

JOIN THE BIOBASED INNOVATION STUDENT CHALLENGE EUROPE



Do you want to design a creative bio-based solution in a multidisciplinary student team? The Bio-based Innovation Student Challenge Europe (BISC-E) encourages students to explore the emerging bio-based work field while developing a new bio-based product or process. Are you up or the challenge? Register now!

2020

THE CHALLENGE

All teams develop a bio-based innovation (product or process) and present their ideas to a jury of experts from industry and science. The presentation has to be accompanied by a few supporting documents explaining sustainability, technical feasibility and economic viability of your innovation.

FOR WHO?

The challenge is open for 4th year students of university of applied sciences and university students (BSc and MSc). Due to the multidisciplinary character of the challenge it is recommended to embody multiple disciplines in your team, of which exact science should be one. Team members can come from different institutions.

EVERYBODY WINS!

Participating in BISC-E will give you valuable experience in the emerging bio-based work field, in developing a new product or process with all its aspects and in presenting innovative ideas for a panel of experts. On top of that there are great prizes to be won:

First prize € 1000
Second prize € 500
Third prize € 250

28 March 2020
15 April 2020
5 June 2020

19 June 2020
Autumn 2020

Registration deadline
Kick-off with all participants
Submission of presentation and supporting documents
Presentation and Dutch final
EU final (location to be decided by Biobased Industry Consortium)

You can find more info on www.bisc-e.eu.

THE COMPETITION

Last year, BIC hosted the European BISC-E final at its annual gathering of top bio-based industry experts in Berlin, Germany, where winners from five national contests competed.

BELGIUM TEAM SAUVEUR

The Belgium team Sauveur aims to prevent food waste by connecting supply and demand. They produce fruit syrup (cordial) based on food waste. The value chain and consumer marketing were very well thought out. The team had calculated the CO²-savings and the profitability.



FINNISH TEAM BARK UNION

The Finnish team Bark union presented a full biorefinery for bark. Bark is now often burned or wasted. The team described the resourcing, biorefinery and marketing in detail and for different product families, biocascading at its best.



DANISH TEAM BIODRAUGHT

The Danish team Biodraught presented a biochar based paint which can be used with crop plants for weed control and to improve soil quality. The principle is not new, but nevertheless promising. The hurdle is to keep the paint on the crop for a longer period. With a business plan worked out, the team will now focus on field trials and binding.

WHAT HAPPENED AT THE EUROPEAN FINAL LAST YEAR?

PORTUGUESE TEAM SCIALGAE

The starting point for the Portuguese team SciAlgae is invasive algae, in view of the waste problem they cause on Portuguese beaches. The team saw opportunities to produce an anticellulite cream, based on the algae. The team is going to patent their formulation and further develop for the Portuguese market.

DUTCH TEAM BIOSILENCE

The Dutch team Biosilence had devised a procedure which converted manure into soundproofing panels, with the bonus of reducing the need for mineral wool and replacing it with a major agricultural waste flow. The team showed that the production costs versus silence reduction showed great potential for bio-X.



The jury decided on a top-3 consisting of the Finnish, Dutch and Belgium teams, these teams then pitched before the 70 BIC-members. Following a vote by BIC's industry members, it was team Sauveur from Belgium which came out on top with their innovative solution to reduce food waste. The Biosilence team from the Netherlands were runners-up and Bark Union from Finland finished third.