

BIOPLAT-EU

**PROMOTING SUSTAINABLE USE
OF UNDERUTILIZED LANDS FOR BIOENERGY**



OUR MAIN ACHIEVEMENTS



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 818083

This brochure reflects only the author's view and that the European Commission is not responsible for any use that may be made of the information it contains.

“Bioenergy represents the highest share of renewable energies consumed in the European Union”

The European Commission

OUR VISION

The web-based platform we developed with BIOPLAT-EU identifies Marginal, Underutilised and Contaminated (MUC) lands across Europe. These lands that can be used for biomass production and help the Union reach the EU climate targets.

OUR GOAL

Our final goal is to foster the market uptake of bioenergy production projects by identifying, analysing and removing any barriers.

OUR ACTIONS



The BIOPLAT-EU
Platform



12 European
case study regions



Stakeholder
Engagement



Structured
Financial Support



Assessment of
MUC Lands for Oil
Crop Production

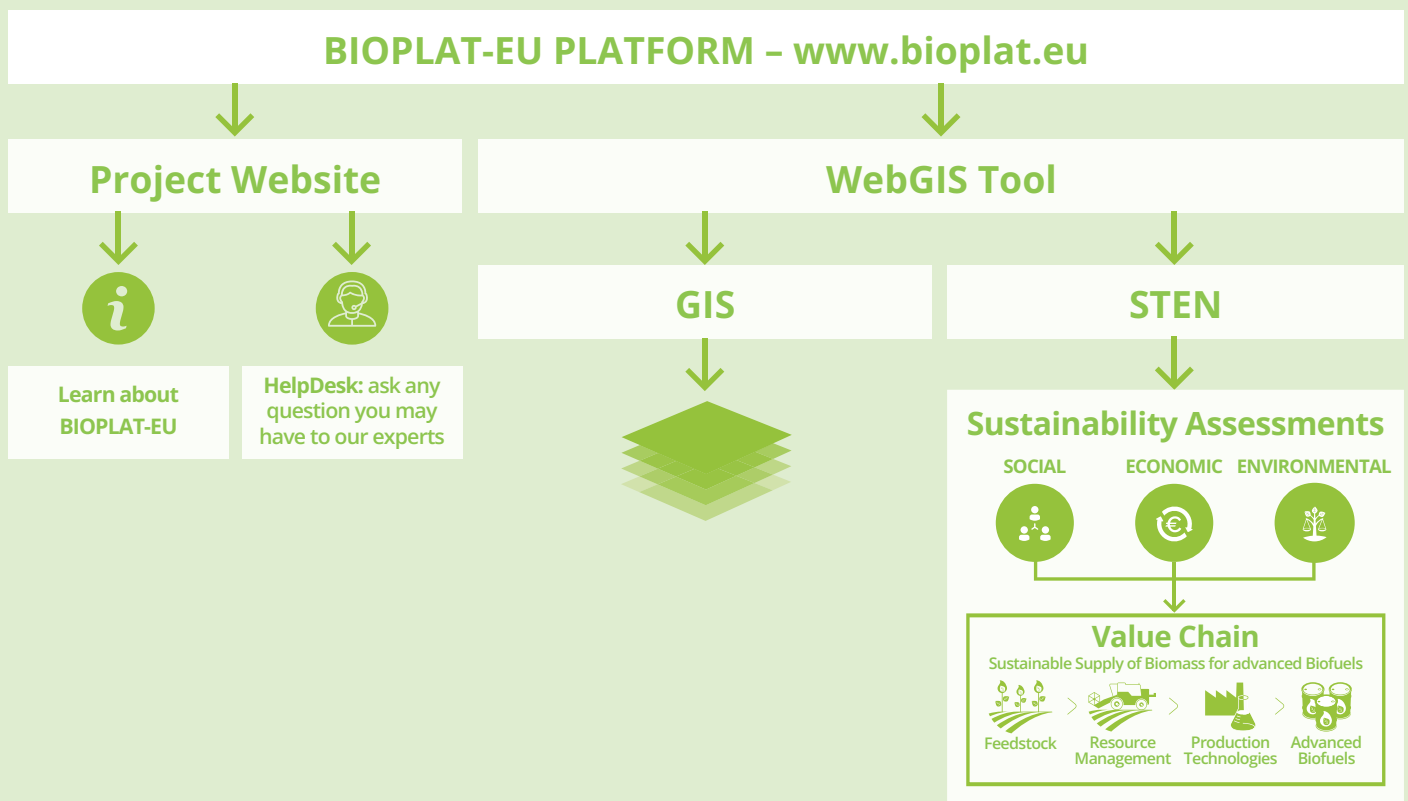


THE BIOPLAT-EU PLATFORM

Anyone can access the [WebGIS tool](#) that is placed on BIOPLAT-EU's website.

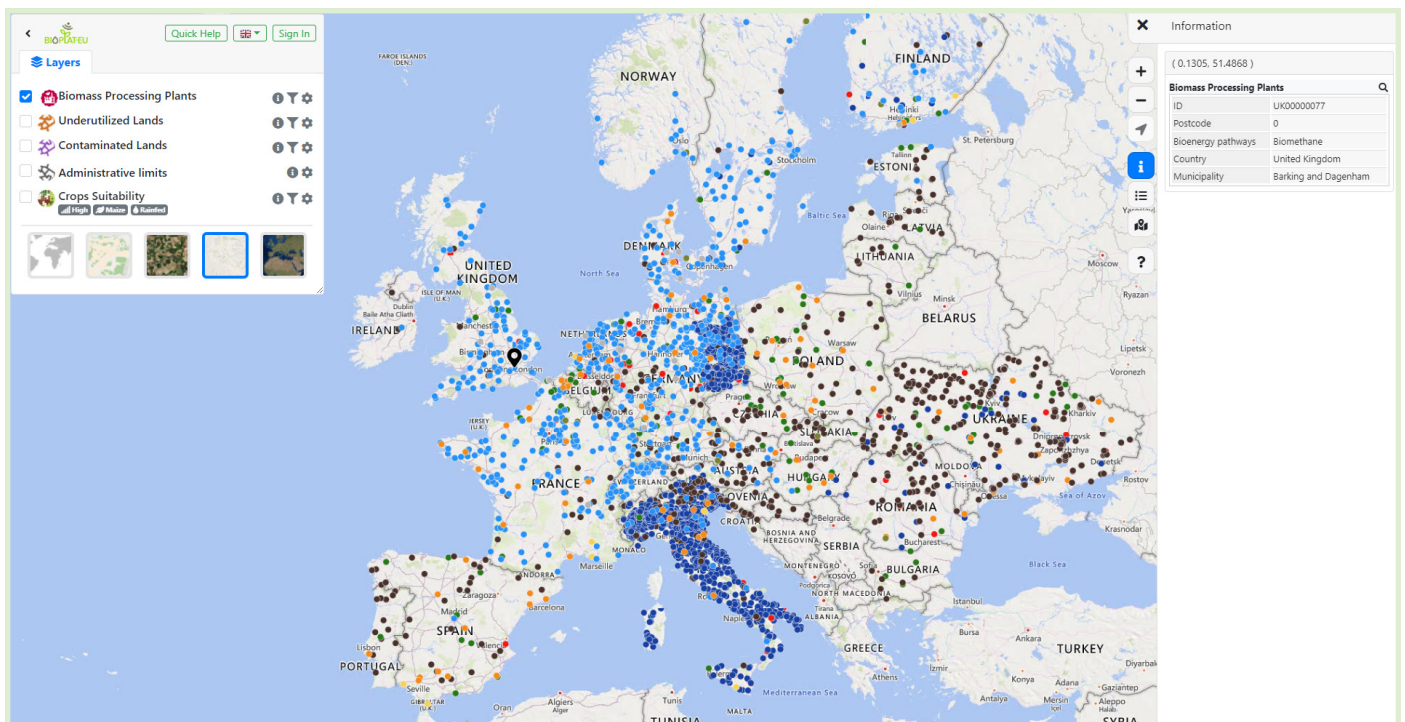
Thanks to a combination of Geographic Information System tools (GIS) and Sustainability Tool for Europe and Neighbouring Countries (STEN), BIOPLAT-EU can compile a geospatial database of MUC lands in Europe that have the potential for bioenergy feedstock production.

HOW THE PLATFORM WORKS



WHAT YOU SEE ON THE PLATFORM

Explore the specifications of the MUC land you have searched for and learn what type of biomass can be planted on them. A sustainability assessment is also available to help you make decisions on whether to proceed or not.





12 CASE STUDY REGIONS IN 6 EUROPEAN COUNTRIES

(Germany, Hungary, Italy, Romania, Spain, Ukraine)

The online platform was extensively tested and the fine-tuning process took into consideration the following aspects:

- User-friendliness
- The soundness of the reference values employed
- Accuracy of default information
- Evaluation of the learning curve of the first cohort of users
- Noting the characteristics of the simulations that will give input to the economic and financial assessments and bankability potential of each case study



STAKEHOLDER ENGAGEMENT

The tool is the outcome of several discussions, meetings, events and working groups with relevant stakeholders.

12

Stakeholder
Working Groups

+500

Discussions
Held

+200

Stakeholders
Involved



STRUCTURED FINANCIAL SUPPORT

We worked on providing support to increase the financial feasibility of (pilot) projects that will use the STEN tool for the development of bioenergy projects on MUC lands.

The main finding is that standardised business plans that focus on crowdfunding and financial modelling can increase the number of renewable energy projects in (emerging) markets. We applied the business plan to our case studies and we distinguished our key findings into categories concerning feasibility, business model, preparation format and case study.

Read the business guide [here](#).

Categorised feasibility	Category 1: Too optimistic	Category 2: feasible	Category 3: non-feasible but	Category 4: non-feasible
1st Route of Business Model	MUC Land + Bioenergy Investment Plant	MUC Land + Bioenergy Investment Plant	MUC Land + Bioenergy Investment Plant + Grant Route	MUC Land Feedstock Production only
Preparation Format	Format Crowdfunding / Commercial Banks	Format of Development Bank (EIB) / Crowdfunding	Format Grant Provider (e.g. Innovation Fund)	No Format or Format of Regional Farmer's Bank
Case Studies	Matera, Basilicata region, Italy (2)	<p>Spree-Neiße and Dahme-Spreewald, Germany (1) (2)</p> <p>Bacău County, Strugari and Blăgești</p> <p>AND</p> <p>Oltenia mining area, Gorj County, Pesteana quarry</p> <p>Romania (1) (2)</p>	<p>Bács-Kiskun and Csongrád county, Balaton Uplands region: Veszprém County and Fejér County, Hungary (1) (2)</p> <p>Sulcis, Italy (1)</p> <p>Khmelnitskyi and Ternopil and Kyiv and Chernihiv regions, Ukraine (1) (2)</p>	Albacete and Cuenca, Spain (1) (2)



ASSESSMENT OF MUC LANDS FOR OIL CROP PRODUCTION

The WebGIS tool can be used as a first step for the mapping of potential value chains and areas for oil crop production. Rapeseed and sunflower oil are the ones with the most potential in the pan-European assessment.



Learn more about our findings on
<https://bioplat.eu/>

Try out our WebGIS tool on
<https://bioplat.eu/webgis-tool>

Follow us on social media



BIOPLAT-EU PROJECT PARTNERS

