

RE-IMAGINING OUR REGIONAL BIOMASS



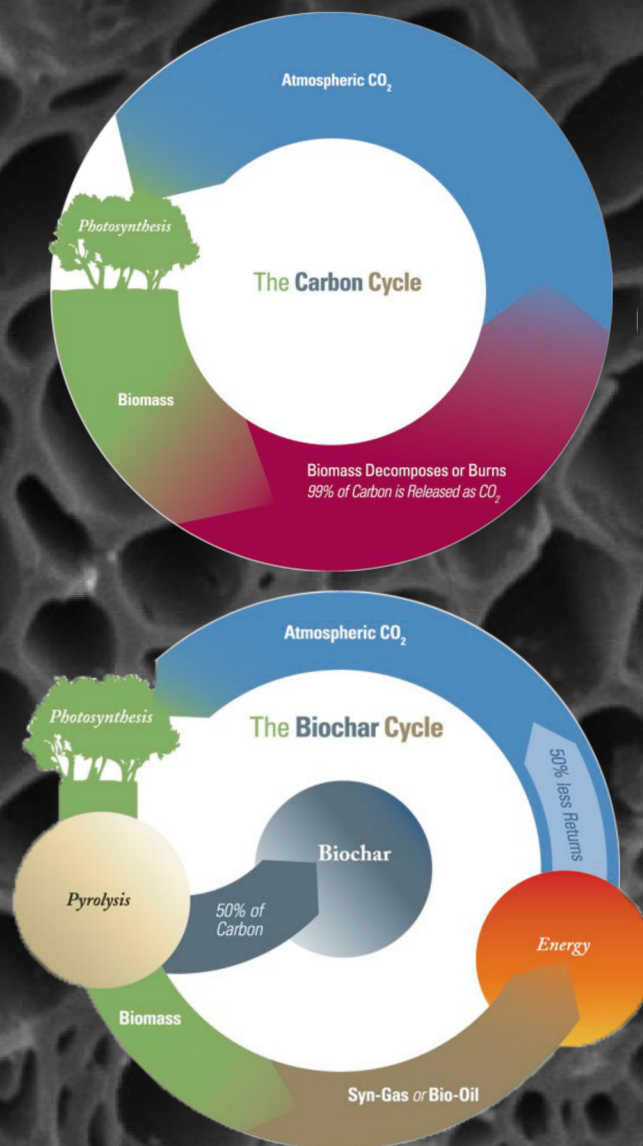
THE BIOMASS TO BIOCHAR FOR FARM
BIOECONOMY (BBFB) PROJECT IS A
EUROPEAN INNOVATION PARTNERSHIP
(EIP) FUNDED BY THE DEPARTMENT OF
AGRICULTURE, FOOD, AND THE MARINE
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DEVELOPMENT PROGRAMME
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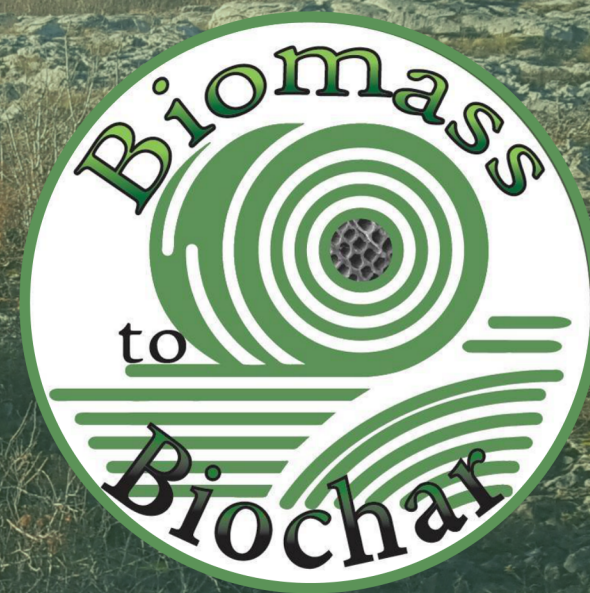
THE CARBON CYCLE VERSES THE BIOCHAR CYCLE



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EUROPEAN INNOVATION PARTNERSHIP (EIP) FUNDED PROJECT



BIOMASS TO BIOCHAR FOR FARM BIOECONOMY (BBFB)

The overall objective of this project has been to adopt a life cycle approach to current farm vegetative management practices by demonstrating the worth of unwanted biomass as a valuable resource for the local bioeconomy

WHAT IS BIOCHAR?

Biochar is a charcoal like substance made in a process called pyrolysis in which biomass such as Rushes is heated in a low oxygen environment between temperatures of 400 - 600°C

WHAT CAN IT DO FOR IRISH AGRICULTURE

- *Improve soil fertility*
- *Act as a liming agent*
- *Sequester carbon*
- *Reduces Nitrous oxide emissions from soils*
- *Reduce Methane emissions*

WHY NOW?

*Increased land abandonment
Land must be suitable for grazing to get basic farm payments, therefore must control rushes
Alternative to herbicide use
Reduction of Greenhouse Gases*

WHAT IS THE ALTERNATIVE?

Turn this utilised biomass (Rushes, baracken, Furze and Hazel) into Biochar

HOW?

Using a custom built Mobile pyrolysis unit(MPU)



WHAT THEN?

- *Apply back to land on farm.*
- *Apply to dung heap or slurry tank*
- *Add to animal feed eg silage or feed ration.*



HOW DO I FIND OUT MORE?

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