#### **MIGROS**

# Using life cycle assessment for packaging decisions in Migros



# Sustainability in Migros - Generation M



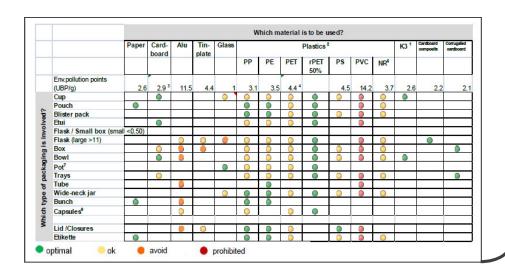
## LCA in packaging development and optimization

- LCA is used in the packaging development process already
- Packaging developers and LCA experts in Migros work closely together
- Screening LCA on different packaging scenarios is undertaken
- Identification of best packaging solutions (packaging type, material, etc.)



## LCA as basis for environmental guidelines on packaging

- Ecological packaging need to consider product specifications
- LCA results of most ecological
  - ...packaging material
  - ...packaging type



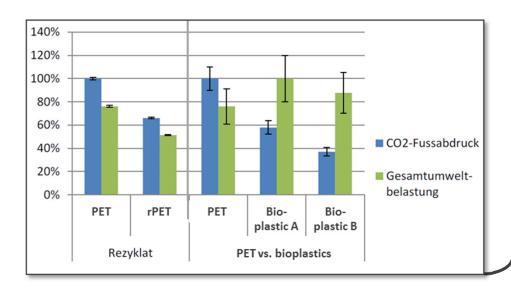


- Core function of packaging is to protect the product
- Information to most ecological material and packaging type

## LCA as basis for environmental guidelines on packaging



- LCA on different bio plastics
- Application of ecological scarcity





- Proof of LCA (not only GWP)
- No competition to food production
- No GMO (genetic. mod. organisms)

Generation M – promise on sustainable packaging

#### Goal / Motivation:

- Ecological optimization of packaging
- To reduce the environmental footprint of packaging by 10% until end of 2012 \*

#### Methodological approach:

The environmental footprint was measured applying the method of ecological scarcity



#### Lessons learned:

- Good methodological approach to show ecological optimizations
- Controlling created a large work load
- Method of ecological scarcity was not well understood by the broad public

<sup>\*</sup> of the best-selling products by 10% till end of 2012.

#### Conclusion

- Methodological challenges
  - availability of good and reliable generic process data
  - environmental credits for collected and recycled packaging material
  - positive effect of labeled products and packaging material (f.e. FSC and Bio)
- The method of ecological scarcity is
  - ...rather understood by experts, not by the broad public
  - ...not suitable for marketing because of its complexity
- Advantages: The method is applied for Migros-internal decisions because it
  - ...is suitable to identify ecological optimization potential
  - ...considers different ecological impacts
  - ...is a single score method that is understandable
  - ...has a Swiss focus



