



CAAFI – CORE-JetFuel Cooperation Workshop

AGENDA

28 April 2016 in Alexandria, USA

Timing: 28 April 2016, 09:00 – 16:30
Venue: Embassy Suites by Hilton Alexandria Old Town, Alexandria, Virginia
Room: Carter Room

This CAAFI CORE-JetFuel cooperation workshop takes place on the occasion of the FAA (Federal Aviation Administration) ASCENT SPRING Meeting on 25-29 April 2016.

Contact persons

Rainer Janssen, Dominik Rutz
WIP – Renewable Energies, Germany
Tel. +49 (0) 89 720 12743, Fax +49 (0) 89 720 12791
E-Mail: rainer.janssen@wip-munich.de, dominik.rutz@wip-munich.de

Johannes Michel
Fachagentur Nachwachsende Rohstoffe e.V. (FNR), Germany
Tel.: +49 (0) 3843 6930 250, Fax: +49 (0) 3843 6930 102
E-Mail: j.michel@fnr.de

Steve Csonka
Executive Director, CAAFI
Tel. +1 513 800 7980
E-Mail: Csonka.CAAFI.ED@gmail.com



CORE-JetFuel is co-funded by the European Commission in the 7th Framework Programme (Project No. FP7-605716) – www.core-jetfuel.eu

Workshop Objectives

This workshop is jointly organised by the US **Commercial Aviation Alternative Fuels Initiative (CAAFI)** and the project **CORE-JetFuel** (Coordinating research and innovation of jet and other sustainable aviation fuel) supported by the European Commission in the 7th Framework Programme.

The main aim of this workshop is to **facilitate discussion among experts from the US and Europe in the area of alternative fuels for aviation.**

Topics discussed include:

- Policy options for large-scale deployment of alternative aviation fuels
- Promising production technologies and value chains
- Impact of present low oil prices on investments in alternative aviation fuels
- Harmonisation of sustainability requirements
- Coordination of alternative fuel stakeholder's strategy in the field of aviation
- Setting-up stakeholder initiatives for alternative aviation fuels - status in EU and lessons learnt from CAAFI

In addition to this joint workshop on 28 April 2016, **members of the European delegation will be invited to join presentations of alternative fuels projects on 27 April 2016** in the framework of the FAA Center of Excellence for alternative jet fuels and environment (ASCENT) SPRING MEETING.

Anticipated participation at this workshop is about 10 experts from Europe and 20-25 experts from the US.



Workshop Agenda

Thursday, 28 April 2016 (09:00-16:30)

- 09:00 **Welcome to the Workshop**
STEVE CSONKA, CAAFI, USA
RAINER JANSSEN AND DOMINIK RUTZ, WIP RENEWABLE ENERGIES, GERMANY
- 09:10 **Introduction to CAAFI**
STEVE CSONKA, FAA, USA
- 09:30 **INTRODUCTION TO CORE-JETFUEL**
JOHANNES MICHEL, FNR, GERMANY
- 09:50 **Alternative Aviation Fuels – Status in the US**
STEVE CSONKA, CAAFI, USA
- 10:20 **Alternative Aviation Fuels – Status in Europe**
REMY DENOS, EUROPEAN COMMISSION, DG ENERGY
- 10:50 *Coffee break*
- 11:20 - 12:20 **Discussion Panel I: Supply Chain Development and Deployment of Alternative Fuels**
- 11:20 **Introductory presentation US**
NATE BROWN, FAA, USA
- 11:30 **Introductory presentation EU**
MARIA DE LA RICA JIMÉNEZ, SENASA, SPAIN
- 11:40 **Discussion Panel I**
MODERATION: NATE BROWN, FAA AND MARIA DE LA RICA JIMÉNEZ, SENASA
PARTICIPANTS:
- ALL WORKSHOP PARTICIPANTS
- 12:20 – 13:50 **Lunch break**



13:50–
14:40 **Discussion Panel II: Promising production technologies and value chains**

13:50 **Introductory presentation US**
ZIA HAQ, U.S. DEPARTMENT OF ENERGY, USA

14:00 **Introductory presentation EU**
ALAIN QUIGNARD, IFPEN, FRANCE

14:10 **Brief Introductory to the EU Project ITAKA**
INMACULADA GOMEZ JIMENEZ, SENASA, SPAIN

14:15 **Discussion Panel II**
MODERATION: ZIA HAQ, U.S. DOE AND ALAIN QUIGNARD, IFPEN / ANDREAS SIZMANN, BAUHAUS LUFTFAHRT
PARTICIPANTS:

- ALL WORKSHOP PARTICIPANTS

14:40–
15:30 **Discussion Panel III: Sustainability**

14:40 **Introductory presentation US**
NANCY YOUNG, AIRLINES FOR AMERICA (A4A), USA

14:50 **Introductory presentation EU**
HORST FEHRENBACH, IFEU, GERMANY

15:00 **Discussion Panel III**
MODERATION: NANCY YOUNG, A4A, USA AND JOHANNES MICHEL, FNR, GERMANY
PARTICIPANTS:

- ALL WORKSHOP PARTICIPANTS

15:30 *Coffee break*

16:00–
16:30 **Discussion Panel IV: Stakeholder initiatives for alternative aviation fuels – Progress and perspectives**

16:00 **Discussion Panel IV**
MODERATION: STEVE CSONKA, CAAFI AND MARIA DE LA RICA JIMÉNEZ, SENASA / RAINER JANSSEN, WIP RENEWABLE ENERGIES
PARTICIPANTS:

- ALL WORKSHOP PARTICIPANTS

16:30 **Summary**



Brief description of projects and initiatives



The **CORE-JetFuel project** supports the European Commission in its analysis and evaluation of research and innovation projects in the field of sustainable alternative fuels for aviation. It links initiatives and projects at the EU and Member State level, serving as a focal point in this area to all public and private stakeholders.

CORE-JetFuel addresses competent authorities, research institutions, feedstock and fuel producers, distributors, aircraft and engine manufactures, airlines and NGOs. The project is aimed to identify needs in research, standardization, innovation, deployment, and policy measures at European level and to set up a European network of excellence for alternative fuels in aviation to bring together technical expertise and provide an integrated approach to alternative aviation fuels.

For more information, please visit: www.core-jetfuel.eu



The **Commercial Aviation Alternative Fuels Initiative (CAAFI)** seeks to enhance energy security and environmental sustainability for aviation through alternative jet fuels. CAAFI is a coalition that focuses the efforts of commercial aviation to engage the emerging alternative fuels industry. It enables its diverse participants - representing all the leading stakeholders in the field of aviation - to build relationships, share and collect data, identify resources, and direct research, development and deployment of alternative jet fuels.

For more information, please visit: www.caafi.org



Workshop Participants

Name	Organisation	Country	Email
Johannes Michel	FNR	Germany	J.Michel@fnr.de
Rainer Janssen	WIP – Renewable Energies	Germany	rainer.janssen@wip-munich.de
Dominik Rutz	WIP – Renewable Energies	Germany	dominik.rutz@wip-munich.de
Maria de la Rica Jiménez	SENASA	Spain	mmrica@senasa.es
Inmaculada Gomez Jimenez	SENASA	Spain	igomez@senasa.es
Alain Quignard	IFPEN	France	alain.quignard@ifp.fr
Andreas Sizmann	Bauhaus Luftfahrt	Germany	Andreas.Sizmann@bauhaus-luftfahrt.net
Horst Fehrenbach	IFEU	Germany	horst.fehrenbach@ifeu.de
David Chiaramonti	University of Florence	Italy	david.chiaramonti@unifi.it
Franziska Mueller-Langer	DBFZ	Germany	Franziska.Mueller-Langer@dbfz.de
Remy Denos	European Commission – DG ENERGY	Belgium	Remy.DENOS@ec.europa.eu
Steve Csonka	CAAFI	USA	csonka.caafi.ed@gmail.com
Zia Haq	Department of Energy	USA	Zia.Haq@ee.doe.gov
Nate Brown	FAA	USA	Nathan.Brown@faa.gov
Mark Rumizen	FAA	USA	Mark.Rumizen@faa.gov
Mohan Gupta	FAA	USA	Mohan.I.gupta@faa.gov
Dan Williams	FAA	USA	Daniel.williams@faa.gov
Aniel Jardines	FAA	USA	Aniel.Jardines@faa.gov
Peter Herzig	DOT/Volpe	USA	Peter.Herzig@dot.gov
Kristin Lewis	DOT/Volpe	USA	Kristin.Lewis@dot.gov
Robert Malina	MIT	USA	rmalina@MIT.EDU
Chris Tindal	Department of the Navy	USA	chris.tindal@navy.mil
Bret Strogen	Department of Defence	USA	bret.m.strogen.ctr@mail.mil



Name	Organisation	Country	Email
Nancy Young	Airlines for America	USA	nyoung@airlines.org
Rob Myrben	Airlines for America	USA	rmyrben@airlines.org
Ralph Cavaliere	Washington State University	USA	cavaliere@wsu.edu
Mike Wolcott	Washington State University	USA	Wolcott@wsu.edu
Mike Gaffney	Washington State University	USA	mgaffney@wsu.edu
Scott Turn	University of Hawaii	USA	sturn@hawaii.edu
Trevor Morgan	University of Hawaii	USA	tmorgan@hawaii.edu
Steve Baughcum	Boeing	USA	steven.l.baughcum@boeing.com
Michael Lakeman	Boeing	USA	michael.b.lakeman@boeing.com
Bruno Miller	Fulcrum	USA	bmiller@fulcrumbioenergy.com
Charles Murphy	Metron	USA	Charles.murphy@metronaviation.com
Ted MacDonald	Transport Canada	Canada	ted.mcdonald@tc.gc.ca
Med Colket	UTRC	USA	med@colket.org
Caroline Clifford	Pennsylvania State University	USA	ceb7@psu.edu
Katherine Zipp	Pennsylvania State University	USA	kzy1@psu.edu
Sasha Zaporozhets	Ukraine National Aviation University	Ukraine	zap@nau.edu.ua
Joelle Simonpietri	University of Hawaii	USA	joelle@arl.hawaii.edu
Olivier Penanhoat	SNECMA	France	olivier.penanhoat@sncma.fr

