CaBeC

Cascading Benefits...

Jim Greer, - https://www.flickr.com/photos/17063145@N04

... of Coffee



Valcofex Valorization Coffee Extraction



Valcofex

Environmentally friendly processing
 Cascade extraction
 Near- Zero minimal waste
 Scalable biorefinery



Valcofex

Coffee waste valorization Local, regional and international development Integrated Biorefineries Sustainable bioprocesses and markets

Objectives



Valcofex Products for a cleaner future



cc: skinnydiver - https://www.flickr.com/photos/53197929@N00

Valuable added products and building blocks:

Lipids Fatty acids Phytosterols Diterpenes Phytohormones Saccharides Fibers Close to100% value added extractables ca.15% for Cosmetics alone









Lifecycle based Circular Economies



cc: Maren Barbee - https://www.flickr.com/photos/27781737@N05







cc: letorrivacation - https://ww

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cc: Crystal Kwok - https://unspiesh.com/@spacexuan?utm_source=haikudeck&utm_medium=referral&utm_campaign=api-credit

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Healthcare, Cosmetics, Bio-building blocks



































CaBeC Z

David F. Perry PhD 63 APPLICATION DEVELOPMENT France, US, Europe, Brazil Jurgen Engerisser 39 PROCESS TECHNOLOGY Blue Economy Innovation Expert Belgium, Europe, Asia

Milestones

2014: Cabec incorporation 2014-2015: Raw material screening/selection Process optimization Supply, production and logistics 2015-2018 Qualility Control HACCP and Traceability Cosmetic line validation Scaled-up Logistics planning > 2019 Product line launch



Commercial development needs:

International and National B to B
Branding and distribution
R&D in-house and partner
Outsourcing
Raw material collect and logistics
Pilot plant to Industrial scale
Intergrated Biorefinery





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