WASTE-to-VALUE food innovation

Aarhus University and Embrapa Brazil join research forces

When you hear Brazil, you might think of the rainforest, soy bean production, or coconut palm at the beach. That is also what the four AU researchers who visited Rio de Janeiro in November talked about with their colleagues from Embrapa, the Brazilian Agricultural Research Corporation. However, maybe from a different perspective than you have in mind right now.

The biodiversity of the Amazonian rainforest produces many fruits, and many of these are only used partly and locally. However, they have ingredients and characteristics that make

them very interesting for new food innovations of export quality as well. In the best of cases, this can support a sustainable management of the diverse natural resources. Soy bean production is under criticism in

> Europe in its role as coconu import feed for produclivestock producinto val tion, and some into ne consumers seek sorbet. alternatives for soy due to concerns about Ulla Kia GMO use or Marija allergies. project However, able fo soy protein at the I

is also an efficient crop and nutritionally favourable protein source. Coconut water has become fashionable as a drink in Denmark, and it is even more common in Brazil, where one can also drink out of green coconuts freshly cut at the beach kiosk. When manufacturing bottled coconut water, the coconut is a waste product. However, this waste can be made into value by processing the coconut flesh into new foods, as for example a coconut sorbet.

soy due to concerns about GMO use or allergies. However, soy protein GMO use or allergies. However, soy protein GMO use or allergies. However, soy protein Consists of a close collaboration of the MAPP Centre and AU FOOD researchers under the umbrella of iFOOD (Interdisciplinary Centre for Innovative Food Research). It is funded by the Danish Agency for Science and Higher Education as an International Network Programme project, running from 2019-2020, and consists of a partnership between Aarhus University and Embrapa - Agroindústria de Alimentos (Embrapa Food Agroindustry) in Rio de Janeiro/RJ, Brazil.

The bi-national collaboration aims to contribute to achieving the UN sustainable development goals through an improvement of technologies and a 'greening' and circularisation of systems, reducing agricultural emissions. It focuses on a sustainable, circular bio-economy by employing waste-to-value ideas to the food chain – in particular using by-products and alternative proteins (mainly plant-based) – resulting in high quality, consumer-targeted and accepted foods that contribute to scaling up sustainable dietary transition in global food demand.

Further information: https://mgmt.au.dk/ research/marketing/mapp/projects/ waste-to-value/