

# Niche

Using

Non-Conventional  
Energy Sources



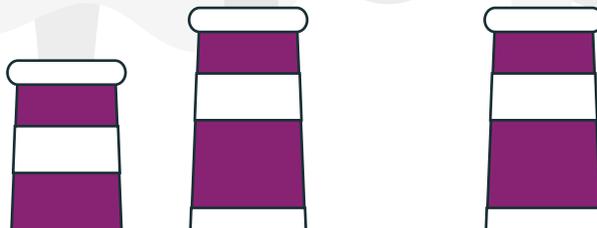
for feedstock material  
processing



**The European chemical and building materials industry is responsible for a relevant share of the EU's greenhouse gas emissions.**

**Moreover, the latest global developments have eroded the European market share in the sector and its competitiveness.**

**A change is needed to reach the objective of climate neutrality while boosting the industry's competitiveness.**



## The NiChe Cluster

aims to enable the transition towards a more sustainable chemical and building materials sector using non-conventional energy sources for feedstock material processing.

The Cluster will provide:

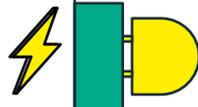
Microwave, ultrasound, laser, electrochemical and photochemical processes and bio-based feedstocks as an alternative to the use of fossil energy sources.

Devices, tools and novel technologies to cut CO2 emissions, increase performances, efficiency and flexibility in production.

The proposed solutions will contribute to technology development to reduce the environmental impact of the chemical and building materials industry.

## Discover our innovation to make the use of

**non-conventional energy sources**



**from NiChe...  
to mainstream.**



This factsheet has been produced by ICONS in the context of the Horizon Results Booster services delivered to PERFORM (GA N. 820723), SIMPLIFY (GA N. 820716), DESTINY (GA N. 820783) and LIBERATE (GA N. 820735). This product does not reflect the views of the European Commission.