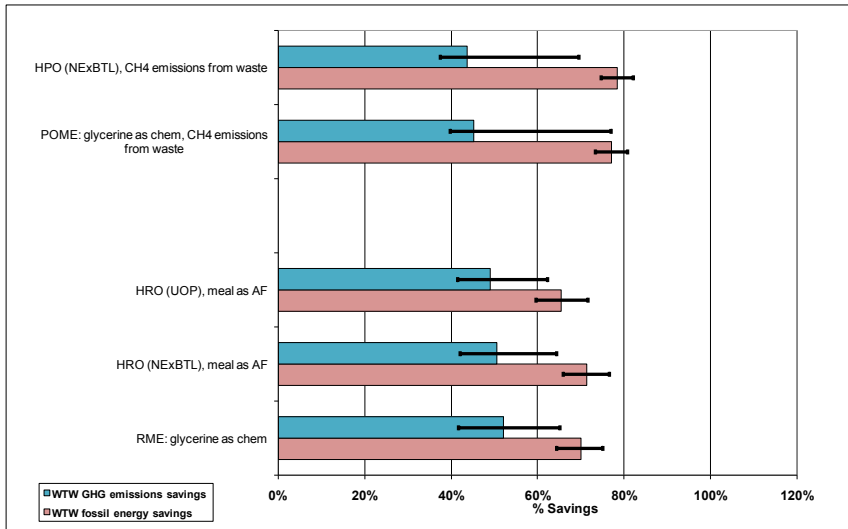


Motivation and Objectives

EUCAR, CONCAWE and JRC have performed joint evaluations of the WTW energy use and greenhouse gas (GHG) emissions for a wide range of potential future fuel and powertrain options. The objectives of the study have been to:

- Establish, in a transparent and objective manner, a consensual WTW total / fossil energy and GHG emissions assessment of a wide range of automotive energy carriers and powertrains relevant to Europe in 2010 and beyond;
- Consider the viability of each fuel pathway and estimate the associated macro-economic costs for energy/CO₂ abatement strategies;
- Endeavour to have the methodology and results accepted as a reference by all relevant stakeholders.

Project Plan, Milestones and Deliverables



Example Results from Well-to-Wheels (WTW) Energy and GHG Savings of Selected Vegetable Oils and different upgrading technologies

Achievements

The programme has successfully completed several phases:

- 2001 - 2003: Version 1, initial report,
- 2004 - 2006: Version 2,
 - Revision of fuels & vehicle data,
- 2008 - 2010: Version 3,
 - New fuel pathways,
 - Revision of Diesel vehicles,
- 2011+: Version 4 being planned.

Budget	self-funded by partners	Start	2001
Duration	continuing	Contact	hhass@ford.com
Coordinator	Heinz Hass, Ken Rose, Laura Lonza		
Partners	EUCAR members, CONCAWE members & JRC		
Website	http://ies.jrc.ec.europa.eu/about-jec		