

NEWSLETTER summer 2021

The LIFE Biorefformed project has worked hard to install the biorefinery at the CTFC facility, read on to find out how the project advances!

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The biorefinery has been successfully installed at the CTFC facilities

The biorefinery prototype has been installed at the facilities of the CTFC in Solsona. With a total area of 180 m², the biorefinery includes a space reserved for biomass storage and a designated location for the biorefinery. The biorefinery start-up has also been completed, with an ISO green container hosting the biorefinery (torrefaction and pyrolysis plant), as shown in Figure 2.

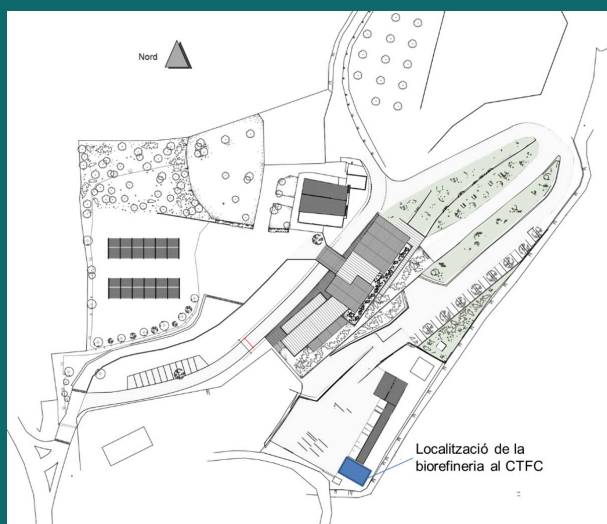


Figure 1: Biorefinery location at the CTFC in Solsona.



Figure 2. Picture of the ISO container where the ENERG-bas pilot plant for torrefaction and pyrolysis is located.

First Preliminary tests to use the prototype

Preliminary tests with the new configuration of the prototype have been carried out using certified woodchips. The diagram of the prototype is presented in Figure 3, where the biomass flow through the biorefinery as well as the products obtained after the torrefaction and pyrolysis treatments can be observed.

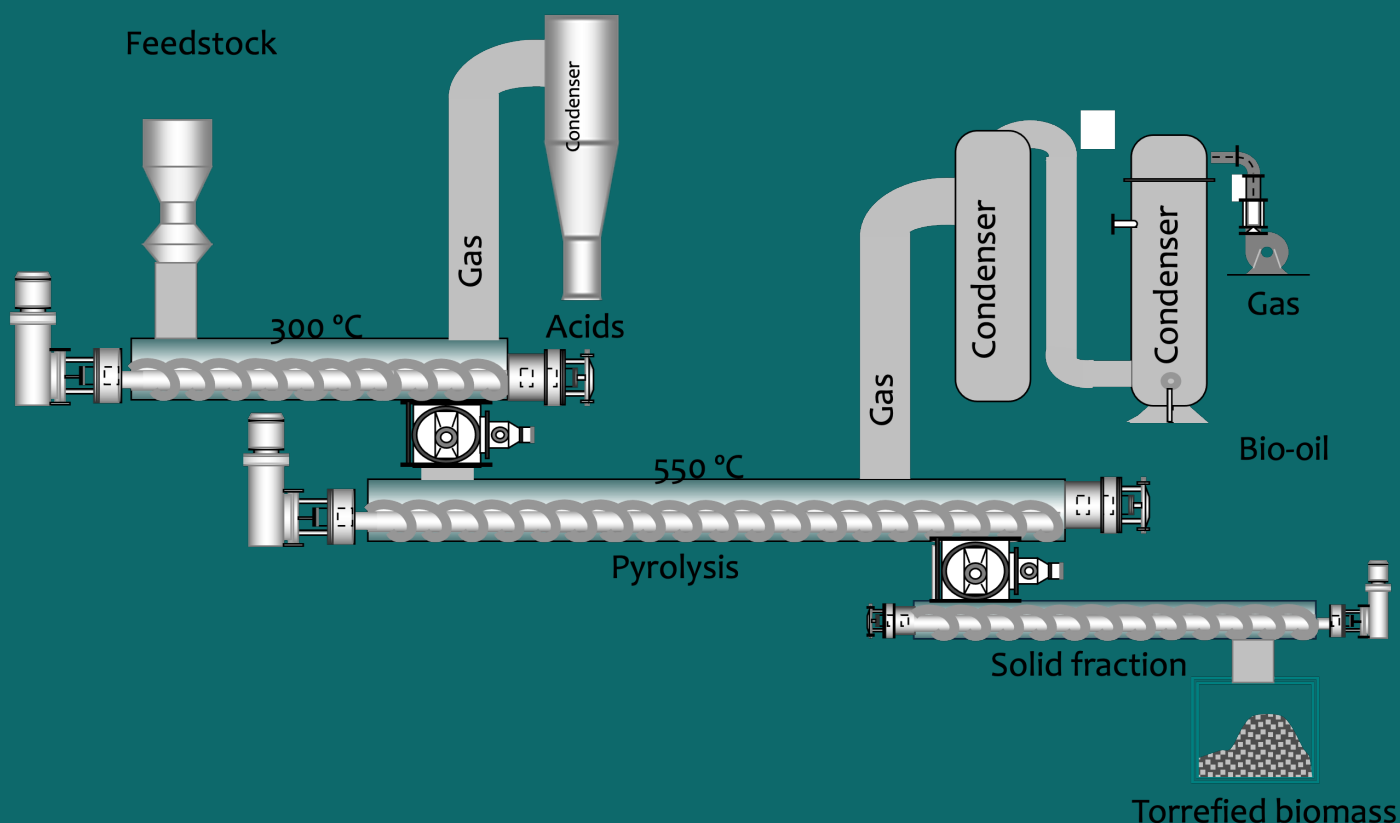


Figure 3. Diagram of the pilot torrefaction and pyrolysis plant of ENERG-bas.

Now, the determination of the optimal operating conditions to maximize the amount of final product obtained has started. Once the prototype processes the different types of biomasses from the project, the team will have information on the production costs of the final products and will be able to start calculating the replicability and transferability potential of the biorefinery to other Mediterranean countries.

LIFE Bioreformed meets for the 3rd Coordination meeting

On the 24th of March 2021, the consortium held its third coordination meeting with the aim of reviewing the progress and management of the project. Together, the team reviewed the objectives and progress of the project so far and debated the technical and financial aspects of the project before discussing its long-term benefits and updates.



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You can contact us at info@lifebiorefformed.eu**

The project LIFE BIOEFFORMED (LIFE19 ENV/ES/000544) has received funding from the LIFE Programme of the European Union. The responsibility of the contents of this publication are exclusively from CTFC and do not necessarily express the European Union opinion.