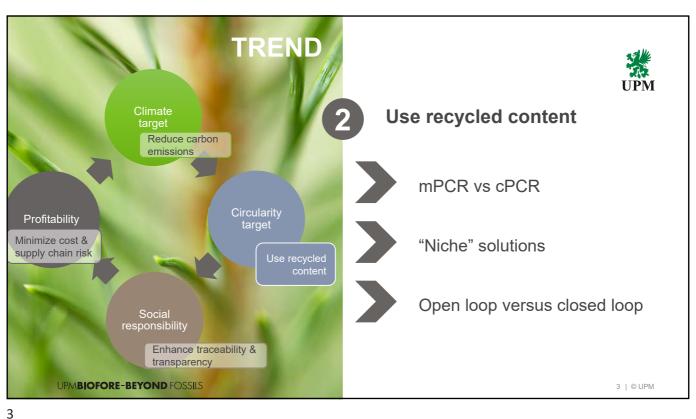
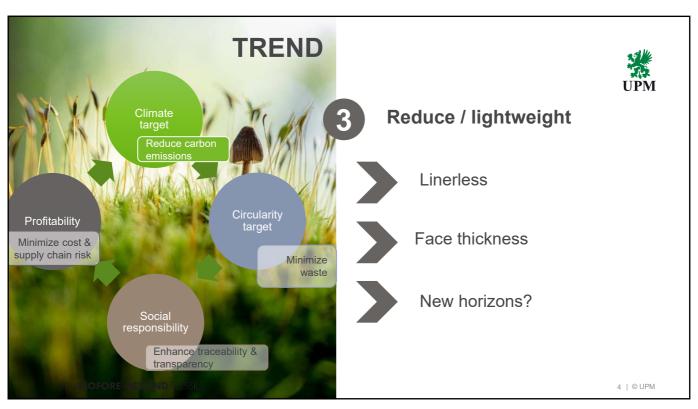
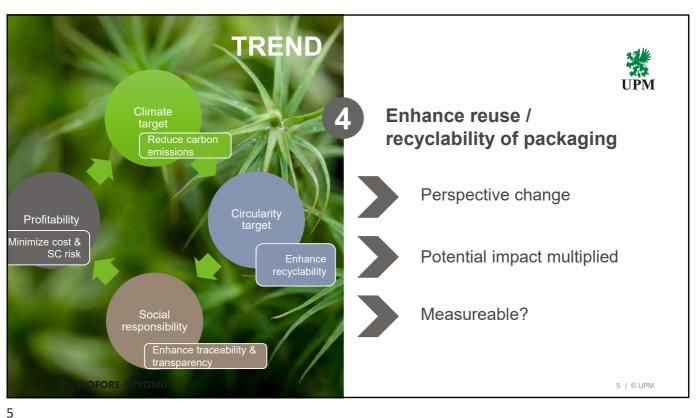
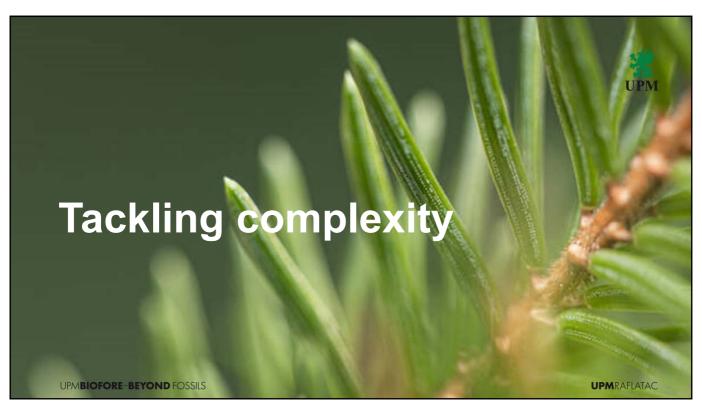


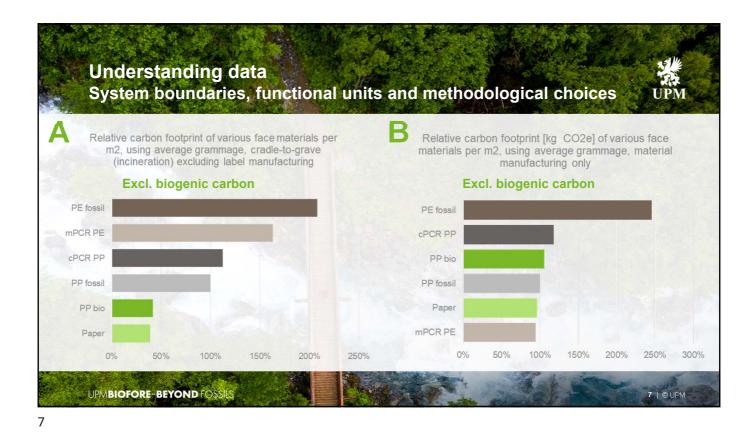
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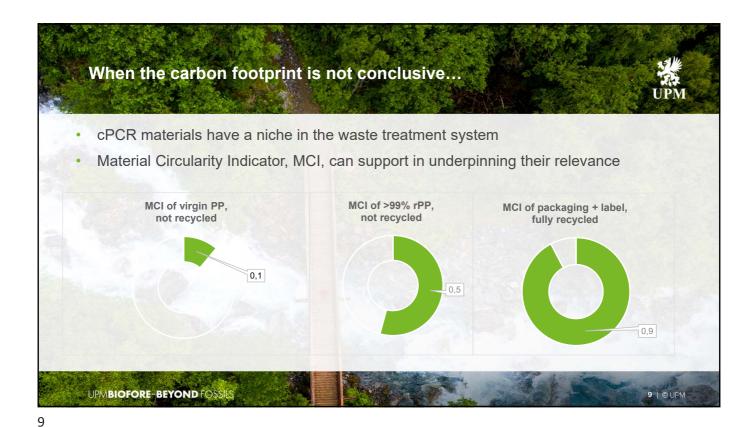








Circularity and carbon footprint (CF) From linear to circular plastics Material Circularity Indicator, MCI Carbon Footprint (cut-off, incl. end of life) Relative carbon footprints of 2 PET bottle MCI of 100% rPET bottle MCI of PET bottle solutions not recyclable mostly recyclable rPET, mostly recyclable virgin PET, not recyclable Methodology based on:
Circularity Indicators: An Approach to Measuring Circularity", EllenMacArthur Foundation and Granta Design, 2019 Revision 100% 60% UPMBIOFORE-BEYOND FOSSIL 8 | © UPM



It is complex, what to do about it? Multi-criteria decision making (Primary) data, normalized **Business strategy** Weightings Source 1 Source 2 Source 3 Standardized Circularity 0.75 0.8 0.7 2 Climate 0.9 0.8 0.7 Individual 0.7 Traceability 0.7 0.3 Availability 0.2 0.5 0.6 TOTAL 0.62 0.61 0.67 10 | © UPM UPMBIOFORE-BEYOND FOSS

