

Vegetable Community

ITD 2022 Wednesday, 22nd of June, 2022



What If Your Vegetables Can Talk?

Let's switch the role in the Humans-Plants relation.
Vegetables don't need us. They can take care of themselves in nature, we just don't always realize it.

Why?

Every day, too much food is wasted, and this tendency will worsen by 2030 if nothing is done to stop it now. Furthermore, Vegetables are the most wasted food in the world.

However, people often are not aware of the consequences on wasting too much food. Wasting food also means wasting energy. Namely the energy to transport, package and cool the vegetables. In the current situation this is already a problem. But in 2030 this will even be more of a problem with the rising temperature of the earth and the climate problems we are experiencing.

Why people can hardly be aware of this problem? One of the reasons is they just ignore vegetables, they don't realize that vegetables can have feelings, can communicate, and be alive. That is the aim of our project: amplify vegetables' voices.

What?

The aim of this project is to amplify vegetables voices and give show in a different way how they could express their feelings.

This is to be achieved by switching the relationship and making the human the servant of the vegetables and not the other way around anymore.

The lights with different colors and the sounds on the capsules will express the emotion of the vegetables and the status of their communication.

Humans will learn how to understand the "vegetable language", they will be able to amplify the plant's voice but not all the communications will be understandable for people, some sounds will only be plant to plant "private communication", because the communication is not all about human.

How?

The project uses artificial intelligence to capture the vegetables needs and amplify their voice to make it understandable for humans in order to make them more conscious about their needs.

On the side of the capsule the lights dots will glow up and show the status of the plant. The visibility of the light is possible thanks to the fiber optic which is connected to a led ring placed below the bottom of the capsule. This led ring is controlled by an arduino.

The vegetables are free to communicate with each other with non human sounds. Once the user feels the need to understand what is going on inside the plant, it will be enough to place the megaphone close to the selected capsule. A magnet on the base of the capsule will trigger the megaphone that will translate the vegetable voice in human language.