





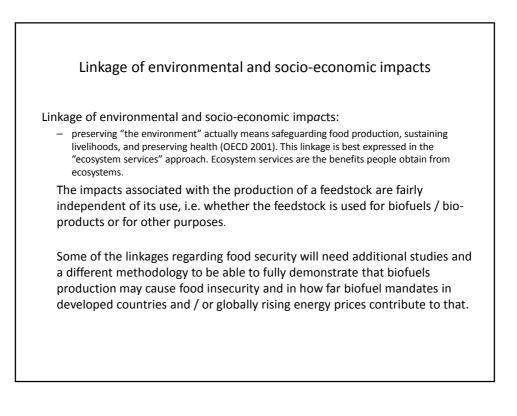
Food vs Fuel

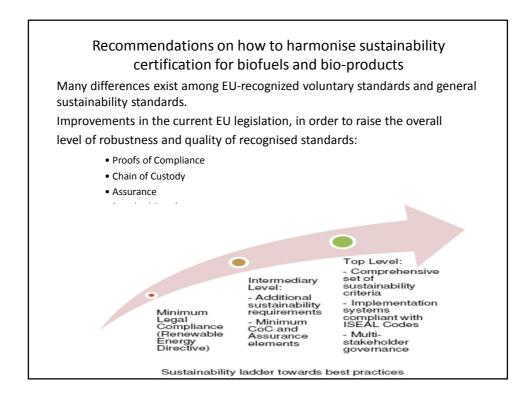
Global biofuel production in 2007: 54 billion litres, 1 per cent of the fuel in the transport sector (IEA 2008).

Many countries, low-, middle-income and rich, have implemented ambitious targets and policies to promote significant biofuel industries.

In industrialised countries, the main driver of biofuel growth has been the concern to reduce greenhouse gas (GHG) emissions. In contrast, low- and middle income countries have seen biofuels as a way of addressing a number of goals including greater energy security, promotion of exports and rural development.

Feedstocks for liquid biofuels are the largest source of new demand for agricultural products and will have a significant effect on markets in the next decade and beyond .(FAO) State of Food and Agriculture Report 2008,







Certification and sustainability

- Certification is already implemented for biofuels and bioliquids in the European Union through the Renewable Energy Directive (RED).
- All private certification systems differ considerably from each other. The legislation establishing the alternative EU national sustainability systems also differs significantly between Member States.
- National systems are difficult to apply for economic activities performed outside the geographic borders of a State. Companies already show preference for voluntary certification systems because of their larger coverage and flexibility. Voluntary systems are of easier applicability in an international context and are applicable to other-biomass feedstock uses such as the food industry.

Policy orientations

Neither states nor markets, in isolation, are sufficient. Complex combinations of regulatory and market-based instruments, operating at different scales, are needed to manage the impacts of investments in biofuel and multi-purpose feedstocks.

The role of governments in consumer countries is also critical, particularly in the introduction of regulations to constrain imports of unsustainably produced goods . While this is important from the demand side, it may lead to trade barriers that favour domestic production over imports.

Biodiesel and bioethanol together represent more than 98 % of the biofuels consumed in the EU, in 2010 79 % of total biodiesel consumed was produced in Europe . The main biodiesel producers were in Germany, Spain, France, Italy and the Netherlands.

There is major overcapacity of biodiesel production: of the 20 mega tonnes per year production capacity, 57 % was not used in 2010. Also overcapacity in bioethanol production: in 2010, almost 24 % of production capacity was not used. Despite this overcapacity, an additional capacity of 4 mega tonnes is planned, according to notifications.

COM perspectives for biofuels

Commission published (17/12/12) a proposal to limit global land conversion for biofuel production, and raise the climate benefits of biofuels used in the EU. The use of food-based biofuels to meet the 10% renewable energy target of the Renewable Energy Directive will be limited to 5%. This is to stimulate the development of alternative, so-called second generation biofuels from non-food feedstock, like waste or straw, which emit substantially less greenhouse gases than fossil fuels and do not directly interfere with global food production. For the first time, the estimated global land conversion impacts – Indirect Land Use Change (ILUC) – will be considered when assessing the greenhouse gas performance of biofuels.

As such, the development of infrastructure for producing second generation biofuels needs to be accelerated.

The overall picture shows that the European policy drive, boosted by internal market objectives, is having a direct and positive impact on energy investment. However, with short timescales to integrate the whole European energy network by 2015, and to deliver the 2020 targets, the current rate of investment is unlikely to be sufficient to achieve the results expected.

