



bioenergy2020+

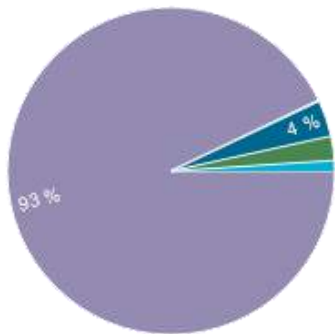
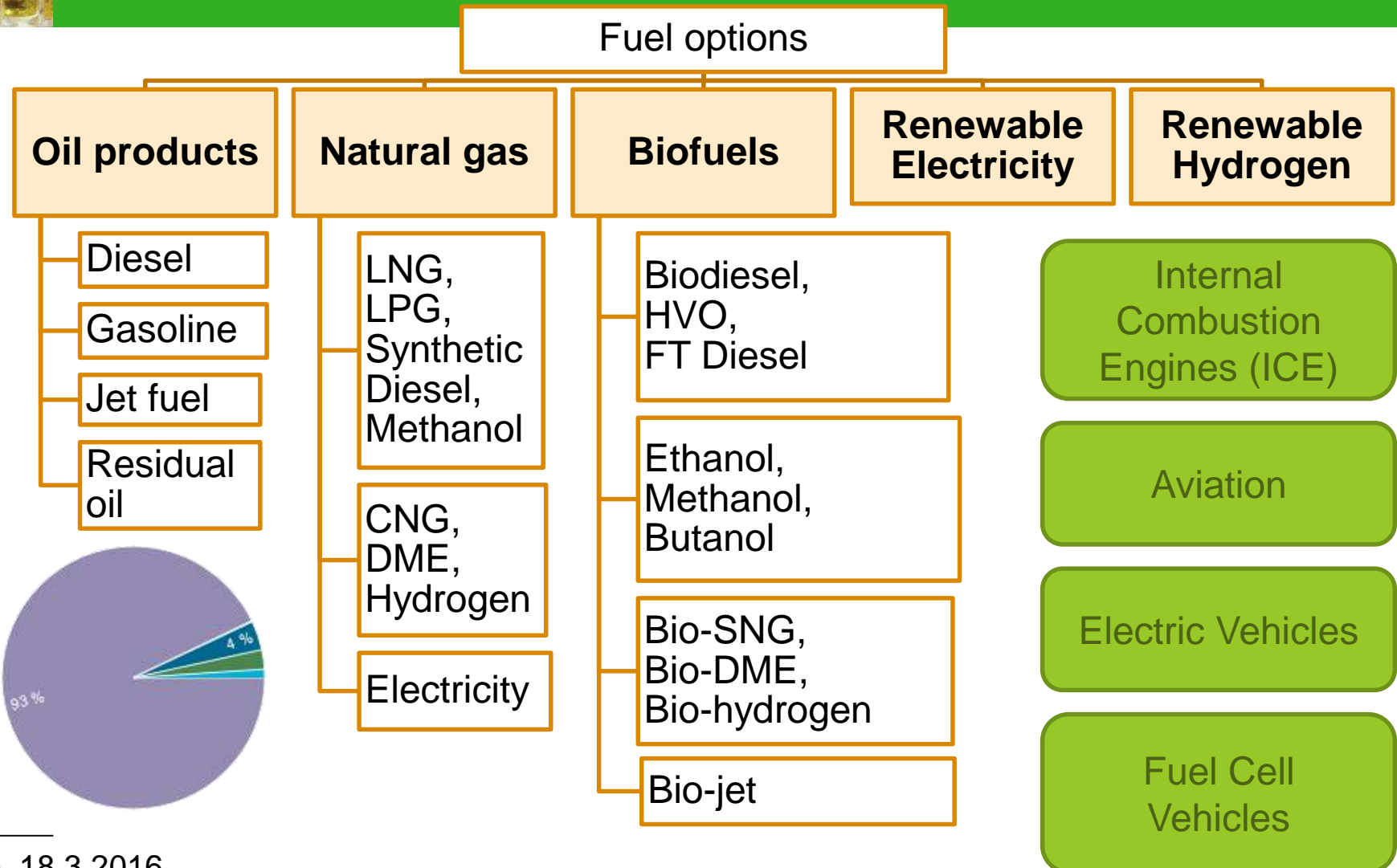
IEA Bioenergy Task 39 Commercializing Liquid Biofuels

Fachgespräch Bioenergieforschung
Dina Bacovsky

Wien, 18.3.2016



Fuel options by source





Clean Power for Transport: A European alternative fuels strategy (2013)

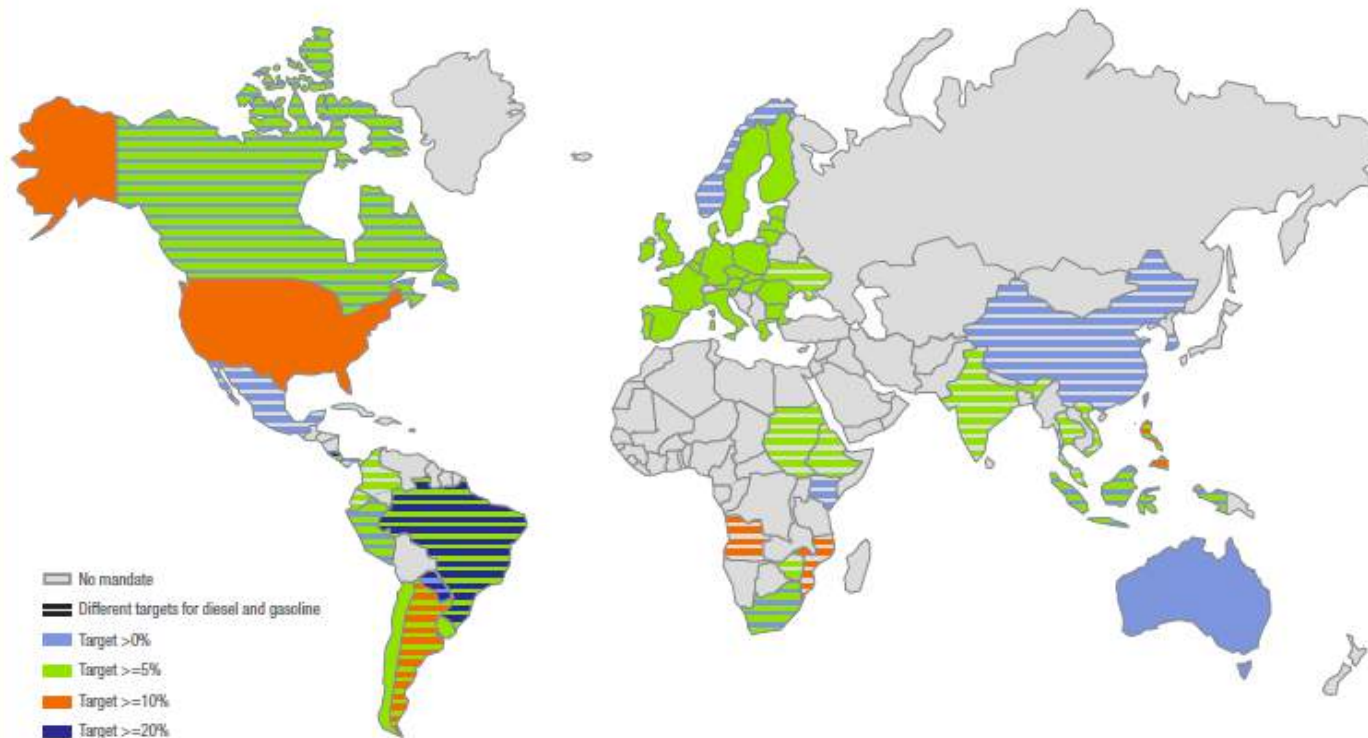
comprehensive mix of alternative fuels

EU-wide availability and common technical specifications should be provided for all alternative fuels

Fuel	Mode Range	Road-passenger			Road-freight			Air	Rail	Water		
		short	medium	long	short	medium	long			inland	short-sea	maritime
LPG												
Natural Gas	LNG											
	CNG											
Electricity												
Biofuels (liquid)												
Hydrogen												



Biofuels mandates



Source: „Low carbon transport fuels“ report,
<http://www.wbcsd.org/low-carbon-fuel-companies-unite-to-present-opportunities-to-reduce-greenhouse-g.aspx>



EU Politik

RED Amendment

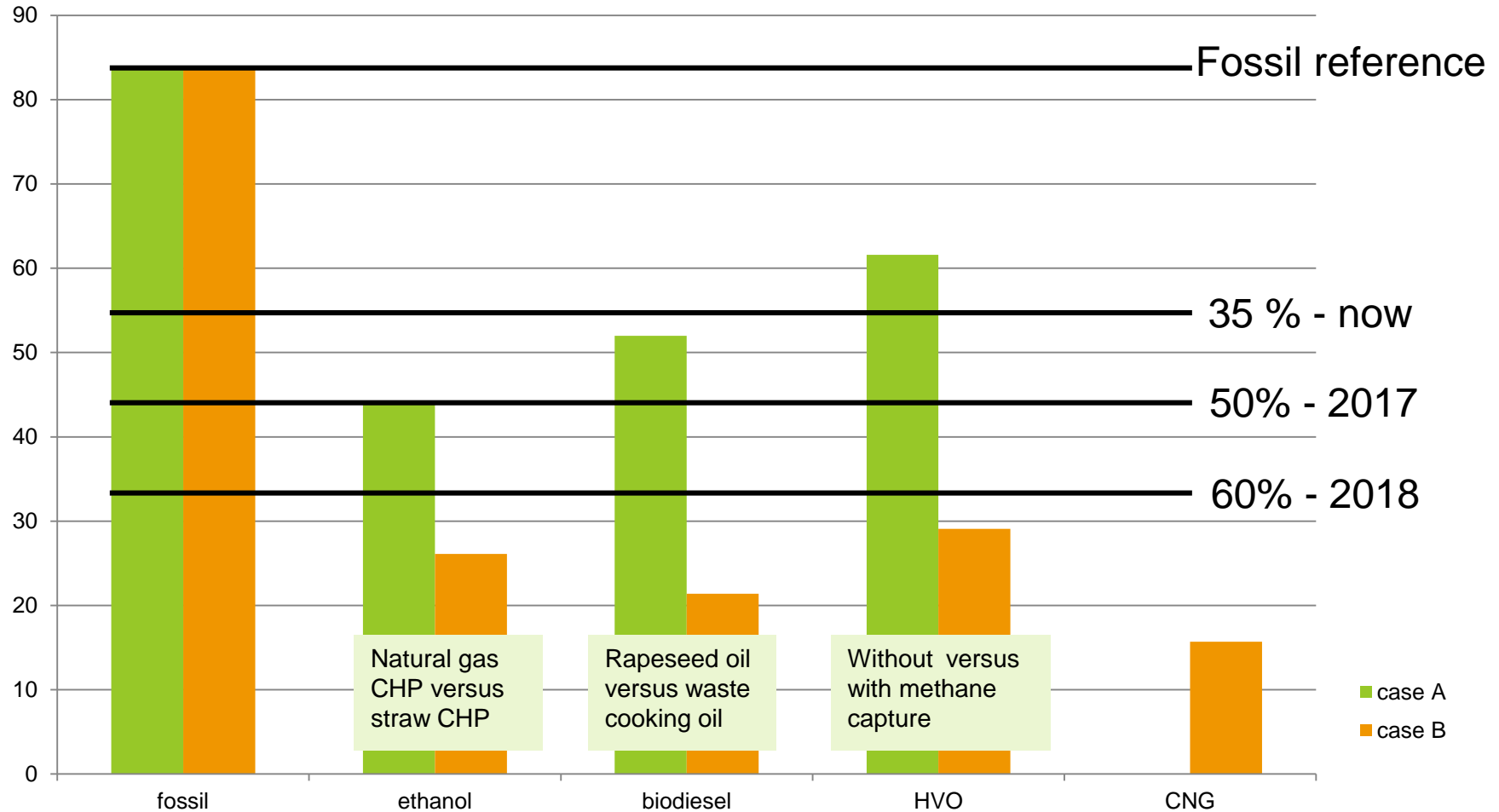
- Changing from a goal of 10 % (by energy) renewables in the fuel mix, which need to meet 60% reduction in GHG, by 2020 to:
 - Cap of 7% for biofuels from food crops
 - Indicative specific target of 0,5% for advanced biofuels proposed but left to member states to enforce this (from seaweed or waste)
 - Inclusion of ILUC factors in GHG reduction reporting

Published 9 September 2015

[Directive to reduce indirect land use change for biofuels and bioliquids \(\(EU\)2015/1513\)](#)



GHG emissions – selected values [gCO₂eq/MJ]





Biotreibstoffe in Österreich

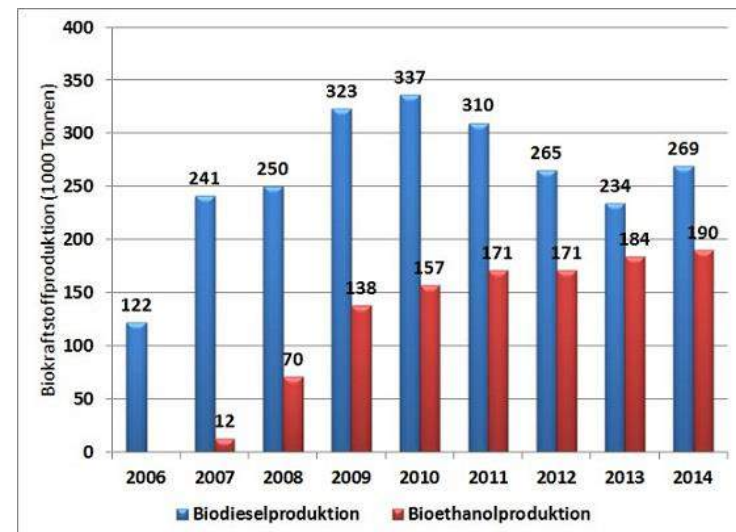
B7 and E5; in 2014: 7,7 % biofuels on the market

- Agrana Bioethanol
- ABID Biotreibstoffe
- BioDiesel Kärnten
- Eco Fuels Danube
- Münzer Bioindustrie
- Novaol Austria



Biokraftstoffe im Verkehrssektor 2015

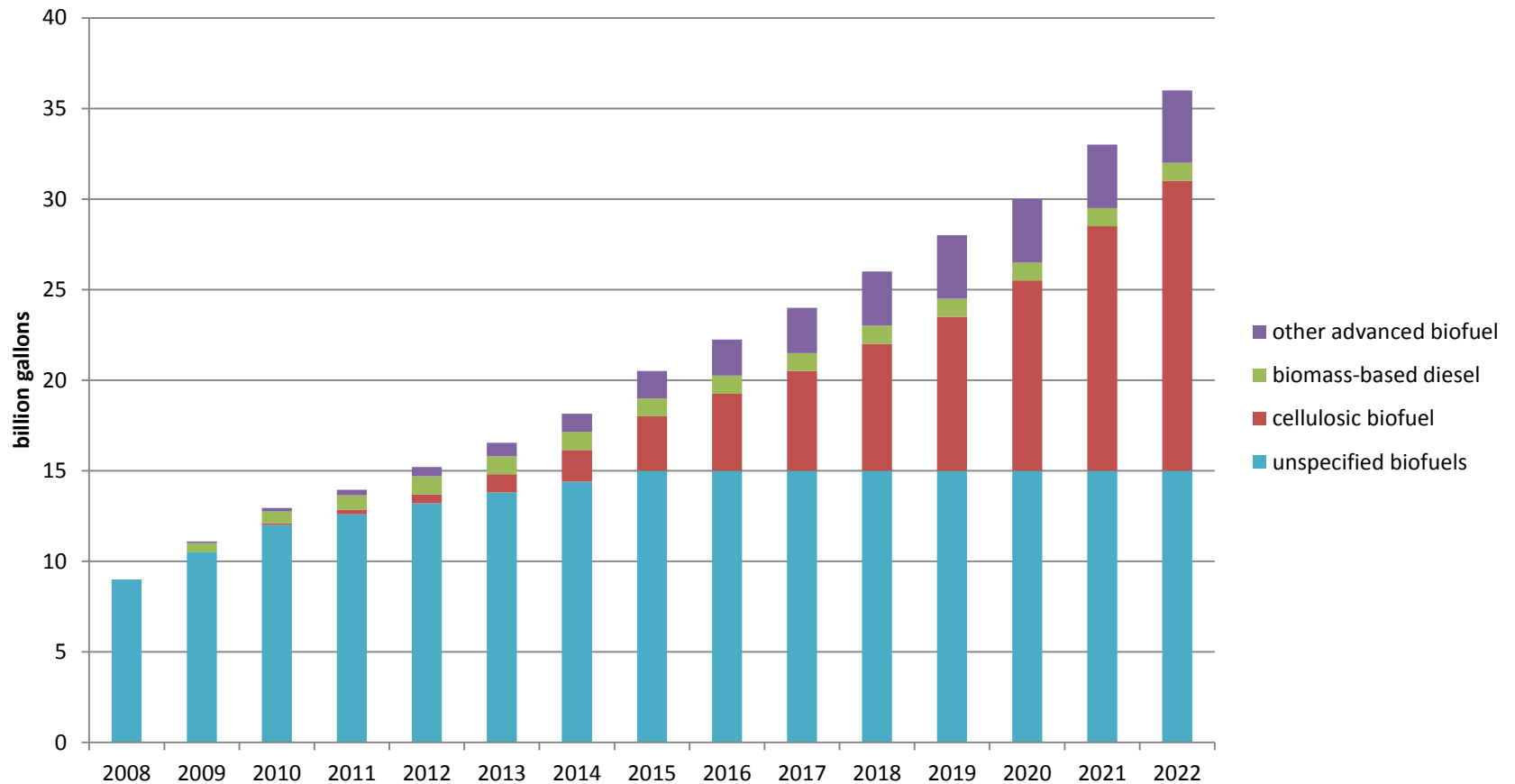
<https://www.bmlfuw.gv.at/umwelt/luft-laerm-verkehr/verkehr-laermschutz/alternatkraftstoffe/biokraftstoffbericht.html>





USA: RFS2 mandated volumes

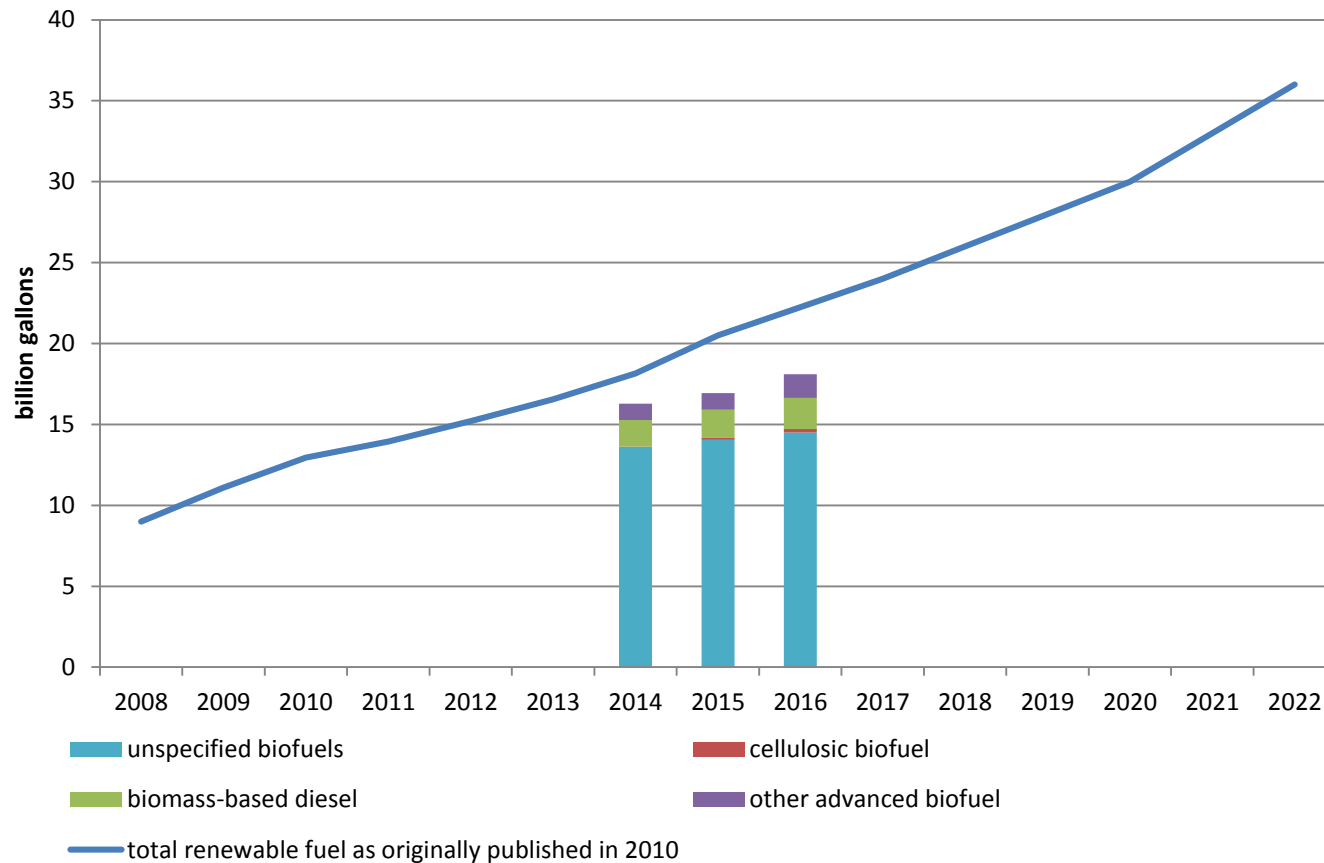
RFS2 volumes as mandated Feb 2010





USA: RFS2 revised mandated volumes

RFS2 volumes as mandated Nov 2015



Cellulosic ethanol facilities

Company	Country	Capacity [t/y]	Start-up
Du Pont	United States	87.000	2015
Abengoa	United States	75.000	2014
POET-DSM Advanced Biofuels	United States	75.000	2014
GranBio	Brazil	65.000	2014
Beta Renewables	Italy	40.000	2012
Cane Technology Center (CTC)	Brazil	40.000	2012
INEOS Bio	United States	24.000	2013
Borregaard Industries AS	Norway	15.800	1938



Task 39 Berichte in Bearbeitung

- Potential for Algal Biofuels Production
- Assessment of LCA tools and models with respect to biofuels and their sustainability
- Advanced fuels in advanced engines – in cooperation with AMF Annex 52 “Fuels for Efficiency”
- Review the status of conventional and advanced biofuels demonstration and commercial facilities
- Update of drop-in report, specifically focusing on aviation and maritime fuels



Nationale Termine Task 39

Geplant:

Nationaler Workshop Biotreibstoffe, September 2016

derzeit noch in Abstimmung mit bmvit

Thank you for your attention!



IEA Advanced Motor Fuels:

www.iea-amf.org

IEA Bioenergy Task 39:

www.task39.org

Online database:

<http://demoplants.bioenergy2020.eu>

Netzwerk Biotreibstoffe:

www.nwbt.at

Dina Bacovsky

+43-7416-52238-35

dina.bacovsky@bioenergy2020.eu

www.bioenergy2020.eu

