



Wanderful.Stream
Masterclass in Spent Coffee Grounds
12 October 2022

www.bio-bean.com



We are the world's largest recycler of spent coffee grounds.

- reduce 'waste'
- save on CO2e emissions
- save businesses money
- reduce reliance on virgin and scarce resources



A renewable supply chain



- World drinks ~2.5 billion cups coffee /day
- → 18 million tonnes spent coffee grounds /year
- We take spent grounds collected from:
 - coffee shops
 - office blocks
 - instant coffee manufacturers
 - train stations
 - airports
 - and more
- Currently receive and process ~8,000t annually
- Capacity to process 16,000 tonnes every year

We manufacture...

Inficaf – sustainable raw material

Product design and development:

- bioplastics
- cosmetics
- packaging
- automotive friction
- & more

Coffee Logs – domestic fire log

- High-performance substitute for mass-imported woods and carbon-heavy coals

Natural flavouring extracts

- Produced from food-grade spent coffee grounds
- High-quality sustainable alternative for food and beverage industries

Coffee biomass pellets

- For use in industrial / commercial scale biomass boilers



Inficaf in use

High-impact sheet / board



Reusable cups



Furnishings / fixtures



Automotive friction



Extruded sheet



Packaging



Large range of colour options



Cosmetic exfoliants





Why our solution is beneficial to business...



- Save money by segregating wet coffee grounds from general waste bins
- No gate fees at our recycling plant



- Reduce waste to other disposal methods
- Increase DMR rates
- Generate greater CO₂e savings
- Demonstrate commitments to ↓ waste and ↑ sustainable action

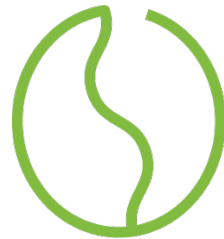


- Be a leader in sustainable innovation
- Contribute to the circular economy
- Engage customers; drive behaviour change

Why our solution is best for the environment...



- We reduce GHGs by 17x vs grounds going to standard disposal methods



- Alternative to virgin/synthesised ingredients & raw materials
- Displaces conventional fossil fuels & imported virgin wood fuels



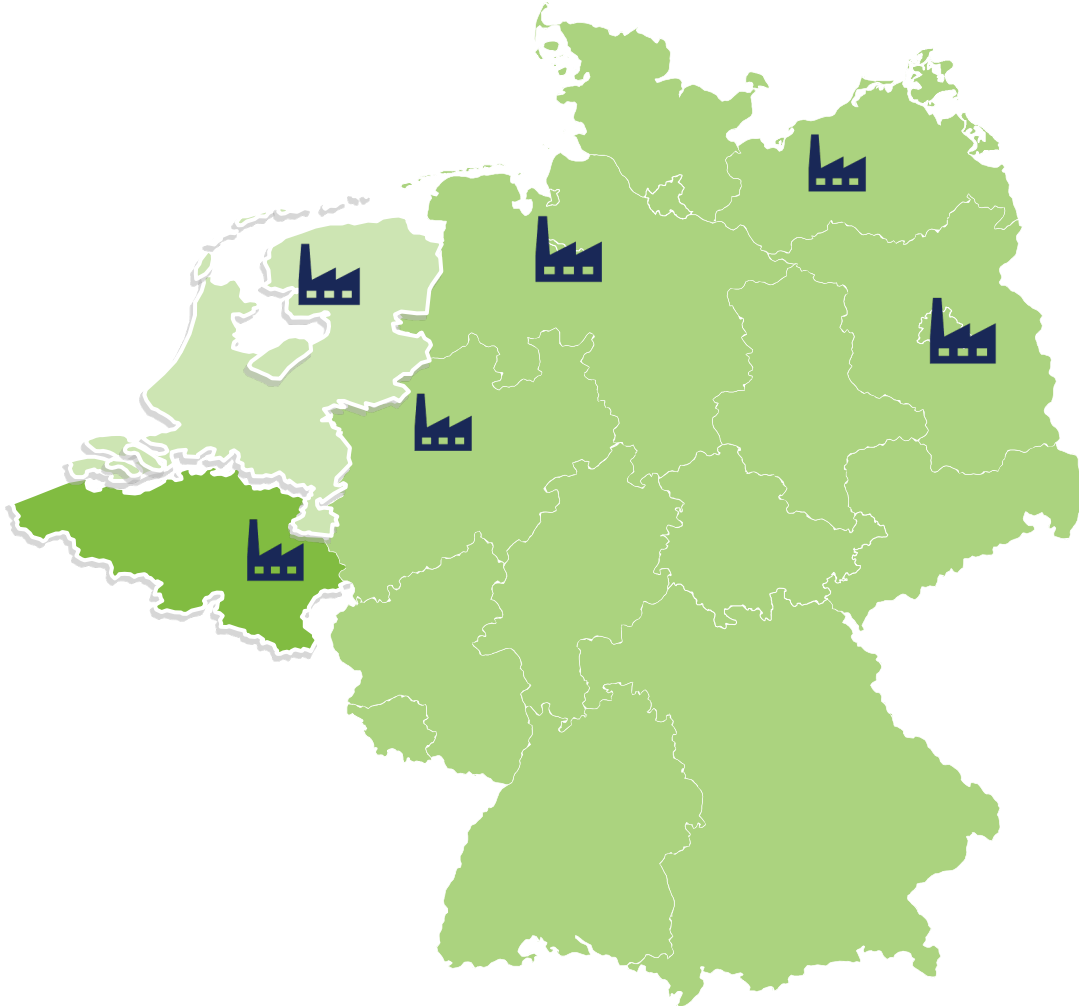
- Reduces waste to landfill
- Ensures maximum use of resource
- Diverts from linear, take-make-waste economy to circular model

The challenges for circular businesses

- First mover – both an advantage and disadvantage
- Words don't always match action
- Behaviour change – lack of understanding / education in sustainability (consumers, general public and business leaders)
- Operational change
- Market disrupters fighting the status quo?
- Legislation doesn't always actively support circular business models
- Business has greater ability than legislation to change behaviours / drive change
- Technology not able to keep pace with innovation and lack of consistency in recycling access
- End of life
- Communication is key

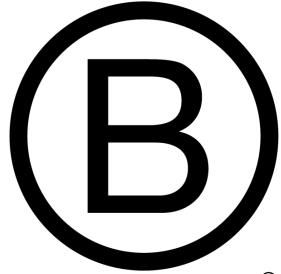


Where next for bio-bean – Belgium (?)



- Known large volumes of spent grounds available
- Several major instant coffee factories in NW Europe
- Favourable ecosystem
- Emphasis on sustainable materials and waste valorisation
- Already supplying to European customers
- Well located for growth

Certified



Corporation

This company meets high standards of social and environmental impact.



2022



2021



Environment

Let's create sustainable change, together

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