About CCED
For over 40 years, the MSU Center for Community and Economic Development (CCED) has designed, implemented, and evaluated innovative community-based solutions to local problems through responsive engagement, strategic partnerships, and collaborative learning. This innovative approach served as the national model for university-community partnerships established by the Community Outreach Partnership Act. Over 150 university-community partnerships were created through this federal program.

The Center for Community and Economic Development is an academic unit housed in the MSU Office of University Outreach and Engagement.

Building Prosperity through Innovative Development
The CCED, in partnership with on and off campus partners, seeks to:
• Create and nurture collaborative environments to support innovative learning in community and economic development;
• Provide training and direct assistance to increase the knowledge-based skills of community-based organizations, private enterprises, and public institutions;
• Conduct and facilitate cutting-edge research to assist the development and implementation of effective problem-solving strategies;
• Deploy multidisciplinary university capacity to respond to the complex and interrelated problems of distressed communities; and
• Promote and expand the university’s capacity to provide training, direct assistance, and research that effectively addresses critical community challenges.

With its Lansing office on Michigan Avenue, CCED has renewed and deepened its commitment to innovative community development. Located approximately midway between the State Capitol and the MSU East Lansing campus, the East Michigan Avenue location symbolizes a bold university-community nexus borne of award-winning performance in the past and strategic imperatives designed for the sustainable prosperity of Michigan communities in the future.

Mission
The Center for Community and Economic Development creates, applies, and disseminates valued knowledge through responsive engagement, strategic partnerships, and collaborative learning. We are dedicated to empowering communities to create sustainable prosperity and an equitable global knowledge economy.

Principles of Community Development
The CCED adheres to a set of guiding community development principles that:
• Promote active and representative citizen participation
• Engage community members in issue identification
• Help community members understand economic, social, political, environmental, and psychological effects
• Build upon community assets and emphasize shared leadership
• Seek alternatives to any efforts that are likely to have adverse impacts
• Increase leadership capacity, skills, confidence, and aspirations in the community development process

Community Development Problem-Solving

![Diagram of the Community Development Problem-Solving process]

- **Identify Problem**
- **Identify Stakeholders**
- **Identify Strategies**
- **Identify Resources**
- **Implement**
- **Evaluate**
- **Discuss**
- **Modify Intervention**
- **Disseminate/Replicate**
University Center for Regional Economic Innovation

In October 2011, the MSU Center for Community and Economic Development (CCED) was designated as a U.S. Department of Commerce, Economic Development Administration University Center.

Since its establishment, REI has built a virtual network of community and economic development stakeholders including economic development practitioners; higher education institutions; public and private sector leaders; workforce development boards; community action agencies; public utilities; commercial lenders; and EDA Economic Development Districts. This network assists in producing innovative economic development strategies to create high growth entrepreneurship and jobs in distressed regions of Michigan.

These strategies come to fruition in three project types: Co-Learning plans, Student-Led, Faculty-Guided Technical Assistance and Innovation Fellows.

Each year, REI hosts an Innovate! Michigan Summit highlighting tools, models, policies and programs that can create a sustainable entrepreneurship and high-quality of life through research and innovative strategies. We achieve this mission in the following ways:

**MSU and Community partnership**

- CCED helps bring science and community wisdom to bear on critical community defined issues. Currently these partnerships include:
  - The creation of an equitable and sustainable regional food system
  - Responding to water crisis and historical trauma
  - Long term health of Flint children coping with lead poisoning

**Aquaponics**

The combination of Aquaculture (Fish Farming) and Hydroponics (Water Gardening), this initiative includes:

- A learning center to teach aquaponics technical competencies and entrepreneurial skill competencies.
- The development of an Aqua-house – the repurposing of an abandoned neighborhood house into a semi-sub terrain aquaponics greenhouse.

**Neighborhoods Without Borders**

Working to dismantle systemic and institutional racism—understanding white power, privilege and African American history in Flint—CCED-Flint supports training and technical assistance to help build a more equitable and just multicultural community.

For more information visit: reicenter.org

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CCED Flint

MSU established its presence in Flint in 1994. CCED-Flint is dedicated to working alongside Michigan Communities to improve the quality of life through research and innovative strategies. We achieve this mission in the following ways:

**MSU and Community partnership**

- CCED helps bring science and community wisdom to bear on critical community defined issues. Currently these partnerships include:
  - The creation of an equitable and sustainable regional food system
  - Responding to water crisis and historical trauma
  - Long term health of Flint children coping with lead poisoning

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For more information visit: ced.msu.edu/programs/cced-flint

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Projects in Brief

**Domicology**

Domicology, is a new conception of the built environment and the life cycle of structures. The field of Domicology seeks to reimagine the built environment such that we recognize that structures have a useful life cycle and at the end of a structure’s life we maximize the equitable use, reuse, or recycling of the materials. Domicology seeks to identify sustainable innovative tools, models, policies, practices and programs to eliminate abandonment; develop human resource training models for the industry; and research present technical, economic and policy challenges in structural abandonment while seeking to reduce the negative social, economic and environmental impacts.

For more information visit: domicology.msu.edu

**Mid-Michigan Particle Accelerator Cluster Study (MMPAC)**

CCED partnered with Lansing Economic Area Partnership (LEAP), funded by the U.S. Department of Commerce Economic Development Administration (EDA), to research and develop strategies that enhance the particle acceleration industry cluster and talent streams for future economic development efforts in mid-Michigan.

Since being introduced at MSU in 1963, the National Superconducting Cyclotron Laboratory (NSCL) has advanced MSU’s place as a leader in physics research; the MSU nuclear physics graduate program has been ranked #1 nationally since 2010. In 2008, the US Department of Energy’s Office of Science (DOE-SC) selected MSU for a $730M investment to build an expanded Facility for Rare Isotope Beams (FRIB) at the site of the NSCL. This scientific user facility will enable scientists to make discoveries about the properties of rare isotopes (that is, short-lived nuclei not normally found on Earth), nuclear astrophysics, fundamental interactions, and applications for society, including in medicine, homeland security, and industry.

The MMPAC study provides an in-depth analysis and develops strategic guidance to local private sector leaders, economic development professionals, community planners, educators and other key stakeholders in the region on actions that are likely to increase the region’s job creation, retention, and enhance opportunities for economic development related to advanced nuclear physics.

To view a comprehensive list of our projects and publications, please visit ced.msu.edu