



A member of
LafargeHolcim

For a zero-waste future

Waste pre-treatment and co-processing in Cement Kiln Konstantin Bojinov, Head of Geocycle Russia



www.geocycle.com

<https://youtu.be/WeRMRTNSswg>



2,000
employees

188
co-processing
facilities

20 countries
In Europe
50 in the world

85
pre-treatment
facilities

10,000
customers
worldwide



Global waste challenge

3.4 – 4.0
billion tons of
waste generated
every year



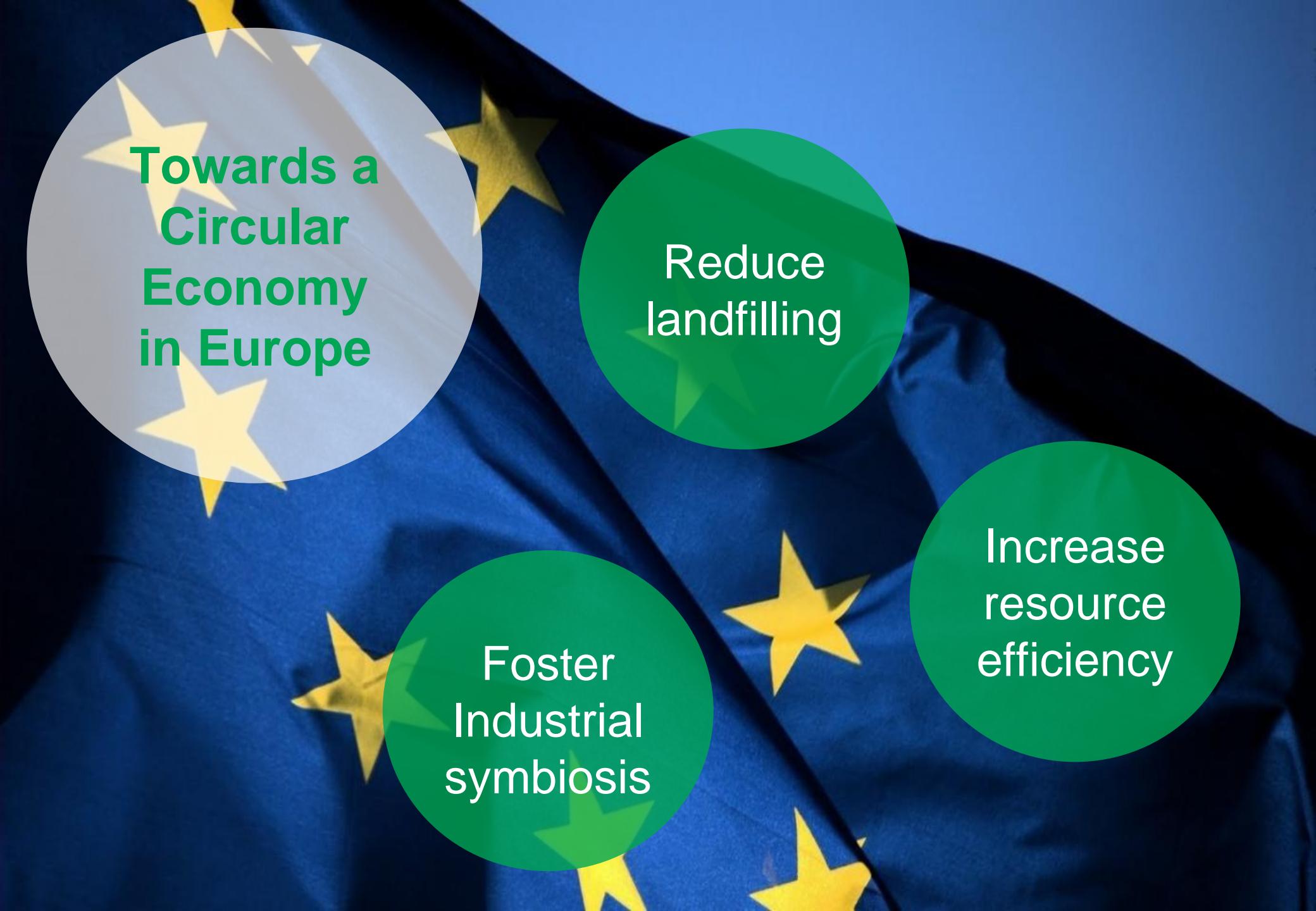
**Europe, part of
a global waste
challenge**



**61
million tons of
Municipal waste
landfilled every
year**



**2.5
billion tons of
waste generated
every year in
Europe**

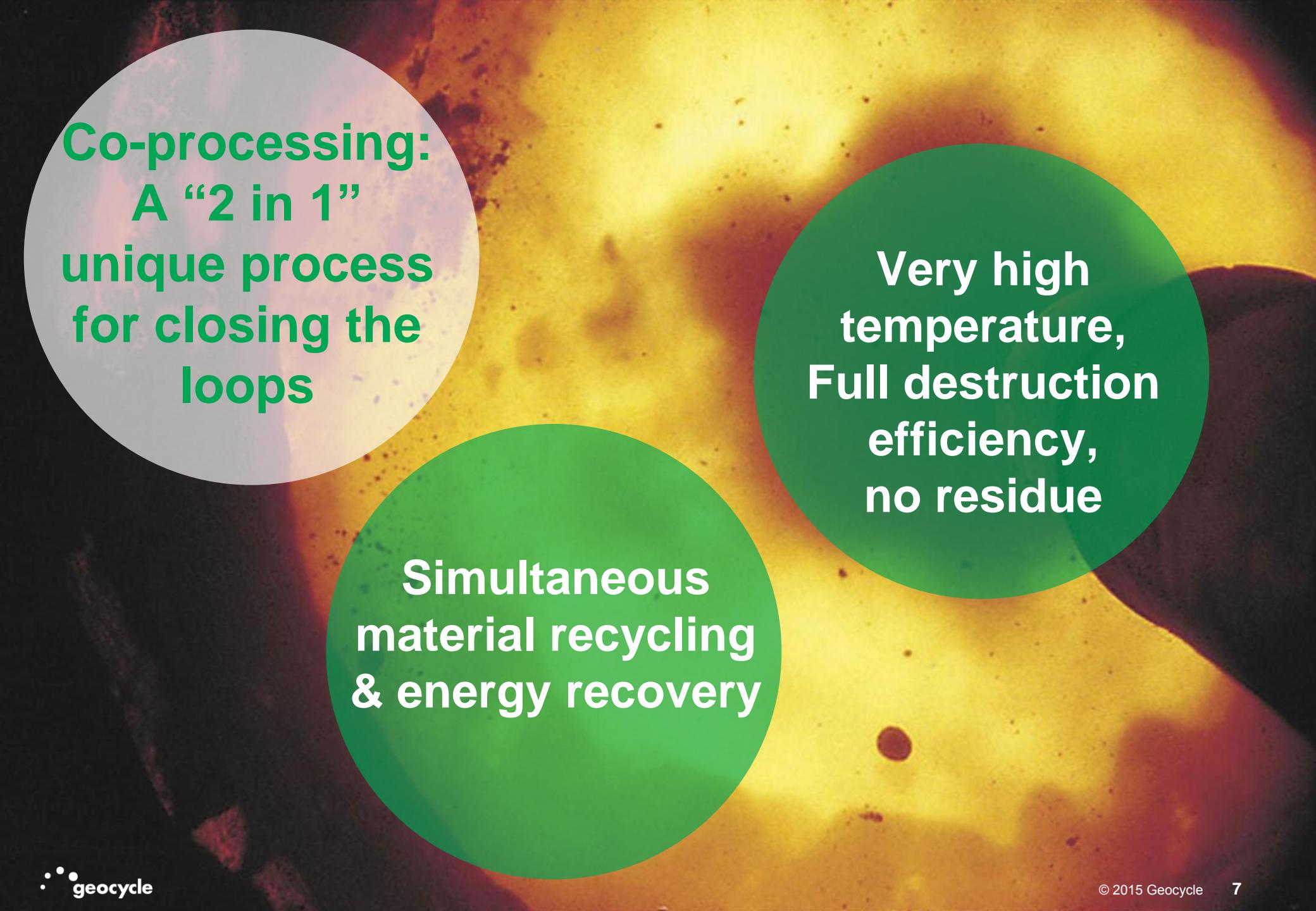


Towards a Circular Economy in Europe

Reduce
landfilling

Foster
Industrial
symbiosis

Increase
resource
efficiency

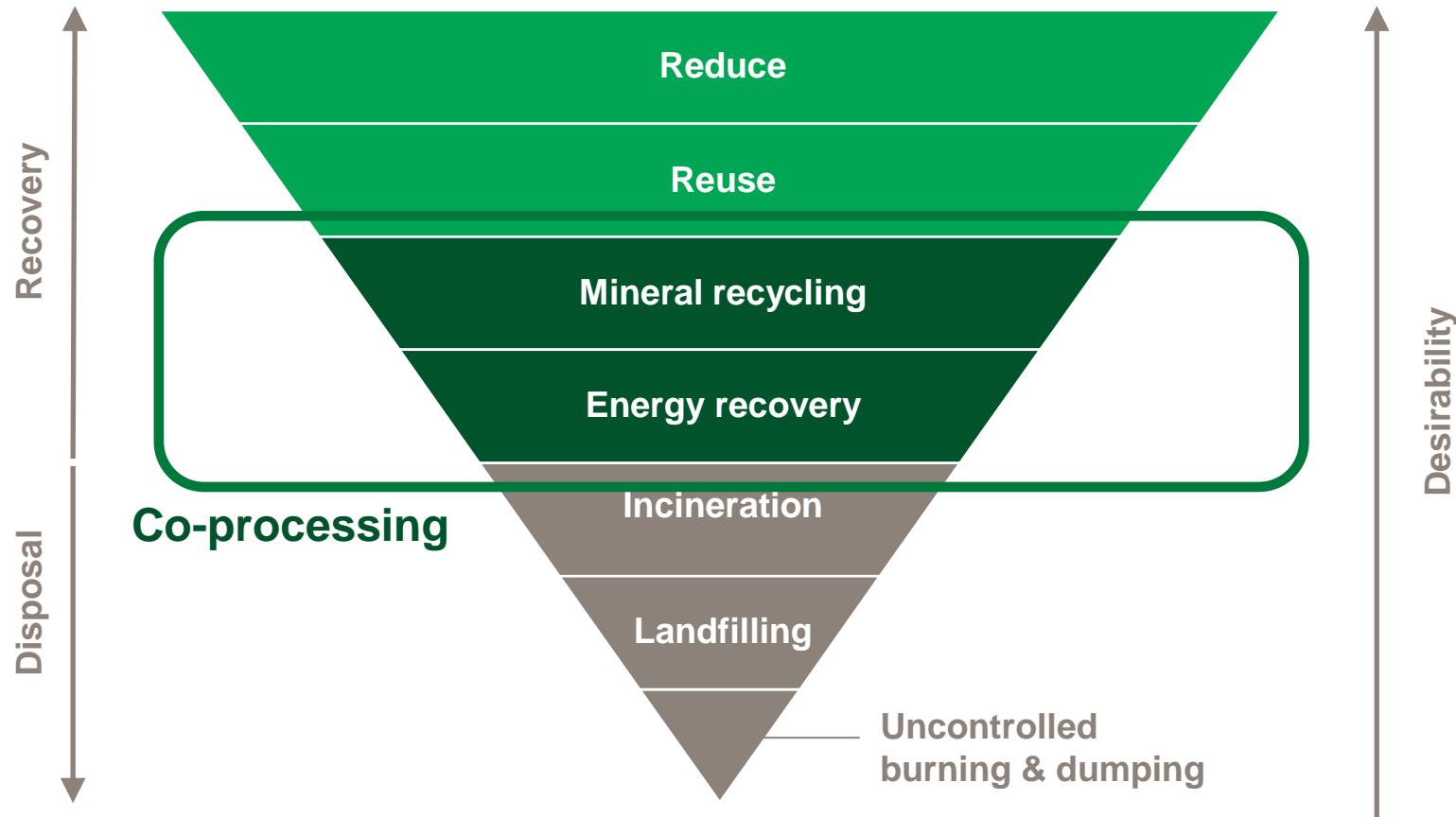


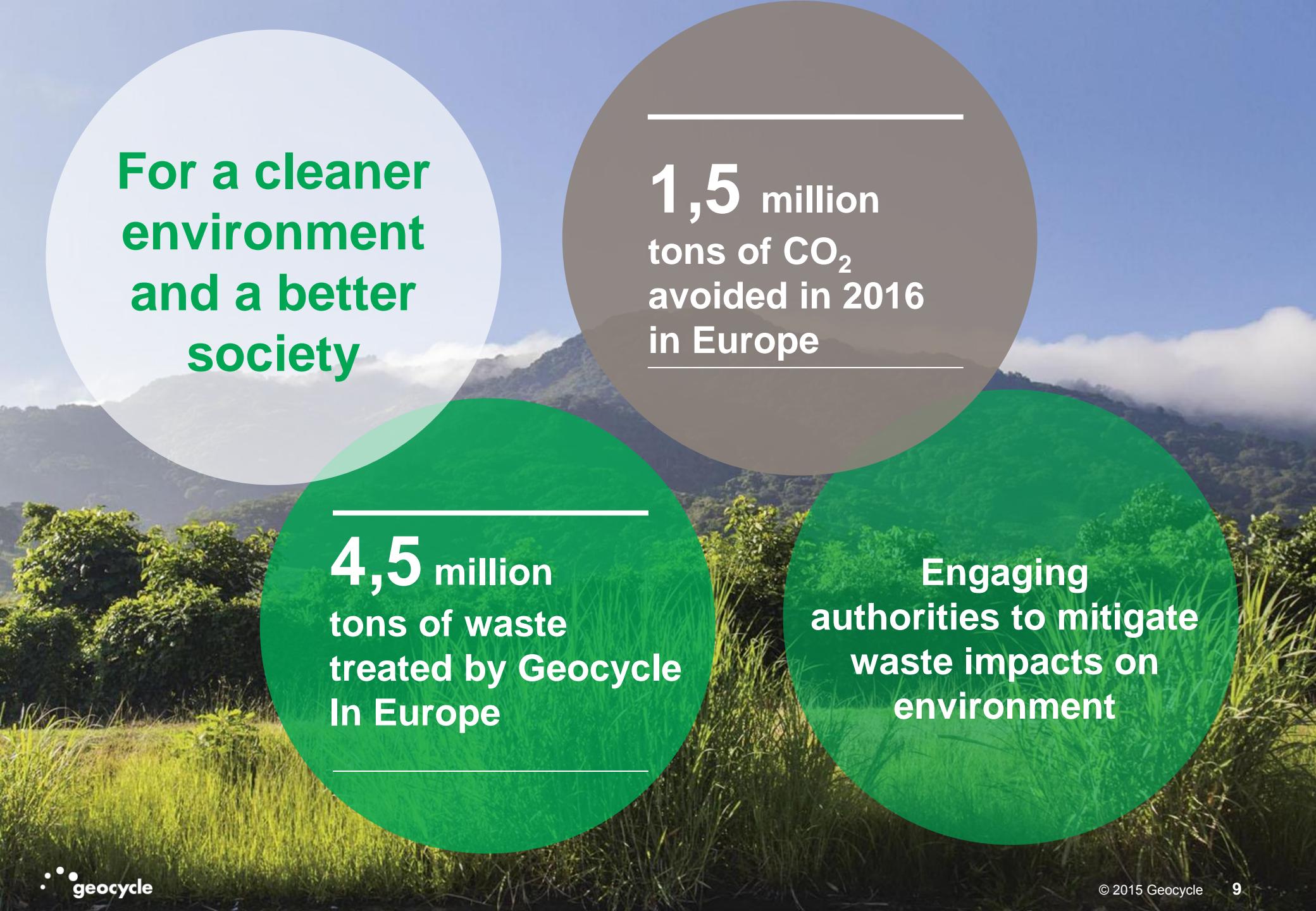
Co-processing:
A “2 in 1”
unique process
for closing the
loops

**Very high
temperature,
Full destruction
efficiency,
no residue**

**Simultaneous
material recycling
& energy recovery**

Mineral Recycling and Energy Recovery through co-processing





**For a cleaner
environment
and a better
society**

**1,5 million
tons of CO₂
avoided in 2016
in Europe**

**4,5 million
tons of waste
treated by Geocycle
In Europe**

**Engaging
authorities to mitigate
waste impacts on
environment**



**Geocycle
provides
expertise and
solutions on the
whole value
chain**

Waste preparation ■

■ Health & Safety Management

Laboratory analysis
& waste characterisation ■

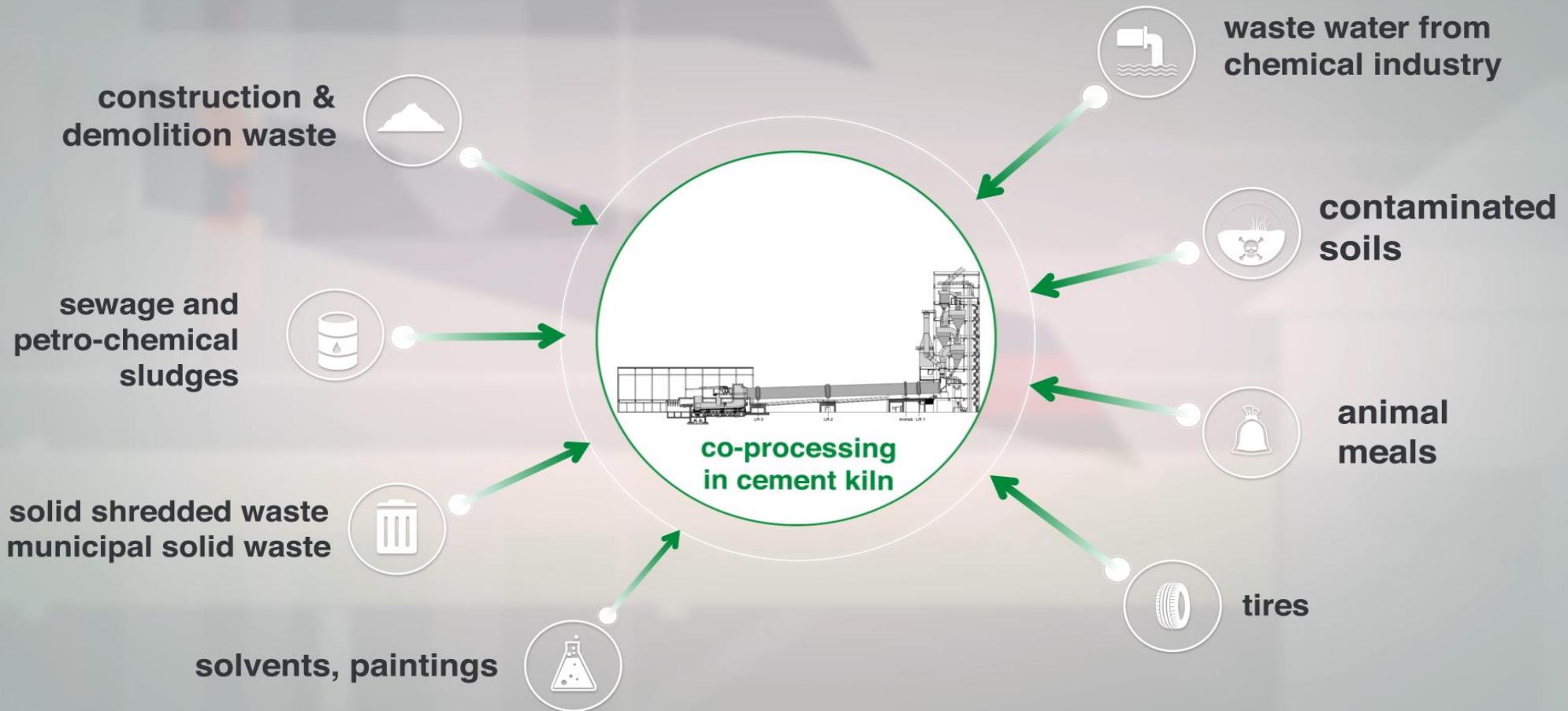
■ Co-processing

Logistics / transport ■

■ Environmental & legislative
expertise



Waste Streams suitable for co-processing



Environmental, Social and Economic benefits of co-processing



Climate
Change
mitigation

1.5 million tonnes of CO₂ avoided in 2016 thanks to Geocycle (biomass content of our waste which is carbon neutral)



Recycling and
Resource
Efficiency

1.3 million tonnes of raw material recycled in 2016 thanks to Geocycle



No additional
public
expenditure

Increasing the share of co-processing use to 60% average in Europe could save up to

12.2€ billion in dedicated wtE plants says Ecofys study



Local jobs

European Commission (2017): "Transition to a more circular economy can create local new and high-quality jobs". **Geocycle Europe keeps on growing by developing more preprocessing facilities**

Лицензия на обращение с отходами

- **3 июня 2016** Обособленное подразделение АО «Лафарж Цемент» получило лицензию на обращение с **5 видами отходов**

Наименование	Код по ФККО	Виды обращения
Шины пневматические автомобильные отработанные	9 21 110 01 50 4	сбор, утилизация
Камера пневматических шин автомобильных отработанные	9 21 120 01 50 4	сбор, утилизация
Покрышки пневматических шин с тканевым кордом отработанные	9 21 130 01 50 4	сбор, утилизация
Покрышки пневматических шин с металлическим кордом отработанные	9 21 130 02 50 4	сбор, утилизация
Остатки сортировки твердых коммунальных отходов при совместном сборе	7 41 119 11 72 4	сбор, обработка, утилизация

