

Sweet future



1. General information



Do you care about the environment?

5. Pros and cons



2. Sweet Future



3. Our recipes



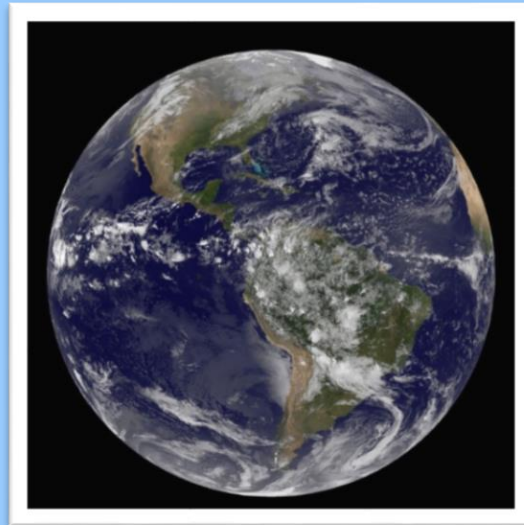
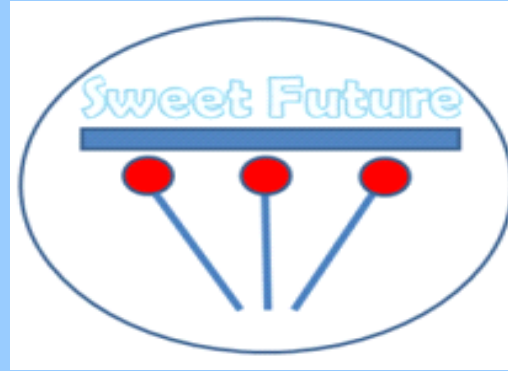
4. Production

General information

- Bioplastics are plastics derived from renewable biomass sources such as vegetable fats and oils.

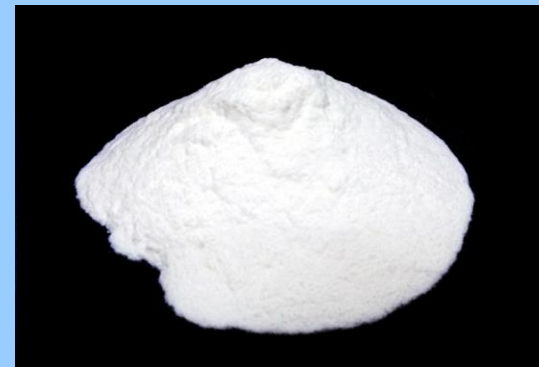


Sweet Future



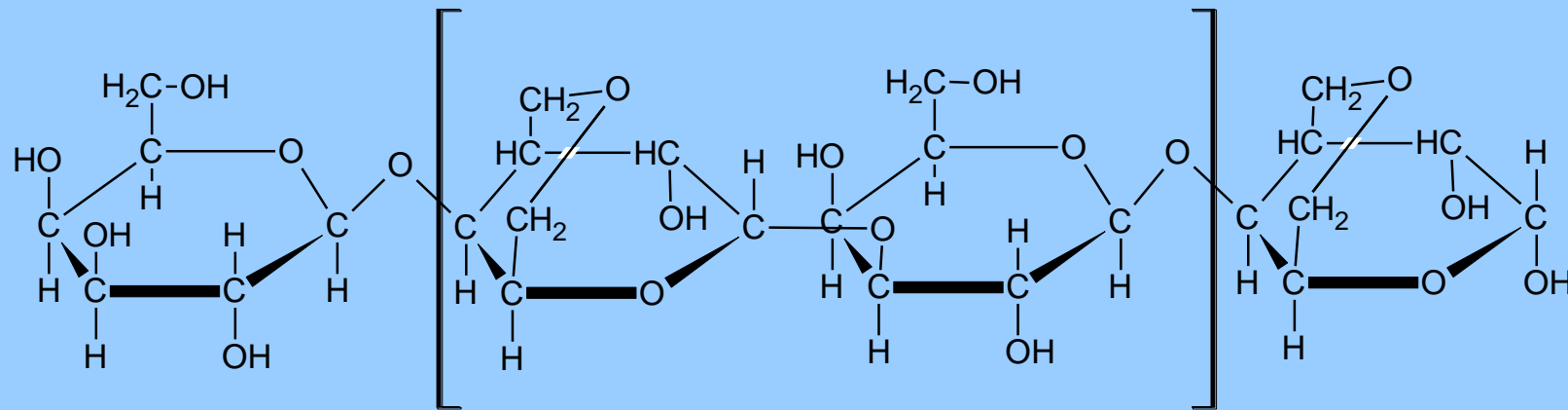
Our recipe

- 3g Agar Agar
- 120 ml of 1% glycerin solution
- 90 ml water
- 2 tsp. starch
- 1 tsp. hydroxyethylcellulose



Our recipe

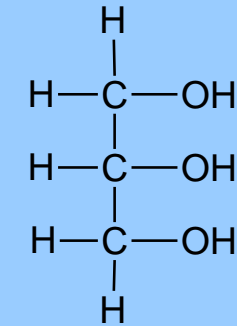
- 3g Agar Agar



β -(1,4)-(3,6)-Anhydro-L-Galactose α -(1,3)-D-Galactose

Our recipe

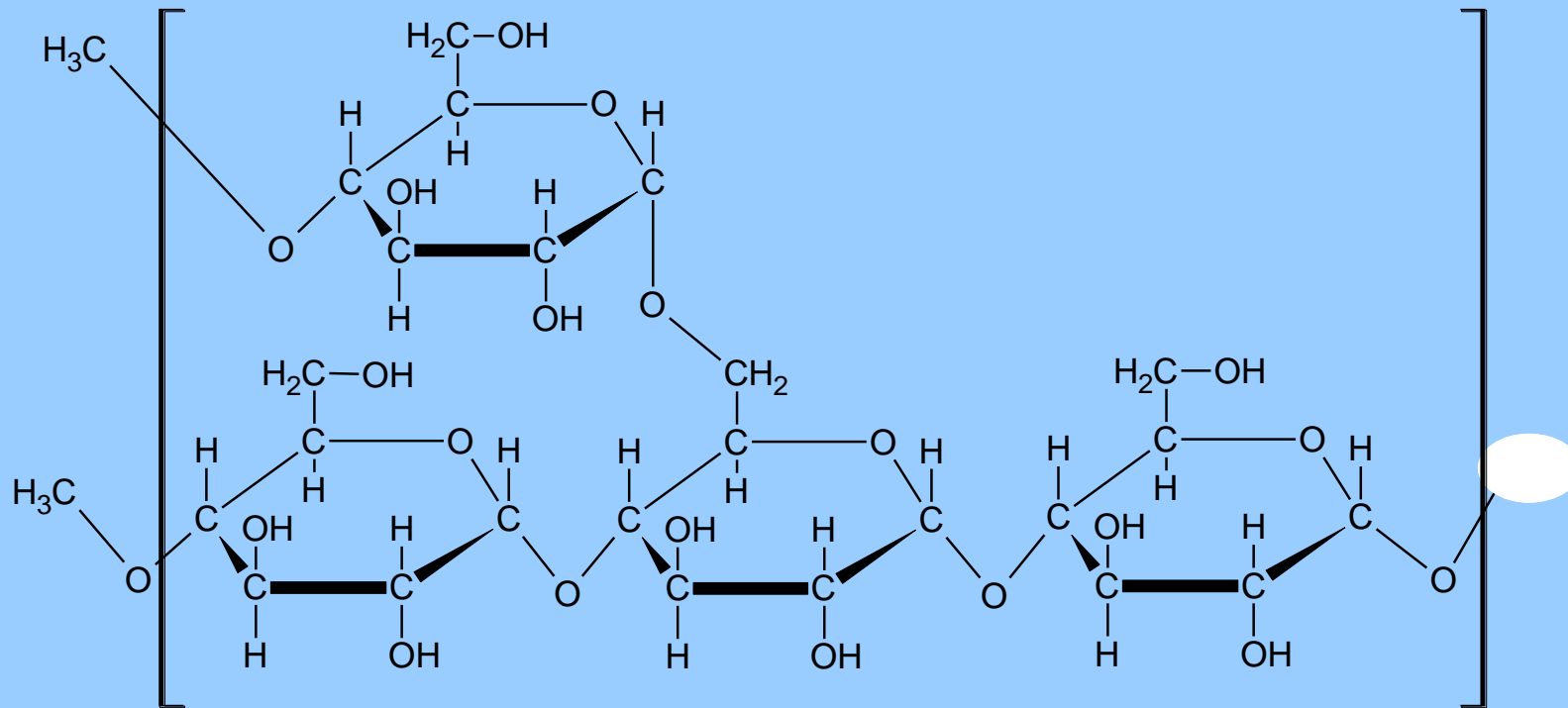
- 3g Agar Agar
- 120 ml and 1% Glycerin solution



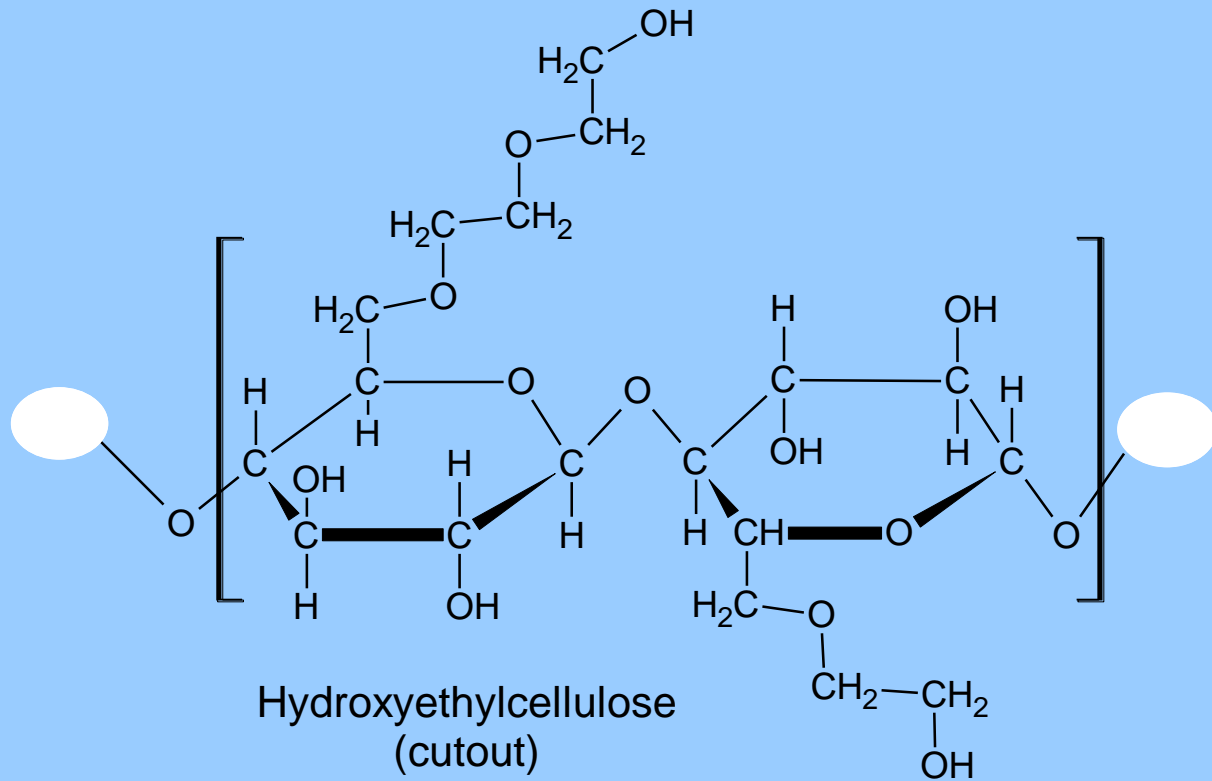
Glycerol
(Propan-1,2,3-triol)

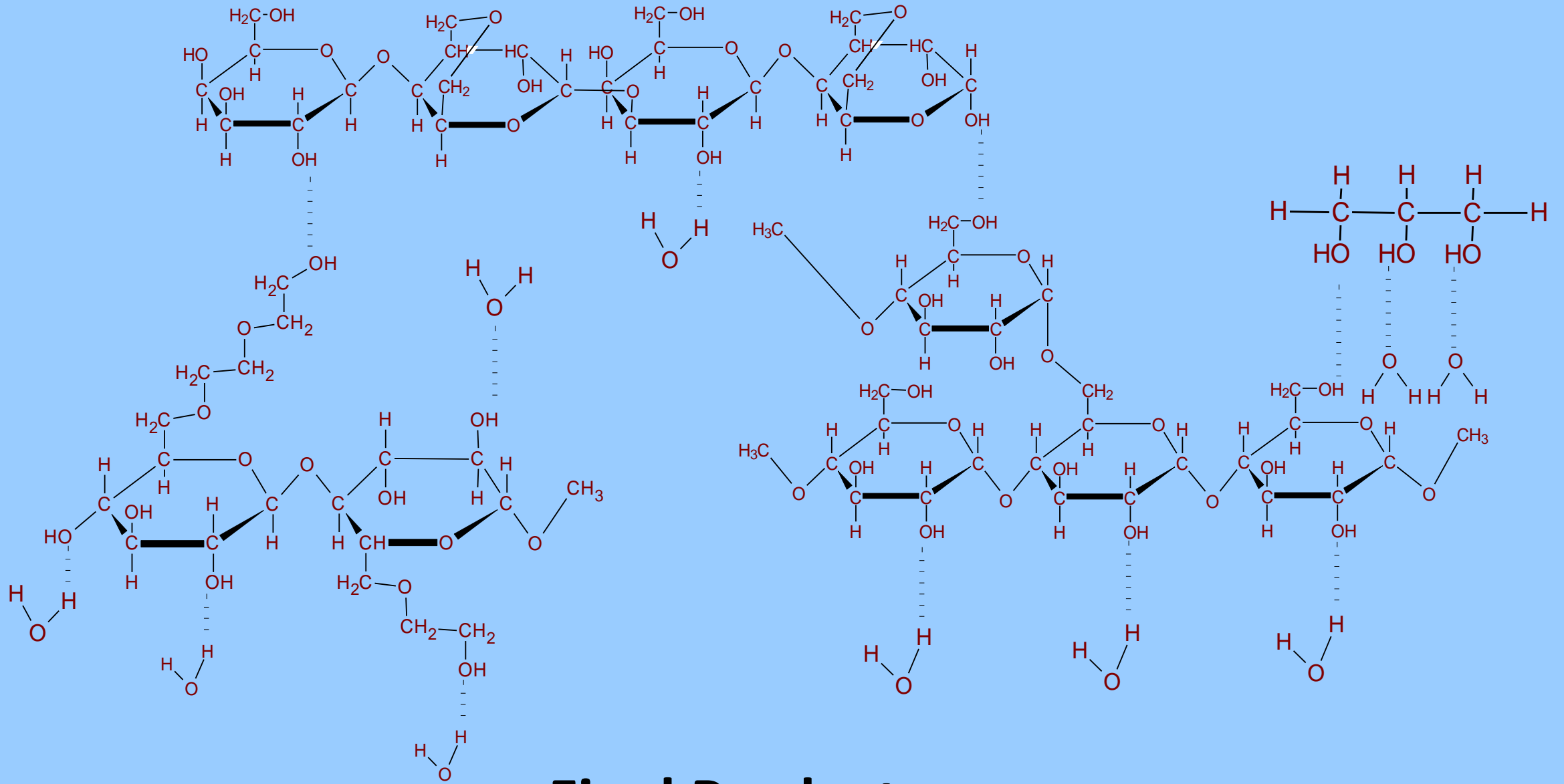
Starch

Amylopectin (cutout)



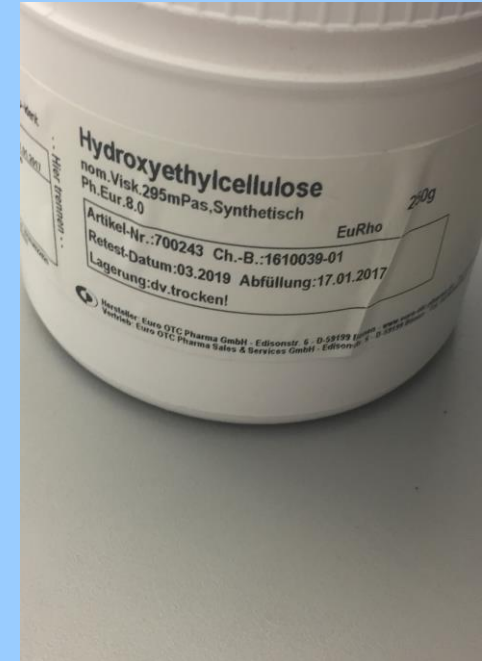
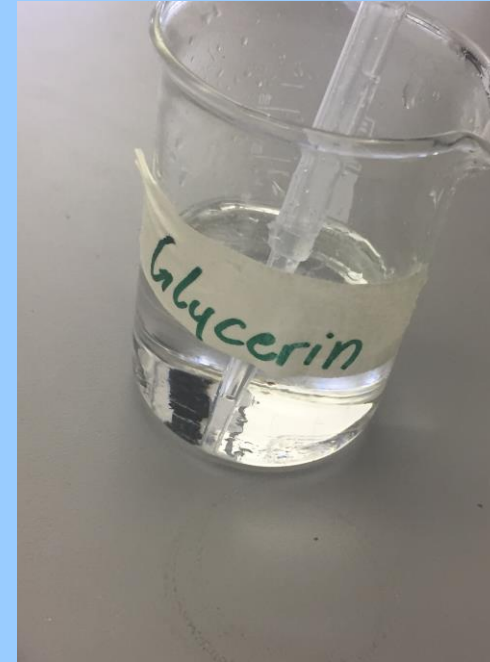
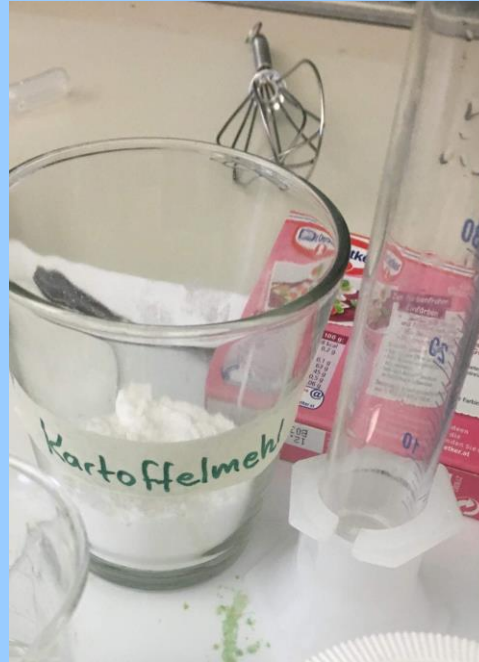
Hydroxyethylcellulose

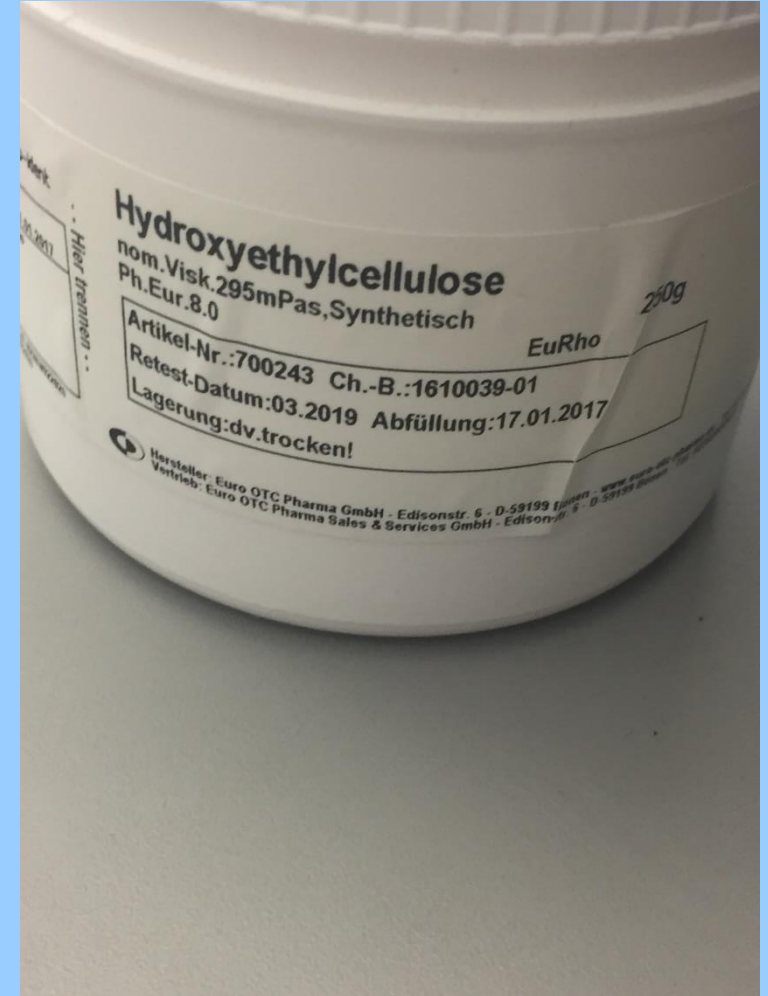
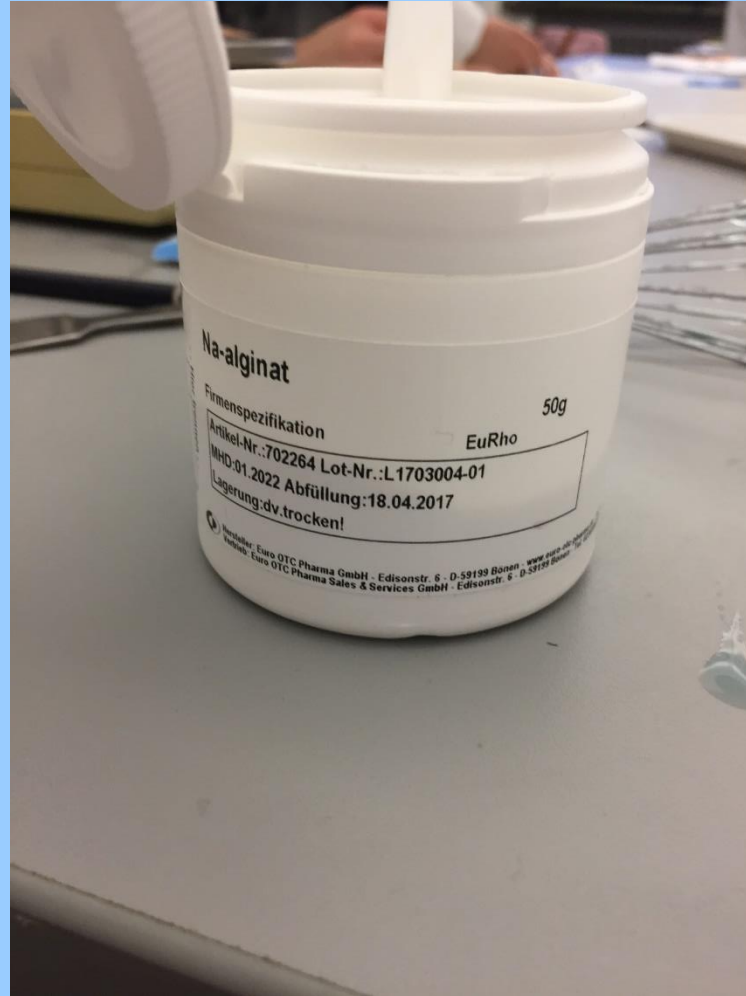
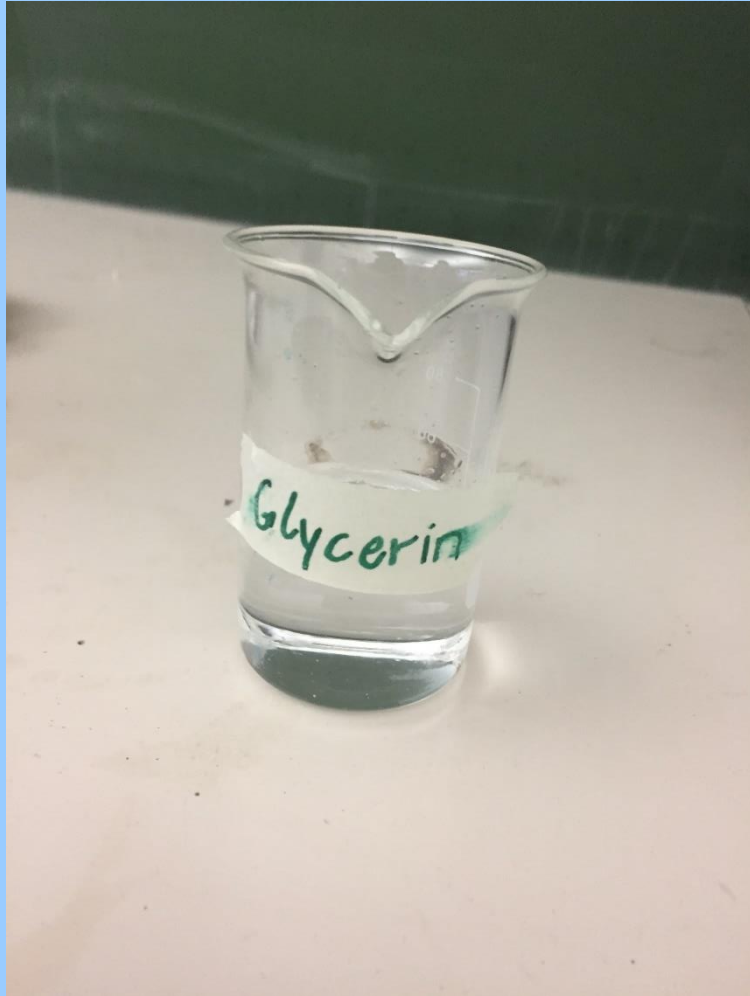




Final Product

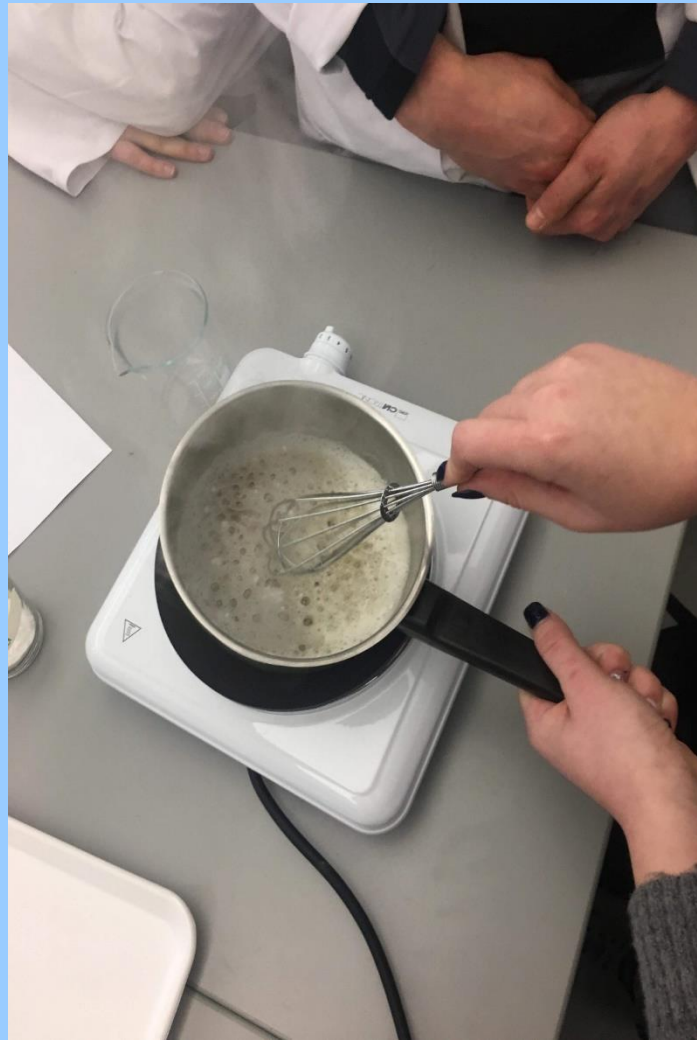
The Production







27.06.2018



Troy,Robin,Stelios,Katerina,Iliuiana,Jennifer,Kora



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Pros and Cons of Sweeter Future

Pros	Cons
Due to the increase in oil price, bioplastic is a cheaper alternative to plastic.	Eutrophication is caused by growing vegetables and plants when using fertilisers.
Bioplastics produce less toxic waste than regular plastic made from oil based products	It takes 0.8 tonnes of CO2 to create bioplastic.
Oil based products use fossil fuels, and our product doesn't.	Land is required to make bioplastic ingredients.
The resources used to create our bioplastic packaging are renewable.	Resources could be used to help food crisis instead of using resources to make plastic.
Valuable raw material can be recycled or reclaimed into other products.	Some areas do not have devices to filter recyclable products from normal waste, meaning products can simply end up in landfill.
It takes 3.2 less tonnes of CO2 to produce bioplastic than oil based plastic.	Area may not be set up to benefit from using bioplastic.

GROUP 1

Sweet future

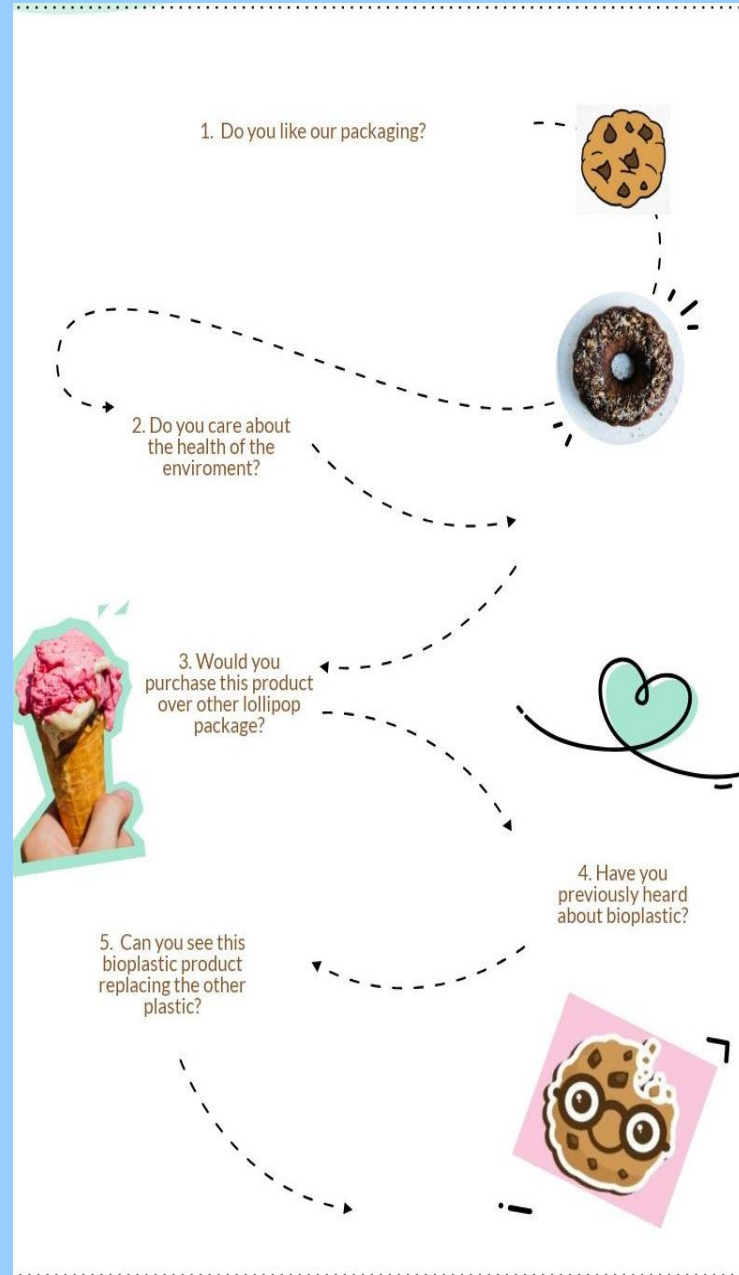
Market research

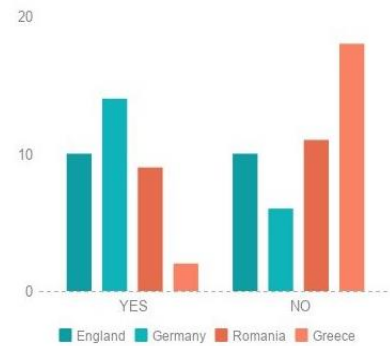
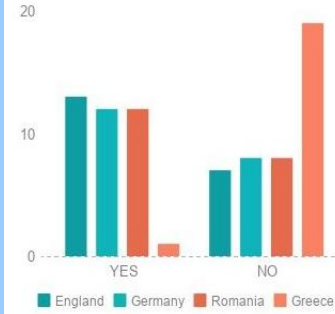
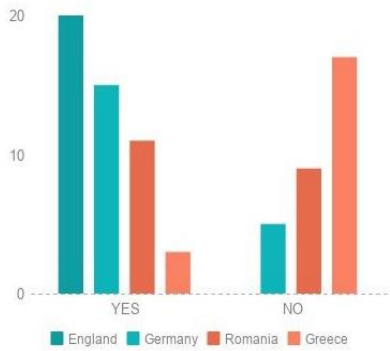
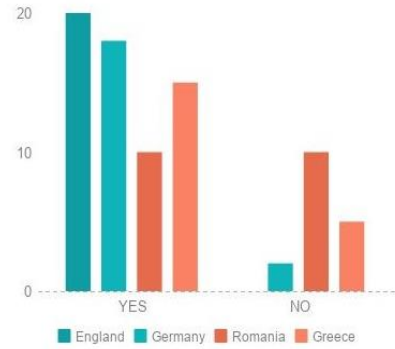


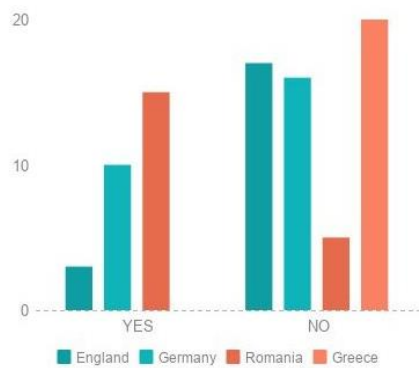
Group members:
Irinia Eliza
Ouatu Jennifer
Enache Andi
Grigoric Teona
Koutsogiannaki
Margarita
Manoliu Miruna
Burduja Antonia
Ciocărlan Iuliana



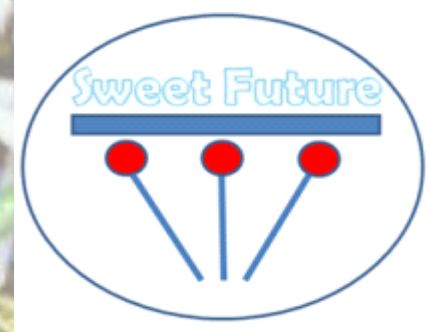
QUESTIONS







Final Product.



27.06.2018

Troy, Robin, Stelios, Kai

Thank you for caring about a sweet future



27.06.2016

Troy, Robin, Stelios, Katerina

