

## Integrated Urban Services (IUS) Pilot Project Profile

### Integrated Urban Agricultural Hub Development

Cagayan de Oro (CdO), Philippines

**Local Partner:** CdO's Agricultural Productivity Operations office

#### Project Snapshot:

- With a population of 728,000, CdO is the capital of Misamis Oriental province and serves as the regional center and business hub of northern Mindanao.
- The city aims to address key challenges (such as food insecurity and lack of access to basic services) by investing in innovative, integrated solutions that can impact a range of systems, locations, and targets and create opportunities for synergistic resource use.
- The IUS team is guiding the CdO Agricultural Productivity Office to transform multiple urban sites into model hubs of innovative, high-productivity, integrative agricultural functions and basic service provision that meet the goals of CdO and surrounding communities.

#### Key IUS-Supported Actions:

- Support planning and development of circular economic investments within a 17-hectare rehabilitated landfill site known as the EcoPark in Barangay Carmen
- Pursue promising agricultural applications and technologies (such as hydroponics, aquaponics, and commercial black soldier fly production) to increase urban and peri-urban agricultural productivity
- Provide capacity-building and stakeholder engagement on modern farming practices and integrated planning
- Review and promote policy and governance models positioned to support greater levels of innovation
- Develop a conceptual design and business plan for urban agriculture hub activities, with an aim toward attracting bids for finance, investors, and technology partners
- Develop a case study and disseminate outcomes throughout the Association of Southeast Asian Nations region.



Master plan of the 17-hectare EcoPark.

Image courtesy of City Local Environment and Natural Resources Office.



IUS project team touring the EcoPark

Photo courtesy of Cagayan de Oro Agricultural Productivity Operations Office.



Example of hydroponic crop production

Image from Pexels/Pragyan Bezaruah.



IUS project team at an urban farm in CdO

Image courtesy of Cagayan de Oro Agricultural Productivity Operations Office.

**About IUS:** Integrated Urban Services (IUS) is a U.S. State Department program launched in 2021 under the United States–Association of Southeast Asian Nations Smart Cities Partnership helping cities build resilience in their energy, food, and water provisioning systems. The program is jointly implemented by the U.S. National Renewable Energy Laboratory with support provided by Regenerative Impact Ventures.

**More Information:** [www.nrel.gov/international/integrated-urban-services.html](http://www.nrel.gov/international/integrated-urban-services.html)

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