

Footnotes to 'The Bad Business of Biofuels' Briefing

(i) Rauch A & M Thöne, Biofuels – At What Cost? Mandating ethanol and biodiesel consumption in Germany, FiFo Institute for the Global Studies Initiative (GSI) of the International Institute for Sustainable Development (IISD), Geneva, Switzerland, November 2011, <http://www.globalsubsidies.org/research/biofuel-subsidies-germany>

Charles C & P Wooders, Biofuels – At What Cost? Mandating ethanol and biodiesel consumption in the United Kingdom, for the Global Studies Initiative (GSI) of the International Institute for Sustainable Development (IISD), Geneva, Switzerland, August 2011, <http://www.globalsubsidies.org/research/biofuel-subsidies-united-kingdom>

(ii) Average price per litre January 2012 is £1.30; an average tank is taken as holding 50 litres; extra cost per litre containing 10% biofuel is 2-4 p. 50 litres x 3 p equals £1.50, i.e. more than the price of a litre of fuel.

(iii) According to the UK Continuing Survey of Road Goods Transport, a large articulated lorry got 7.6 miles per gallon in 2010, and travelled 93,000km (57,800 miles). That means it used 34,600 litres (7,600 gallons). In 2020, up to 4 p extra will be paid for fuel containing biofuel. That makes $4 \times 34600 = £1,384$.

(iv) Fergusson M, EU wide extrapolation of UK cost of biofuels calculations, December 2011 http://www.actionaid.org.uk/doc_lib/EUwideextrapolation.pdf

(v) Marelli L, Ramos F, Hiederer R & Koeble R, Estimate of GHG emissions from global land use change scenarios, Joint Research Centre Technical Notes, 2011, http://iet.jrc.ec.europa.eu/sites/default/files/documents/scientific_publications/technical_note_eu24817.pdf

(vi) Committee on Climate Change, Bioenergy Review, December 2011, <http://www.theccc.org.uk/reports/bioenergy-review>

(vii) Bowyer C, Anticipated Indirect Land Use Change Associated with Expanded Use of Biofuels and Bioliquids in the EU – An Analysis of the National Renewable Energy Action Plans, Institute for European Environmental Policy, March 2011 http://www.ieep.eu/assets/786/Analysis_of_ILUC_Based_on_the_National_Renewable_Energy_Action_Plans.pdf

(viii) Price Volatility in Food and Agricultural Markets: Policy Responses Policy Report including contributions by FAO, IFAD, IMF, OECD, UNCTAD, WFP, the World Bank, the WTO, IFPRI and the UN HLTF 2 June 2011, http://www.oecd.org/document/20/0,3746,en_2649_37401_48152724_1_1_1_37401,00.html

(ix) Anseeuw W, Alden Wily L, Cotula L, & Taylor M, Land Rights and the Rush for Land: Findings of the Global Commercial Pressures on Land Research Project, IIED, CIRAD, International Land Coalition, November 2011, <http://www.landcoalition.org/cpl/CPL-synthesis-report>

(x) Umweltbundesamt, CO₂-Minderung im Verkehr. Ein Sachstandsbericht des Umweltbundesamtes. Beschreibung von Maßnahmen und Aktualisierung von Potenzialen, Dessau, September 2003