



The value of biomass

The future will focus on circular, CO₂-neutral and renewable raw materials for every imaginable application. The possibilities for utilising biomass more efficient and more complete are enormous. The Dutch Biorefinery Cluster sees this as one of the most important technological and economic challenges of the century.

Creating circular values.

Open innovation

A number of prominent organisations from the agri-food sector and paper industry are joining forces in the Dutch Biorefinery Cluster. By bringing together knowledge, expertise, and facilities, the cluster is using open innovation to make a great stride forwards in full valorisation of biomass.

Circular and CO₂-neutral

The circular and CO₂-neutral economy is a logical step for the partners of the Dutch Biorefinery Cluster. Soil fertility and security of raw materials thanks to advanced recycling systems and the reuse of nutrients are an essential basis for these sectors. They have been producing valuable food and non-food products from plant-based raw materials for decades, and know that this can be improved upon every day.

Biorefinery

Functional building blocks from plants

Mineral cycle

Water valorisation

Protein cascading

Valorisation of manure, sludge, and digestate

Fibre cascading

Energy efficient processes

Cross-sectoral cooperation

Moreover, major steps and a broad, cross-sectoral cooperative approach are necessary to achieve the ambitious climate objectives. This requires cooperation between all relevant sectors in the circular biobased economy and a focus on the development of new biobased chains and markets, and particularly include the valorisation of Dutch biobased raw materials.

Sustainable chain

The Dutch Biorefinery Cluster aims to open an relationship with companies, government bodies, organizations, and platforms that are active within the biobased circular economy. With unique product and market knowledge, chain management, and an international network, the cluster performs an important connecting and reinforcing role.

Partners



Associated members



Dutch Biorefinery Cluster | Postbus 20 | 6700 AA Wageningen

www.dutchbiorefinerycluster.nl