



Zukunft tanken.

RED II – No Concept, only Cosmetics

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RED II – Key Elements and Implications for the Market

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VDB

Producers:

- 12 Biodiesel-Plants

2.3 Mio. t

Feedstocks:

- Rapeseed
- UCO / Tallow / Fatty Acids
- Palm, Soy

1 Member: Biodiesel / Bioethanol / Biomethane

Title

RED II – no concept, only cosmetics:

- Sector: Transport
- no coherent Continuation of the RED I
- no Increase of the Renewables' Share
- no systematic Development: Technology & Market

RED II

Renewable Energy Directive II (2030):

- Electricity
- Heating
- Transport

Genesis

centrifugal Development of the EU:

- no uniform Targets
- no sectoral Targets

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- Transport

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U-turn of Biofuels' Polity:

- Campaign against agricultural Biomass

Genesis

centrifugal Development of the EU:

- no uniform Targets
- no sectoral Targets

EU: 32%

Exception:

- Transport

all: 14%

U-turn of Biofuels' Politycy:

- Campaign against agricultural Biomass

weird Plan
of Member States

weird COM-Proposal

weird Result of the Trilogue

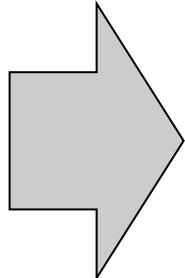
Structure

Advanced Biofuels	2G	Annex IX Part A
Waste/Residue based Biofuels		Annex IX Part B
E-Mobility Road		--
E-Mobility Rail		--
Conventional Biofuels	1G	agricultural Biomass

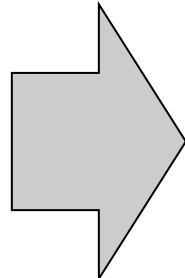
Advanced Biofuels

Straw
Municipal Waste
Biomass fraction of
Industrial Waste
Animal Manure

Crude glycerine
Bagasse
Grape marcs and wine
lees
Nut shells, Husks, Cobs
Wood Wastes
Ligno-cellulosic Material

 **Gasoline**

Algae
Tall Oil
POME
Wood waste

 **Diesel**

Cosmetics

	RED I
	(2020)
nominal	10%
physical	7%

Cosmetics

	RED I	RED II
	(2020)	(2030)
nominal	10%	14%
physical	7%	7,35%

Cosmetics

Halt for Renewables
in Transport

Zero-sum Game:
2G instead of 1 G

	RED I	RED II
	(2020)	(2030)
nominal	10%	14%
physical	7%	7,35%

RED II: Physische und rechnerische EE-Anteile

	Physisch	Multiplikator	Rechnerisch
Anhang IX Teil A	1,75%	2	3,5%
Anhang IX Teil B	1,70%	2	3,4%
E-Mobilität-Straße	0,90%	4	3,6%
E-Mobilität-Schiene	1,00%	1,5	1,5%
LÜCKE KONVENT. BIOKR.	2,00%	1	2,0%
GESAMT EE-Anteil	7,35%		14,0%

Anmerkung: Das RED II-Ziel (14%) wird erreicht.

1G halved

RED II: Physisc

The Capital is a shy Deer.

Anhang IX Teil A			%
Anhang IX Teil B			%
E-Mobilität-Straße	0,90%	4	3,6%
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RED II-Transport Target

Biofuels

- 1G dismantled
- 2G rather unambitious

E-Mobility Road & Rail

- Windfall Profit

PtX

- no Incentive

EU-Regulations

RED II-Transport Target

RED II-Total Target

ESR

CO2-Fleet Target LDV, HDV

Clean Vehicle Directive

Renewables

GHG-Reduction

Electrification

Effects

EU

RED II-Total Target

RED II-Transport Target

Member State

individual

if necessary > 14%

RED II-Transport Target

ESR

Renewables

sufficient?

more demanding?

ESR = non-ETS

ESR	Germany
Heating	Climate Action Plan 2050
Agriculture	
Transport	
2030-Targets	

Climate Action Plan 2050

	2020	2030
Share of Renewables	10%	20%
GHG-Emissions (Basis: 1990)	126 Mio. t. (-24%)	93 Mio. t. (-44%)

Beitrag des Verkehrssektors zu den Gesamtzielen („angemessener Beitrag“)
Quelle: Energierferenzprognose (S. 282)

+6,5 Mio. E-Vehicles

Climate Action Plan 2050

	2020	2030
Share of Renewables	10%	20%
GHG-Emissions (Basis: 1990)	100 Mio. t	116 Mio. t

16% GHG-Mandate

Beitrag des Verkehrssektors zu den Gesamtzielen („angemessener Beitrag“)
Quelle: Energierferenzprognose (S. 282)

NECP (National Energy and Climate Plan)

Transposition of the Member State

RED II-Transport Target

RED II-Total Target

ESR

NECP