Gulbanu Khojanova
Student, Nukus

HYDROPONICS

ABOUT THE PROJECT: Intelligent hydroponics modular system controlled by Arduino.

THE PLATFORM CONSISTS OF 3 PARTS:

- Modular design: PVC and aluminum frame to support the entire hydroponic system (with water pump, lighting and nutrient feeder)
- Electronic circuit: the main control of the digital "brain" of the system. The device is connected via Wi-Fi to the server and the data can be visualized on the Android device.
- Sensors: to measure and control all system data and parameters (temperature and humidity, water temperature, pH, electrical conductivity, time)

The team made it to the final of the project "100 ideas for Uzbekistan"

CONTACTS: (+998) 90 709-25-45

Juldiz Abatbayeva
Entrepreneur, Nukus

ECO HOSTEL IN NUKUS

ABOUT THE PROJECT: Eco-hostel for tourists who prefer affordable and environment-friendly accommodation.

ADVANTAGES OF AN ECO-HOSTEL:

- "no plastic" policy
- effective water and electricity consumption
- developing eco-habits among guests and staff
- vegan cuisine
- natural materials

SERVICES: beds in a shared room and private rooms.

The location of the hostel is next to the Savitsky Museum of Art.

PROJECT ESTIMATE: 400,000 thousand soums for 2 years

CONTACTS: (+998) 97 353-31-33

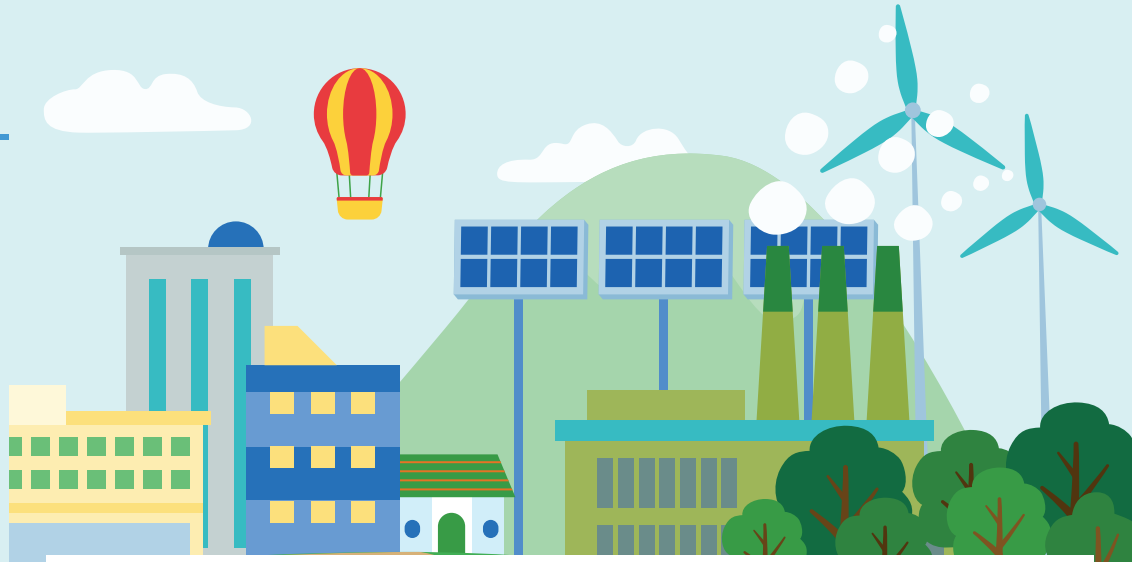
ACCELERATING WOMEN'S GREEN TECH STARTUPS IN UZBEKISTAN

tech4impact

UNDEF FNUD

Demo Day of the program

ACCELERATING WOMEN'S CLIMATE-CHANGE TECH STARTUPS IN UZBEKISTAN



The project, implemented in 2021-2023, proposes to use **technological and entrepreneurial capacity building activities** to help women in the Karakalpakstan region of Uzbekistan become agents of development and change, as well as to increase their economic participation by establishing businesses to address the social and economic issues related to climate change.

www.data.accelerator.uz

Ainura Iniyatova
School teacher,
Muynak

MUYNAK BIOHUMUS

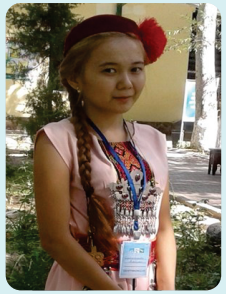
ABOUT THE PROJECT: 5Biohumus is an organic fertilizer obtained from California red worms.

It is used for greenhouse farms, when planting, feeding all types of crops, in floriculture, when planting lawns, as well as in resuscitation and reclamation of soils.

There is a need for such bio-fertilizers in Muynak, but there are no local biohumus producers.

PROJECT PLANS: to establish the production and supply of biohumus to farms, greenhouses, residents of Muynak, as well as to test the effectiveness for planting trees on the bottom of the Aral Sea.

CONTACTS: (+998) 93 202-15-27



Albina Sarsengalieva
Craftswoman,
Kungrad

ALBINA ART

ABOUT THE PROJECT: Manufacture and sale of souvenirs in national style made from natural wool.

The aim of the project is to recycle wool and contribute to the environment.

In the Kungrad region, wool is not processed due to the lack of equipment. Everything is thrown into the garbage (0.5 tons per season, 2 times a year). As a result, groundwater is polluted and emissions into the atmosphere increase.

PRODUCTS (with national ornaments of Karakalpakstan):

- Wallets
- Rugs
- Carpets, etc.

PROJECT PLANS:

- Opening of a personal branded workshop
- Increase number of jobs for women
- Organize personal exhibition

CONTACTS: (+998) 91 267-12-43

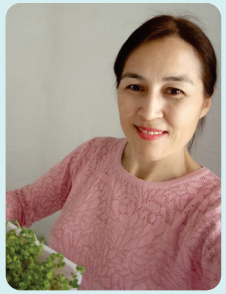
Aisulu Khalmuratova
Student, Nukus

ECO-BRIQUETTES

ABOUT THE PROJECT: production and sale of eco-briquettes made from sawdust. The briquettes are planned to be sold as fuel (for bonfires, stoves, barbecues and for tourists who go on hiking and camping).

Briquettes are made from woodworking waste, from small branches, chips and sawdust. Such fuel briquettes are an environmentally friendly product made from natural materials, which guarantees the absence of chemicals and harmful substances in the composition of the briquette. The project also helps to recycle waste.

CONTACTS: (+998) 90 591-05-15



Gulzarkhan Toreniyazova
Agricultural
engineer, Nukus

"MICROGREENS"

ABOUT THE PROJECT: Growing and selling microgreens.

Microgreens are nutrient-rich "mini versions" of mature plants.

The method of growing such plants is without soil, without chemicals and fertilizers. Microgreens contain up to 10 times more useful elements than fully formed plants of the same crops.

For the production of 10 kg of microgreens, about 10 liters of water are consumed, and for the cultivation of 10 kg of greens on open ground, more than 500 liters of water are needed.

PRODUCTS:

- Boxes with microgreens (10 types of crops)
- Microgreen growing kits

PROJECT ESTIMAT: 196,050 thousand soums for 2 years

CONTACTS: (+998) 97 500-41-12