

„ Cycle, circle: a Science not a Belief“ **Euclid** Εὐκλείδης

WHAT	Sustainability of a Pack Material is evaluated as a complex Functional Unit. Paper, Plastic, Glass have different Functional Units, not easily comparable. Sustainability Scores of same Materials are comparable and improved by using Renewable Resources, by Reducing defects, losses and wastes, by Recycling Energies and Materials throughout the Life Cycle of the Material.																														
WHY	<ul style="list-style-type: none"> • If the Use of a Standard Plastic, reduces the Use of fossile resources through the Value Chain, then the Sustainability Score is satisfactory. • If the Field is not sustainably managed, the Biobased Plastic production not optimized & the Plastic not recycled, then the Score is unsatisfactory 																														
HOW	<p>Sustainable Energies and Materials are evaluated throughout the Life Cycle. A Sustainability Balanced Scorecard is used to evaluate Up Streams, Central Streams and Down Streams of the selected Packaging Materials</p> <p>The TEMPS@Eco6s Sustainability Balanced Scorecard</p> <table border="1" data-bbox="368 1162 1385 1391"> <thead> <tr> <th></th> <th>STANDARD PAPER</th> <th>SUSTAINABLE PAPER</th> <th></th> <th>SCALE</th> </tr> </thead> <tbody> <tr> <td>DOWN STREAMS</td> <td>3</td> <td>5</td> <td>BEST AVAILABLE TECHNIC</td> <td>5</td> </tr> <tr> <td>CENTRAL</td> <td>3</td> <td>4.5</td> <td>SATISFACTORY</td> <td>4</td> </tr> <tr> <td>UP STREAMS</td> <td>3</td> <td>4.5</td> <td>JUST LEGAL</td> <td>3</td> </tr> <tr> <td></td> <td></td> <td></td> <td>UNSATISFACTORY</td> <td>2</td> </tr> <tr> <td>SUSTAINABILITY SCORE</td> <td>9</td> <td>14</td> <td>UNFIT FOR USE</td> <td>1</td> </tr> </tbody> </table>		STANDARD PAPER	SUSTAINABLE PAPER		SCALE	DOWN STREAMS	3	5	BEST AVAILABLE TECHNIC	5	CENTRAL	3	4.5	SATISFACTORY	4	UP STREAMS	3	4.5	JUST LEGAL	3				UNSATISFACTORY	2	SUSTAINABILITY SCORE	9	14	UNFIT FOR USE	1
	STANDARD PAPER	SUSTAINABLE PAPER		SCALE																											
DOWN STREAMS	3	5	BEST AVAILABLE TECHNIC	5																											
CENTRAL	3	4.5	SATISFACTORY	4																											
UP STREAMS	3	4.5	JUST LEGAL	3																											
			UNSATISFACTORY	2																											
SUSTAINABILITY SCORE	9	14	UNFIT FOR USE	1																											
WHO	Quality & Industrial Teams to reduce defects, wastes, emissions of Process R&D Teams to select sustainable Energies, Materials and Processes Management Teams to create sustainable Values within the Value Chain.																														
WHEN	<p>Actions and RE-Actions to be planned with Targets Proceedings</p> <div data-bbox="325 1659 887 1924"> <table border="1"> <caption>Sustainability Scores by Stream</caption> <thead> <tr> <th>Stream</th> <th>Standard Paper</th> <th>Sustainable Paper</th> </tr> </thead> <tbody> <tr> <td>DOWN STREAMS</td> <td>3</td> <td>5</td> </tr> <tr> <td>CENTRAL</td> <td>3</td> <td>4.5</td> </tr> <tr> <td>UP STREAMS</td> <td>3</td> <td>4.5</td> </tr> </tbody> </table> </div> <div data-bbox="932 1659 1453 1906" style="background-color: #008000; color: white; padding: 10px; border: 1px solid #000;"> <p>Balanced Scorecard For Sustainability RENEW REDUCE REPLACE REPAIR REUSE RECYCLE Streams: UP, CENTRAL, DOWN</p> </div>	Stream	Standard Paper	Sustainable Paper	DOWN STREAMS	3	5	CENTRAL	3	4.5	UP STREAMS	3	4.5																		
Stream	Standard Paper	Sustainable Paper																													
DOWN STREAMS	3	5																													
CENTRAL	3	4.5																													
UP STREAMS	3	4.5																													