

## BEACON+

### Project Description

Led by Aberystwyth University's Institute of Biological, Environmental and Rural Science (IBERS), in collaboration with its partners at Bangor and Swansea Universities, the BEACON initiative integrates expertise and facilities to assist companies in developing new products and processes or to upgrade existing processes, using low carbon technologies including biomass where possible. Backed with £8 million from the European Regional Development Fund (ERDF), BEACON aims to establish Wales as a Biorefining Centre of Excellence and make a vital contribution to mitigating climate change and growing the Welsh bioeconomy.

Since July 2019, an additional £440,000 EU funds has expanded the BEACON project across all Wales, tackling specific local challenges, while connecting new partners and making full use of region-specific natural resources.

### Delivery Model

The main aim of BEACON is to use the concept of biorefining to work with end user companies, in order to identify a wide range of products from plant material which are tailored to their requirements.

BEACON offers businesses with interests in the biorefining sector access to the research, expertise and knowledge base of universities in Wales. BEACON aims to contribute to

developing renewable energy and assist in the transition to a low carbon economy with an overall objective of mitigating the impact of climate change, and focuses on the development of a viable Welsh bio-economy through the expansion of green supply chains.

### Geographical Coverage

The project will benefit local authorities across the whole of Wales.

### Contact Details

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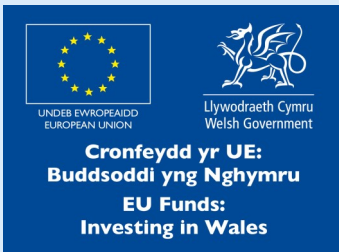
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🌐 <http://beaconwales.org/>

🐦 [@beaconwales](https://twitter.com/beaconwales)

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### Disgrifiad o'r Prosiect

Arweinir menter BEACON gan Athrofa Gwyddorau Biolegol, Amgylcheddol a Gwledig (IBERS) Prifysgol Aberystwyth, mewn partneriaeth â Phrifysgolion Bangor ac Abertawe. Mae'n dod ag arbenigedd a chyfleusterau at ei gilydd i gynorthwyo cwmnïau i ddatblygu cynhyrchion a phrosesau newydd neu i uwchraddio prosesau sydd eisoes yn bodoli, gan ddefnyddio technolegau carbon isel gan gynnwys biomas pan fo modd. Gyda chefnogaeth £8 miliwn o Gronfa Datblygu Rhanbarthol Ewrop (ERDF), nod BEACON yw sefydlu Cymru yn Ganolfan Ragoriaeth Bioburo a gwneud cyfraniadau hollbwysig at leihau newid yn yr hinsawdd a thyfu bioeconomi Cymru.

Ers mis Gorffennaf 2019, mae swm ychwanegol o £440,000 o gyllid yr UE wedi ehangu prosiect BEACON ledled Cymru, gan fynd i'r afael â heriau lleol penodol a chysylltu partneriaid newydd a gwneud defnydd llawn o adnoddau naturiol penodol i ranbarth.

### Model Cyflawni

Prif nod BEACON yw defnyddio'r cysyniad o bioburo i weithio gyda chwmnïau a fyddai'n defnyddio'r broses i nodi ystod eang o gynhyrchion gan ddeunydd planhigion sydd wedi eu teilwra i'w gofynion.

Mae BEACON yn cynnig i fusnesau sydd â diddordeb yn y sector bioburo fynediad at y gwaith ymchwil, yr arbenigedd a'r gronfa wybodaeth sydd gan brifysgolion yng Nghymru. Nod BEACON yw cyfrannu at ddatblygiad ynni

adnewyddadwy a bod o gymorth i symud tuag at economi carbon isel a'r amcan cyffredinol o leihau effaith newid hinsawdd, ac mae'n canolbwyntio ar ddatblygu bioeconomi Cymru ddichonadwy drwy ehangu cadwyni cyflenwi gwyrdd.

### Cwmpas Daeryddol

Bydd y prosiect o fudd i awdurdodau lleol ledled Cymru gyfan.

### Manylion Cyswllt

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