



Biodolomer for LIFE

a project for a sustainable future

"How a new, innovative and fossil-free material Biodolomer® can be an alternative to and replace fossil, non-renewable energy intensive plastics and packaging material"



The project is a partnership between GAIA Biomaterials, NSR and Öresundskraft.



EU LIFE programme

The LIFE programme is the EU's funding instrument for the environment and climate action. The general objective is to contribute to the implementation, updating and development of EU environmental and climate policy and legislation by co-financing projects with European added value. LIFE started in 1992 and has co-financed more than 4500 projects in the member countries with more than 6 billion Euros to protection of the environment.

Biodolomer for LIFE

Biodolomer for LIFE will demonstrate how the new, innovative and fossil-free material Biodolomer® can be an alternative to - and replace - fossil, non-renewable and energy intensive plastics and packaging material. The project will show how Biodolomer® material can be produced and validated through four commercial reference products to control the feasibility of undertaking it for the European plastic and packaging industry.

Biodolomer® exhibits all the relevant qualities for a biomaterial:

- **Renewable**
- **Biodegradable**
- **Compostable**
- **Convertible to renewable energy**
- **Virtually no CO₂ emissions when produced and used for energy recovery, as compared to fossil-based plastics and paper**

Biodolomer® can be used for virtually all existing production processes and in all existing machines.



Biodolomer® is made from a unique combination of ingredients

- Lactic acid from sugar cane
- Calcium carbonate
- Vegetable oil

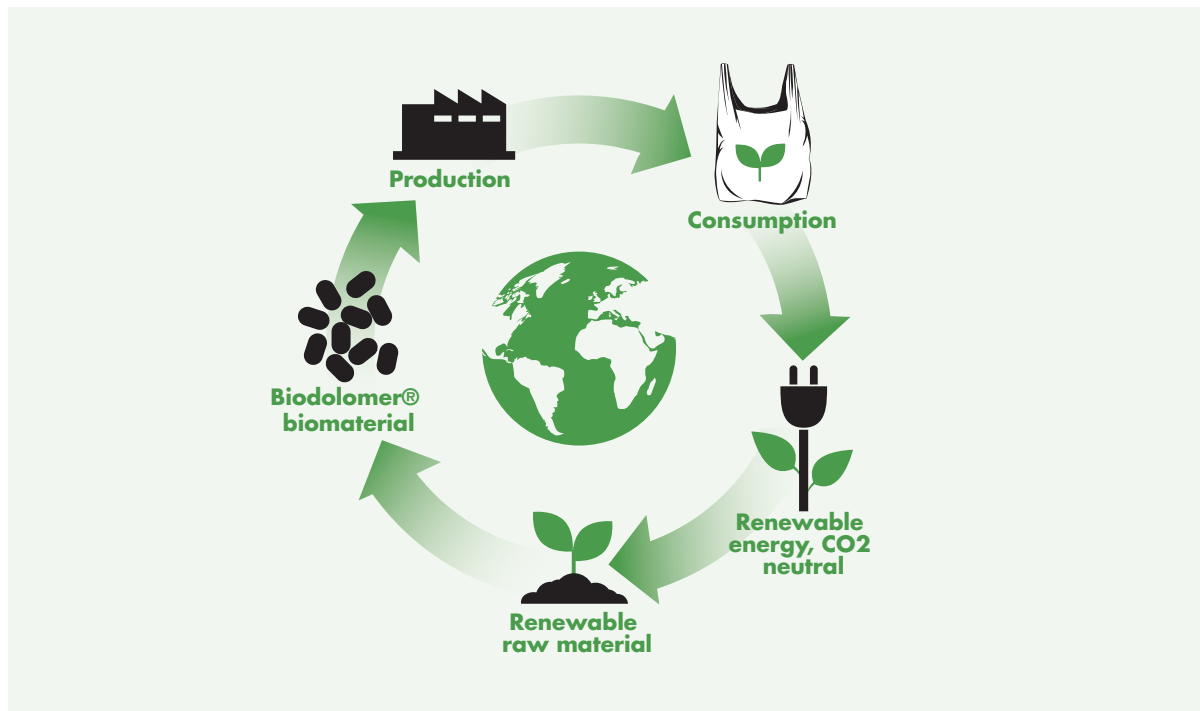
Biodolomer® is a patented material and registered trademark. Biodolomer® is fully biodegradable and compostable. It has been tested and approved by the international test institute AIB-Vincotte according to the OK COMPOST HOME and SEEDLING standard complying with the European standard EN 13432.

The following products can be made in Biodolomer® developed for the LIFE programme

- Carry bags and freezing bags
- Disposable cutlery
- Waste bags for collection of food waste
- Food trays



Biodolomer® in the Circular economy



THE PARTNERS

GAIA BioMaterials, the company behind Biodolomer®

From its headquarter in Helsingborg, GAIA BioMaterials develops and produces it's revolutionary biodegradable biomaterial Biodolomer®.

NSR, the municipal waste company

The ambition is to test the waste bags for food collection in different situations with the inhabitants of Helsingborg. The waste bags will also be tested in a pre-treatment plant to be able to see how they appear in the closed biogas system. The goal is to see how the bag is functioning in all parts of the chain, from collection to production of biogas and fertilizer.

Öresundskraft, the municipal energy company

The local energy company, providing electricity and district heating to 125 000 households in the north western region of Skåne, the ambition is to move away from burning fossil-based plastics and work towards bio-based material. When using bio-based material instead of fossil-based material in the production of electricity and heat there is no CO2 emissions emitted that will affect the climate.

Read more on our home page: www.biodolomerforlife.se

For more information, please contact: Eva Stål, project leader
eva.stal@oresundskraft.se