

# **Report on “What's your perspective? - Regional & spatial LCA's for biomass resources”**

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## Main topics:

- Using Regionalised approaches for biomass and bioenergy systems from an LCA perspective
- Different concepts of regional approaches can be implemented
  - Regional case study approaches
  - Global scale with regionally differentiated approaches
- Accounting for Land use and associated impacts;  
Different integrated approaches taken/needed some;
  - looking at socio-economic aspects
  - looking at water use and water scarcity aspects
  - looking at different feedstock mixes in the case of biogas – agriculture , land use

## Main results and outcomes:

- The influences of the technical systems in the environment and its potential influence and impact is of importance
- We need to determine carefully what could be the potential use of such modelling exercises and results – how can it support policy makers effectively ?
- Public acceptance and communication of results – to avoid misinterpretation and make clear the uncertainties
- Different regional approaches can provide information on different aspects-but ultimately with these approaches we are looking at TRENDS



## Outlook and research need:

- We need to first deconfigure complex systems in order to figure out how they work, so we can then understand how to simplify them –this is a lot of work
- The availability of characterisation factors i.e. for toxic substances needs a lot of further research and it is one certain bottleneck
- Uncertainties, data availability and transparency are still an issue particularly in relation to land use changes
- Achieving the appropriate specificity when looking at the different approaches and how to include different scales of investigation
- How and to whom, can we communicate these results effectively is also a challenge that needs to be worked on

