



smartcities SUSTAINABLE INNOVATION FUND

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.

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



CAMBODIA

AGROECOLOGY GARDEN FOR THE FUTURE (AG4F)

www.eclosio.org

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
- Co-created gardens in **4 public schools**
- Produced **training manuals** on **Agroecological Gardening and Nutrition and Non-Communicable Diseases (NCDs) Prevention** for teachers and students to help scale agroecology and nutrition education



INDONESIA

BIOPAC

<https://biopac.id>

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, and ASEAN
- Manufactured **sheets**, drawstring **bags**, sachets, pouches, and **tape**



LAOS

PATIHOUB

www.patihoub.com

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

- This woman owned and managed company 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

www.greener-wheels.com

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, partnered with the state government, state agencies, and the private sector



THE PHILIPPINES

KLOUDTECH

<https://kloudtechsea.com>

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

<https://www.5rtech.com.vn>

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

- Product concept consists of **five modules**: reclassification, frame removal, glass removal, crushing, and sorting
- Targeting **ASEAN countries**, in addition to domestic markets
- Seeks collaboration with solar power plants and farms
- Partnered with **DNIIT** and **Danapi Engineering Co., Ltd** in addition to USASCP for technical and financial assistance
- Incubated and granted investment incentives by **Danang Hi-Tech Park**