

AGPM - Eco Card Nr 7 What ?: **GREEN HOUSE GAS Score Also known as CO2 Footprint**

Eco6s

Statistical Analysis Environmental Analysis Technical Analysis

			Making Valu	ies withou	t losin	g them			
WHAT	To Reduce GHG Impacts of Packaging Process and Material is not a question of changing Material (Plastic) to another (non Plastic) as there are both using fossiles resources to be produced, but a question of producing them without burning vital resources and in renewing resources for the Future.								
WHY	 Entropic Combustion increases Acidity of the Oceans, killing Life Sources. Entropic Oxydation increases desertic, acid Surfaces, destroying Species. Burning fossile ressources destroys chances of Life for future Generation. Burning fossile ressources increases global temperature (GHG Effects) Life adopts low entropic oxydation to exist & survive since billion of Years 								
HOW	From extraction step (Craddle) to polymerisation step (Gate before extrusion) GHG Scor in Kg CO2 Equival./ Kg of Plastic are about the same with a high variation in the values calculated and communicated (+/-30%) due to hypothesis used in the Model of Reality.								e values
		PVC	PS	PE	Γ	PE		PP	
		2.26	2.8	3.1	5	2.5		3.4	
	During extrusion of PVC, PS, PET or PP: GHG will be increased by 0.3 Unit in burning fossile resources but by 0.1 unit only in using renewable Energy (Sun, Wind, Hydrogen,) During thermoforming of PVC, PS, PET or PP: GHG will be increased by 1 Unit if burning fossile resources but only by 0.3 in using renewable Energy (Sun, Wind, Hydrogen,) So it is the RE-Actions done by the Producers of Plastics (or non Plastic) in reducing Energy used, in recycling and in using Renewable Energies (Sun, Wind, Hydrogen, Water, Salt) which reduce GHG Impacts not the Choice of the Plastics.								
WHO	Quality & Industrial Teams to reduce GHG emissions of Process & Material. R&D Teams to design with 8 RE Actions on Energy, Materials and Processes Management Teams to choice sustainable Energy within the Value Chain.								
WHEN	Acti	PROCESSING STEP	PAPER non FSC	e planned PAPER FSC FOREST 50% reduced	PVC wi		PVC w	ceedings with renewable Ene HERMOFORMING 33% reduced	rgy