, Brussels 2017.

Proposed by: GERG

10. Goeppert A., Czaun M., Jones J-P., Surya Prakash G.K., Olah G.A.: "Recycling of carbon dioxide to methanol and derived products – closing the loop". *Journal of Chemical Society Review*, 2014, volume 43, issue 23, pp. 7995 – 8048, <http://dx.doi.org/10.1039/C4CS00122B>.

Proposed by: LanzaTech

11. Hannula I.: "Co-production of synthetic fuels and district heat from biomass residues, carbon dioxide and electricity: Performance and cost analysis". *Biomass and Bioenergy*, 2015, Volume 74, pp. 26-46. <http://dx.doi.org/10.1016/j.biombioe.2015.01.006>.

Proposed by: VTT

12. ISO 8217:2017: "Petroleum products — Fuels (class F) — Specifications of marine fuels". International Organization for Standardization, Case postale 56, CH-1211 Geneva 20. March 2017. <https://www.iso.org/standard/64247.html>.

Proposed by: SGAB Core Team

13. Leach B., Pearson R., Ali R., Williams J.: "CO2 Emission Reduction Synergies of Advanced Engine Design and Fuel Octane Number". SAE Technical Paper 2014-01-2610, 2014, <http://dx.doi.org/10.4271/2014-01-2610>.

Proposed by: EFOA

14. Landalv I., Gebart R., Marke B., Granberg F., Furusjo E., Lownertz P., Ohrman O.G.W., Sorensen E.L., Salomonsson P.: "Two Years Experience of the BioDME Project—A Complete Wood to Wheel Concept". *Environmental Progress & Sustainable Energy*, Volume 33, Issue 3, pp. 744-750, 2014. <http://dx.doi.org/10.1002/ep.11993>.

Proposed by: SGAB Core Team

15. NEN: "Diesel grade permission and diesel grade warranties - Background information to the study on the stability and robustness of actual FAME under Horizon 2020". [Ortwin. Costenoble, Evelien Korbee]. Report following a Specific Agreement SC3/WP52014-2015B2.5. Vlinderweg 6, 2623 AX, February 2016, The Netherlands.

Proposed by: SGAB Core Team

16. Oasmaa A., Beld B. van de, Saari P., Elliott D.C., Solantausta Y.: "Norms, Standards, and Legislation for Fast Pyrolysis Bio-oils from Lignocellulosic Biomass". *Energy Fuels* 2015, Volume 29, pp. 2471–2484. DOI: 10.1021/acs.energyfuels.5b00026.

Proposed by: SGAB Core Team

17. Searle Y. St., Malins, J. Chr.: "Waste and residue availability for advanced biofuel production in EU Member States". *Biomass and Bioenergy* Volume 89, pp. 2-10, 2016. DOI: <http://dx.doi.org/10.1016/j.biombioe.2016.01.008>.

Proposed by: Chris Malins

18. Turner J., Pearson R., McGregor M., Ramsay J. et al.: "GEM Ternary Blends: Testing Iso-Stoichiometric Mixtures of Gasoline, Ethanol and Methanol in a Production Flex-Fuel Vehicle Fitted with a Physical Alcohol Sensor". SAE Technical Paper 2012-01-1279, 2012, doi:10.4271/2012-01-1279.

Proposed by: Methanol Institute