

Direct Conversion of Seaweed to Biofuels

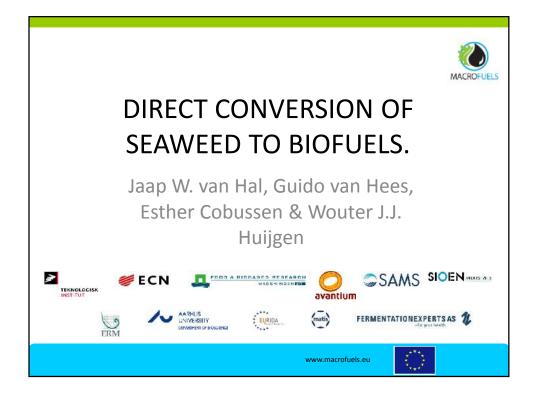




Author(s) J.W. van Hal, G. van Hees, E. Cobussen, W.J.J. Huijgen

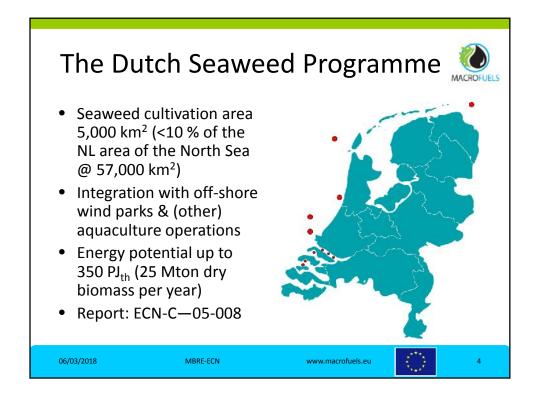
Disclaimer

Although the information contained in this document is derived from reliable sources and reasonable care has been taken in the compiling of this document, ECN cannot be held responsible by the user for any errors, inaccuracies and/or omissions contained therein, regardless of the cause, nor can ECN be held responsible for any damages that may result therefrom. Any use that is made of the information contained in this document and decisions made by the user on the basis of this information are for the account and risk of the user. In no event shall ECN, its managers, directors and/or employees have any liability for indirect, nonmaterial or consequential damages, including loss of profit or revenue and loss of contracts or orders.



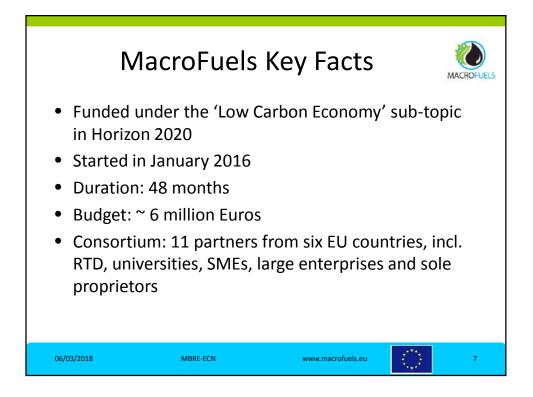


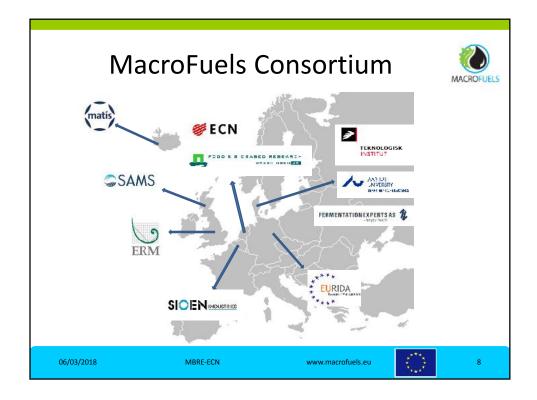


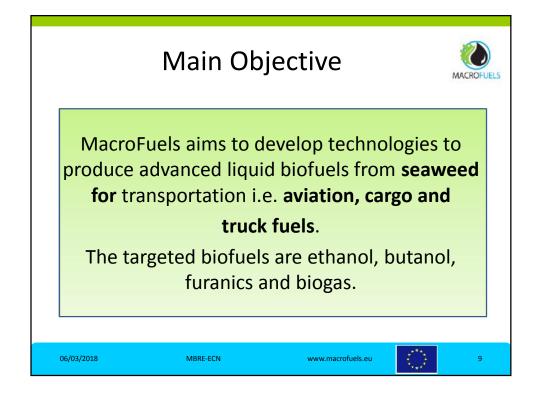


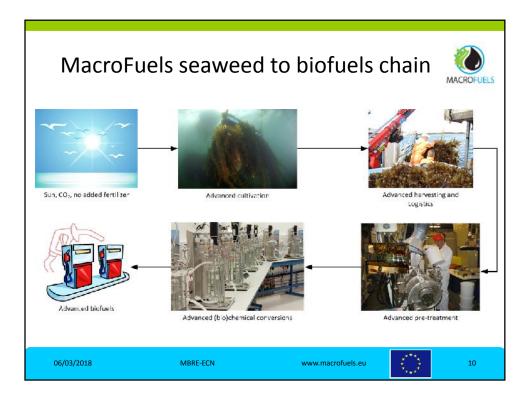




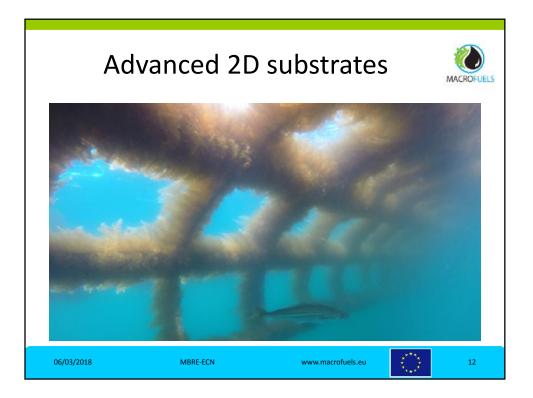






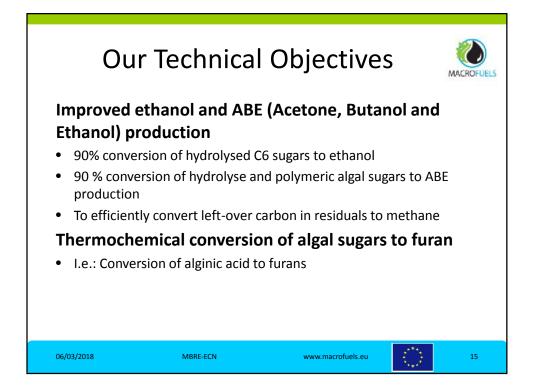


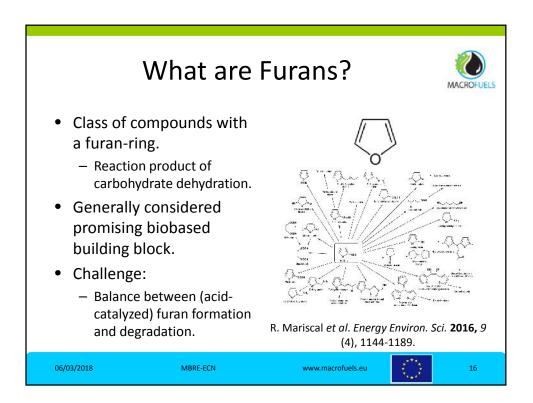




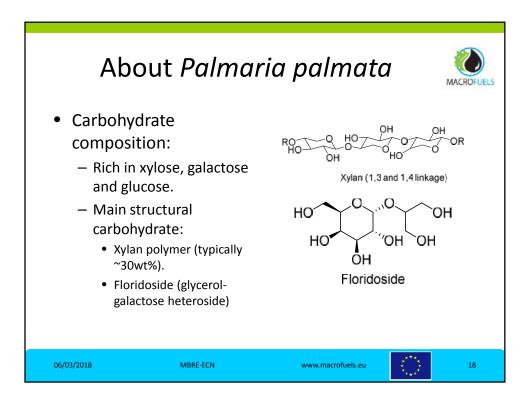


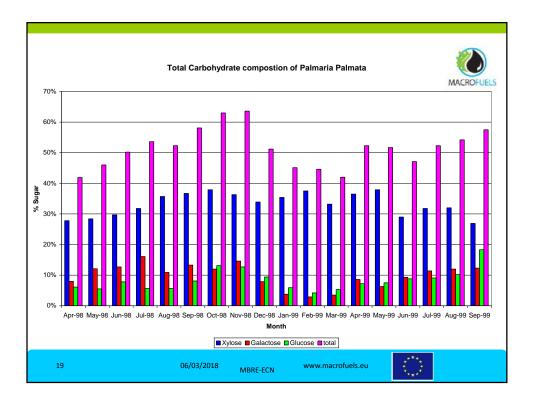


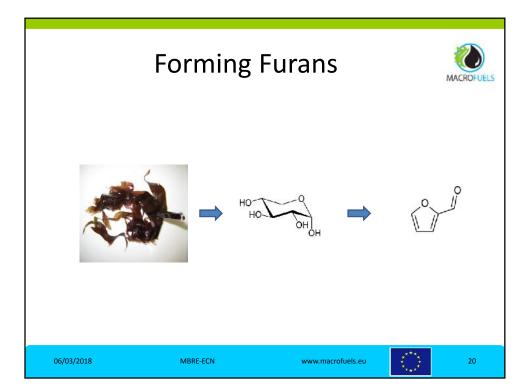


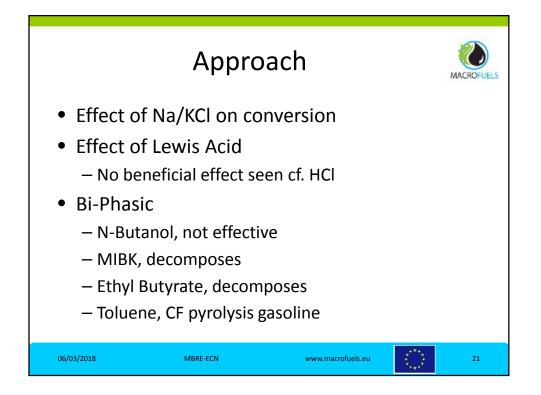


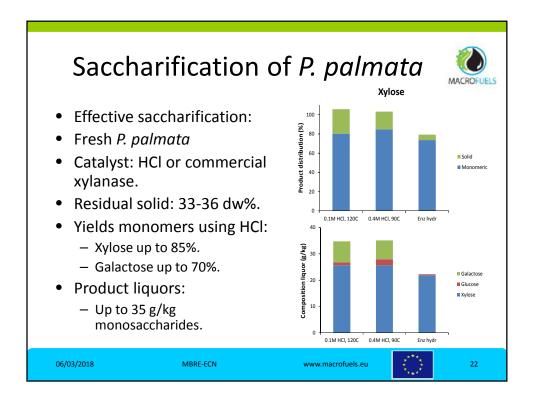


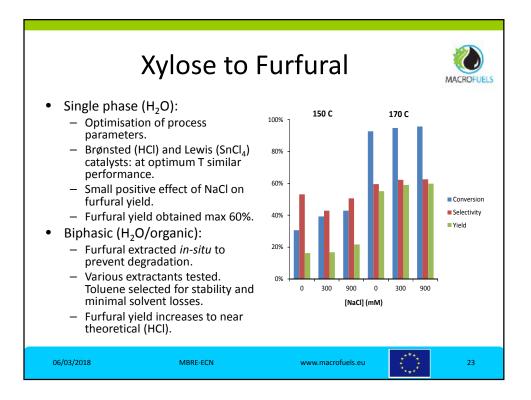


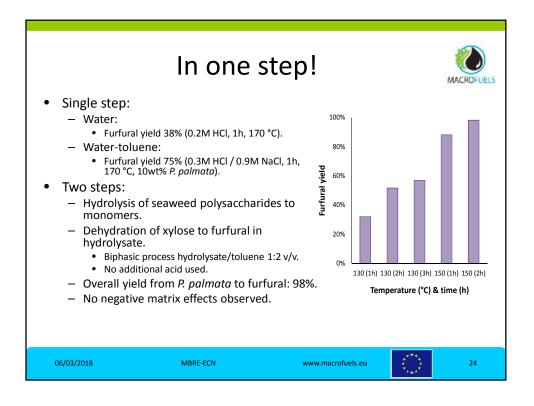




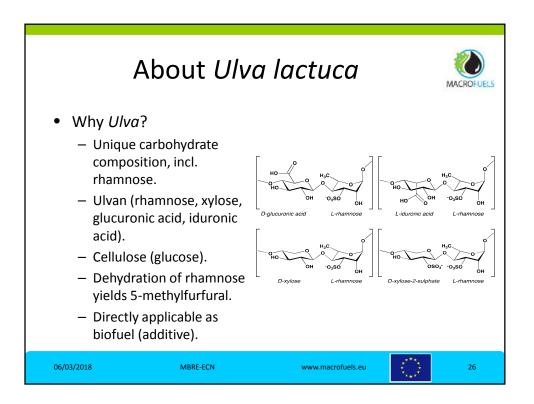


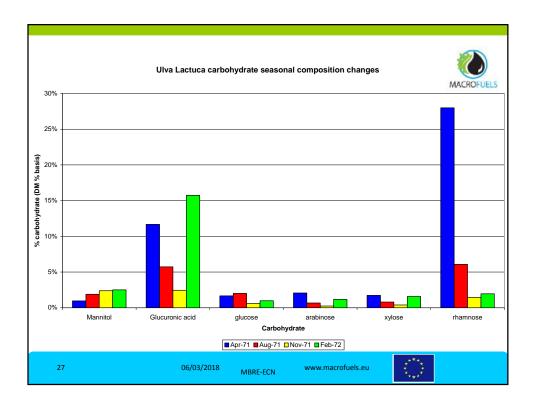


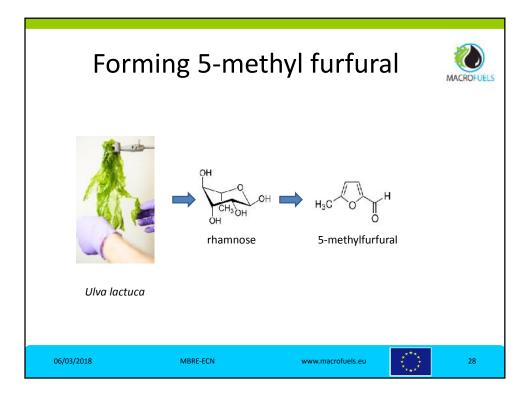


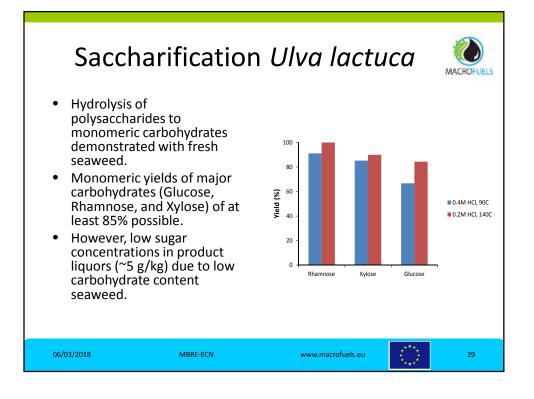


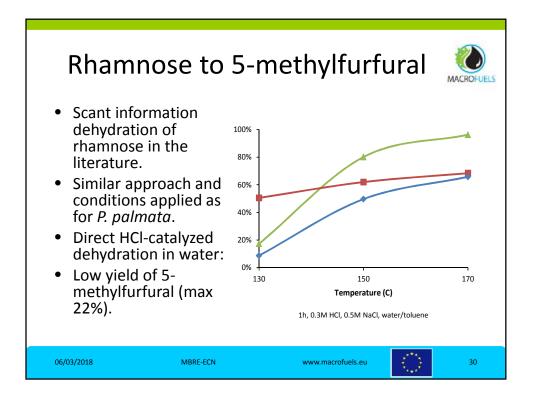


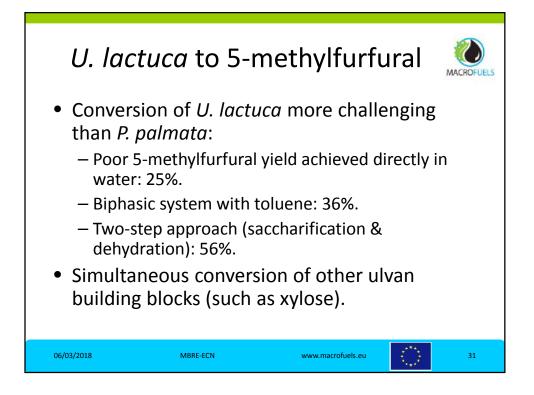


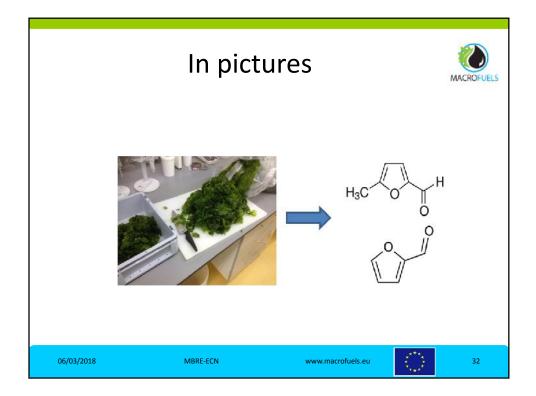


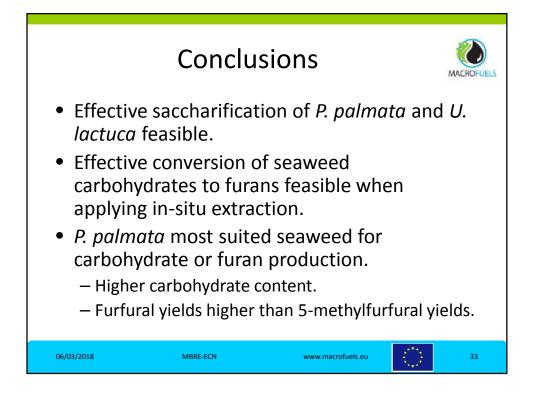












In numbers		маско
Process / yields	<i>P. palmata:</i> Xyl → furfural	<i>U. lactuca:</i> Rham → 5-methylfurfural
One-step approach in H ₂ O	38	25
One-step approach in H ₂ O/toluene	75	36
Two-step approach with H ₂ O/toluene	98	56
06/03/2018 MBRE-ECN	www.macrofue	ls.eu



