

# Biofuels in Austria

Reporting Year 2014

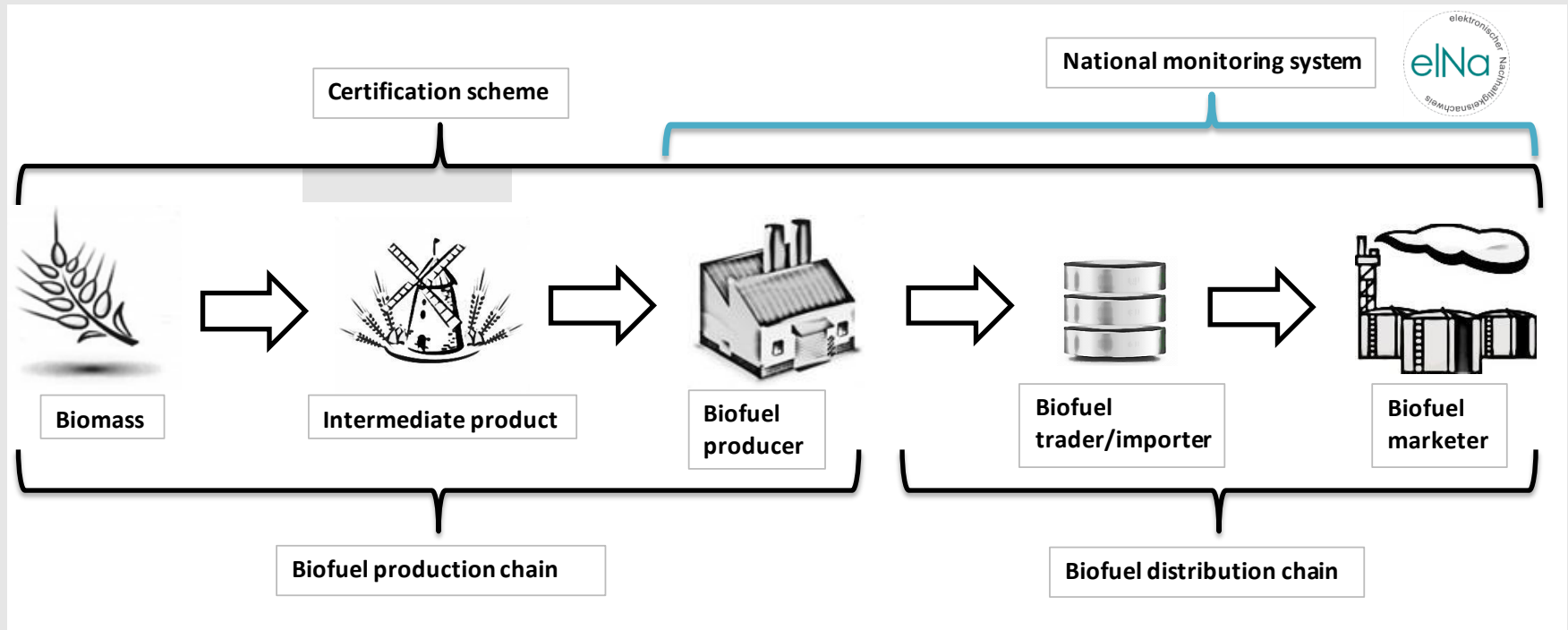
Günther Lichtblau, Umweltbundesamt

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# National biofuel register - e/Na

- Monitoring of all (finished) biofuel activities within national territory



# National biofuel register II

## Database was established for reasons of

- Verification of data (within the system & on-site auditing)
- Collection of data to fulfill reporting obligations (national & EU)
- Providing reliable information for tax exemptions

## Core Features of Database

- Comparable setup to German Nabisy (interface established)
- Issuing PoS for Producers & Importers
- Transfer of PoS from other countries (csv. – data import)
- Parting of consignments, trading & marketing them
- Includes automatic reporting for companies (Substitution)
- Data Export for users (csv.)
- 2 Versions available – productive & training

## Integration of further reporting obligations

- ILUC & FQD 7a

Biokraftstoffsorte	Gewicht	Volumen	Ursprungsland	GWh	DC	THG
Biodiesel (FAME)	t	m³	UNBEKANNT	0,001	n/n/n	t
Fischer-Tropisch-Diesel	190000 t	129366,1 m³	UNBEKANNT	1222,222	ja	144000 t
<b>Summe</b>	<b>100000 t</b>	<b>129366,1 m³</b>	<b>UNBEKANNT</b>	<b>1222,222</b>	<b>ja</b>	<b>144000 t</b>

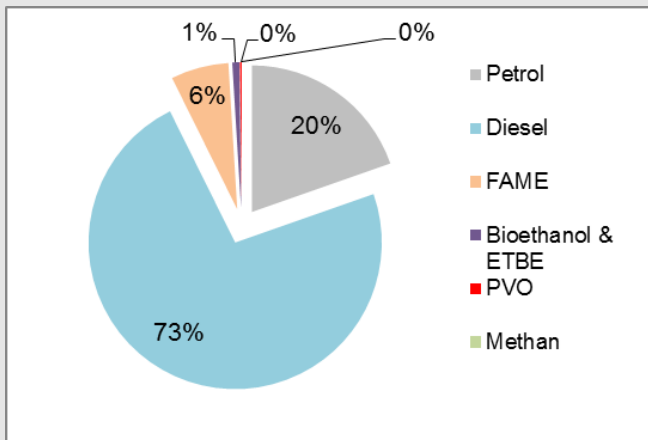
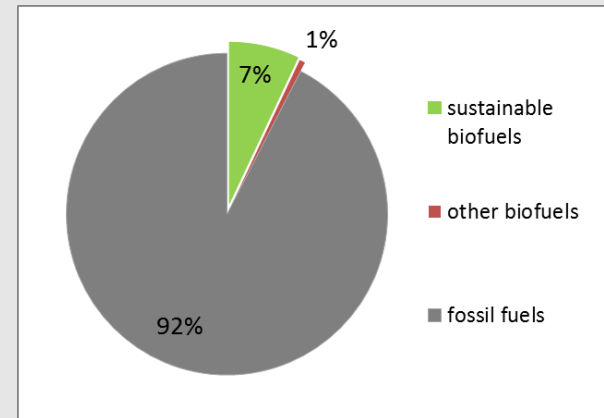
Name	gültig bis	erhalten am	Menge	Kraftstoff	Operation	Quartal	PDF
I-ygfr-12197	26. Nov. 2013 06:07	28. Apr. 2014 08:47	29,422m³	Biodiesel (FAME)	🔄 ⏪ ⏩ ⌂	2014 Q1	PDF
I-xwkr-12198	26. Nov. 2013 09:08	28. Apr. 2014 08:46	30,08m³	Biodiesel (FAME)	🔄 ⏪ ⏩ ⌂	2014 Q1	PDF
I-mwzc-12199	26. Nov. 2013 09:19	28. Apr. 2014 08:46	29,17m³	Biodiesel (FAME)	🔄 ⏪ ⏩ ⌂	2014 Q1	PDF
I-gvrd4-18837	27. Mär. 2014 11:33	27. Mär. 2014 11:33	100000t	Fischer-Tropisch-Diesel	In-Verkehr gebracht am 27. Mär. 2014 11:33	2014 Q1	PDF
TH-mjfr-11585-001	21. Nov. 2013 07:58	25. Feb. 2014 11:20	0,25m³	Bioethanol	🔄 ⏪ ⏩ ⌂	2013 Q4	PDF
TH-hjkr-14029-006	30. Dez. 2013 12:27	25. Feb. 2014 11:04	0,024m³	Bioethanol	🔄 ⏪ ⏩ ⌂	2013 Q4	PDF
TI-hydp-296-015	18. Apr. 2013 11:41	25. Feb. 2014 10:42	0,348m³	Hydratisiertes Pflanzenöl/hydrated vegetable oil	🔄 ⏪ ⏩ ⌂	2013 Q4	PDF

# Biofuels in Austria – Fuels marketed

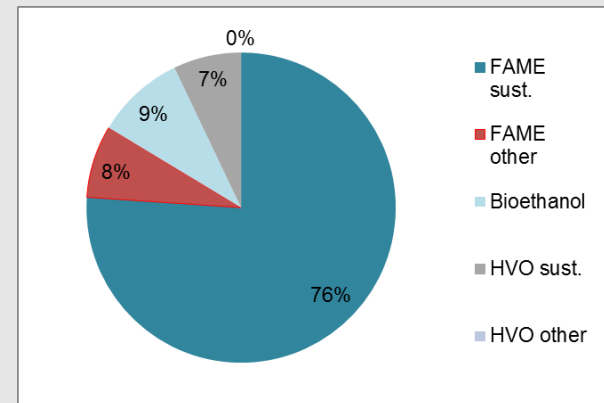
Total fuels marketed

RJ 2014 - overall figures	Tonns	GWh
Petrol	1.536.217	18.285
Diesel	5.694.520	68.018
FAME blendet	433.547	4.456
FAME other (66% Sust.)	142.986	1.470
Bioethanol & ETBE blendet	87.688	731
HVO	41.145	503
PVO	16.028	165
Methan	601	8
<hr/>		
Biofuels blendet (standard)	521.235	5.187
Biofuels pure or higher blending	200.760	2.145

„feedstock“

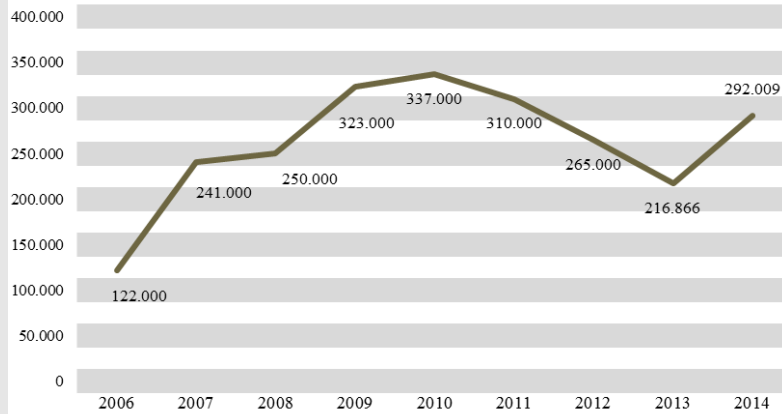


biofuel grades

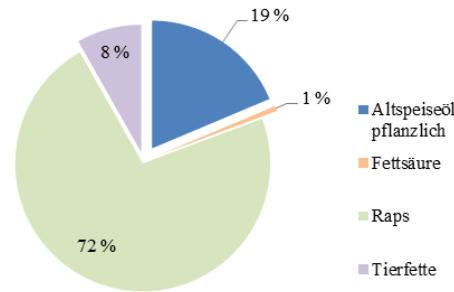


# Biofuels in Austria – Domestic production

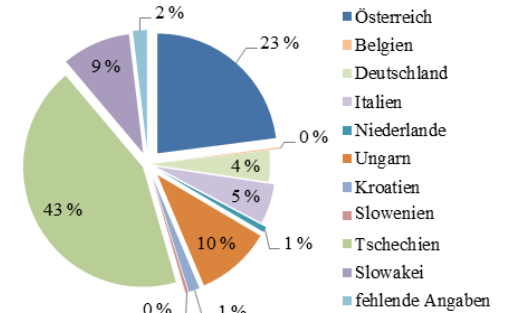
**Inland FAME Production (tons)**



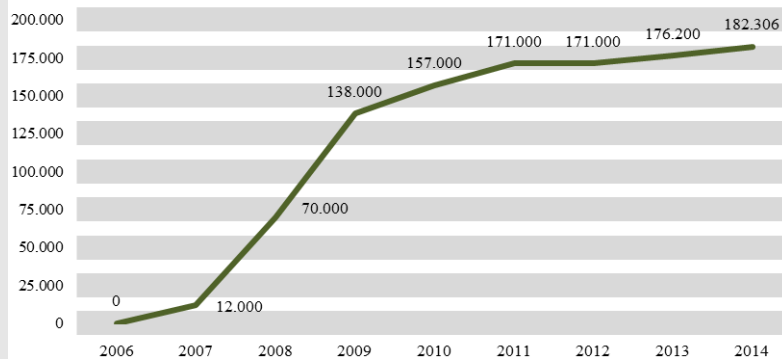
**Rawmaterial FAME Production**



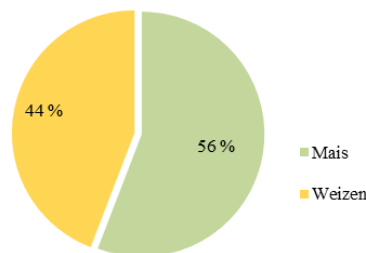
**Country of origin**



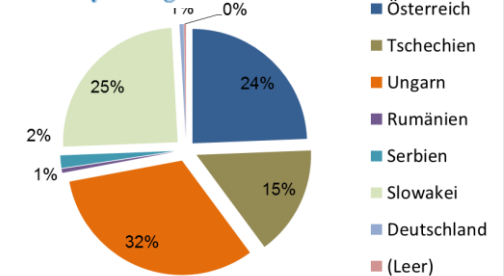
**Inland Ethanol Production (tons)**



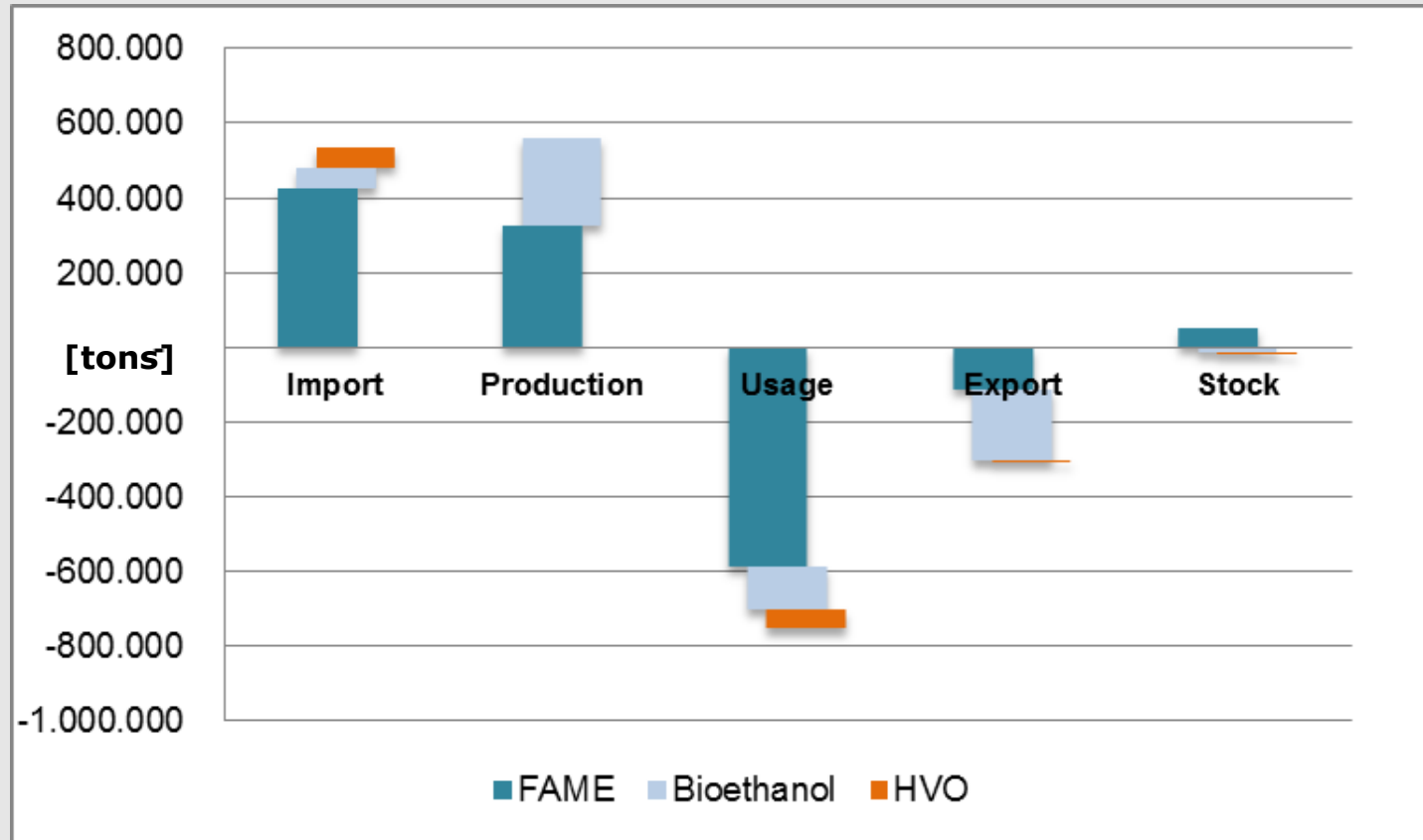
**Rawmaterial Ethanol Production**



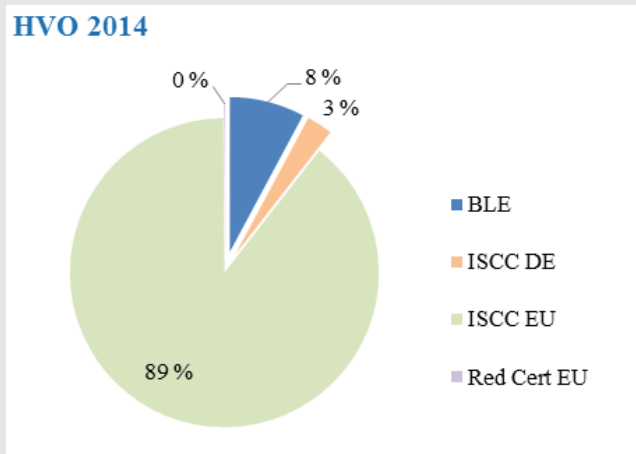
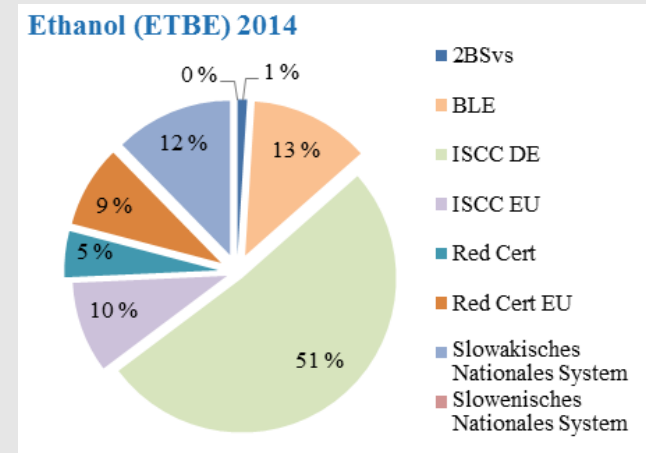
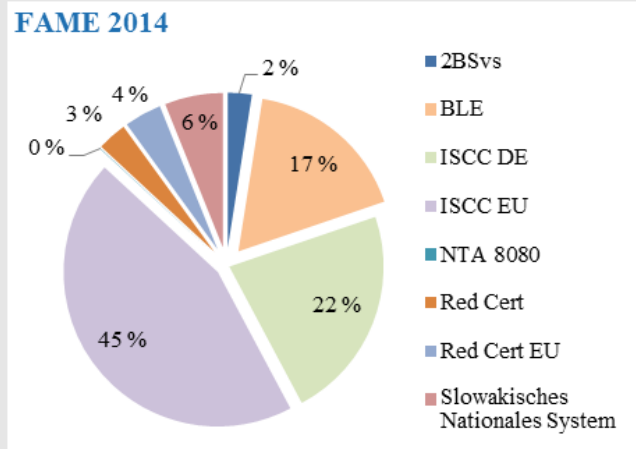
**Country of origin**



# Biofuels in Austria – Market overview



# Biofuels in Austria – Certification schemes for marketed biofuels



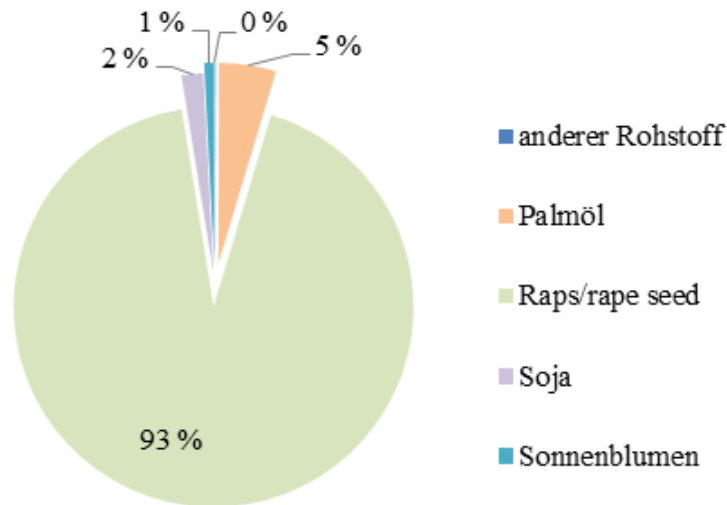
VS used seem to be “linked” to Feedstock resp. Biofuel produced

- FAME app. 45% ISCC EU, 22% ISCC DE
- Ethanol app. 10% ISCC EU, 50% ISCC DE
- HVO mainly (92%) ISCC EU

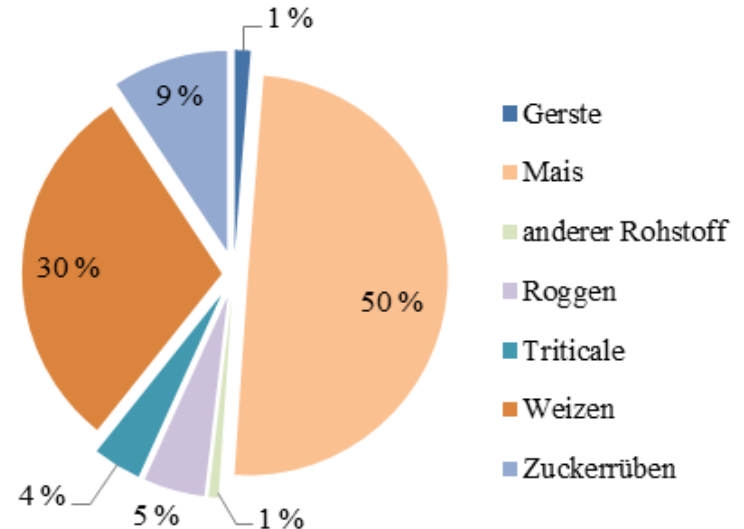


# Biofuels in Austria – Feedstock of marketed biofuels

Rawmaterial FAME marketed



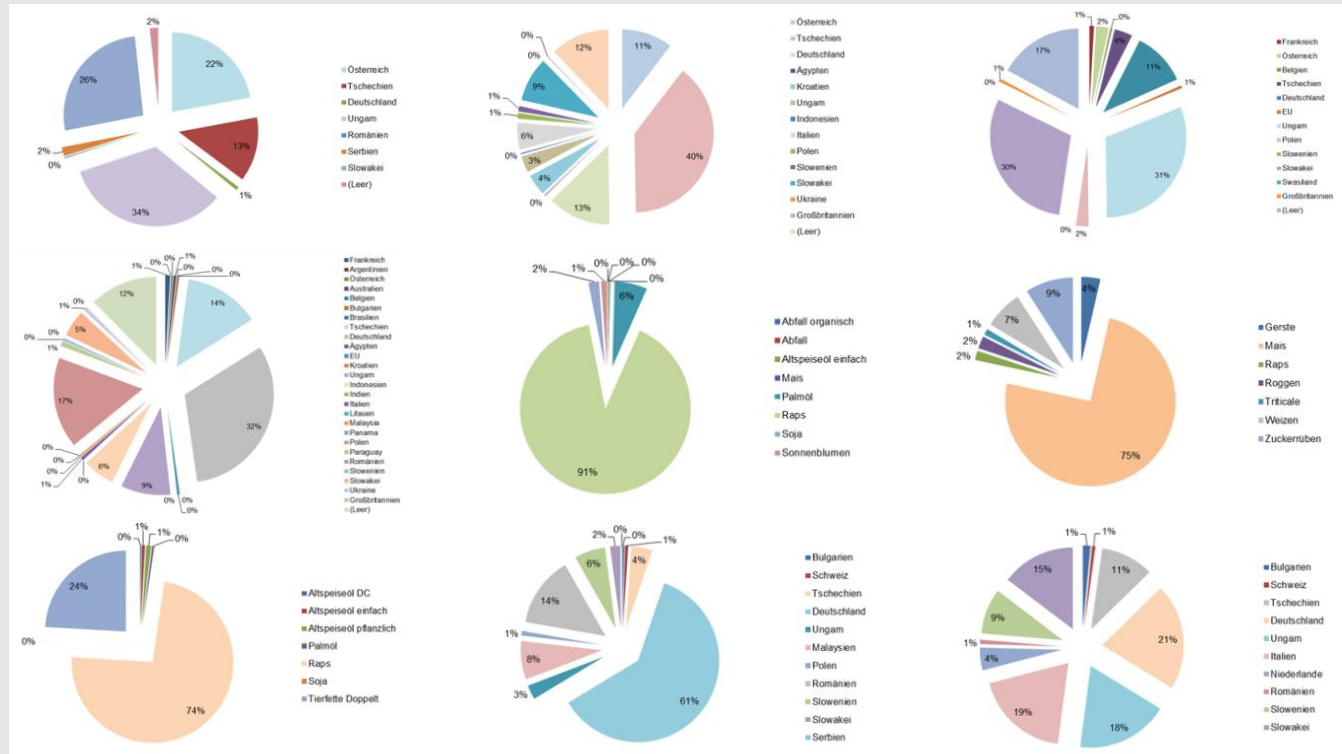
Rawmaterial Bioethanol marketed



FAME	Volume [m³]	Mass [tons]	Share [%]
European Union	477.920	426.305	81,3%
3rd Countries	33.909	30.246	5,8%
Missing Data	76.136	67.914	12,9%
<b>Total</b>	<b>587.965</b>	<b>524.465</b>	

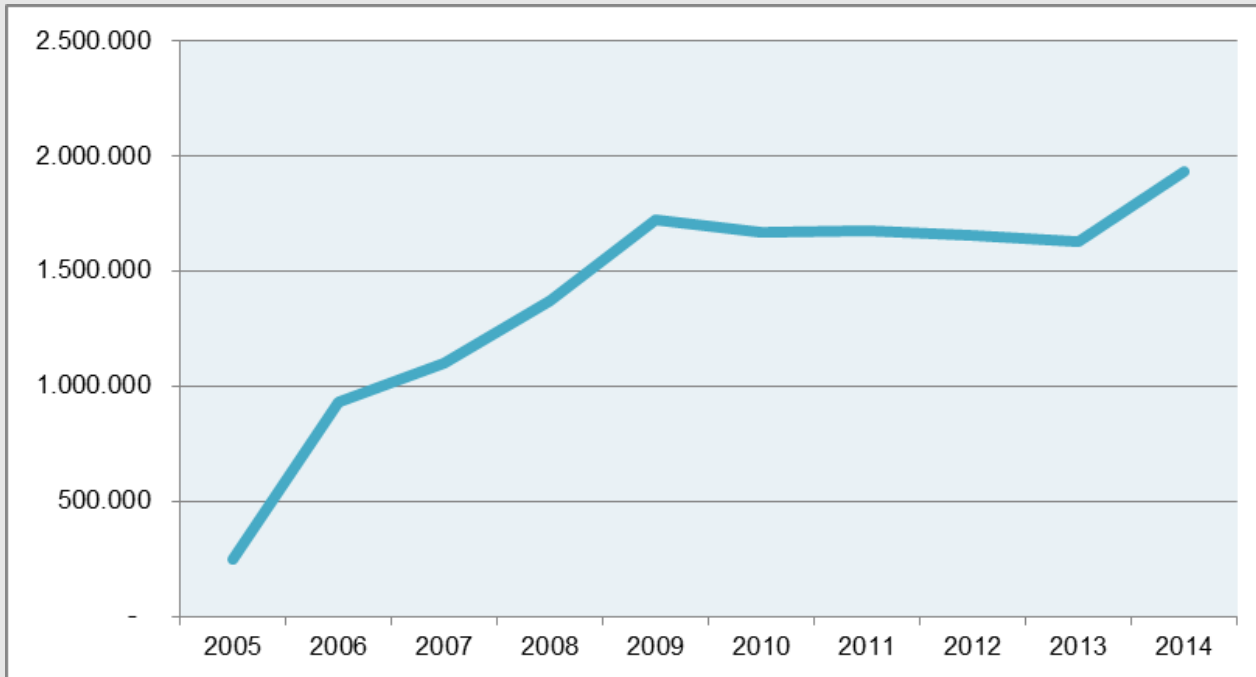
Ethanol	Volume [m³]	Mass [tons]	Share [%]
European Union	96.236	74.872	85,3%
3rd Countries	-	-	0,0%
Missing Data	16.570	12.892	14,7%
<b>Total</b>	<b>112.807</b>	<b>87.764</b>	

# Biofuels in Austria – Many more details...



- **Reporting of various parameter combinations possible** e.g. feedstock, fuel grades, origin, GHG, company, certification scheme, export country, import, export, production,...

# CO<sub>2</sub> & GHG savings of biofuels

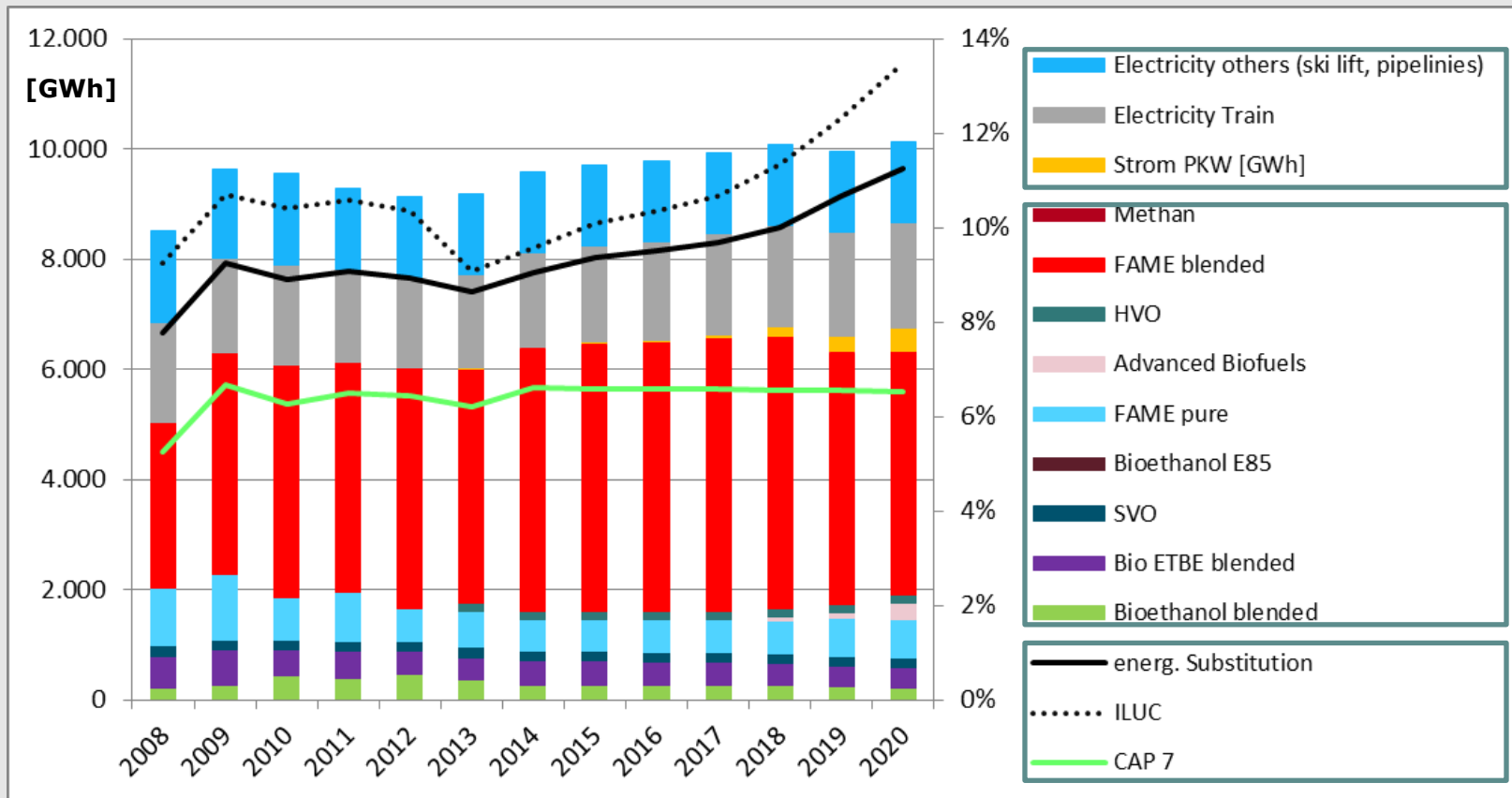


Direct CO<sub>2</sub> Emission Savings [tons]

Year	CO2 Savings
2005	252.160
2006	931.984
2007	1.102.312
2008	1.375.041
2009	1.723.458
2010	1.668.065
2011	1.677.309
2012	1.657.232
2013	1.630.058
2014	1.935.806

- GHG intensity acc. to weighted POS of 46 gCO<sub>2equ</sub>/MJ
  - 45% savings against RED Comparator (83,8)
  - 51% savings against baseline-value FQD 7a (94,1)

# Roadmap 2020 (Quota, ILUC & cap7)



- WAM Scenario; Method SHARES/EUROSTAT;
- 2014: Energetic Substitution of 9,3%

## Contact & Information

Ralf Winter

\*43 (0)1/313 04/5569

[ralf.winter@umweltbundesamt.at](mailto:ralf.winter@umweltbundesamt.at)

Umweltbundesamt  
[www.umweltbundesamt.at](http://www.umweltbundesamt.at)

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