

# **No Palm Oil for Biofuels:**

## **Policy recommendations for a ban on using palm oil for producing biofuels**

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**“The social and environmental impacts of EU palmoil policies”**

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# Agenda

## I. Palm oil demand

- global
- EU & Germany

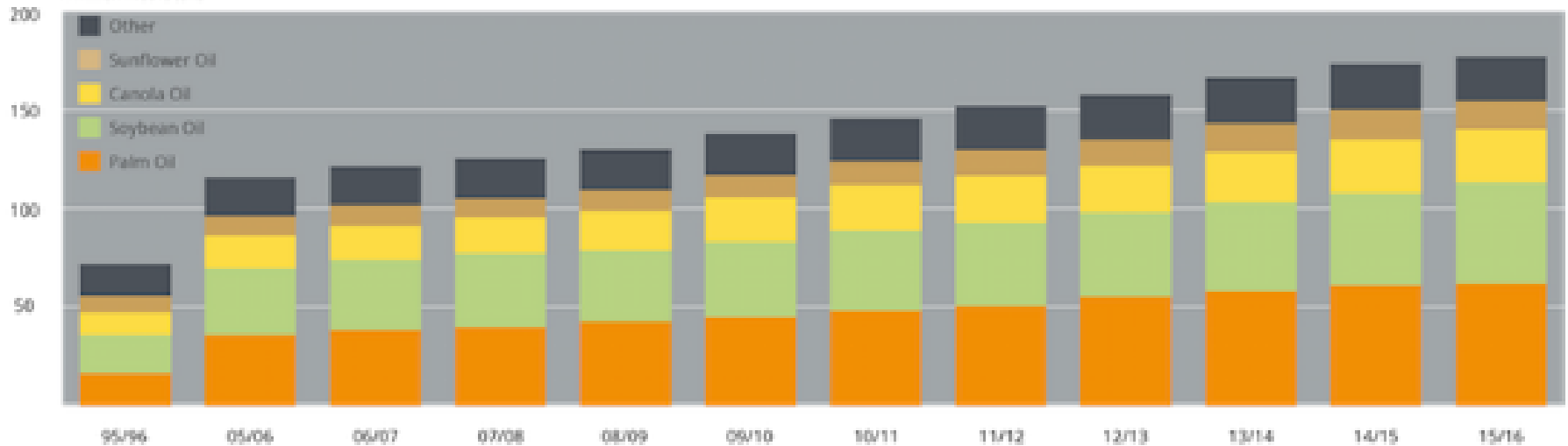
## II. **Opportunities** to phase out palm oil use for biofuels

## III. **Political** recommendations for Germany (and EU)

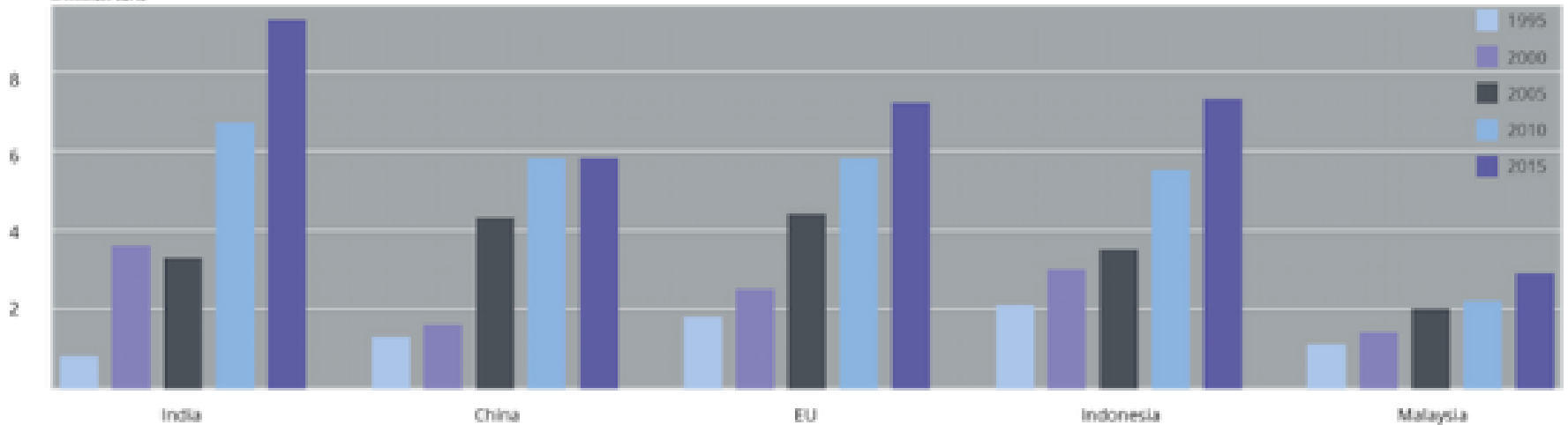


# Global Vegetable Oil Use

Consumption vegetable oils worldwide  
x million metric tons

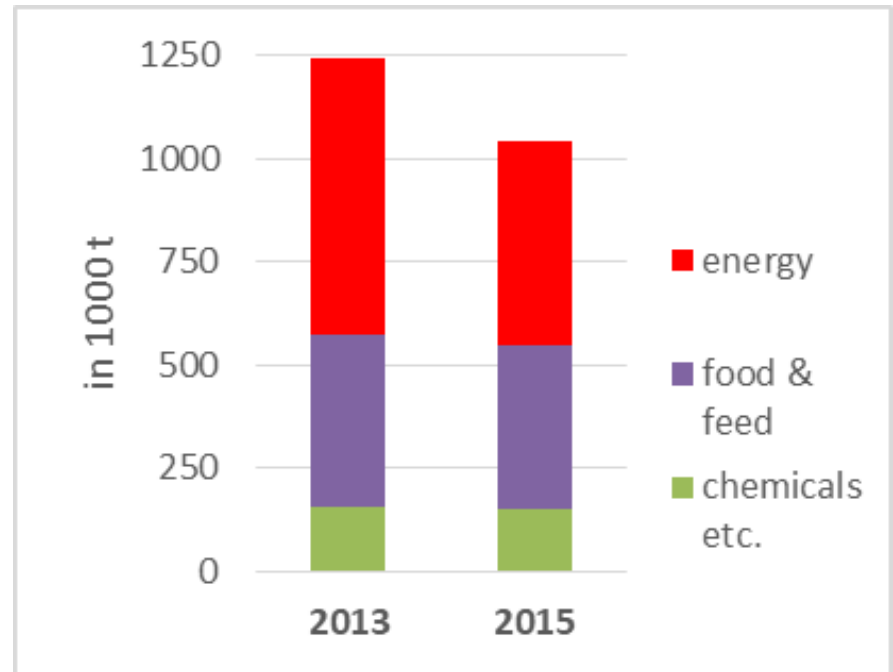
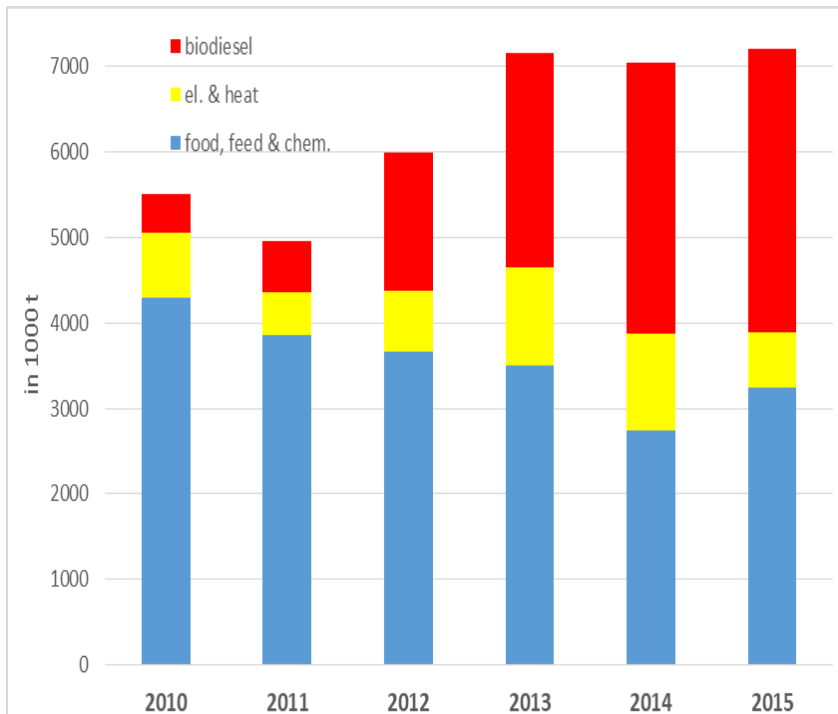


Consumption major users of palm oil (Oil World 2016)  
x million tons



Source: <https://www.palmoilandfood.eu/en/palm-oil-consumption>

# EU and German Palm Oil Use



Source: IINAS calculation based on Sihvonon (2016) for EU; BLE (2016) & Meo (2016) for DE

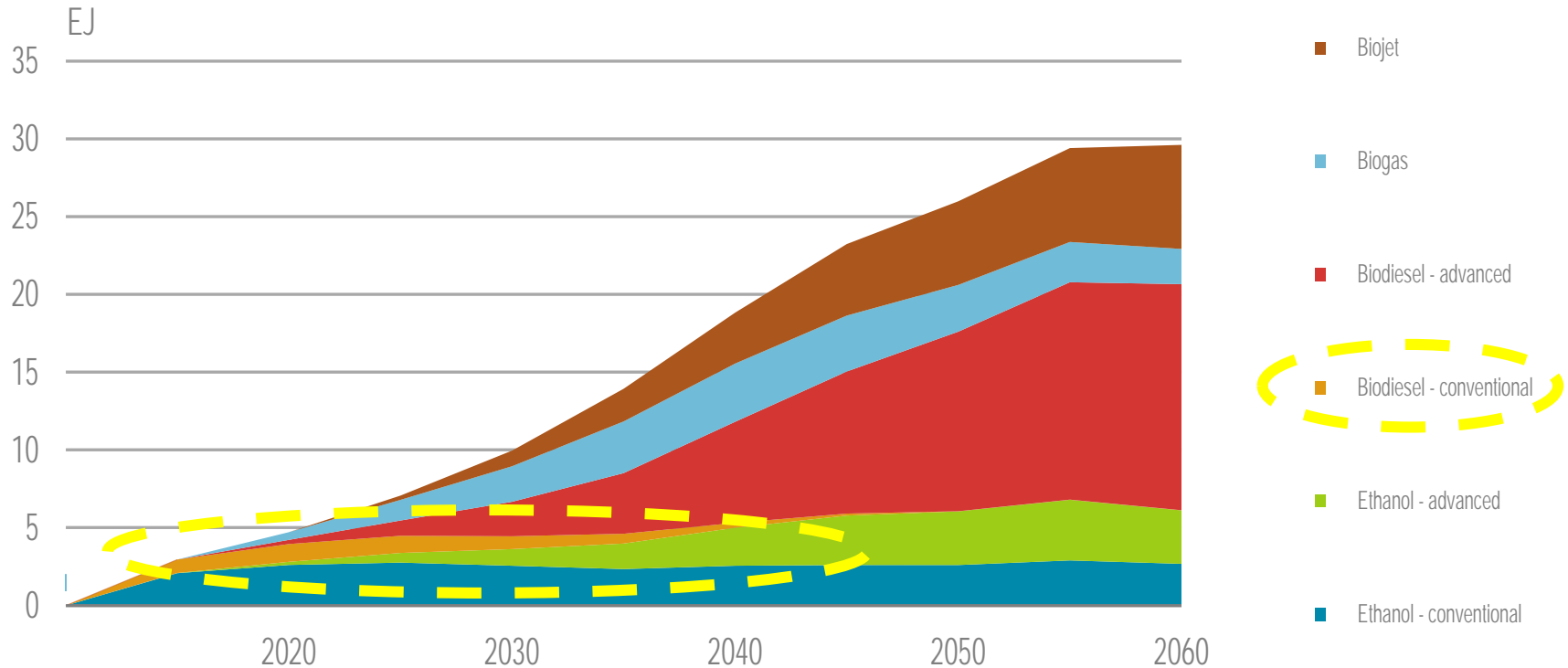
# Sources of German Biofuels for Diesel



Source: IINAS calculation based on BLE (2015 & 2016)

# Future Biofuel Use

## Global Final Energy Demand for Biofuels in Transport, 2DS Scenario



Source: IEA (2017) Technology Roadmap: Delivering Sustainable Bioenergy. Paris  
[http://www.iea.org/publications/freepublications/publication/Technology\\_Roadmap\\_Delivering\\_Sustainable\\_Bioenergy.pdf](http://www.iea.org/publications/freepublications/publication/Technology_Roadmap_Delivering_Sustainable_Bioenergy.pdf)

Phaseout of 1G biodiesel, increase: 2G EtOH, biojet + biogas

# Political Recommendations

...for a phase out of using palm oil for biofuels

- I. Higher GHG reduction quota**
- II. Improved and more effective certification of palm oil**
- III. Measures to reduce palm oil demand**
- IV. Support for alternatives to palm oil biofuels**

## Higher GHG reduction quota

- Newest EU studies: no net GHG reduction from palm oil use → **specific GHG mitigation**
- Accounting for palm oil in GHG reduction quota for bio-fuels can [and must] be excluded (US: already since 2012)
- GHG emissions from indirect land use changes (iLUC) cannot be adequately included in certification

**Source:** Valin, Hugo et al. (2015) The land use change impact of biofuels consumed in the EU Quantification of area and greenhouse gas impacts. Study commissioned by the EC. Utrecht [https://ec.europa.eu/energy/sites/ener/files/documents/Final%20Report\\_GLOBIOM\\_publication.pdf](https://ec.europa.eu/energy/sites/ener/files/documents/Final%20Report_GLOBIOM_publication.pdf)



## More stringent certification for palm oil

- Transparent and higher certification requirements
- **Total** use of palm oil under certification
  - First activities in various value chains, e.g.:
    - in Germany: 2013 Forum Sustainable Palm Oil (FONAP)
    - 2015 Amsterdam Declaration to support sustainable palm oil supply chains until 2020 (EU countries)

→ **Critically attend/monitor, and improve!**

# Political Recommendations III

## Support Reduction of Palm Oil Demand

- Avoiding transport, switch to environmental transport modes (bike, public transport, electric mobility, etc.)
  - Clean air problem also for biodiesel!
- Higher GHG reduction quota dampens demand

## Support of Alternatives for Palm Oil as Biofuel

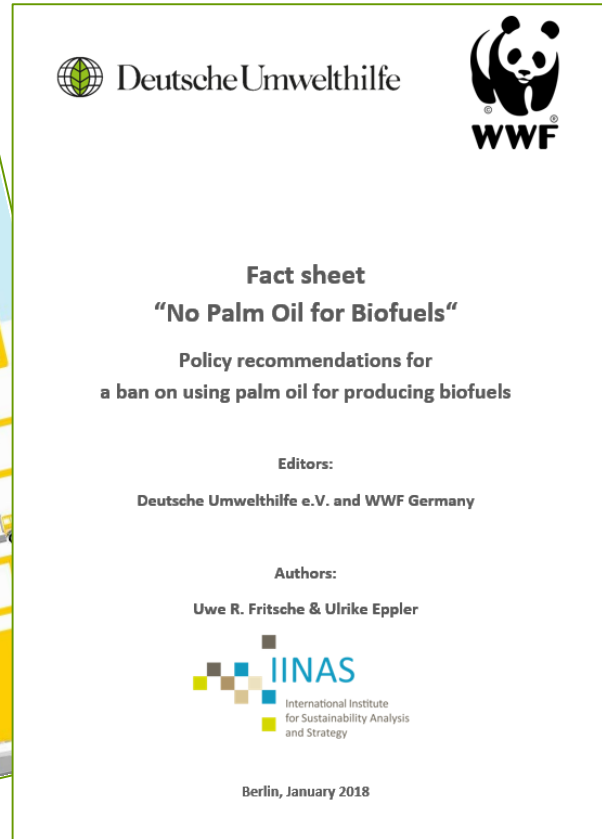
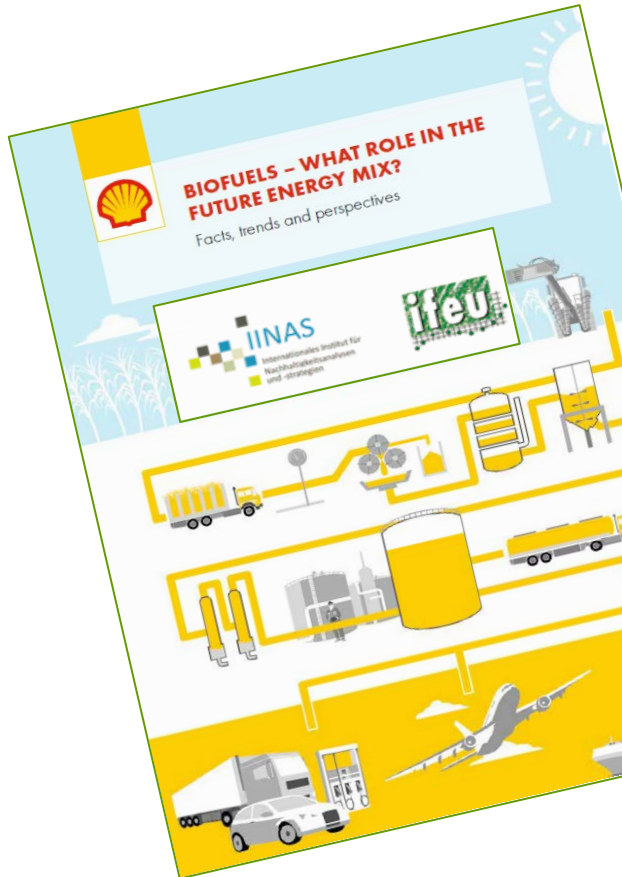
- “2nd Generation“ biofuels from lignocellulose (residues, agroforestry on marginal/degraded land)

# Political Recommendations IV

- Legal ban on use/import possible & can be substantiated (Hermann & Schulze 2010)\*
- In parallel, improve governance options for **sustainable palm oil** supply & use

\* Hermann, Andreas & Schulze, Falk (2010) Arbeitspapier Rechtsfragen zu nachhaltige Biomasse. UBA Studie Bio-global. Darmstadt, Heidelberg  
[http://iinas.org/tl\\_files/iinas/downloads/bio/oeko/2010\\_Bio-global\\_AP3-4\\_Rechtsfragen.pdf](http://iinas.org/tl_files/iinas/downloads/bio/oeko/2010_Bio-global_AP3-4_Rechtsfragen.pdf)

# More Info & Contact



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