

HYDROTHERMAL LIQUEFACTION (HTL) OF MIXED WASTE MATERIALS SYNERGISTIC INVESTIGATIONS FOR A CIRCULAR ECONOMY OF THE CHEMICAL INDUSTRY

Juliano Souza dos Passos
PhD Student
Tel.: +45 5030 1582
Email: jsp@eng.au.dk



HyFlexFuel 

 **CBIO**
AARHUS UNIVERSITY CENTRE FOR
CIRCULAR BIOECONOMY

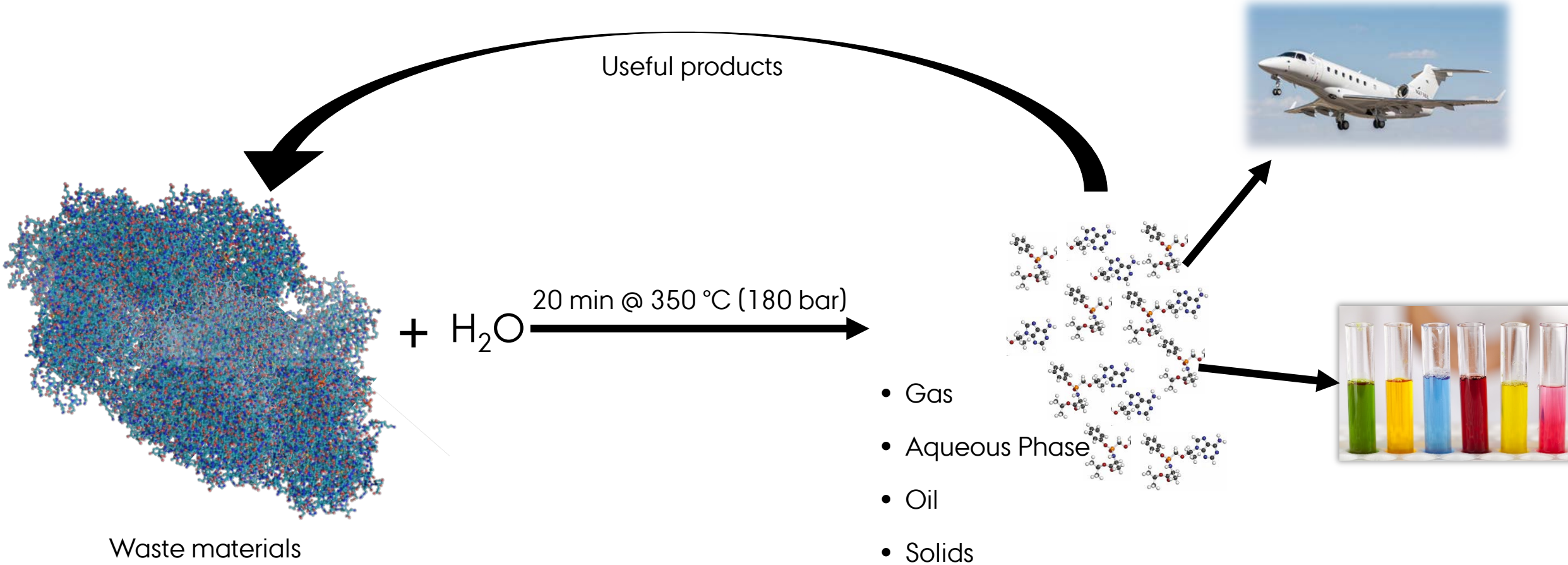
 **AARHUS
UNIVERSITY**
DEPARTMENT OF ENGINEERING

AGRIBUSINESS WASTE

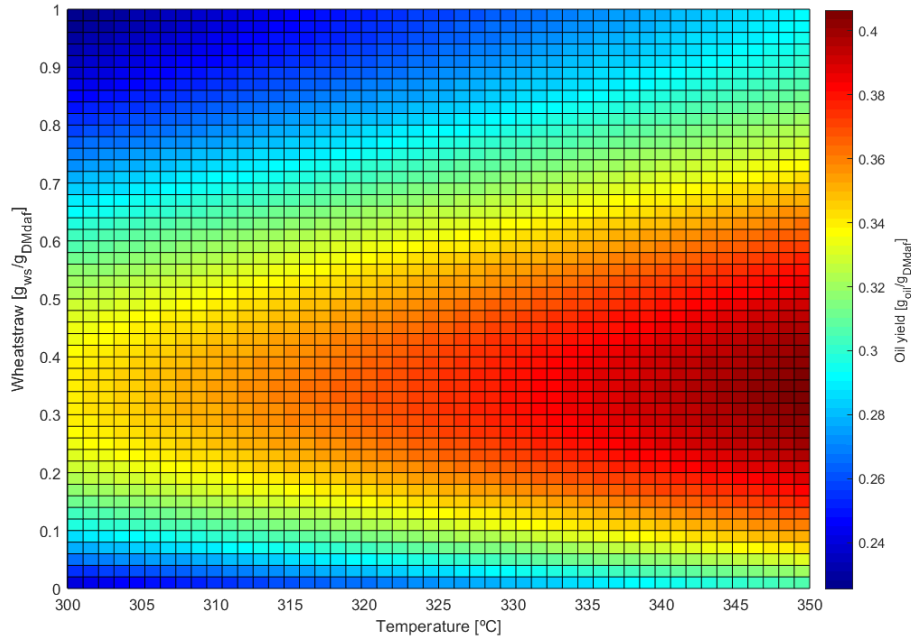
Feedstock available in Europe	Potential (MtD/y)	Moisture content (%)			Ash content (%)		
		typ	min	max	typ	min	max
Cereal (wheat) straw	241	15	10	20	7	1	14
Manure cattle	157	-	-	-	-	-	-
Sugarbeet leaves	128	85	0	0	0	5	23
Maize stover	63	15	15	60	6	4	10
Sunflower straw	34	20	10	70	9	3	13
Poultry manure	27	-	-	-	-	-	-
Biowaste separately collected	23	56	10	80	34	5	57
Oil seed rape straw	21	15	10	20	4	3	5
Sewage Sludge	10	-	-	-	-	-	-
Pig manure	8	-	-	-	-	-	-



HYDROTHERMAL LIQUEFACTION



EXAMPLE: WHEAT STRAW AND MANURE



HYDROTHERMAL LIQUEFACTION (HTL) OF MIXED WASTE MATERIALS SYNERGISTIC INVESTIGATIONS FOR A CIRCULAR ECONOMY OF THE CHEMICAL INDUSTRY

Juliano Souza dos Passos
PhD Student
Tel.: +45 5030 1582
Email: jsp@eng.au.dk



HyFlexFuel 

 **CBIO**
AARHUS UNIVERSITY CENTRE FOR
CIRCULAR BIOECONOMY

 **AARHUS
UNIVERSITY**
DEPARTMENT OF ENGINEERING