











ADVANCES IN >>
HYDROTHERMAL CONVERSION OF
INDUSTRIAL BIOGENIC RESIDUES INTO
INTERMEDIATE BIOENERGY CARRIERS




RESULTS FROM THE F-CUBED PROJECT

AGENDA


TIME	PRESENTATION TITLE	SPEAKER & ORGANISATION
08:30	Welcome coffee	
	BACKGROUND AND INTRODUCTION TO THE F-CUBED PROJECT	
9:00	F-CUBED: Upgrading of wet bio-residues into intermediate bioenergy carriers	 Heather Wray >> TNO
9:20	What is TORWASH®? Overview of a novel hydrothermal treatment process	 Levien de Legé >> TORWASH®
9:45	Pilot-scale hydrothermal treatment of paper sludge, olive pomace and orange peels into intermediate energy carriers	 Douwe Zijlstra >> TNO
	Morning break	
	F-CUBED PRODUCTS: PERFORMANCE AND APPLICATIONS	
10:40	Evaluation of utilizing hydrochar generated from TORWASH® process for the steelmaking industry	 Chuan Wang >> Swerim
11:05	Biogas recovery from the filtrates of hydrothermally-treated wet residue streams	 Tim Hendrickx >> Paques
11:30	Nutrient element recovery potential of 3 different feedstocks after the TORWASH® process	 Manuel Bauer >> University of Hohenheim
11:55	Combustion and Gasification of Pellets produced from TORWASH®	 Eddie O´Callaghan >> Heat Systems
	Lunch	
	MODELLING THE F-CUBED PROCESSES	
13:30	Connecting F-CUBED's bioenergy carriers: A novel supply chain model	 Haresh Jayasankar >> University of Galway
13:55	Process model of Torwash mild hydrothermal treatment	 Jan Wilco Dijkstra >> TNO
14:20	Life Cycle Assessment and Socio-Economic Impact of F-CUBED Product System for pulp & paper biosludge, virgin olive pomace and fruit & vegetable wastes	 Marco Ugolini >> Care For Engineering

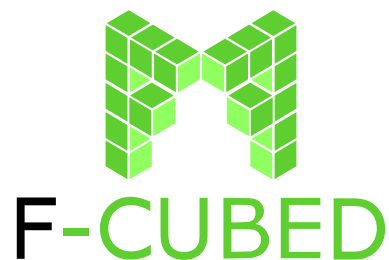
Afternoon break

TREATMENT OF OLIVE SECTOR WASTE RESIDUES

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| 15:15 | Olive leaves: from waste to active in pharmaceutical micro and nanoformulations |  Maria Camilla Bergonzi
» University of Florence |
| 15:30 | LIFE-COMPOLIVE Project: Automotive and furniture biocomposite prototype parts with 40% of reinforcing wood fibers from olive tree pruning waste |  Juan-Pablo Ferrer
» Andaltec |
| 15:45 | Gaia Tech: on a quest for hidden treasures in agro-waste |  Enrico Tenaglia
» Gaia Tech |

CONCLUSIONS

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| 16:00 | Future directions for the F-CUBED and TORWASH® processes in industry |  Heather Wray
» TNO |
| 16:30 | Conclusion of conference | |



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