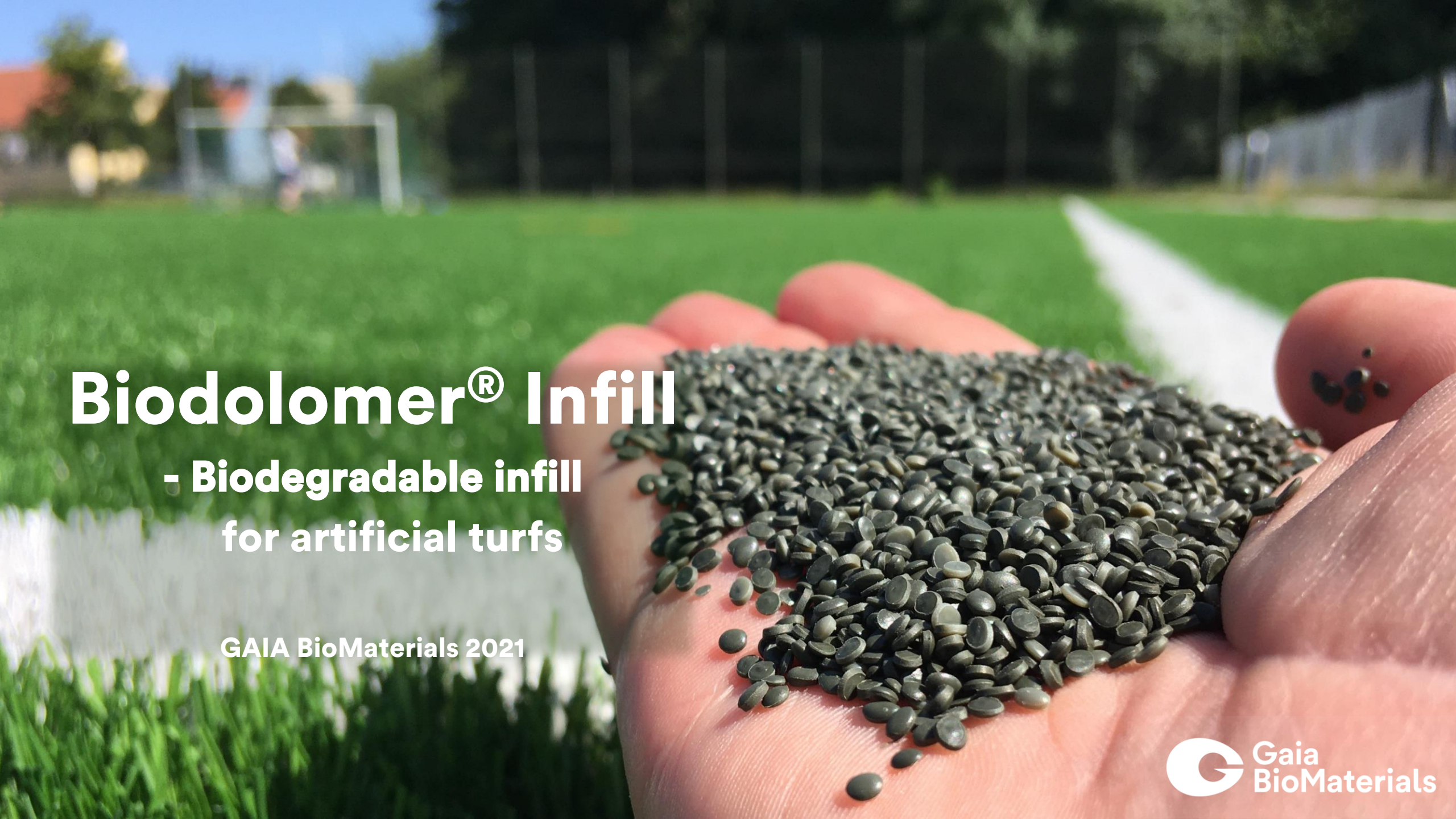




Biodolomer® Infill

**- Biodegradable infill
for artificial turfs**

GAIA BioMaterials 2021

Brief facts about GAIA

- Founded 2015 in Helsingborg, Sweden
- Develops and sells biodegradable materials based on renewable sources under the Biodolomer® brand
- The Biodolomer® formula is patent protected
- Global sales & distribution





Advantages with Biodolomer® Infill

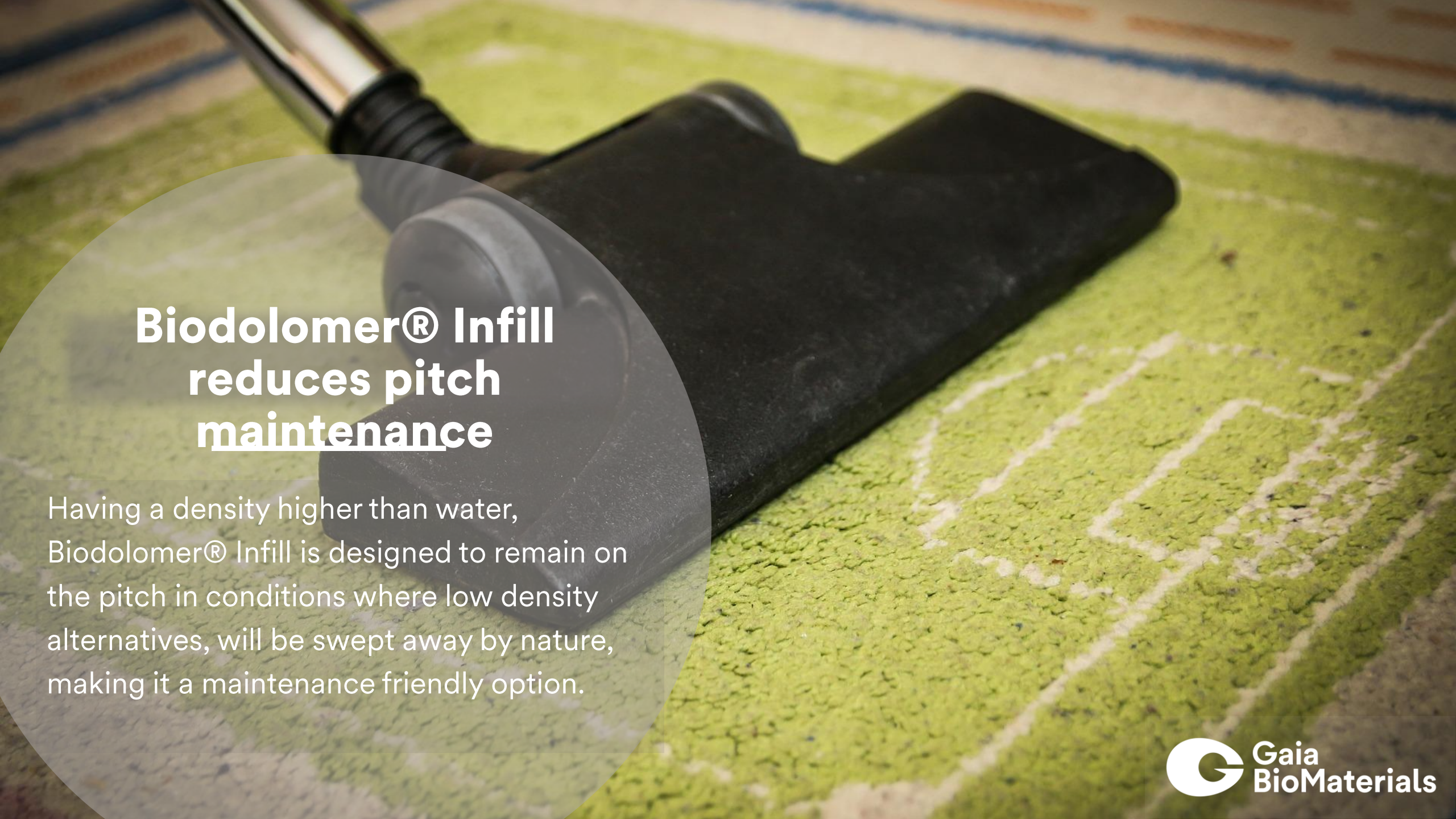
- No microplastic particles (fully biodegradable)
- Less pitch maintenance
- Based on materials from renewable sources
- Odourless



Biodolomer® Infill does not generate microplastics

According to a study*
conducted by ETH Zurich and
Eawag, biomaterials such as
Biodolomer® biodegrade
completely in soil; thus not
resulting in any microplastics.

*) Biodegradation of synthetic polymers in soils: Tracking carbon into CO₂ and microbial biomass
Science Advances 25 Jul 2018: Vol. 4, no. 7, eaas9024



Biodolomer® Infill reduces pitch maintenance

Having a density higher than water, Biodolomer® Infill is designed to remain on the pitch in conditions where low density alternatives, will be swept away by nature, making it a maintenance friendly option.

Biodolomer® Infill is based on renewable resources



CALCIUM
CARBONATE



STARCH



VEGETABLE OIL



BIODEGRADABLE
ESTER



Biodolomer® Infill is odourless

Biodolomer® Infill does not give off any unpleasant odours, making it ideal for indoor usage.

Short facts about Biodolomer®



A black and white photograph of several eggs in a white plastic carton. A single feather is placed on top of one of the eggs. The image is slightly blurred, creating a soft, naturalistic feel.

The eggshell in focus

An eggshell consists of 90% calcium carbonate and 10% protein.

The quest to simulate one of nature's greatest packaging material led us to develop our own biomaterial, Biodolomer®.

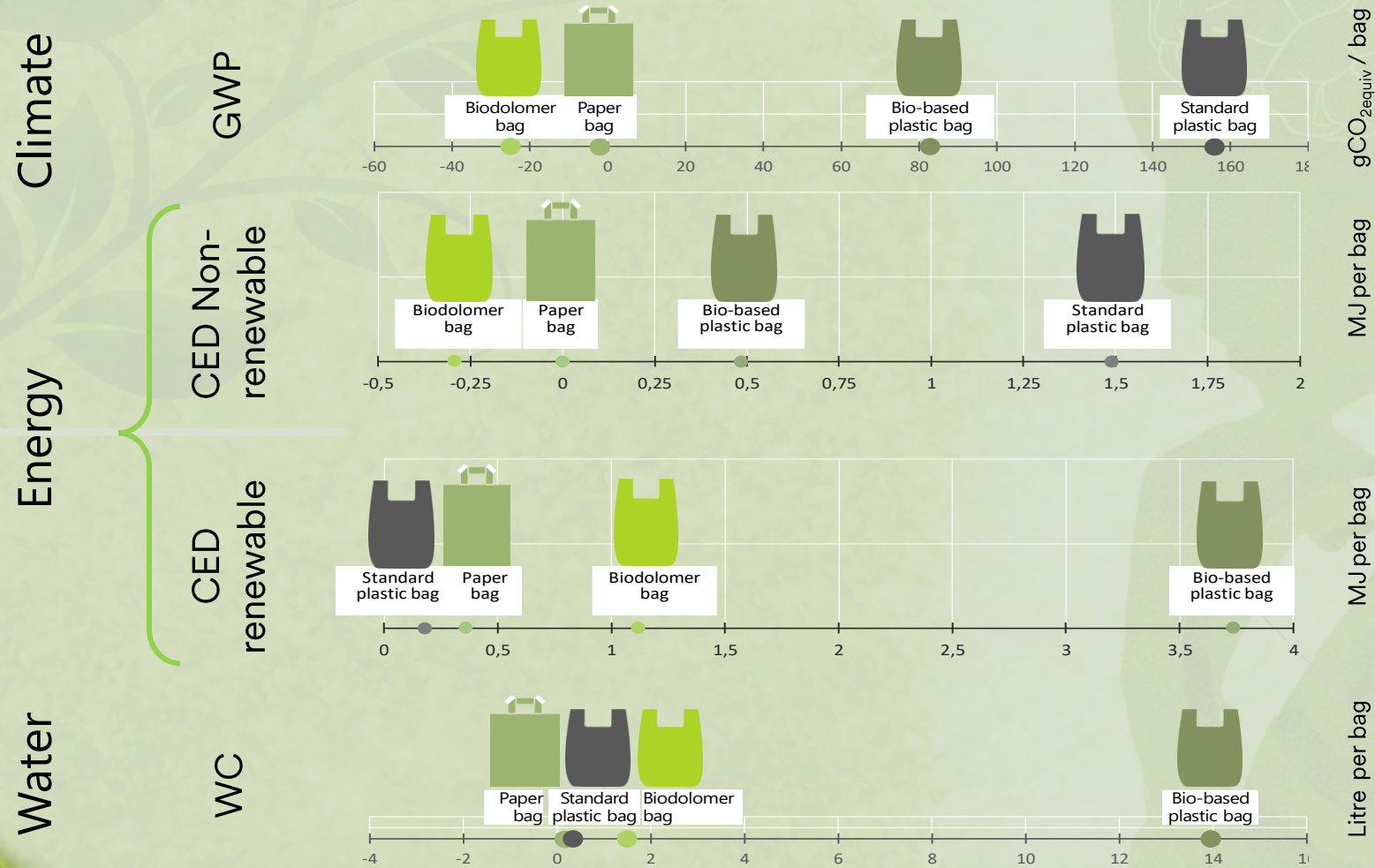


Biodolomer® helps fight CO₂ emissions

Biodolomer® reduces
CO₂ emissions
compared with fossil
plastics with up to 80%*

*) According to an LCA study commissioned by the EU from independent analytical firm Profu.

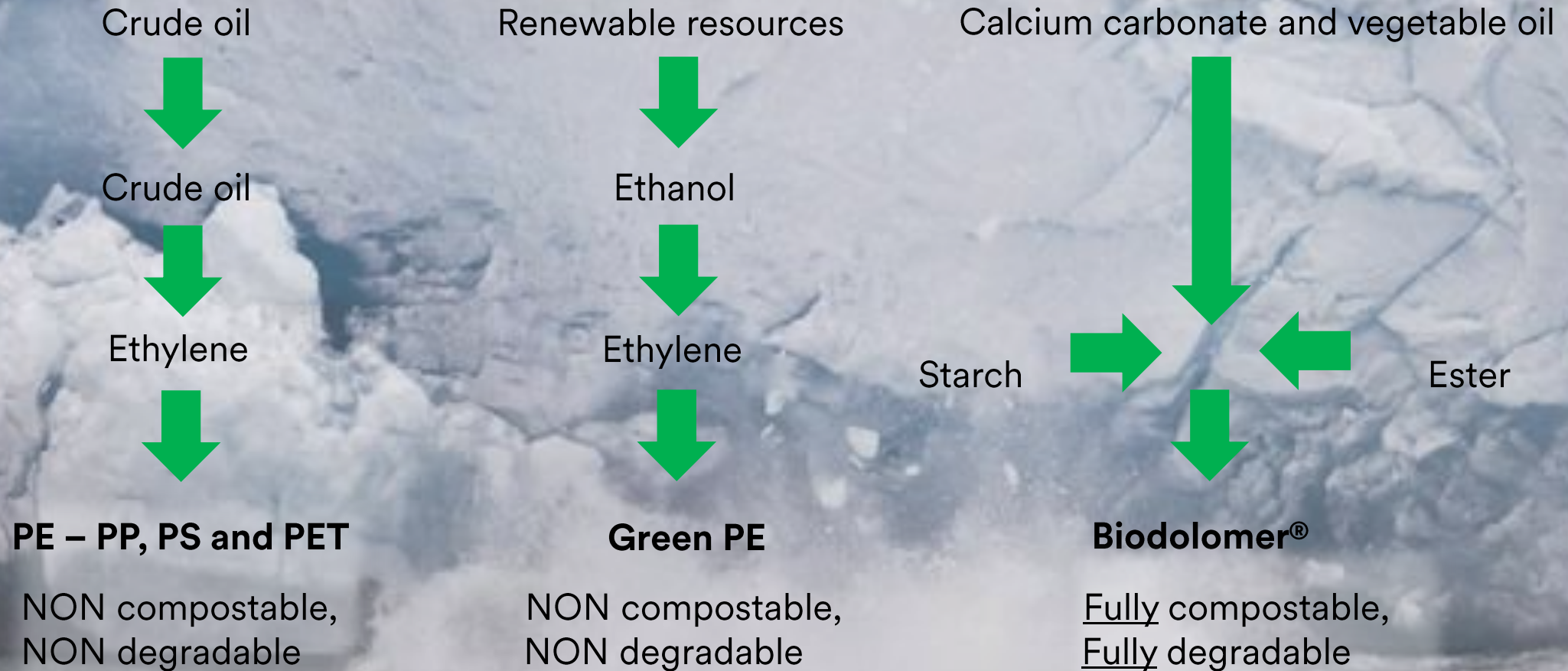
From the LCA –report commissioned by the EU*



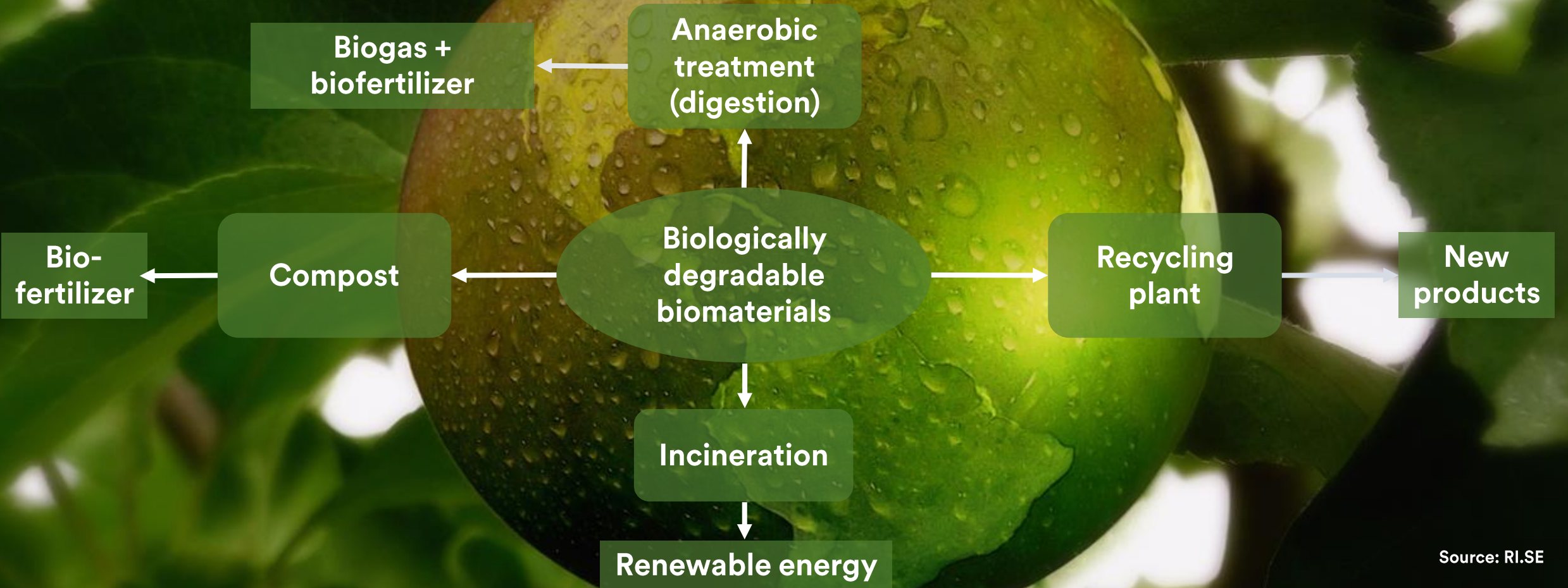
profu 

*) As part of the Biodolomer 4 LIFE project, the EU commissioned an LCA report from independent analytical firm Profu.

Different parameters – different results



Biologically degradable biomaterials



Source: RI.SE



www.gaiabiomaterials.com