

Project summary

A house made from road side grass fibres
Sustainable, cheap energy generated from road side grass
More sustainable and cheaper road side management

...Science fiction, a pipe dream or reality?

Within the EU funded 2Seas GRASSIFICATION project, research institutes, land managers and industrial partners examine possibilities to create economically viable business cases for these and other applications. Over a period of 3 years, 23 partners (observer partners included) from the UK, the Netherlands, France and Belgium will examine and valorise the complete value chain from roadside management to end product via a multi-dimensional approach. This research will initiate a new bio based circular economy based upon road side grass clippings.

At Canterbury Christ Church University, Dr Naomi Rintoul (Senior Lecturer) and Hannah Scott (Postdoctoral Research Fellow) are conducting research on Kent Wildlife Trust's Roadside Nature Reserve sites. They aim to determine the degree of heavy metal contamination in soils and grass clippings and the plant biodiversity at the site. They will also investigate whether the grass clippings could be used as a good quality feed for livestock. They will also run a series of experiments (in collaboration with Ghent University) to determine whether a pressed liquid from grass clippings could be used as a biological fertilizer. Using this information, the project will report on the ecosystem services that the reserves provide and the opportunities that these grass clippings present.

Duration

This project will run from 01/03/2018 to 28/02/2021

Budget

The total budget is €4.4 million (€2.5 million EU funding), with Canterbury Christ Church University receiving €

Partnership

- Canterbury Christ Church University (UK)
- Kent Wildlife Trust (UK)
- Ghent University, Faculty of Bioscience Engineering, Department of Green Chemistry and Technology (Project leader, BE)
- Province of West Flanders (BE)
- Inagro (BE)
- Pro Natura (BE)
- Vanheede Landfill Solutions NV (BE)
- Innec CVBA (BE)
- VITO (BE)
- Delphy BV (NL)
- Millvision (NL)

- Avans University (NL)

Contact details

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