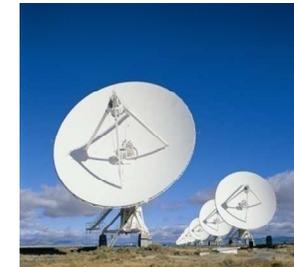

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**Ambrian Energy GmbH
Presentation at ISCC General Assembly -
Brussels February 2011**



CREATING VALUE ACROSS THE RESOURCES SECTOR

Ambrian's Biofuels Business

- **Ambrian Energy GmbH is wholly owned by the UK investment bank Ambrian Capital Plc, which is listed on the London Stock Exchange.**

- **Ambrian biofuel business is organized in a global manner. Headquartered in Hamburg, Germany, Ambrian Energy has a representation in Singapore and agents in North and South America.**

- **Biodiesel, sourced from South East Asia (PME), South America (SME) and within Europe (RME/UCOME).**

- **Storage & blending capacities for FAME in ARAG.**



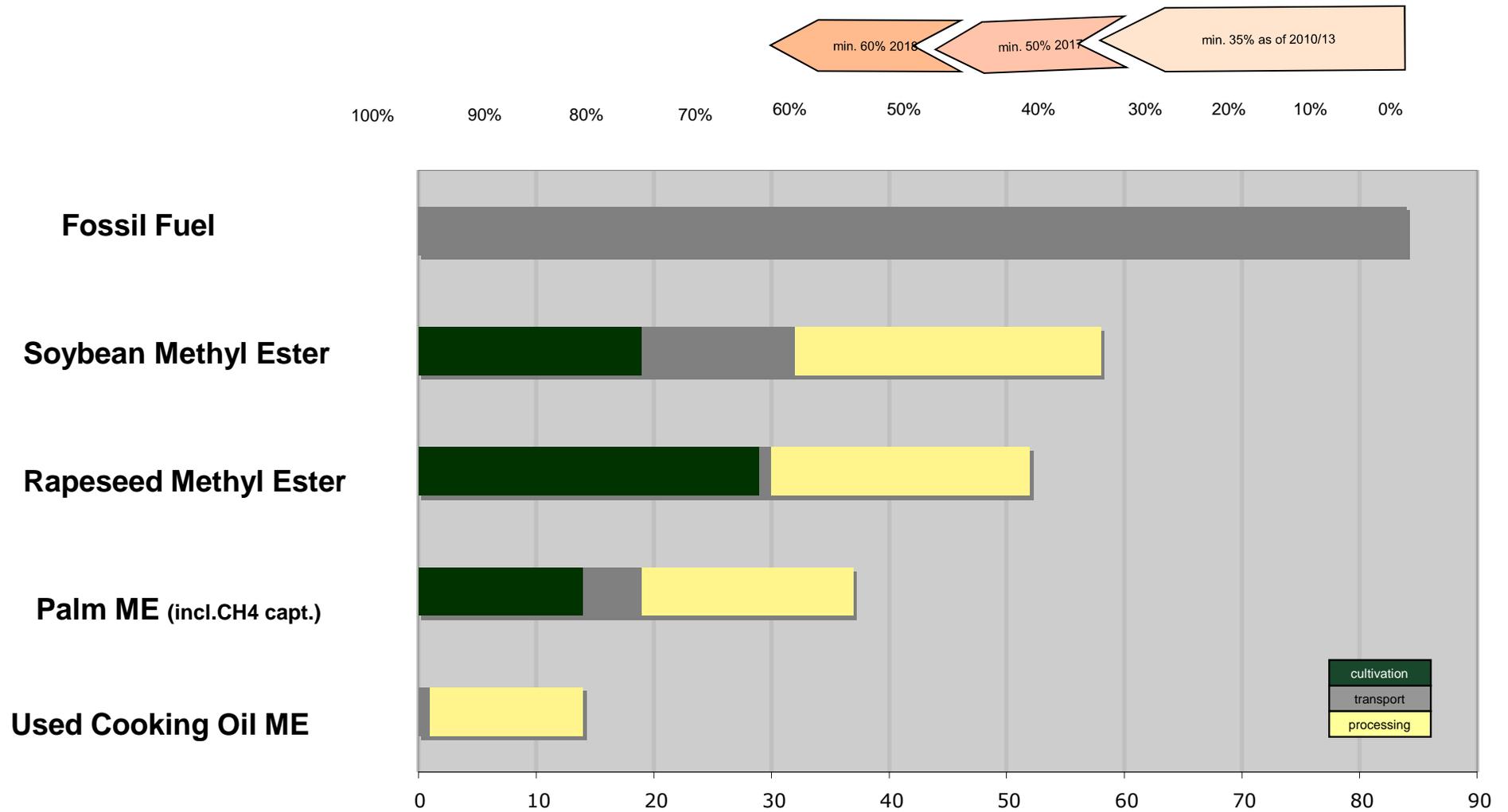
Within the Europe 2020 stability and growth pact, the EC has launched 20/20/20 climate energy targets as follows :

- **Reduction of greenhouse gas emissions by at least 20% compared to 1990 levels**
- **Increase of renewable energy sources share in EU final energy consumption to 20%**
- **20% increase on energy efficiency**

The EU Renewable Energy Directive (RED) 2009/28/EC repeals the directive 2003/30/EC and foresees:

- **10% target for energy from renewable sources in the transport sector by 2020**
- **Sustainability requirements for biofuels include good agricultural practice / protection of natural areas / GHG mitigation potential based on default values of feedstock**

Objectives – Standard GHG emissions comparison for biofuels



GHG emissions in g CO₂eq/MJ

Source : UFOP

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max. 33.5 g from 2018

max. 41.9 g from 2017

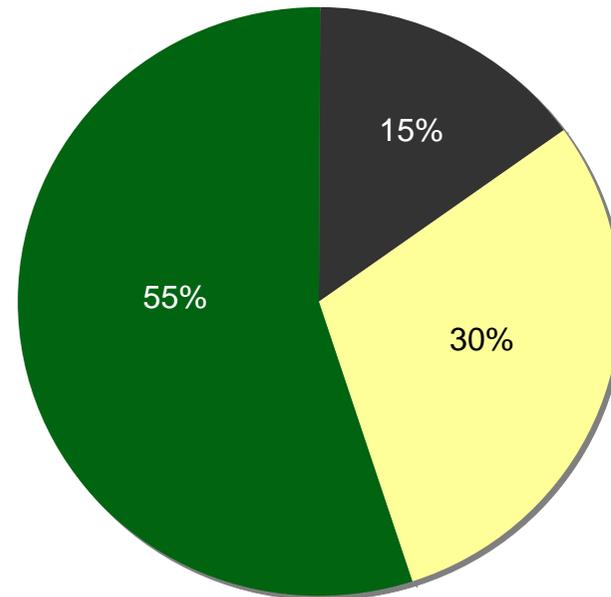
max. 54.5 g from 2010/13



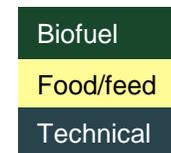
- **2013 : Implementation and control of national action plans with yearly review.**
- **German biofuels quota law (Bundesimmissionsgesetz) - 6,25% energetic until 2014 which will be replaced by a GHG mitigation target from 2015 onwards.**
- **By then the market is expected to have passed from a mandatory energetic volume blending quota system to a GHG reduction scheme.**
- **So far, EU-27 represents a “multi-sustainability” market due to different national standards.**
- **Only ISCC and RED Cert are EU-wide accepted certification schemes embodying aspects of non-EU sustainability initiatives such as RSPO or RTRS.**
- **EU mandatory off-take of certified FAME feedstock exceeds EU-27 supplies :**

European Vegoil Production

- Total EU-27 vegoil production for 2010/11 is estimated over 14 mln mt (source: Oil World).
- Crude rapeseed oil is by far Europe's most important vegoil (around 9,5 mln mt for the EU-27 in 2010/11).
- EU-27 top rapeseed oil producing countries use rapeseed (oil) mainly for biodiesel esterification (see chart), but over 30% is also needed for the Food-chain.



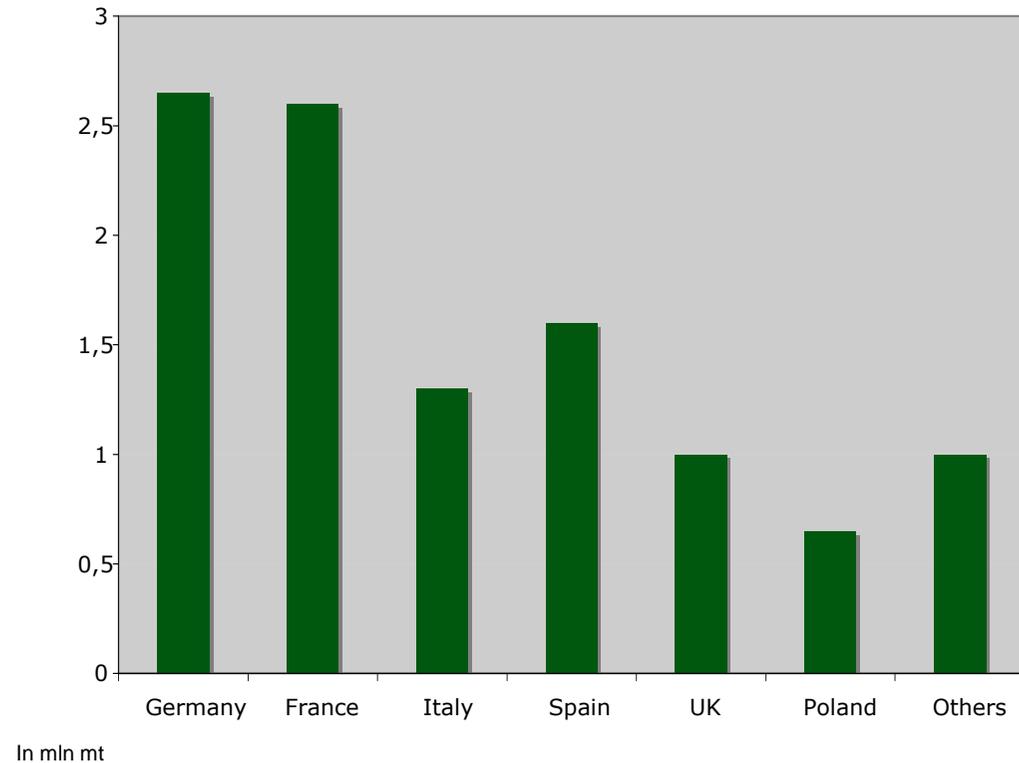
Source : UFOP



EU-27 consumption of biodiesel

- Over 10 mln mt of biodiesel consumed in the EU-27 in 2010 and going to 80% by 2050 (source : Biodiesel Digest reports),

- RME is hardly able to satisfy the current demand, not to speak about growth ambitions.



Source : Kingsman



- Fulfilling certified product demand, certified non-EU FAME feedstock has to be imported.
- ISCC is the only EU accepted certification scheme with activities in South East Asia and South America embracing local initiatives such as RSPO and RTRS.
- During global audits and within the framework of ISCC, Certification Bodies focus also on LCA as well as ILUC calculations.
- The latest modification of the German Biomass Law as of 06/12/2010 extended the mass balance period to one year until the 30/06/2011. Thanks to that, more time is granted to ISCC to optimize a European-wide harmonized certification system...

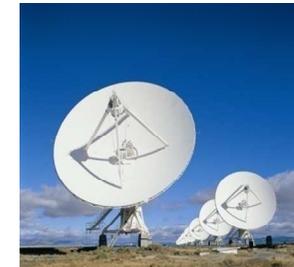


- ...and to enhance and clarify unclear matters such as data protection (csv.file etc.), and server compatibility with ministries etc.
- ISCC can gain international recognition for the implementation of sustainability certification in and outside the EU-27 by 2013 (simplification of auditing)...
- ...and ISCC can become the basis for a smooth transition from diversified and heterogeneous trading of sustainable EU-27 products to a homogenous EU-27 GHG reduction based trading scheme.

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Thank you !

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