U.S.-ASEAN Smart Cities Partnership

Promoting sustainable, resilient, and inclusive solutions to advance urban quality of life in Southeast Asian nations

Program Manager: Helen Santiago Fink | <u>SantiagoFinkH@state.gov</u>



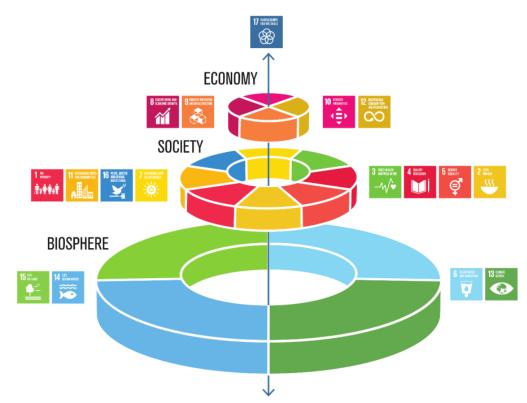
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https://www.usascp.org



Smart Sustainable Cities



Connected/Integrated

Holistic & Equitable

Green/Biophilic

Resource Efficient & Circular

Sustainable & Resilient

Chattanooga Climate Action Plan

Highlighting the value of integrated master planning and development

Chattanooga in 2015 (below)



Chattanooga in 1970 (above)

• Energy Efficiency

- Education and Policy
- Healthy Communities
- Natural Resources





Indo-Pacific ASEAN Trends

- Urbanization
- Climate Change
- Biodiversity Loss
- Dam Construction
- Health Impacts
- Fourth Industrial Revolution

USASCP USASCP Whole of Government Approach

- **\$10+ million portfolio** launched in 2018
- **20+ projects** with U.S. government agencies and implementing partners
- Projects address ASEAN urban challenges to improve quality of life through knowledge sharing, innovative industry practices, technical assistance, pilot projects and peer partnerships across urban sectors
- **Climate Action and Finance:** Provide seed capital and mentoring to catalyze sub-national climate actions through net-zero, innovative solutions for climate mitigation and urban adaptation and community resiliency
- **Green Economic Recovery:** Promote circular economy for increased resource efficiency and reuse to reinforce sustainability and resilience; facilitate professional exchanges for circular waste management
- **Private Sector Engagement:** Support reverse trade missions, technical/trade shows, and conferences with the Department of Commerce



USASCP USASCP U.SASCP U.SASCP





Program Spotlights

Smart Cities Business Innovation Fund 2022 Awardees

Climate finance mechanism supporting sustainable net-zero solutions to urban challenges



Agroecology Garden for the Future Phnom Penh, Cambodia

Establishes urban school gardens and provides ecology education curriculum to promote youth environmental stewardship

Biopac Tangerang, Indonesia

A women-led biodegradable seaweed packaging manufacturer that aims to reduce single-use plastic pollution



Patihoub

Luang Prabang, Laos

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



Greener Wheels Penang, Malaysia

Develops a mobile climate application and 3-D printable hydrologic monitoring/early warning systems for rising sea levels and urban flooding



Kloudtech

Bataan, Philippines

Develops a mobile climate application and 3-D printable hydrologic monitoring/early warning systems for rising sea levels and urban flooding



Solar Panel Recycling Project Da Nang, Vietnam

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

Circular Economy Initiatives

U.S. - Singapore Professional Exchange Program

Rochester Institute of Technology

U.S. - Japan E-Waste Initiative



Focus: Circular Waste Management Study Tour: October 3-14, 2022 Location: Singapore & Washington D.C.





Focus: Circular Economy Entrepreneurship Education and Innovation

Partners: ASEAN Universities, business incubators and accelerators

Period of Performance: 2022-2024



Focus: Promote circular economy principles at sub-national/city scale

- Build local capacities to advance e-waste/electronics repurposing, recycling and recovery in select countries/cities in ASEAN
- Establish multi-sector partnerships and ecosystems

Research & Innovation: National Science Foundation Grants





Integrated Urban Services (IUS)

- Integrated Urban Services Program is helping ASEAN cities build resilience in their energy, water, and food systems
- Jointly implemented by the U.S. Department of State and the U.S. Department of Energy's National Renewable Energy Laboratory, this project aims to promote systems integration and circular economy principles for resource recovery and reuse
- Pilot projects in Cagayan de Oro, Philippines and Iskandar, Malaysia focus on agro-tech/modern urban agriculture

Thank You

Helen Santiago Fink Program Manager SantiagoFinkH@state.gov





