

# LCA and TEA

# Summary of the Session

- ▶ Until recently, the majority of LCA and TEA studies have been based on experimental or literature data
- ▶ With the European projects within this conference, real data is now available
- ▶ Energy is a large part of the LCA and TEA impacts
- ▶ Use of renewables, such as photovoltaics or wind, can lead to a significant reduction in the environmental impacts
- ▶ Of the different stages, the major source of impacts is the cultivation
- ▶ Further major sources of impacts can be from construction and from certain parts of the feedstocks
- ▶ Recycling of materials at the end of the process can improve LCA and TEA

# Challenges

- ▶ Reduce the energy consumption of processes
- ▶ Refine available data
- ▶ Ensure that results from EU projects are comparable through improved communication and transparency, possibly set up a cross project LCA and TEA group