Interreg

EUROPEAN UNION

2 Seas Mers Zeeën

Horti-BlueC

European Regional Development Fund

Circular Economy

Horti-BlueC will develop solutions for sustainable growing media in greenhouse horticulture. We will explore potential for up-cycling shellfish waste, green waste, and CO_2 emissions. The new materials will contribute to the circular economy in the 2 Seas region.

Project partners:

ADAS · CAT Engineering · Agaris · ILVO · Proefcentrum Hoogstraten · Provincie Noord-Holland · NIAB EMR · Université de Lille · University of Portsmouth · Provincie Oost-Vlaanderen · Provincie Antwerpen · ECN TNO innovation for life

www.horti-bluec.eu

Sustainable upcycling of agro-, agrofood and fisheries residues in horticulture and agriculture as bioenergy, biochar and chitin-rich products.

Horti-BlueC aims to create a 'sustainable greenhouse' for the commercial cultivation of strawberries and tomatoes in the 2 Seas region. This will involve the up-cycling of byproducts from current practices. Spent media will be heat-treated to produce biochar for reuse in growing media. The CO_2 from the heat treatment will be recycled into the greenhouse as a plant fertiliser. Horti-BlueC will investigate the use of chitin from shellfish waste to improve the yield and health of fruit crops. Horti-BlueC aims at decreasing in the use of chemical crop protection and fertilizers, reduce CO_2 emissions and provide new circular economy solutions in the 2 Seas area.

This project has received funding from the Interreg 2 Seas programme co-funded by the European Regional Development Fund. Both the Province of Antwerp and the Province of East-Flanders are co-funding ILVO and Proefcentrum Hoogstraten for this project.

Keep up with the latest Horti-BlueC news via our social media and Youtube pages.

Read our first Horti-BlueC publication in **Nature Scientific Reports** on the mode of action of chitin in growing media at the link: rdcu.be/bJo7W

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Contact us:
horticulture_harold
@HBluec
www.horti-bluec.eu
Horti-BlueC