



Global FEWture Alliance

Worldwide, 1.2 billion people face hunger, 1 billion lack electricity and 2.2 billion lack safe water.

The University of Maryland-based Global FEWture Alliance works to turn the tide by addressing food, energy and water (FEW) challenges in partnership with local universities, communities and governments around the globe.

Together with our partners, we advance access to nutritious food, renewable energy and clean and abundant water. Our unique, holistic, three-pronged approach includes:

- **Research-to-action:** We engage in FEW systems-based, interdisciplinary research that translates directly into improved health and better nutrition.
- **Community-driven capacity building:** We co-design capacity-building approaches that result in networks of trained professionals with knowledge of FEW solutions.
- **Experiential education:** We train undergraduate and graduate students in interdisciplinary research and team science and expand their cultural humility through immersive experiences both abroad and at home.

BY THE NUMBERS



275+

STUDENTS ENGAGED IN
THE FIRST 2 YEARS



122

FACULTY FROM 7
SCHOOLS & COLLEGES



15

PROJECTS IN 4
COUNTRIES



7,000+

COMMUNITY MEMBERS
IMPACTED IN THE FIRST 2
YEARS

MAJOR PARTNER ORGANIZATIONS

**Arava Institute for Environmental
Studies (Israel)**

CultivAid (Israel and Tanzania)

Kathmandu University (Nepal)

**Mbeya University of Science and
Technology (Tanzania)**

**Sanskriti Farms and Research
Center (Nepal)**



AROUND THE WORLD



Our efforts catalyze cross-sector partnerships as we build a climate-resilient future. We operate in four regions, ensuring that our collaborators around the world are equal and reciprocal partners every step of the way. Example projects include:

➤ Israel

We developed an “Off-Grid Hub” in partnership with the Al-Furaa Regional School in a Bedouin Community outside of Be'er Sheva. The hub hosts innovative technologies that provide new sources of food, renewable energy and safe drinking water.

➤ Tanzania

We established six new demonstration sites across key grape-growing areas, directly impacting more than 1,000 farmers and increasing wine grape yields four-fold.

➤ Maryland

We redesigned an urban rainwater harvesting system in partnership with Plantation Park Heights Urban Farm in Baltimore, Maryland. The system provides a steady supply of irrigation water to grow food crops and help alleviate food insecurity.

➤ Nepal

We implemented an off-grid wastewater treatment solution in partnership with the Shree Janak Secondary School in Namobuddha. The system generates clean irrigation water to grow more food.



“The Rainwater Harvesting Study is more than barrels and pipes; it's about building resilience across Baltimore City. The University of Maryland helps us understand the real impact, and the tools we need to sustain going forward. It's a fantastic example of how academic partnerships, driven by community, can bring tangible, positive change right here where we live, work and feed our folks.”

– Farmer Chippy
Plantation Park Heights Urban Farm

“I remember my first visit in 2021 to the Al-Furaa schoolyard as a potential place to open a climate resilience center on land designated for a phosphate mine. Today, with the generous support of the Global FEWture Alliance, the hub is a reality: the first of its kind in a Bedouin community in Israel.”

– Fareed Mahameed
Manager and Founder, Al-Furaa Off-Grid Hub