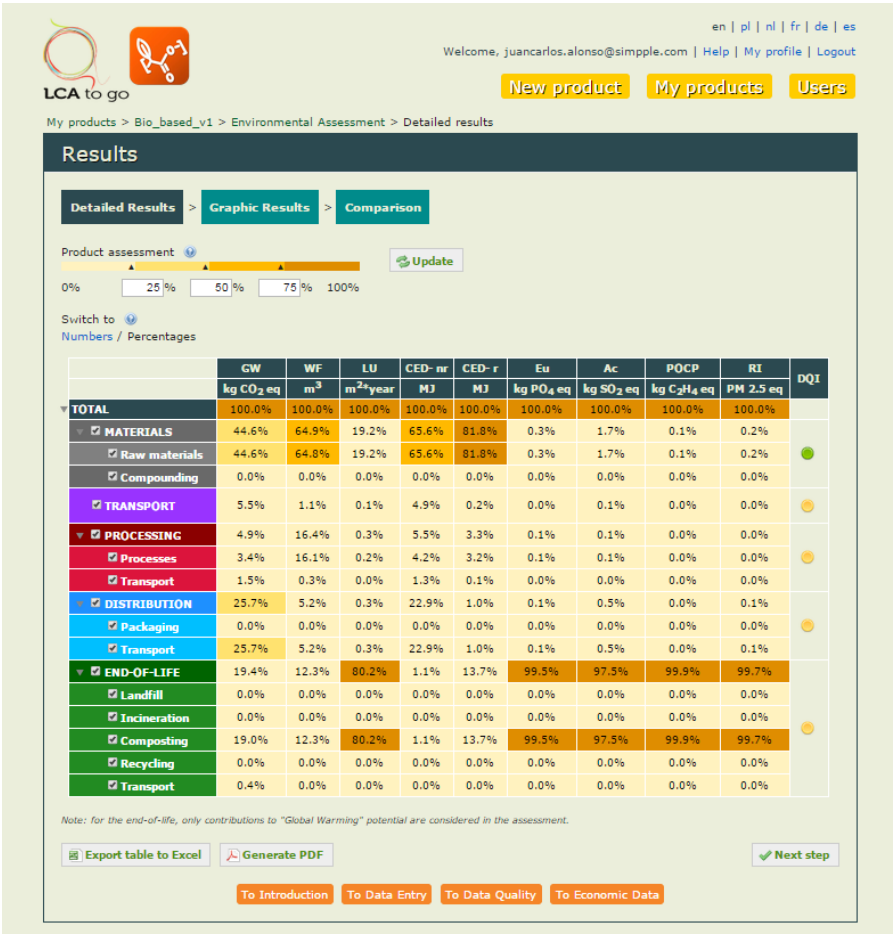
Figure 1: Registration screenshot of the webtool

Figure 2: Exemplary screenshot of a result table in the webtool



	GW kg CO_2 eq	WF m^3	LU m^2year	CED- nr MJ	CED- r MJ	Eu kg PO_4 eq	Ac kg SO_2 eq	POCP kg C_2H_4 eq	RI PM 2.5 eq	DQI
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
MATERIALS	44.6%	64.9%	19.2%	65.6%	81.8%	0.3%	1.7%	0.1%	0.2%	
Raw materials	44.6%	64.8%	19.2%	65.6%	81.8%	0.3%	1.7%	0.1%	0.2%	
Compounding	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TRANSPORT	5.5%	1.1%	0.1%	4.9%	0.2%	0.0%	0.1%	0.0%	0.0%	
PROCESSING	4.9%	16.4%	0.3%	5.5%	3.3%	0.1%	0.1%	0.0%	0.0%	
Processes	3.4%	16.1%	0.2%	4.2%	3.2%	0.1%	0.1%	0.0%	0.0%	
Transport	1.5%	0.3%	0.0%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
DISTRIBUTION	25.7%	5.2%	0.3%	22.9%	1.0%	0.1%	0.5%	0.0%	0.1%	
Packaging	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Transport	25.7%	5.2%	0.3%	22.9%	1.0%	0.1%	0.5%	0.0%	0.1%	
END-OF-LIFE	19.4%	12.3%	80.2%	1.1%	13.7%	99.5%	97.5%	99.9%	99.7%	
Landfill	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Incineration	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Composting	19.0%	12.3%	80.2%	1.1%	13.7%	99.5%	97.5%	99.9%	99.7%	
Recycling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Transport	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

Figure 3: MicroPro' all-in-one iameco PC and LCA to go exhibiting at Internationale Funkausstellung Berlin 2014

Figure 4: LCA to go bio-based plastics webtool screenshoots

	GW	CED- nr	CED- r	Eu	Ac	POCP	RI	DQI
	kg CO_2 eq	MJ	MJ	kg PO_4 eq	kg SO_2 eq	kg C_2H_4 eq	PM 2.5 eq	
TOTAL	6.25E+01	1.40E+03	9.89E+02	1.12E-01	3.57E-01	8.63E-03	1.16E-01	
MATERIALS	1.49E+01	5.12E+02	3.04E+02	2.28E-02	1.82E-01	4.73E-11	8.14E-02	
Raw materials	1.49E+01	5.12E+02	3.04E+02	2.28E-02	1.82E-01	4.73E-11	8.14E-02	
Compounding	-	-	-	-	-	-	-	
TRANSPORT	9.62E+							
PROCESSING	1.25E+							
Processes	1.12E+							
Transport	1.37E+							
DISTRIBUTION	2.54E+							
Packaging	2.52E+							
Transport	1.37E-							
END-OF-LIFE	-							
Landfill	-							
Incineration	-							
Composting	-							
Recycling	-							
Transport	-							

ote: for the end-of-life, only contributions to "G

Export table to Excel Generat

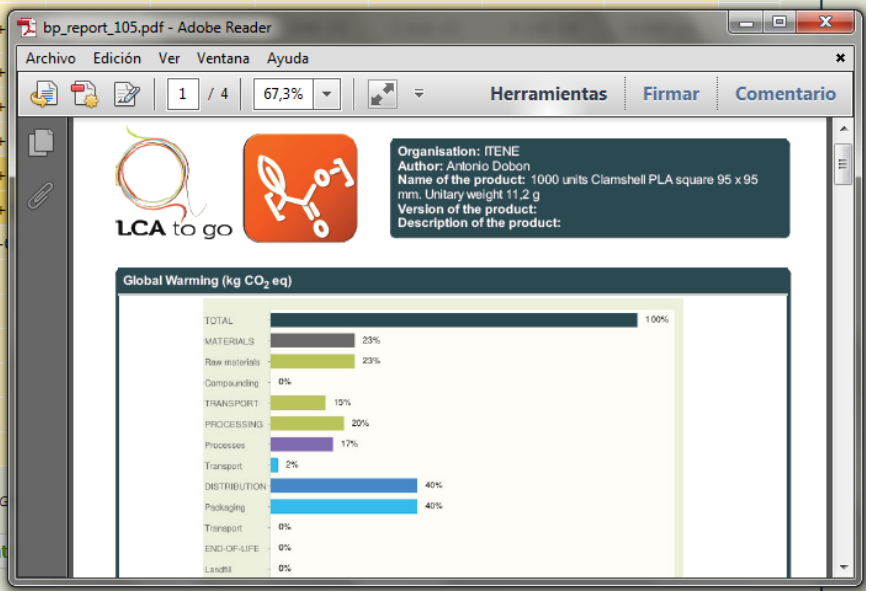
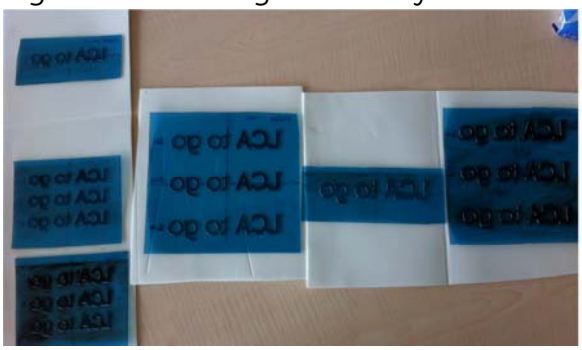


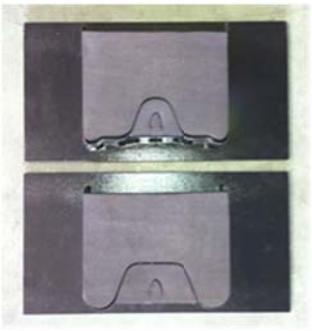
Figure 5: Ecodesign of Valsay's bio-based plastic carrier bags



Screen-dots and line frame etching plates

80/60/40% printed area with screen dots pattern (from top to down)

80/60/40% printed area line frame printing pattern (from top to down)



Die-cut redesign and final prototypes of Valsay's bio-based plastic large and medium size bags

Figure 6: SensFloor (black) and top flooring (blue), copyright: Future-shape

Figure 7: The basic software flow of the webtool for machine tools

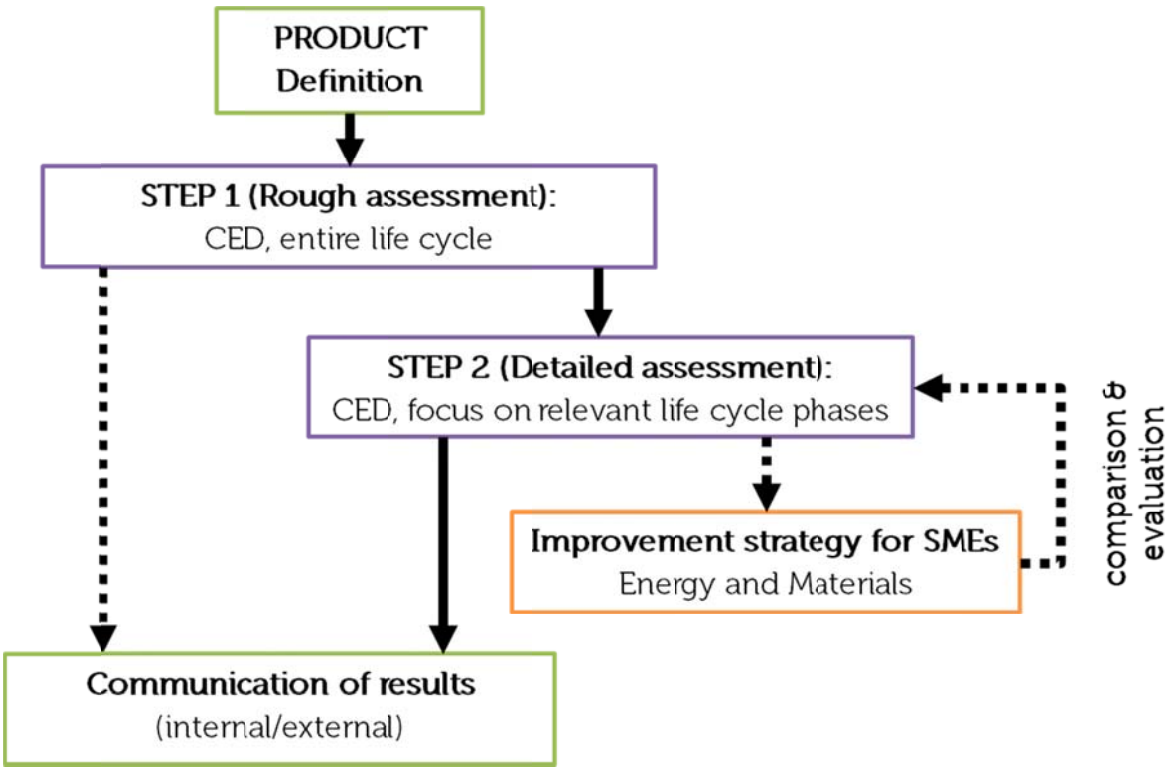


Figure 8: Participation of the bio-based plastics sectoral leader (ITENE) in dissemination actions

Speakers in the 8th European Bioplastics Conference

Dissemination at the 9th European Bioplastics Conference

Table 1: Exemplary results for PCB production with different technologies and at different locations

Comparison

Indicator	Units	Case Study 2 - China, ENIG	Case Study 1: Austria - Sn	Result of comparison [%]
Carbon footprint - CF	kg CO2 eq	3.2406	0.6106	-81.16 %
CF of materials	kg CO2 eq	0.9380	0.1767	-81.16 %
CF of production processes	kg CO2 eq	1.9343	0.3872	-79.98 %
CF of gas emissions to air	kg CO2 eq	0.0100	0.0100	0.00 %
CF of transport	kg CO2 eq	0.3583	0.0367	-89.76 %

Table 2: Comparison of PV systems under study for the implementation project in Chad

PV system	Lifetime electricity production (kWh)	Energy Pay Back (years)	Carbon Footprint (kg CO_2.eq)	Relative emissions (kg CO_2.eq / kWh)	PE (MJ)
Micro-Grid_poly-crystalline Silicon	**204.900**	**4,34**	30.234,30	**0,1476**	**712.131,10**
Micro-Grid_amorphous Silicon	170.750	4,41	30.591,70	0,1792	723.286,20
Micro-Grid_monocrystalline Silicon	**204.900**	4,37	30.361,60	0,1482	717.039,70
Micro-Grid_CIS/CIGS thinfilm	170.750	4,36	**29.705,20**	0,1740	714.786,00