

smartcities BUSINESS INNOVATION FUND



KEY NUMBERS

- Offered **\$1,000,000** in Total Funding awards, individual projects ranging from **\$100,000- \$200,000**
- Received **72** on-time proposals totaling **\$14,000,000** worth of market demand
- **6** winning proposals funded

The U.S. ASEAN Smart Cities Business Innovation Fund is a climate finance mechanism targeted to sub-national/city stakeholders offering sustainable net-zero/low carbon solutions to address urban challenges. Proposals were received from countries across the ASEAN region, and awardees were selected from Cambodia, Indonesia, Laos, Malaysia, the Philippines, and Vietnam. The Fund provides seed capital grants and mentorship.



CAMBODIA AGROECOLOGY GARDEN FOR THE FUTURE (AG4F)

Establishes community gardens in urban areas to encourage environmental education and stewardship among youth

- Collaborated with the **Faculty of Agricultural Science** (Royal University of Agriculture) and the **Department of School Health** under the Ministry of Education, Youth, and Sport
- Created gardens in **4 public schools**
- Drilled irrigation **tube-wells**, built garden **structures**, sourced **seeds** and **fertilizers**
- Produced **training manuals** to educate high school teachers in agroecology and nutrition



INDONESIA BIOPAC

Aims to reduce single-use plastic pollution by creating packaging materials from seaweed under female leadership

- Registered **5 patents**: Seaweed Capsule, Flexible Packaging, Semi Rigid Packaging, Biodegradable Bioplastic, and Edible Bioplastic
- Secured **3 product certificates**: Halal, Food Safety, and Conformity
- Expanded market reach in Indonesia, in ASEAN, and globally
- Manufactured **sheets**, drawstring **bags**, sachets, pouches, and **tape**



LAOS PATIHOUB

Shreds, cleans, presses, and molds recycled plastic into new products for school and construction materials

- Addresses issues through **value creation**, enhanced **sorting programs**, improved **collection schemes**, and **value-added processing** for impact
- Converts **100% of plastics** into unique, functional, and **affordable** products
- **Empowers** local waste workers through an integrated approach
- Utilizes an **entirely circular process** in creating products



MALAYSIA GREENER WHEELS

Measures carbon footprints of transport fleets, improves corporate economic, social, and governance (ESG) standards

- Four track method includes identifying a **data source**, preparing **assessments**, using **simulations**, and tracking **implementation**
- Seeks to help launch discussions on **carbon taxes and credits** to lower carbon emissions and greenhouse gases (GHGs), and enhance ESG **compliance**
- Advised by Penang Green Council and partnered with the national government, agencies, and the private sector



THE PHILIPPINES KLOUDTECH

Develops 3-D printable climate and hydrologic monitoring systems to address rising sea levels and urban flooding

- Provides **real time data**, disseminates **early local warnings**, and **empowers at risk community**
- Printed and tested **prototypes**
- Participated in the **BPSU Research Invention and Exhibit** in 2022
- Collaborated with **provincial governments** and the **City Disaster Risk Reduction and Management Office**
- **Trained** students and surveyed community members



VIETNAM SOLAR PANEL RECYCLING PROJECT

Seeks to improve recycling of panels and reuse of panel components using green technology solutions

- Product concept consists of **four modules**: reclassifying, disassembling, classifying, and material recycling
- Targeting **ASEAN countries**, in addition to domestic markets
- Seeks collaboration with solar power plants and farms
- Partnered with **Digitech Co., Ltd** and **Danapi Engineering Co., Ltd** in addition to USASCP for technical and financial assistance