

BlackCycle Final Workshop

28th May 2024
Saarbrücken, Germany



Jean Michel DOUARRE - Michelin
Pascal KLEIN - Pyrum
Simona MAASSEN - Orion

9h – 9h15 Welcoming notes

9h15 – 12h35 BlackCycle, enable massive and viable circular economy of tyres

9h15 – 9h35 Context and value chain of the BlackCycle project Jean Michel DOUARRE - Michelin

9h35 – 9h55 Innovative selective **end of life tyre deconstruction** Thomas SIMONELLI - Michelin
Alexander PROKEIN - Estato

9h55 – 10h15 Optimized **pyrolysis process and distillation** Andreas KAPF - Pyrum
Ignacio de PASCUAL SAMPER - Sisener

10h15 – 11h15 Coffee Break & Networking

11h15 – 11h40 Production of high quality **secondary raw materials**: Sustainable carbon black and plasticizer Celso MAGRI - Orion
Marion SERVEL - Michelin

11h40 – 12h00 **Closing the loop**: secondary raw materials as direct replacement of fossil materials in new tyres Jean-Philippe WEBER
& Magali HEURTEFEU - Michelin

12h00 – 12h35 **Viability of the value chain** Christina PAPADIMITRIOU
& Augustin MILLION - Quantis
Margarita DORATO - Michelin

12h35 – 14h00 Lunch Break

14h00 – 14h35 Academic knowledge enhancement

14h00 – 14h05 Introduction Jean Michel DOUARRE - Michelin

14h05 – 14h20 Design and operation of a packed **pilot scale distillation column for tyre pyrolysis oil**: towards the recovery of value-added raw materials Juan Daniel MARTINEZ - CSIC-ICB

14h20 – 14h35 **Catalytic upgrading of the end of life tyre pyrolysis oil** to increase the aromatic content Eleni PACHATOURIDOU - CERTH-CPERI

14h35 – 15h35 Making the tyre circular economy a success

14h35 – 14h40 Introduction Jean Michel DOUARRE - Michelin

14h40 – 14h55 Unlock **regulatory constraints** and accelerate value-chain deployment Margarita DORATO - Michelin

14h55 – 15h20	Achieving social acceptance while ensuring health, safety, and environmental compliance	Jean-Philippe WEBER - Michelin Guy MALAIR & Céline DUPUIS - Ineris Thomas SIMONELLI - Michelin
15h20 – 15h35	Following initiative: WhiteCycle	
15h35 – 16h00	<i>Coffee Break</i>	
16h00 – 16h15	Conclusion: We're moved to the green revolution	Jean Michel DOUARRE - Michelin
16h15 – 17h00	<i>Networking</i>	